



Greater
Pine Island
Water Association, Inc.

August 9, 2022

Mr. Ian Lyngse
Environmental Engineering
Lee County Public Health Unit
Fort Myers, FL 33907

Re: Lead and Copper Sampling

Dear Mr. Lyngse,

Enclosed please find the analysis report of our recent lead and copper sampling program along with various supporting documents.

Should you have any questions, please feel free to call me. Thank you.

Sincerely,

Mikes Maillakakis
General Manager

ms
Enclosures



PWS SAMPLING PLAN FOR LEAD AND COPPER TAP SAMPLES AND WATER QUALITY PARAMETERS

See page 6 for instructions.

I. General Information			
Public Water System (PWS) Name: GREATER PINE ISLAND WATER ASSOCIATION, INC			
PWS Identification Number: 5360322		PWS Type: <input checked="" type="checkbox"/> Community <input type="checkbox"/> Non-Transient Non-Community	
PWS Size: <input type="checkbox"/> Small <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Large	Total Population Served:		
Population Interval:* <input type="checkbox"/> A <input type="checkbox"/> B <input checked="" type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G			
PWS Owner: GREATER PINE ISLAND WATER ASSOCIATION, INC			
Contact Person: MIKES MAILLAKAKIS		Contact Person's Title: GENERAL MANAGER	
Contact Person's Mailing Address: 5281 PINE ISLAND ROAD			
City: BOKEELIA		State: FL	Zip Code: 33922
Contact Person's Telephone Number: 239-283-1071		Contact Person's Fax Number: 239-283-7792	
Contact Person's E-Mail Address: mikesm@pineislandwater.com			

* The minimum number of tap sample sites for lead and copper (LC) and water quality parameter (WQP) distribution system sample sites is based on a system's population interval, which is selected from the table below. For the purposes of this form, the population served is the sum of the number of permanent residents and the number of additional non-transient persons to whom the system is available, such as school children, office and commercial employees, and seasonal residents.

Total Population Served	Population Interval	LC Sites	WQP Sites
greater than 100,000	A	100	25
50,001 to 100,000	B	60	10
10,001 to 50,000	C	60	10
3,301 to 10,000	D	40	3
501 to 3,300	E	20	2
101 to 500	F	10	1
less than 101	G	5	1

II. Records Review

Locate and review existing plans, drawings, and reports of the water system and also those kept by county or municipal building departments or code enforcement offices to identify available sampling sites and the total number of lead service lines in the distribution system.

A. Identification of Interior Plumbing Material Types

Identify single-family and multiple-family residences and buildings that have interior plumbing containing lead pipe, copper pipe with lead solder installed after December 31, 1982, or copper pipe with lead solder installed before January 1, 1983; and identify structures with brass faucets and those with point-of-entry or point-of-use devices.

Required sources of review (check after review):

- ☐ Plumbing or building codes.
- ☐ Plumbing or building permits.
- ☐ Contacts within the building department, municipal clerk's office, or State regulatory agencies for historical documentation of the service area development.
- ☐ Review of drinking water sampling results, such as those from lead testing in schools.

Optional sources of review (check those utilized):

- ☐ Interviews with building inspectors.
- ☒ Survey of service area plumbers about when and where lead solder was used from 1983 to the present.
- ☒ Survey of residents in the sections of the service area where lead pipe and/or copper pipe with lead solder is suspected to exist.
- ☒ Interview of local contractors and developers.

PWS SAMPLING PLAN FOR LEAD AND COPPER TAP SAMPLES AND WATER QUALITY PARAMETERS

PWS Identification Number: _____

B. Identification of Lead Service Lines and Components with Lead Content

Identify the number and location of lead service lines and identify the location of water distribution system components that contain lead.

Required sources of review (check after review):

- ☒ Distribution system maps and record drawings.
- ☒ Information collected on the presence of lead and copper as required under 40 CFR 141.42, Special Monitoring for Corrosivity Characteristics.
- ☒ Capital improvement plans or master plans for distribution system development.
- ☒ Current and historical standard operating procedures or operation and maintenance manuals for the type of materials used to install service connections.
- ☒ Utility records, including meter installation records, customer complaint investigations, and other historical documents, that indicate or confirm the location of lead service connections.
- ☒ Drinking water sampling results that indicate that a structure is susceptible to lead in drinking water.

Optional sources of review (check those utilized):

- ☒ Interviews with utility employees familiar with past construction practices.
- ☒ Service line sampling where lead service lines are suspected to exist but their presence is not otherwise confirmed.
- ☒ Review of permit files.
- ☒ A community survey.
- ☒ Interview of local pipe suppliers, contractors, and developers.

III. Materials Survey

Fill out the following Materials Survey Summary Table to summarize the results of the records review performed under Part II of this form to identify a sampling pool of lead and copper tap sampling sites.

Materials Survey Summary		Type of Structure Being Served		
		SFRs	MFRs	BLDGs
		Number of Service Connections		
A. Interior Plumbing Material Sites				
Lead Pipe		0	0	0
Copper Pipe With Lead Solder Installed After 1982		67	0	0
Copper Pipe With Lead Solder Installed Before 1983		0	0	0
Brass Faucets		83	0	0
Point-of-Use or Point-of-Entry Treatment Devices		0	0	0
Lead-Lined Water Coolers		0	0	0
Other Lead Plumbing Components		0	0	0
B. Lead Service Line Sites				
Total Initial Number of Lines that Are Entirely Lead and Subject to Replacement		0	0	0
Partial Lead Lines	Goosenecks	0	0	0
	Pigtails	0	0	0
C. Lead Distribution System Component Sites				
Service Connections Within 100 feet of Distribution System Components Containing Lead		0	0	0
D. Total No. of Service Connections to Available Sampling Sites		83	0	0
E. Total Number of Service Connections in Distribution System		7194	0	0

PWS SAMPLING PLAN FOR LEAD AND COPPER TAP SAMPLES AND WATER QUALITY PARAMETERS

PWS Identification Number: _____

VI. Certification

A. Site Selection Criteria

Whenever possible, lead and copper tap sample plans must include tier 1 sites exclusively. Explain the selection of other than tier 1 sites; and if sites were changed from one monitoring period to another, explain why the sites were changed (attach additional pages if necessary).

N/A

B. Lead Service Line Sites

When lead service line sites are identified, they must comprise at least 50 percent of the selected samples. Explain why the percentage of lead service line sites is not at least 50 percent of the required number of sampling sites (attach additional pages if necessary).

N/A

C. Water Quality Parameter Sampling Plan

If any WQP distribution system sampling sites are not also microbiological sampling sites, explain how the selected WQP distribution system sampling sites represent water quality throughout the distribution system based on the distribution of population, the different sources of water and treatment methods, and an even distribution of sampling throughout the six-month sampling period (attach additional sheets as necessary).

N/A

I am duly authorized to sign this form on behalf of the PWS identified in Part I of this form. I certify that the information provided on this form is true and accurate to the best of my knowledge and belief. I certify that the information listed and checked in Part II of this form was used to perform the materials survey in order to identify the total number of lead service lines in the PWS and to establish the sampling pool and sampling plans. I also certify that the number of lead service lines reported in Part III of this form is the total known number of lead service lines in the PWS and that the selected sampling sites in Part IV of this form are the highest risk sites available.



Signature and Date

Mikes Maillakakis

Printed or Typed Name

General Manager

Title

Lead and Copper Tap Sample Analysis and Result Ranking

Reporting Format 62-550.730(4)(a)

System Name: Greater Pine Island Water Association

Date Submitted to Lab: 07/21/22

PWS-ID:

Analysis Date: 07/20/22

Laboratory Name: Pace Analytical

Lab Analysis method: EPA 200.8

Lab-ID: E83079

Lead or Copper (list one): Lead

Laboratory Contact Person:

Method Detection Limit: 0.00022 mg/L

Phone:

90th Percentile Value: 0.00023

A	RANK	ID NO.	LOCATION	TIER	LAB SAMPLE ID	DATE SITE SAMPLED	LEAD (mg/L)	COPPER (mg/L)
	1	1	2344 Banana St		2207792- 001	07/20/22	U 0.00022	
	2	2	11795 Island Ave		2207792- 002	07/20/22	U 0.00022	
	3	3	12192 Moon Shell Dr		2207792- 003	07/20/22	U 0.00022	
	4	4	12199 Star Shell Dr		2207792- 004	07/20/22	U 0.00022	
	5	5	11891 Prince Charles Ct		2207792- 005	07/20/22	U 0.00022	
	6	7	5367 Ann Arbor Dr		2207792- 006	07/20/22	U 0.00022	
	7	10	10640 Habitat Trl		2207792- 009	07/20/22	U 0.00022	
	8	34	5253 Ridge Rd		2207792- 010	07/20/22	U 0.00022	
	9	11	5638 Judith Rd		2207792- 011	07/20/22	U 0.00022	
	10	12	16170 Antigua Way		2207792- 012	07/20/22	U 0.00022	
	11	13	2405 Sapodilla Ln		2207792- 013	07/20/22	U 0.00022	
	12	14	12765 Cristy Way		2207792- 014	07/20/22	U 0.00022	
	13	16	5452 Bird Song Ln		2207792- 016	07/20/22	U 0.00022	
	14	18	4467 Laxe Heather Cir		2207792- 018	07/20/22	U 0.00022	
	15	19	5372 Birdsong Ln		2207792- 019	07/20/22	U 0.00022	
	16	20	4181 Pine Tree Blvd		2207792- 020	07/20/22	U 0.00022	
	17	21	7813 Grande Pine Rd		2207792- 021	07/20/22	U 0.00022	
	18	22	12699 Tiffany Rd		2207792- 022	07/20/22	U 0.00022	
	19	23	14139 Clubhouse Dr		2207792- 023	07/20/22	U 0.00022	
	20	24	2881 Barranchs Ave		2207792- 024	07/20/22	U 0.00022	

CERTIFICATION. The tap samples used for lead and copper analyses were submitted by the above PWS. Each sample container had one liter of solution (± 100 mL). All samples were taken properly by the above system and analyzed in accordance with the requirements in subsection 62-550.550(1), F.A.C. The sampling dates were reported for each sample received. I hereby certify that all data submitted are correct.

SIGNATURE OF AUTHORIZED LABORATORY REPRESENTATIVE: TMB

NAME (Please Print): Tami Bright

TITLE and DATE: Office Manager 8/26/22

Reporting Format 62-550.730(4)(a)

Date Submitted to Lab: 07/21/22

Analysis Date: 07/20/22

Lab Analysis method: EPA 200.8

Lead or Copper (list one): Lead

Method Detection Limit: 0.00022 mg/L

90th Percentile Value: 0.00023

[illegible]

CERTIFICATION. The tap samples used for lead and copper analyses were submitted by the above PWS. Each sample container had one liter of solution (± 100 mL). All samples were taken properly by the above system and analyzed in accordance with the requirements in subsection 62-550.550(1), F.A.C. The sampling dates were reported for each sample received. I hereby certify that all data submitted are correct.

SIGNATURE OF AUTHORIZED LABORATORY REPRESENTATIVE: *TMH*

NAME (Please Print): Tami Bright

TITLE and DATE: Office Manager 8/26/27

Lead and Copper Tap Sample Analysis and Result Ranking

Reporting Format 62-550.730(4)(a)

System Name: Greater Pine Island Water Association

Date Submitted to Lab: 07/21/22

PWS-ID:

Analysis Date: 07/29/22

Laboratory Name: Pace Analytical

Lab Analysis method: EPA 200.8

Lab-ID: E83079

Lead or Copper (list one): Copper

Laboratory Contact Person:

Method Detection Limit: 0.00093 mg/L

Phone:

90th Percentile Value: 0.0058

A	RANK	ID NO.	LOCATION	TIER	LAB SAMPLE ID	DATE SITE SAMPLED	LEAD (mg/L)	COPPER (mg/L)
	1	3	12192 Moon Shell Dr		2207792- 003	07/20/22		U 0.00093
	2	4	12199 Star Shell Dr		2207792- 004	07/20/22		U 0.00093
	3	8	10665 Habitat Trl		2207792- 007	07/20/22		U 0.00093
	4	10	10640 Habitat Trl		2207792- 009	07/20/22		U 0.00093
	5	11	5638 Judith Rd		2207792- 011	07/20/22		U 0.00093
	6	12	16170 Antigua Way		2207792- 012	07/20/22		U 0.00093
	7	13	2405 Sapodilla Ln		2207792- 013	07/20/22		U 0.00093
	8	14	12765 Cristy Way		2207792- 014	07/20/22		U 0.00093
	9	16	5452 Bird Song Kn		2207792- 016	07/20/22		U 0.00093
	10	18	4467 Lake Heather Cir		2207792- 018	07/20/22		U 0.00093
	11	21	7813 Grande Pine Rd		2207792- 021	07/20/22		U 0.00093
	12	24	2881 Barracks Ave		2207792- 024	07/20/22		U 0.00093
	13	25	7181 Orange Ave		2207792- 025	07/20/22		U 0.00093
	14	28	2363 Sanibel Blvd		2207792- 027	07/20/22		U 0.00093
	15	29	2299 Palm Ave		2207792- 028	07/20/22		U 0.00093
	16	30	3836 San Carlos Dr		2207792- 029	07/20/22		U 0.00093
	17	23	14139 Clubhouse Dr		2207792- 023	07/20/22		0.00096
	18	1	2344 Banana St		2207792- 001	07/20/22		0.0011
	19	5	1891 Prince Charles Ct		2207792- 005	07/20/22		0.0011
	20	2	11795 Island Ave		2207792- 002	07/20/22		0.0012

CERTIFICATION. The tap samples used for lead and copper analyses were submitted by the above PWS. Each sample container had one liter of solution (± 100 mL). All samples were taken properly by the above system and analyzed in accordance with the requirements in subsection 62-550.550(1), F.A.C. The sampling dates were reported for each sample received. I hereby certify that all data submitted are correct.

SIGNATURE OF AUTHORIZED LABORATORY REPRESENTATIVE: Tami Bright

NAME (Please Print): Tami Bright

TITLE and DATE: Office Manager 8/26/22

Lead and Copper Tap Sample Analysis and Result Ranking

Reporting Format 62-550.730(4)(a)

System Name: Greater Pine Island Water Association

Date Submitted to Lab: 07/21/22

PWS-ID:

Analysis Date: 07/29/22

Laboratory Name: Pace Analytical

Lab Analysis method: EPA 200.8

Lab-ID: E83079

Lead or Copper (list one): Copper

Laboratory Contact Person:

Method Detection Limit: 0.00093 mg/L

Phone:

90th Percentile Value: 0.0058

A	RANK	ID NO.	LOCATION	TIER	LAB SAMPLE ID	DATE SITE SAMPLED	LEAD (mg/L)	COPPER (mg/L)
	21	7	5367 Ann Arbor Dr		2207792-006	07/20/22		0.0012
	22	17	3457 Gasparilla St		2207792-017	07/20/22		0.0013
	23	20	4181 Pine Tree Blvd		2207792-020	07/20/22		0.0013
	24	32	4500 Lake Heather Cir		2207792-030	07/20/22		0.0015
	25	22	12699 Tiffany Rd		2207792-022	07/20/22		0.0018
	26	15	5191 Marina Dr		2207792-015	07/20/22		0.0032
	27	19	5372 Birdsong Ln		2207792-019	07/20/22		0.0058
	28	27	2430 Orange St		2207792-026	07/20/22		0.0072
	29	34	5253 Ridge Rd		2207792-010	07/20/22		0.0089
	20	9	10661 Habitat Trl		2207792-008	07/20/22		0.045

CERTIFICATION. The tap samples used for lead and copper analyses were submitted by the above PWS. Each sample container had one liter of solution (± 100 mL). All samples were taken properly by the above system and analyzed in accordance with the requirements in subsection 62-550.550(1), F.A.C. The sampling dates were reported for each sample received. I hereby certify that all data submitted are correct.

SIGNATURE OF AUTHORIZED LABORATORY REPRESENTATIVE: TMA

NAME (Please Print): Tami Bright

TITLE and DATE: Office Manager 8/20/22



PWS CERTIFICATION OF NOTIFICATION OF LEAD AND COPPER TAP SAMPLE RESULTS

INSTRUCTIONS: This form shall be completed and submitted by community or non-transient non-community water systems that take lead and copper tap samples in accordance with 40 CFR 141.86 (2009). Such systems shall, no later than 30 days after receiving each individual sample, provide notice of the individual tap results to the persons served by the water system at the specific sampling site(s) from which the sample(s) were taken, as required by 40 CFR 141.85(d) (2009). NO LATER THAN THREE MONTHS FOLLOWING THE END OF THE MONITORING, such systems shall also mail a sample copy of the consumers notification of tap results with this form, completed, to the appropriate Department of Environmental Protection District Office or Approved County Health Department. For systems that are on a reduced lead and copper monitoring period, the end of the lead and copper monitoring period is September 30th of the calendar year in which the sampling occurred. All information provided on this form shall be typed or printed in ink.

I. General Information

Public Water System (PWS) Name:		
PWS Identification Number:	PWS Type: <input checked="" type="checkbox"/> Community <input type="checkbox"/> Non-Transient Non-Community	
PWS Size: <input type="checkbox"/> Small <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Large		
PWS Owner: GREATER PINE ISLAND WATER ASSOCIATION INC.		
Contact Person: MIKES MAILLAKAKIS	Contact Person's Title: GENERAL MANAGER	
Contact Person's Mailing Address: 5281 PINE ISLAND ROAD		
City: BOKEELIA	State: FL	Zip Code: 33922
Contact Person's Telephone Number: 239-283-1071	Contact Person's Fax Number: 239-283-7792	
Contact Person's E-Mail Address: mikesm@pineislandwater.com		
Date of the end of the Lead and Copper Monitoring Period: JULY 20, 2022		

II. Certification*

A. Certification by a Community Water System (CWS)

The CWS identified in Part I of this form had one or more lead and copper tap sample results for lead or for copper during the following monitoring period: 7/19/2022 TO 7/20/2022

I am duly authorized to sign this form on behalf of the CWS. I certify that, no later than 30 days after the CWS received each individual lead and copper tap sample result during this monitoring period, the CWS notified each customer by mail, as required by 40 CFR 141.85(d) of the sample result.

Mikes Maillakakis
Signature and Date

MIKES MAILLAKAKIS

Printed or Typed Name

GENERAL MANAGER

Title

B. Certification by a Non-Transient Non-Community Water System (or a Community Water System Serving a Facility Where the Population Served Is Prevented from Making Plumbing Improvements and Is Not Separately Charged for Water Consumption)

The PWS identified in Part I of this form had one or more lead and copper tap sample results for lead or for copper during the following monitoring period: _____

I am duly authorized to sign this form on behalf of the PWS. I certify that, no later than 30 days after the PWS received each individual lead and copper tap sample result during this monitoring period, the PWS provided notice to consumers at sample taps tested, as required by 40 CFR 141.85(d). If the system posted the sample results in a public place or common area in the building(s) where the samples were taken, then check the box below.

The PWS posted the sample results in a public place or common area in the building(s) where the samples were taken, as required by 40 CFR 141.85(d).

Signature and Date

Printed or Typed Name

Title

* A community water system (CWS) shall complete the certification in Part II.A of this form unless the CWS is serving a facility (such as a prison or hospital) where the population served is prevented from making plumbing improvements and is not separately charged for water consumption, in which case the CWS may use the certification in Part II.B of this form. A non-transient non-community water system shall complete the certification in Part II.B of this form.