

2013

Reclaimed Water or Effluent Analysis Report
(EAR)

North ORB Final #2

North County Water Reclamation Facility
10500 Goodlette Rd.
Naples, FL

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 North Collier County Water Reclamation Facility
Address 10500 Goodlette - Frank Road
City Naples, Florida Zip 34109
Telephone Number (239) 252-5355
- (2) Owner or Authorized Representative
Name Jon Pratt
Title Plant Manager
Address 3301 East Tamiami Trail, Building H.
City Naples State Florida Zip 34112
Telephone (239) 252-5355
- (3) Method of Discharge Slow Rate Irrigation
- (4) Report Period: 01/01/13 To 03/31/13
(Beginning Date) (End Date)

- (5) Name of Laboratory conducting the analysis: Pace Analytical Services (NELAP #E83079)
 Address 8 East Tower Cr.
 City Ormond Beach State Florida Zip 32174-8759
 Telephone Number (386) 672-5668
- (6) The facilities DER identification number (also known as the GMS identification number) FL0141399
- (7) DER test site identification number (for the sampling location) EFA-2 Orbal Final #2
- (8) Description of the monitoring point 24 hour composite – Orbal Final Effluent #2
- (9) Date on which the sample was taken (MM/DD/YR) 01/30/13
 Time of day at which the sample was taken: 08:26 a.m. p.m.
- (10) Date of extraction for the organic chemical analysis performed in Part VI MM/DD/YY: 02/07/13 and 02/11/13

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	<0.00050 U	0.01	EPA 200.8	02/04/13	
Barium	90020	0.0053 I	2.0	EPA 200.7	02/02/13	
Cadmium	900210	<0.00050 U	0.005	EPA 200.7	02/02/13	
Chromium	900211	<0.0025 U	0.1	EPA 200.7	02/02/13	
Fluoride	000951	0.63	2.0	EPA 300.0	01/31/13	
Lead	900212	<0.00050 U	0.015	EPA 200.8	02/04/13	
Mercury	900213	<0.00010 U	0.002	EPA 245.1	02/05/13	
Nitrate (as N)	071850	17.5	10	EPA 300.0	01/31/13	* (7.5 mg/l)
Selenium	900214	<0.00050 U	0.05	EPA 200.8	02/04/13	
Silver	900215	<0.0025 U	0.1	EPA 200.7	02/02/13	
Sodium	000929	165	160	EPA 200.7	02/02/13	* (5 mg/l)

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

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	0.02	EPA 504.1	02/06/13	
p-dichlorobenzene		<0.25 U	75	EPA 524.2	02/01/13	
Vinyl chloride	039175	<0.25 U	1	EPA 524.2	02/01/13	
1,1-dichloroethylene		<0.25 U	7	EPA 524.2	02/01/13	
1,2-dichloroethane	034531	<0.25 U	3	EPA 524.2	02/01/13	

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	02/01/13	
Carbon tetrachloride	032102	<0.25 U	3	EPA 524.2	02/01/13	
Trichloroethylene	-	<0.25 U	3	EPA 524.2	02/01/13	
Tetrachloroethylene	-	<0.25 U	3	EPA 524.2	02/01/13	
Benzene	034030	<0.25 U	1	EPA 524.2	02/01/13	

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	144	80	EPA 524.2	02/01/13	* (64 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	<0.0020 U	2	EPA 508.1	02/12/13	
Lindane	039762	<0.0030 U	0.2	EPA 508.1	02/12/13	
Methoxychlor	039480	<0.014 U	40	EPA 508.1	02/12/13	
Toxaphene	039400	<0.61 U	3	EPA 508.1	02/12/13	
2,4-D	039780	<0.081 U	70	EPA 515.3	02/09/13	
2,4,5-TP (Silvex)	039760	<0.16 U	50	EPA 515.3	02/09/13	

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	2.35 U +/- 1.28	15	EPA 900.0m	02/06/13	
Radium-226 228	011503	0.661 U +/- 0.411 0.927 U +/- 0.460	5 (combined)	EPA 903.1 EPA 904.0	02/12/13 02/11/13	

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	88.7	250	EPA 300.0	02/05/13	
Copper	900218	0.0022	1	EPA 200.8	02/04/13	
Iron	900219	0.057	0.3	EPA 200.7	02/02/13	
Manganese	900220	0.0026 I	0.05	EPA 200.7	02/02/13	

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	50.8	250	EPA 300.0	01/31/13	
Zinc	900221	0.061	5	EPA 200.7	02/02/13	
pH (units)	000403	7.3 Q	6.5-8.5	EPA 150.1	02/01/13	
TDS	070300	600	500	SM 2540C	02/06/13	* (100 mg/l)
Foaming Agents-MBAS	900217	0.18 I	0.5	SM 5540C	01/31/13	

Q-sample held beyond acceptable hold time; I-Analyte detected below quantitation limits

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.

04/22/13
Date

(239) 252-5355
Phone
Number

Signature of Lead Operator

Jon Pratt A0007928
Name (please type) Certification

Public Utilities Division / Wastewater
Address

3301 East Tamiami Trail, Bldg H

Naples, Fl 34112

2013

Reclaimed Water or Effluent Analysis Report
(EAR)

North MLE Final #3

North County Water Reclamation Facility
10500 Goodlette Rd.
Naples, FL

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 North Collier County Water Reclamation Facility
Address 10500 Goodlette - Frank Road
City Naples, Florida Zip 34109
Telephone Number (239) 252-5355
- (2) Owner or Authorized Representative
Name Jon Pratt
Title Plant Manager
Address 10500 Goodlette - Frank Road
City Naples State Florida Zip 34109
Telephone (239) 252-5355
- (3) Method of Discharge Slow Rate Irrigation
- (4) Report Period: 01/01/13 To 03/31/13
(Beginning Date) (End Date)

- (5) Name of Laboratory conducting the analysis: Pace Analytical Services (NELAP #E83079)
 Address 8 East Tower Cr.
 City Ormond Beach State Florida Zip 32174-8759
 Telephone Number (386) 672-5668
- (6) The facilities DER identification number (also known as the GMS identification number) FL0141399
- (7) DER test site identification number (for the sampling location) EFA-03 MLE Final #3
- (8) Description of the monitoring point 24 hour composite – MLE Final Effluent #3
- (9) Date on which the sample was taken (MM/DD/YR) 02/06/13
 Time of day at which the sample was taken: 8:31 a.m. p.m.
- (10) Date of extraction for the organic chemical analysis performed in Part VI MM/DD/YY: 02/09/13 and 02/14/13

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	<0.00050 U	0.01	EPA 200.8	02/11/13	
Barium	90020	0.0055 I	2.0	EPA 200.7	02/12/13	
Cadmium	900210	<0.00050 U	0.005	EPA 200.7	02/12/13	
Chromium	900211	<0.0025 U	0.1	EPA 200.7	02/12/13	
Fluoride	000951	0.64	2.0	EPA 300.0	02/07/13	
Lead	900212	<0.00050 U	0.015	EPA 200.8	02/11/13	
Mercury	900213	<0.00010 U	0.002	EPA 245.1	02/11/13	
Nitrate (as N)	071850	8.7	10	EPA 300.0	02/07/13	
Selenium	900214	<0.00050 U	0.05	EPA 200.8	02/11/13	
Silver	900215	<0.0025 U	0.1	EPA 200.7	02/12/13	
Sodium	000929	159	160	EPA 200.7	02/12/13	

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

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	<0.0069 U	0.02	EPA 504.1	02/08/13	
p-dichlorobenzene		<0.25 U	75	EPA 524.2	02/13/13	
Vinyl chloride	039175	<0.25 U	1	EPA 524.2	02/13/13	
1,1-dichloroethylene		<0.25 U	7	EPA 524.2	02/13/13	
1,2-dichloroethane	034531	<0.25 U	3	EPA 524.2	02/13/13	

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
I,1,1-trichloroethane	034508	<0.25 U	200	EPA 524.2	02/13/13	
Carbon tetrachloride	032102	0.37 I	3	EPA 524.2	02/13/13	
Trichloroethylene	-	<0.25 U	3	EPA 524.2	02/13/13	
Tetrachloroethylene	-	<0.25 U	3	EPA 524.2	02/13/13	
Benzene	034030	<0.25 U	1	EPA 524.2	02/13/13	

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

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	120	80	EPA 524.2	02/13/13	*(40 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	<0.0020 U	2	EPA 508.1	02/15/13	
Lindane	039762	<0.0030 U	0.2	EPA 508.1	02/15/13	
Methoxychlor	039480	<0.014 U	40	EPA 508.1	02/15/13	
Toxaphene	039400	<0.61 U	3	EPA 508.1	02/15/13	
2,4-D	039780	<0.081 U	70	EPA 515.3	02/13/13	
2,4,5-TP (Silvex)	039760	<0.16 U	50	EPA 515.3	02/13/13	

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	2.12 +/- 1.31	15	EPA 900.0m	02/14/13	
Radium-226 228	011503	<0.668 U +/- 0.415 <0.845 U +/- 0.400	5 (combined)	EPA 903.1 EPA 904.0	02/18/13 02/18/13	

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	187	250	EPA 300.0	02/11/13	
Copper	900218	0.0022	1	EPA 200.8	02/11/13	
Iron	900219	0.053	0.3	EPA 200.7	02/12/13	
Manganese	900220	0.010	0.05	EPA 200.7	02/12/13	

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	46.9	250	EPA 300.0	02/07/13	
Zinc	900221	0.056	5	EPA 200.7	02/12/13	
pH (units)	000403	7.6 Q	6.5-8.5	SM 4500 H B	02/08/13	
TDS	070300	589 *	500	SM 2540C	02/13/13	* (89 mg/L)
Foaming Agents-MBAS	900217	0.18 I	0.5	SM 5540C	02/07/13	

I-Analyst detected below quantitation limits; Q-sample held beyond acceptable holding time

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.

04/24/13
Date

(239) 252-5355
Phone
Number

Signature of Lead Operator

Jon Pratt A0007928
Name (please type) Certification

North Collier County Water Reclamation Facility
Address

10500 Goodlette -Frank Road

Naples, Fl 34109

2013

Reclaimed Water or Effluent Analysis Report
(EAR)

North MLE Final #4

North County Water Reclamation Facility
10500 Goodlette Rd.
Naples, FL

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 North Collier County Water Reclamation Facility
Address 10500 Goodlette - Frank Road
City Naples, Florida Zip 34109
Telephone Number (239) 252-5355
- (2) Owner or Authorized Representative
Name Jon Pratt
Title Plant Manager
Address 10500 Goodlette - Frank Road
City Naples State Florida Zip 34109
Telephone (239) 252-5355
- (3) Method of Discharge Slow Rate Irrigation
- (4) Report Period: 01/01/13 To 03/31/13
(Beginning Date) (End Date)

- (5) Name of Laboratory conducting the analysis: Pace Analytical Services (NELAP #E83079)
 Address 8 East Tower Cr.
 City Ormond Beach State Florida Zip 32174-8759
 Telephone Number (386) 672-5668
- (6) The facilities DER identification number (also known as the GMS identification number) FL0141399
- (7) DER test site identification number (for the sampling location) EFA-04 MLE Final
- (8) Description of the monitoring point 24 hour composite – MLE Final Effluent #4
- (9) Date on which the sample was taken (MM/DD/YR) 02/06/13
 Time of day at which the sample was taken: 8:35 a.m. p.m.
- (10) Date of extraction for the organic chemical analysis performed in Part VI MM/DD/YY: 02/09/13 and 02/14/13

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	<0.00050 U	0.01	EPA 200.8	02/11/13	
Barium	90020	<0.0050 I	2.0	EPA 200.7	02/09/13	
Cadmium	900210	<0.00050 U	0.005	EPA 200.7	02/09/13	
Chromium	900211	<0.0025 U	0.1	EPA 200.7	02/09/13	
Fluoride	000951	0.65	2.0	EPA 300.0	02/07/13	
Lead	900212	<0.00050 U	0.015	EPA 200.8	02/11/13	
Mercury	900213	<0.00010 U	0.002	EPA 245.1	02/11/13	
Nitrate (as N)	071850	8.9	10	EPA 300.0	02/07/13	
Selenium	900214	<0.00050 U	0.05	EPA 200.8	02/11/13	
Silver	900215	<0.0025 U	0.1	EPA 200.7	02/09/13	
Sodium	000929	157	160	EPA 200.7	02/09/13	

U-Not detected above the MDL; I-result between MDL and PQL

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	<0.0066 U	0.02	EPA 504.1	02/08/13	
p-dichlorobenzene		<0.25 U, Q	75	EPA 524.2	02/13/13	
Vinyl chloride	039175	<0.25 U, Q	1	EPA 524.2	02/13/13	
1,1-dichloroethylene		<0.25 U, Q	7	EPA 524.2	02/13/13	
1,2-dichloroethane	034531	<0.25 U, Q	3	EPA 524.2	02/13/13	

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, Q	200	EPA 524.2	02/13/13	
Carbon tetrachloride	032102	<0.25 U, Q	3	EPA 524.2	02/13/13	
Trichloroethylene	-	<0.25 U, Q	3	EPA 524.2	02/13/13	
Tetrachloroethylene	-	<0.25 U, Q	3	EPA 524.2	02/13/13	
Benzene	034030	<0.25 U, Q	1	EPA 524.2	02/13/13	

U-Not detected above the MDL; Q-sample held beyond acceptable holding time

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	108	80	EPA 524.2	02/13/13	* (28 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	<0.0020 U	2	EPA 508.1	02/15/13	
Lindane	039762	<0.0030 U	0.2	EPA 508.1	02/15/13	
Methoxychlor	039480	<0.014 U	40	EPA 508.1	02/15/13	
Toxaphene	039400	<0.60 U	3	EPA 508.1	02/15/13	
2,4-D	039780	<0.081 U	70	EPA 515.3	02/13/13	
2,4,5-TP (Silvex)	039760	<0.16 U	50	EPA 515.3	02/13/13	

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	<1.80 U +/- 1.02	15	EPA 900.0m	02/14/13	
Radium-226 228	011503	<0.676 U +/- 0.332 <0.732 U +/- 0.342	5 (combined)	EPA 903.1 EPA 904.0	02/18/13 02/18/13	

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	187	250	EPA 300.0	02/11/13	
Copper	900218	0.0022	1	EPA 200.8	02/11/13	
Iron	900219	0.056	0.3	EPA 200.7	02/09/13	
Manganese	900220	0.010	0.05	EPA 200.7	02/09/13	

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	47.9	250	EPA 300.0	02/07/13	
Zinc	900221	0.060	5	EPA 200.7	02/09/13	
pH (units)	000403	7.3 Q	6.5-8.5	SM 4500-H+B	02/08/13	
TDS	070300	592	500	SM 2540C	02/13/13	* (92 mg/L)
Foaming Agents-MBAS	900217	0.28	0.5	SM 5540C	02/07/13	

I-Analyst detected below quantitation limits; Q-sample held beyond acceptable holding time

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.

04/24/13
Date

(239) 252-5355
Phone
Number

Signature of Lead Operator

Jon Pratt A0007928
Name (please type) Certification

North Collier County Water Reclamation Facility
Address

10500 Goodlette -Frank Road

Naples, Fl 34109

2013

Reclaimed Water or Effluent Analysis Report
(EAR)

North MLE Final #5

North County Water Reclamation Facility
10500 Goodlette Rd.
Naples, FL

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 North Collier County Water Reclamation Facility
Address 10500 Goodlette - Frank Road
City Naples, Florida Zip 34109
Telephone Number (239) 252-5355
- (2) Owner or Authorized Representative
Name Jon Pratt
Title Plant Manager
Address 10500 Goodlette - Frank Road
City Naples State Florida Zip 34109
Telephone (239) 252-5355
- (3) Method of Discharge Slow Rate Irrigation
- (4) Report Period: 04/01/13 To 06/30/13
(Beginning Date) (End Date)

- (5) Name of Laboratory conducting the analysis: Pace Analytical Services (NELAP #E83079)
 Address 8 East Tower Cr.
 City Ormond Beach State Florida Zip 32174-8759
 Telephone Number (386) 672-5668
- (6) The facilities DER identification number (also known as the GMS identification number) FL0141399
- (7) DER test site identification number (for the sampling location) EFA-05 MLE Final
- (8) Description of the monitoring point 24 hour composite – MLE Final Effluent #5
- (9) Date on which the sample was taken (MM/DD/YR) 04/03/13
 Time of day at which the sample was taken: 8:15 a.m. p.m.
- (10) Date of extraction for the organic chemical analysis performed in Part VI MM/DD/YY: 4/10/13-4/12/13

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	<0.00050 U	0.01	EPA 200.8	04/10/13	
Barium	90020	0.0061 I	2.0	EPA 200.7	04/10/13	
Cadmium	900210	<0.00050 U	0.005	EPA 200.7	04/10/13	
Chromium	900211	<0.0025 U	0.1	EPA 200.7	04/10/13	
Fluoride	000951	0.71	2.0	EPA 300.0	04/04/13	
Lead	900212	<0.00050 U	0.015	EPA 200.8	04/10/13	
Mercury	900213	<0.00010 U	0.002	EPA 245.1	04/08/13	
Nitrate (as N)	071850	7.1	10	EPA 300.0	04/04/13	
Selenium	900214	<0.00050 U	0.05	EPA 200.8	04/10/13	
Silver	900215	<0.0025 U	0.1	EPA 200.7	04/10/13	
Sodium	000929	159	160	EPA 200.7	04/10/13	

U-Not detected above the MDL, I-Reported value is between MDL and PQL

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	<0.0065 U	0.02	EPA 504.1	04/09/13	
p-dichlorobenzene		<0.25 U	75	EPA 524.2	04/10/13	
Vinyl chloride	039175	<0.25 U	1	EPA 524.2	04/10/13	
1,1-dichloroethylene		<0.25 U	7	EPA 524.2	04/10/13	
1,2-dichloroethane	034531	<0.25 U	3	EPA 524.2	04/10/13	

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	04/10/13	
Carbon tetrachloride	032102	<0.25 U	3	EPA 524.2	04/10/13	
Trichloroethylene	-	<0.25 U	3	EPA 524.2	04/10/13	
Tetrachloroethylene	-	<0.25 U	3	EPA 524.2	04/10/13	
Benzene	034030	<0.25 U	1	EPA 524.2	04/10/13	

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	128	80	EPA 524.2	04/10/13	* (48 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	04/16/13	
Lindane	039762	<0.0031 U	0.2	EPA 508.1	04/16/13	
Methoxychlor	039480	<0.015 U	40	EPA 508.1	04/16/13	
Toxaphene	039400	<0.64 U	3	EPA 508.1	04/16/13	
2,4-D	039780	<0.081 U	70	EPA 515.3	04/16/13	
2,4,5-TP (Silvex)	039760	<0.16 U	50	EPA 515.3	04/16/13	

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	<2.84 U +/- 1.28	15	EPA 900.0m	04/11/13	
Radium-226 228	011503	<0.880 U +/- 0.482 <0.854 U +/- 0.376	5 (combined)	EPA 903.1 EPA 904.0	04/15/13 04/15/13	

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	197	250	EPA 300.0	04/10/13	
Copper	900218	0.0020	1	EPA 200.8	04/10/13	
Iron	900219	0.055	0.3	EPA 200.7	04/13/13	
Manganese	900220	0.011	0.05	EPA 200.7	04/10/13	

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	45.3	250	EPA 300.0	04/04/13	
Zinc	900221	0.047	5	EPA 200.7	04/10/13	
pH (units)	000403	7.4 Q	6.5-8.5	SM4500-H+B	04/04/13	
TDS	070300	585	500	SM 2540C	04/10/13	* (85 mg/L)
Foaming Agents-MBAS	900217	0.10 I	0.5	SM 5540C	04/04/13	

I-Reported value is between the laboratory MDL and PQL; Q-sample held beyond acceptable holding time

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.

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Date

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