

APPENDIX C

SPRING SHORES

- A. SIMPLE MAP OF SYSTEM SHOWING
THE LOCATION OF EACH WELL,
WITH WELLS IDENTIFIED

FILED CONFIDENTIALLY

APPENDIX C

SPRING SHORES

**B. DEH/PWSS APPROVAL LETTER
FOR EACH WELL**

Iredell / C. T. C.
Spring Shore Corp. C

November 6, 1969

Mr. J. A. Daniels
Secretary and Treasurer
Home Savings and Loan Association
Statesville, North Carolina 28677

Subject: Spring Shore Corporation
Iredell County

Dear Mr. Daniels:

On November 20, 1969, accompanied by you, an investigation was made concerning the location of four wells to serve as a water supply for the proposed Spring Shore Corporation water system.

The sites are located in the Spring Shore development approximately half a mile north of the intersection of secondary roads numbers 1326 and 1332 as shown on the attached map. The sites are well drained, free of sources of pollution and can be properly protected. As far as could be determined, the sites are not subject to flooding.

The above well sites are approved from a sanitary standpoint with the following provisos:

1. That the person supplying the water shall own or control the property for a radius of 100 feet around the well.
2. That no sewer or pollution shall exist or be introduced within 100 feet of the well.
3. That the well site be built up in such a way that surface drainage will flow away from the well.

Final approval of the water quality will, of course, be based on analysis of the water by our Laboratory Division.

NORTH CAROLINA
STATE BOARD OF HEALTH

P O BOX 2031
RALEIGH NORTH CAROLINA 27602

Joseph E. Hightower, M.D.
Southern Pines

J. M. Lacey,
Hadden

Paul F. Maness, D.D.
Burlington

Ernest A. Hardeman, J.D., B.S.P.H.
Mount Airy

Joseph H. Meredith, M.D.
Winston-Salem

March 18, 1970

Mr. Roney A. Daniels, President
C & W Collection Agency, Inc.
P. O. Box 587
Statesville, North Carolina 28677

RE: Spring Shores Development
Iredell County, N. C.

Dear Mr. Daniels:

The plans submitted for the referenced project have been reviewed by the engineers of this Division. The plans call for four wells, four pneumatic storage tanks, and a distribution system serving one hundred connections. Only one well and storage tank will be activated at this time. These plans are hereby approved under State Board of Health Serial No. 7335, dated March 16, 1970, with the following proviso:

Additional wells and storage will be provided as required.

One copy of the "Application for Approval..." on which approval of this project has been granted together with one copy of the plans is enclosed. The second set is being forwarded to Piedmont Construction and Water Company. The third set of the plan is being retained in our permanent files.

If we can be of further assistance, please call on us.

Very truly yours,

Marshall Staton
Marshall Staton, Director
Sanitary Engineering Division

Enclosures

cc: Piedmont Construction & Water Company
Mr. T. G. Croom
Iredell County Health Department
Mr. R. J. Nery

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Sep 01 2021



Division of Environmental Health
Terry L. Pierce, Director

State of North Carolina
Michael F. Easley, Governor

Public Water Supply Section
Jessica G. Miles, Section Chief

Department of Environment and
Natural Resources
William G. Ross, Secretary

July 31, 2008

GARY R MOSELEY
4163 SINCLAIR STREET
DENVER, NC 28037

Re: **Final Approval**
Final Approval Date: 7/28/2008
SPRING SHORES S/D, WELL 2
DEH Serial #07-01776
PWSID # NC0149138
IREDELL COUNTY

Dear Sir/Madam:

The Department received an engineer's certification statement and an applicant's certification statement concerning the above referenced project. The engineer's certification verifies that the construction of the referenced project has been completed in accordance with the engineering plans and specifications approved under Department Serial Number 07-01776. The applicant's certification verifies that an Operation and Maintenance Plan and Emergency Management Plan have been completed and are accessible to the operator on duty at all times and available to the Department upon request and that the system will have a certified operator as required by 15A NCAC 18C .1300.

The Department has determined that the requirements specified in 15A NCAC 18C .0303(a) and (c) have been met and, therefore, issues this **Final Approval** in accordance with Rule .0309(a).

Please contact us at (919) 733-2321 if you have any questions or need additional information.

Sincerely,

A handwritten signature in black ink, appearing to read "Tony C. Chen".

Tony C. Chen, P.E.
Technical Services Branch
Public Water Supply Section

TCC:SMB

cc: BRITT SETZER, REGIONAL ENGINEER
IREDELL COUNTY HEALTH DEPARTMENT
LOWRY ENVIRONMENTAL ENGINEERING



North Carolina Department of Environment and Natural Resources
Division of Environmental Health

Beverly Eaves Perdue
Governor

Terry L. Pierce
Director

Dee Freeman
Secretary

June 17, 2009

GARY R MOSELEY
4163 SINCLAIR STREET
DENVER, NC 28037

Re: **Final Approval**
Final Approval Date: 6/17/2009
SPRING SHORES WELL 1 RADIUM REMOVAL
DEH Serial #08-01856
PWSID # NC0149138
IREDELL COUNTY

Dear Sir/Madam:

The Department received an engineer's certification statement and an applicant's certification statement concerning the above referenced project. The engineer's certification verifies that the construction of the referenced project has been completed in accordance with the engineering plans and specifications approved under Department Serial Number 08-01856. The applicant's certification verifies that an Operation and Maintenance Plan and Emergency Management Plan have been completed and are accessible to the operator on duty at all times and available to the Department upon request and that the system will have a certified operator as required by 15A NCAC 18C .1300.

The Department has determined that the requirements specified in 15A NCAC 18C .0303(a) and (c) have been met and, therefore, issues this **Final Approval** in accordance with Rule .0309(a).

If Public Water Supply can be of further service, please call (919) 733-2321.

Sincerely,

Tony C. Chen, P.E.
Technical Services Branch
Public Water Supply Section

TCC:VJT

cc: BRITT SETZER, REGIONAL ENGINEER
IREDELL COUNTY HEALTH DEPARTMENT
LOWRY ENVIRONMENTAL ENGINEERING



North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

John E. Skvarla III
Secretary

10/01/2014

THOMAS J ROBERTS, PRESIDENT
AQUA NORTH CAROLINA, INC
202 MACKENAN COURT
CARY, NC 27511

Re: Final Approval

Final Approval Date: 10/01/2014
RADIUM REMOVAL AT WELL NO. 2
Serial No.: 14-00650
Water System No.: NC0149138
Iredell County

Dear Sir/Madam:

The Department received an engineer's certification statement and an applicant's certification statement concerning the above referenced project. The engineer's certification verifies that the construction of the referenced project has been completed in accordance with the engineering plans and specifications approved under Department Serial Number 14-00650. The applicant's certification verifies that an Operation and Maintenance Plan and Emergency Management Plan have been completed and are accessible to the operator on duty at all times and available to the Department upon request and that the system will have a certified operator as required by 15A NCAC 18C .1300.

The Department has determined that the requirements specified in 15A NCAC 18C .0303(a) and (c) have been met and, therefore, issues this **Final Approval** in accordance with Rule .0309(a).

Sincerely,

Siraj Chohan, P.E., Plan Review Team Leader
Public Water Supply Section
Division of Water Resources

cc: BRITT SETZER, Mooresville Regional Office
Iredell County Health Department
THE WOOTEN COMPANY-RALEIGH

APPENDIX C

SPRING SHORES

- C. ORIGINAL INORGANIC ANALYSIS FOR EACH WELL
SUBMITTED TO DEH FOR WELL APPROVAL**

SPRING SNARE SUBD
 IRROLL CO

OFFICIAL COPY

Sep 01 2021

N C State Board of Health, Laboratory Division, Raleigh, N C
 Certified Request For A Free Water Analysis

Name Of Owner or Tenant Spring Snare Subd
 _____ County _____

Source Well (✓) Spring () Other _____

Depth _____ ft ? Pump Hand Operated () Power Driven ()

Collected By J. J. ... Date 9-12-73 Time 11:00

(Mail Sample Immediately After Collection)

Signed [Signature] (Indicate M D or Sanitarian) **RECEIVED**

Address ... **SEP 17 1973**

... ZIP CODE _____

Do Not Write Below This Line

Bacteriologic Analysis			Physical Analysis	
LB	COLIFORM	BGB	Sediment	_____
1	Not Found <input checked="" type="checkbox"/>	1	Odor	_____
2		2	Color	_____
3	Present <input type="checkbox"/>	3	Turbidity	_____
4		4	Appearance	_____
5	MPN <input type="text"/>	5		

Key V = Very, S = Slight, Mod = Moderate

Lab. No. <u>...</u>	Received <u>9-12-73</u>	Reported <u>...</u>
---------------------	-------------------------	---------------------

North Carolina State Department of Health and Human Services
 P. O. Box 28047, Raleigh, North Carolina 27611

Complete all items above Heavy Line
 (see instructions on reverse side)

Name of Owner or Supply: SPRING SHORE SUBDIVISION
 Address: ROUTE 10
STATESVILLE, N.C. Well No. 1
 County IREDELL
 Report to: BEN DANIELS & ASSOCIATES
 Address: BOX 5538
STATESVILLE, N. C.
 Collected by: _____
 Date Collected: 7/26 Time: 8:00 A.M.
 Remarks: _____

Type of Supplier:
 1-Municipal
 2-Sanitary District
 3-Mobile Home Park
 4-Community
 5-Association
 6-Industrial
 7-Institution
 8-Private
 9-Other _____

Source of Water:
 1-Ground
 2-Surface
 3-Both
 4-Purchased

Source of Sample:
 1-Well tap
 2-House Tap
 3-Distribution Tap

Type of Sample:
 1-Raw
 2-Treated

Type of Treatment:
 0-None
 1-Chlorinated
 2-Fluoridated
 3-Filtered
 4-Alum
 5-Lime
 6-Soda Ash
 7-Polyphosphate
 8-Water Softener
 9-Other _____

Analysis Desired:
 1-Complete analysis (18 tests)
 2-Partial analysis (9 tests)

ANALYSIS

Color (000)	0	units	Ph (00 0)	6.8
-------------	---	-------	-----------	-----

Results in Parts per Million

Alkalinity CaCO ₃ (000)	44	Fluoride (0.00)	0.18
Total Hardness (000)	23	Arsenic (*0.00)	< 0.01
Iron (*00.00)	< 0.05	Cadmium (*0.00)	< 0.01
Manganese (*00.00)	< 0.03	Chromium ⁺⁶ (*0 00)	< 0.05
Turbidity SiO ₂ (000)	1.5	Copper (*00.00)	6.10 ← / 56
Acidity CaCO ₃ (000)	15	Lead (*0 00)	< 0.05
Chloride (000)	0	Zinc (*00.00)	0.55
Sodium (000)	8	CALCIUM	5.5
Potassium (00.0)	2.1	MAGNESIUM	1.8

Date received 7/30/73 Date reported 8/2/73
 Reported by CHILDERS Lab. No. 081214

OFFICIAL COPY Sep 01 2021

1001 / 10/11/73

SEP 21 1973

CHEMICAL ANALYSIS OF WATER
North Carolina State Board of Health, Laboratory Division
P. O. Box 28047, Raleigh, North Carolina 27611

Complete all items above Heavy Line
(see instructions on reverse side)

Name of Owner or Supply SPRING SHORE SUBDIVISON

Address RT. 10 MR. R. G. MILLER
BOX 3251 Well No _____

County IREDELL

Report to JOHN McFERRAN

Address BILTMORE PLAZA OFFICE BLDG
ASHEVILLE NC 28803

Collected by JOHN McFERRAN

Date Collected 9/11/73 Time 11:15

Remarks COMPLAINTS OF BITTER TASTE AND SMELL

Type of Supplier
 1-Municipal
 2-Sanitary District
 3-Mobile Home Park
 4-Community
 5-Association
 6-Industrial
 7-Institution
 8-Private
 9-Other _____

Source of Water
 1-Ground
 2-Surface
 3-Both
 4-Purchased

Source of Sample
 1-Well tap
 2-House Tap
 3-Distribution Tap

Type of Sample
 1-Raw
 2-Treated

Type of Treatment
 0-None
 1-Chlorinated
 2-Fluoridated
 3-Filtered
 4-Alum
 5-Lime
 6-Soda Ash
 7-Polyphosphate
 8-Water Softener
 9-Other _____

Analysis Desired
 1-Complete analysis (18 tests)
 2-Partial analysis (9 tests)

ANALYSIS

Color	(000)	0	units	Ph	(00.0)	6.9
-------	-------	---	-------	----	--------	-----

Results in Parts per Million

Alkalinity CaCO ₃	(000)	34	Fluoride	(0.00)	0.18
Total Hardness	(000)	24	Arsenic	(*0.00)	< 0.01
Iron	(*00.00)	< 0.05	Cadmium	(*0.00)	< 0.01
Manganese	(*00.00)	< 0.03	Chromium ¹⁶	(*0.00)	< 0.05
Turbidity SiO ₂	(000)	1.0	Copper	(*00.00)	0.13
Acidity CaCO ₃	(000)	13	Lead	(*0.00)	< 0.05
Chloride	(000)	1	Zinc	(*00.00)	0.50
Sodium	(000)	5	CALCIUM		5.4
Potassium	(00.0)	1.4	MAGNESIUM		1.9

Date received 9/13/73 Date reported 9/21/73

Date analyzed _____ Reported by CHILDERS Lab. No. 9307

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STATE LABORATORY OF PUBLIC HEALTH
 DIVISION OF HEALTH SERVICES
 N C DEPARTMENT OF HUMAN RESOURCES
 P O BOX 28047 - 306 N WILMINGTON ST, RALEIGH 27611

INORGANIC CHEMICAL ANALYSES - PUBLIC WATER SYSTEM

Complete All Items Above Heavy Line
 (See Instructions on Reverse Side)

bag well

Name of System Spring Shores Subdivision
C & M Collection Agency, Inc.

Address P. O. Box 5538
Statesville, N. C. ZIP 28677

County Iredell

Report To C & M Collection Agency Inc.

Address P. O. Box 5538
Statesville, N. C. ZIP 28677

Telephone Number (704) 872-9521

Collected By Terry H. Daniels

Date Collected 5/19/83 Time 8:30 AM PM

Location of Sampling Point Spring Shores Lot #23
 (Address where sample was collected)

Remarks

Type of System
 Community
 Non-Community

Source of Water
 Ground
 Surface
 Both
 Purchased

Source of Sample
 Distribution Tap
 House Tap
 Well Tap

Type of Sample
 Raw
 Treated

Type of Treatment
 None
 Chlorinated
 Fluoridated
 Filtered
 Alum
 Lime
 Soda Ash
 Polyphosphate
 Water Softener
 Other

Type of Sample
 Regular
 Check
 Private
 Special

WATER SYSTEM I D NUMBER (COPY FROM MAILING LABEL)

01-49-138

State Drinking Water Parameters (Required)		Results	
Arsonic		<u><0.01</u>	mg/l 2
Barium		<u>0.3</u>	mg/l 2
Cadmium		<u><0.005</u>	mg/l 3
Chromium		<u><0.01</u>	mg/l 2
Fluoride		<u>1.65</u>	mg/l 2
Lead		<u><0.03</u>	mg/l 2
Mercury		<u><0.0002</u>	mg/l 4
Nitrate (as N)	<u>(E)</u>	<u><1.0</u>	mg/l 2
Selenium		<u><0.005</u>	mg/l 3
Silver		<u><0.05</u>	mg/l 2
pH		<u>7.4</u>	units 1
Iron		<u>0.12</u>	mg/l 2
Manganese		<u>0.13</u>	mg/l 2

Optional Parameters (List as needed)		Results
<i>Total Dissolved Solids</i>		
<i>0.13</i>		
<i>0.05</i>		

Date Received _____ Date Reported 5/31/83 Reported By _____
11160 MAY 20 83

Date Analyzed _____ Laboratory Number _____

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 Sep 01 2021

INSTRUCTIONS

Using typewriter or ball point pen, fill in all requested information on the top portion of form front. Please print legibly if typewriter is not available.

Before taking the sample, remove the two "freeze packs" from the styrofoam mailer and place in a freezer overnight. (SAMPLES NOT PRESERVED BY ICING DURING SHIPMENT WILL NOT BE TESTED)

SAMPLE COLLECTION

- 1) Remove the two 1-quart plastic containers and inflate by mouth, if uninflated
- 2) Let the water (to be sampled) run for 5 minutes to assure that the water is from the distribution system
- 3) Rinse each plastic container two or three times, and discard the water
- 4) After rinsing, fill each container to within approximately one inch of top of the sampling container. Then cap the container securely. Check samples (see Types of Samples below), samples from non-community systems, and special samples may contain only one 1-quart sampling container, rather than two.

SAMPLE SHIPMENT

- 1) After collection of the sample(s), replace the two frozen "freeze packs" in the styrofoam mailer
- 2) Next, place the two 1-quart samples into the mailer and cap
- 3) After capping the styrofoam mailer, place the report form (UNFOLDED) on top, then seal the cardboard box. Mail immediately to the State Laboratory using the supplied label. The sender is required to pay shipping costs.

The analysis takes several days for completion, and the report will be mailed back as soon as possible. Please do not call the laboratory to request "early" results, unless absolutely necessary.

LIMITS OF ALLOWABLE CONCENTRATIONS FOR DRINKING WATER ARE LISTED BELOW

<u>Parameters</u>	<u>Limits (mg/l)</u>	<u>Methods (EPA-600/4-79-020)</u>
Arsenic	0.05	AA, furnace technique, pp 206 2-1 - 206 2-2
Barium	1.0	AA, direct aspiration, pp 208 1-1 - 208 1-2
Cadmium	0.010 ^b	AA, furnace technique, pp 213 2-1 - 213 2-2
Chromium	0.05	AA, furnace technique, pp 218 2-1 - 218 2-2
Fluoride (-Temperature Dependent)	1.4-2.4	Ion Selective Electrode, pp 340 2-1 - 340 2-3
Lead	0.05	AA, furnace technique, pp 239 2-1 - 239 2-2
Mercury	0.002	Manual Cold Vapor technique, pp 245 1-1 - 245 1-6
Nitrate (as N)	10.0	Colorimetric, Brucine, pp 352 1-1 - 352 1-3
Selenium	0.01	AA, furnace technique, pp 270 2-1 - 270 2-3
Silver	0.05	AA direct aspiration, pp 272 1-1 - 272 1-2
Iron	0.3	AA, direct aspiration, pp 236 1-1 - 236 1-2
Manganese	0.05	AA, direct aspiration, pp 243 1-1 - 243 1-2
pH	not less than 6.5 units	pH Electrometric, pp 150 1-1 - 150 1-3

If sample concentrations are greater than the allowable concentrations, a check sample(s) will be required.

TYPES OF SAMPLES

- Regular - A sample(s) submitted to meet the monitoring requirements of the North Carolina Drinking Water Act, GS 130 Article 13D
- Check - A sample(s) submitted when a previous sample has exceeded the allowable concentration. The check sample should be taken from the same sample distribution tap as the previous sample.
- Private - A sample(s) from a private water supply submitted by a licensed physician, sanitarian or other health department representative.
- Special - A sample(s) submitted by an engineer working with the State or the EPA, a sample taken by the owner/operator of a water system for a new well, a landfill test well sample or other non-categorized sample.



**environmental
testing inc.**

ANALYSIS FOR PRIMARY DRINKING WATER REGULATIONS

CLIENT SUPPLIED INFORMATION - ALL BLANKS MUST BE FILLED IN

CLIENT/UTILITY: Spring Shores COUNTY: Iredell
 REPORT TO: Jerry H. Daniels PHONE: (704) 872-9521
 ADDRESS: PO Box 5538
 CITY: Statesville STATE: NC ZIP: 28677
 DATE OF SAMPLING: 2/24/83 TIME OF SAMPLING: 1010
 NAME OF PERSON COLLECTING SAMPLE: R. H. Lang
 ADDRESS OR LOCATION OF SAMPLING POINT: End of Mimosa
 SOURCE: Well Tap (X) Plant Tap () Distribution Tap ()
 TREATMENT: None (X) Chlorinated () Filtered () Alum ()
 WATER TEMPERATURE: 16 °C DATE: 2/24/83 TIME: 1010
 pH: 7.46 Standard Units DATE: 2/24/83 TIME: 1530
 DATES: RECEIVED: 2/24/83 ANALYZED: 3/4/83 REPORTED: 3/11/83
 N. C. WATER SUPPLY I. D. #: 01-49-138 (X) GROUND OR () SURFACE WATER

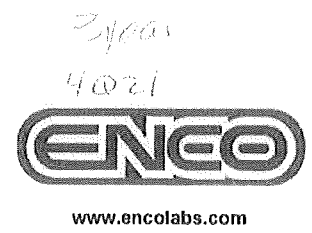
METHOD NUMBER		CONTAMINANT	CONTAMINANT	FOUND
EPA	S.M. 14th ed. Section #		I. D. #	
	203	<i>Paul H. Lang</i> Corrosivity Calculation Langelier Index - Test Method #140 Aggressive Index - Test Method #138	1910	- 0 274
310.1		Alkalinity, mg/l as CaCO ₃	1927	115.8
130.2		Calcium ion Total Hardness, mg/l as CaCO ₃	1919	166.0
160.1		Total Filtrable Residue, mg/l	1930	182.6
150.1		pH , Standard Units	1925	7.46
	212	Temperature, °C	1996	16.0°C
273.1		Sodium, Total (Na) ug/l		10,800

APPENDIX C

SPRING SHORES

**D. ALL INORGANIC ANALYSES FROM EACH WELL AT THE
WELLHEAD FOR THE LAST SIX YEARS**

Spreadsheet
 Environmental Conservation Laboratories, Inc.
 102-A Woodwinds Industrial Court
 Cary, NC 27511
 Ph: (919) 467-3090 Fax: (919) 467-3515



OFFICIAL COPY

Sep 01 2021

INORGANIC CHEMICAL ANALYSIS

WATER SYSTEM ID #: 01-49-138 County: Iredell
 Name of Water System: SPRING SHORES
 Sample Type: Entry Point Special/Non-compliance
 Location Where Collected: Well: 1(IOC) - SPRING SHORES(616) - ISLAND VIEW ROAD
 Facility ID No: P01
 Location Code: E01
 Collected By: Michael Jordan
 Mail Results to:
 Aqua NC - Denver (AQ004)
 Attn: Debbie Dycus
 4163 Sinclair Street
 Denver, NC 28037

Collection Date	Collection Time
11/01/18	02:08 pm

Phone #: (704) 489-9404
 Fax #: (704) 489-9409

LABORATORY ID #: 37724 SAMPLE UNSATISFACTORY RESAMPLE REQUIRED

CONTAM CODE	CONTAMINANT	METHOD CODE	REQUIRED REPORTING LIMIT (R.R.L.)	NOT DETECTED (i.e < R.R.L.) (X)	QUANTIFIED RESULTS*	ALLOWABLE LIMIT
1005	Arsenic	200.8	0.005 mg/L	X	mg/L	0.01 mg/L
1010	Barium	200.8	0.4 mg/L	X	mg/L	2 mg/L
1015	Cadmium	200.8	0.001 mg/L	X	mg/L	0.005 mg/L
1020	Chromium	200.8	0.02 mg/L	X	mg/L	0.1 mg/L
1024	Cyanide (total)	335.4	0.05 mg/L	X	mg/L	0.2 mg/L
1025	Fluoride	300.0	0.1 mg/L		0.82 mg/L	4 mg/L
1028	Iron	200.7	0.06 mg/L	X	mg/L	0.3 mg/L
1032	Manganese	200.8	0.01 mg/L	X	mg/L	0.05 mg/L
1035	Mercury	245.1	0.0004 mg/L	X	mg/L	0.002 mg/L
1036	Nickel	200.8	0.1 mg/L	X	mg/L	N/A
1045	Selenium	200.8	0.01 mg/L	X	mg/L	0.05 mg/L
1052	Sodium	200.7	1 mg/L		32.5 mg/L	N/A
1055	Sulfate as SO4	300.0	5 mg/L		21 mg/L	250 mg/L
1074	Antimony	200.8	0.003 mg/L	X	mg/L	0.006 mg/L
1075	Beryllium	200.8	0.002 mg/L	X	mg/L	0.004 mg/L
1085	Thallium	200.8	0.001 mg/L	X	mg/L	0.002 mg/L
1925	pH	4500H-B	N/A	N/A	7.7 units	6.5-8.5 units

*Note: Except for Iron and Manganese, if result exceeds allowable limit, the laboratory must fax analytical results to the State within 48 hours.

	DATE:	TIME:
ANALYSES BEGUN:	11/07/2018	8:51 am
ANALYSES COMPLETED:	11/16/2018	12:50 pm

Laboratory Log #: CB14009-01

Certified By: Bill Scott Bill Scott

COMMENTS:



Pace Analytical Services, Inc.
 8 East Tower Circle
 Ormond Beach, FL 32174
 Phone: (386) 672-5661
 Fax: (386) 673-4011

INORGANIC CHEMICAL ANALYSIS
 Note: All information must be supplied for compliance credit.

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Sep 01 2021

WATER SYSTEM ID#: 0 1 - 4 9 - 1 3 8

County: Iredell

Name of Water System: Spring Shores

Sample Type: **Entry Point** **Non-compliance**

Location Where Collected: Spring Shores P01 E01 W1

Facility ID No.: P 0 1

Sample Point: E 0 1

Collected By: Mike Jordan
 (Please Print)

Collection Date	Collection Time
<u>1 0 / 1 2 / 1 5</u> (MM/DD/YY)	<u>0 1 : 5 5 , P M</u> (Specify AM or PM)

Mail Results to (water system representative):

Debbie Gentry
1163 Sinclair St.
Denver, NC 28037

Phone #: (704) 489-9404
Fax #: (704) 489-9409
Responsible Person's email:
dagentry@aquaamerica.com

LABORATORY ID #: 1 2 7 1 0

SAMPLE UNSATISFACTORY **RESAMPLE REQUIRED**

CONTAM CODE	CONTAMINANT	METHOD CODE	REQUIRED REPORTING LIMIT (R.R.L.)	NOT DETECTED (i.e. < R.R.L.) (X)	QUANTIFIED RESULTS*	ALLOWABLE LIMIT
1005	Arsenic	200.8	0.005 mg/L	<input checked="" type="checkbox"/>	mg/L	0.010 mg/L
1010	Barium	200.7	0.400 mg/L	<input checked="" type="checkbox"/>	mg/L	2.000 mg/L
1015	Cadmium	200.7	0.001 mg/L	<input checked="" type="checkbox"/>	mg/L	0.005 mg/L
1020	Chromium	200.7	0.020 mg/L	<input checked="" type="checkbox"/>	mg/L	0.100 mg/L
1024	Cyanide	335.4	0.050 mg/L	<input checked="" type="checkbox"/>	mg/L	0.200 mg/L
1025	Fluoride	300.0	0.100 mg/L	<input type="checkbox"/>	<u>0 9 1 0 0</u> mg/L	4.000 mg/L
1028	Iron	200.7	0.060 mg/L	<input checked="" type="checkbox"/>	mg/L	0.300 mg/L
1032	Manganese	200.7	0.010 mg/L	<input type="checkbox"/>	<u>0 1 6 0 0</u> mg/L	0.050 mg/L
1035	Mercury	245.1	0.0004 mg/L	<input checked="" type="checkbox"/>	mg/L	0.002 mg/L
1036	Nickel	200.7	0.100 mg/L	<input checked="" type="checkbox"/>	mg/L	N/A
1045	Selenium	200.8	0.010 mg/L	<input checked="" type="checkbox"/>	mg/L	0.050 mg/L
1052	Sodium	200.7	1.0 mg/L	<input type="checkbox"/>	<u>9 3 0 0 0</u> mg/L	N/A
1055	Sulfate	300.0	15.0 mg/L	<input type="checkbox"/>	<u>2 1 5 0 0 0</u> mg/L	250.0 mg/L
1074	Antimony	200.8	0.003 mg/L	<input checked="" type="checkbox"/>	mg/L	0.006 mg/L
1075	Beryllium	200.7	0.002 mg/L	<input checked="" type="checkbox"/>	mg/L	0.004 mg/L
1085	Thallium	200.8	0.001 mg/L	<input checked="" type="checkbox"/>	mg/L	0.002 mg/L
1925	pH	4500H-B	N/A	<input type="checkbox"/>	<u>7 4 0 0 0</u> units	6.5-8.5

*Note: Except for Iron, Manganese, and Sulfate, if result exceeds allowable limit, the laboratory must fax analytical results to the State within 48 hours.

	DATE:	TIME:
ANALYSES BEGUN:	<u>1 0 / 1 6 / 1 5</u> (MM/DD/YY)	<u>0 7 : 4 0 , A M</u> (Specify AM or PM)
ANALYSES COMPLETED:	<u>1 0 / 2 3 / 1 5</u> (MM/DD/YY)	<u>0 1 : 2 3 , P M</u> (Specify AM or PM)

Laboratory Log #: 92271650002

Certified By: Taylor Ezell

(Print and sign name)

COMMENTS: _____

Environmental Conservation Laboratories, Inc.
 102-A Woodwinds Industrial Court
 Cary, NC 27511
 Ph: (919) 467-3090 Fax: (919) 467-3515



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Sep 01 2021

INORGANIC CHEMICAL ANALYSIS

WATER SYSTEM ID #: 01-49-138 County: Iredell

Name of Water System: SPRING SHORES

Sample Type: Entry Point Special/Non-compliance

Location Where Collected: Well: 1(IOC) - SPRING SHORES(616) - ISLAND VIEW ROAD

Facility ID No: P01

Location Code: E01

Collected By: JAMEY BROWN

Collection Date	Collection Time
10/26/12	08:00 am

Mail Results to:

Aqua NC - Denver (AQ004)

Attn: Debbie Gentry

4163 Sinclair Street

Denver, NC 28037

Phone #: (704) 489-9404

Fax #: (704) 489-9409

LABORATORY ID #: 37724

SAMPLE UNSATISFACTORY

RESAMPLE REQUIRED

CONTAM CODE	CONTAMINANT	METHOD CODE	REQUIRED REPORTING LIMIT (R.R.L.)	NOT DETECTED (i.e < R.R.L.) (X)	QUANTIFIED RESULTS*	ALLOWABLE LIMIT
1005	Arsenic	200.8	0.005 mg/L	X	mg/L	0.01 mg/L
1010	Barium	200.8	0.4 mg/L	X	mg/L	2 mg/L
1015	Cadmium	200.8	0.001 mg/L	X	mg/L	0.005 mg/L
1020	Chromium	200.8	0.02 mg/L	X	mg/L	0.1 mg/L
1024	Cyanide (total)	335.4	0.05 mg/L	X	mg/L	0.2 mg/L
1025	Fluoride	300.0	0.1 mg/L		0.67 mg/L	4 mg/L
1028	Iron	200.7	0.06 mg/L		1 mg/L	0.3 mg/L
1032	Manganese	200.8	0.01 mg/L		0.170 mg/L	0.05 mg/L
1035	Mercury	245.1	0.0004 mg/L	X	mg/L	0.002 mg/L
1036	Nickel	200.8	0.1 mg/L	X	mg/L	N/A
1045	Selenium	200.8	0.01 mg/L	X	mg/L	0.05 mg/L
1052	Sodium	200.7	1 mg/L		10 mg/L	N/A
1055	Sulfate as SO4	300.0	5 mg/L		18 mg/L	250 mg/L
1074	Antimony	200.8	0.003 mg/L	X	mg/L	0.006 mg/L
1075	Beryllium	200.8	0.002 mg/L	X	mg/L	0.004 mg/L
1085	Thallium	200.8	0.001 mg/L	X	mg/L	0.002 mg/L
1925	pH	4500H-B	N/A	N/A	7.4 units	6.5-8.5 units

*Note: Except for Iron and Manganese, if result exceeds allowable limit, the laboratory must fax analytical results to the State within 48 hours.

	DATE:	TIME:
ANALYSES BEGUN:	11/01/2012	10:05 am
ANALYSES COMPLETED:	11/06/2012	12:40 pm

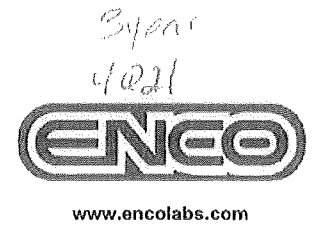
Laboratory Log #: C212852-01

Certified By: *A.L.H.* Link Thrower

COMMENTS:

Environmental Conservation Laboratories, Inc.
 102-A Woodwinds Industrial Court
 Cary, NC 27511
 Ph: (919) 467-3090 Fax: (919) 467-3515

split spreadsheet email



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Sep 01 2021

INORGANIC CHEMICAL ANALYSIS

WATER SYSTEM ID #: 01-49-138 County: Iredell
 Name of Water System: SPRING SHORES
 Sample Type: Entry Point Special/Non-compliance
 Location Where Collected: Well: 2(IOC) - SPRING SHORES(616) - MIMOSA COURT
 Facility ID No: P02
 Location Code: E02
 Collected By: Michael Jordan
 Mail Results to:
 Aqua NC - Denver (AQ004)
 Attn: Debbie Dycus
 4163 Sinclair Street Phone #: (704) 489-9404
 Denver, NC 28037 Fax #: (704) 489-9409

Collection Date	Collection Time
11/01/18	01:43 pm

LABORATORY ID #: 37724

SAMPLE UNSATISFACTORY

RESAMPLE REQUIRED

CONTAM CODE	CONTAMINANT	METHOD CODE	REQUIRED REPORTING LIMIT (R.R.L.)	NOT DETECTED (i.e < R.R.L.) (X)	QUANTIFIED RESULTS*	ALLOWABLE LIMIT
1005	Arsenic	200.8	0.005 mg/L	X	mg/L	0.01 mg/L
1010	Barium	200.8	0.4 mg/L	X	mg/L	2 mg/L
1015	Cadmium	200.8	0.001 mg/L	X	mg/L	0.005 mg/L
1020	Chromium	200.8	0.02 mg/L	X	mg/L	0.1 mg/L
1024	Cyanide (total)	335.4	0.05 mg/L	X	mg/L	0.2 mg/L
1025	Fluoride	300.0	0.1 mg/L		1.2 mg/L	4 mg/L
1028	Iron	200.7	0.06 mg/L		0.534 mg/L	0.3 mg/L
1032	Manganese	200.8	0.01 mg/L		0.414 mg/L	0.05 mg/L
1035	Mercury	245.1	0.0004 mg/L	X	mg/L	0.002 mg/L
1036	Nickel	200.8	0.1 mg/L	X	mg/L	N/A
1045	Selenium	200.8	0.01 mg/L	X	mg/L	0.05 mg/L
1052	Sodium	200.7	1 mg/L		13.8 mg/L	N/A
1055	Sulfate as SO4	300.0	5 mg/L		71 mg/L	250 mg/L
1074	Antimony	200.8	0.003 mg/L	X	mg/L	0.006 mg/L
1075	Beryllium	200.8	0.002 mg/L	X	mg/L	0.004 mg/L
1085	Thallium	200.8	0.001 mg/L	X	mg/L	0.002 mg/L
1925	pH	4500H-B	N/A	N/A	7.5 units	6.5-8.5 units

*Note: Except for Iron and Manganese, if result exceeds allowable limit, the laboratory must fax analytical results to the State within 48 hours.

	DATE:	TIME:
ANALYSES BEGUN:	11/07/2018	8:51 am
ANALYSES COMPLETED:	11/15/2018	5:33 pm

Laboratory Log #: CB14009-02

Certified By: Bill Scott Bill Scott

COMMENTS:



Pace Analytical Services, Inc
 8 East Tower Circle
 Ormond Beach, FL 3217
 Phone: (386) 672-566
 Fax: (386) 673-400

INORGANIC CHEMICAL ANALYSIS

Note: All information must be supplied for compliance credit.

WATER SYSTEM ID#: 0 1 - 4 9 - 1 3 8

County: Iredell

Name of Water System: Spring Shores

Sample Type: Entry Point Non-compliance

Location Where Collected: Spring Shores P02 E02 W2

Facility ID No.: P 0 2

Sample Point: E 0 2

Collected By: Mike Jordan
 (Please Print)

Collection Date	Collection Time
<u>1 0 / 1 2 / 1 5</u> (MM/DD/YY)	<u>0 1 : 2 0 , P M</u> (Specify AM or PM)

Mail Results to (water system representative):

Debbie Gentry
1163 Sinclair St.
Denver, NC 28037

Phone #: (704) 489-9404
 Fax #: (704) 489-9409
 Responsible Person's email:
dagentry@aquaamerica.com

LABORATORY ID #: 1 2 7 1 0

SAMPLE UNSATISFACTORY RESAMPLE REQUIRED

CONTAM CODE	CONTAMINANT	METHOD CODE	REQUIRED REPORTING LIMIT (R.R.L.)	NOT DETECTED (i.e. < R.R.L.) (X)	QUANTIFIED RESULTS*	ALLOWABLE LIMIT
1005	Arsenic	200.8	0.005 mg/L	<input checked="" type="checkbox"/>	mg/L	0.010 mg/L
1010	Barium	200.7	0.400 mg/L	<input checked="" type="checkbox"/>	mg/L	2.000 mg/L
1015	Cadmium	200.7	0.001 mg/L	<input checked="" type="checkbox"/>	mg/L	0.005 mg/L
1020	Chromium	200.7	0.020 mg/L	<input checked="" type="checkbox"/>	mg/L	0.100 mg/L
1024	Cyanide	335.4	0.050 mg/L	<input checked="" type="checkbox"/>	mg/L	0.200 mg/L
1025	Fluoride	300.0	0.100 mg/L	<input type="checkbox"/>	<u>1 3 0 0 0</u> mg/L	4.000 mg/L
1028	Iron	200.7	0.060 mg/L	<input type="checkbox"/>	<u>0 0 8 6 0</u> mg/L	0.300 mg/L
1032	Manganese	200.7	0.010 mg/L	<input type="checkbox"/>	<u>0 4 2 0 0</u> mg/L	0.050 mg/L
1035	Mercury	245.1	0.0004 mg/L	<input checked="" type="checkbox"/>	mg/L	0.002 mg/L
1036	Nickel	200.7	0.100 mg/L	<input checked="" type="checkbox"/>	mg/L	N/A
1045	Selenium	200.8	0.010 mg/L	<input checked="" type="checkbox"/>	mg/L	0.050 mg/L
1052	Sodium	200.7	1.0 mg/L	<input type="checkbox"/>	<u>1 3 8 0 0 0</u> mg/L	N/A
1055	Sulfate	300.0	15.0 mg/L	<input type="checkbox"/>	<u>7 5 2 0 0 0</u> mg/L	250.0 mg/L
1074	Antimony	200.8	0.003 mg/L	<input checked="" type="checkbox"/>	mg/L	0.006 mg/L
1075	Beryllium	200.7	0.002 mg/L	<input checked="" type="checkbox"/>	mg/L	0.004 mg/L
1085	Thallium	200.8	0.001 mg/L	<input checked="" type="checkbox"/>	mg/L	0.002 mg/L
1925	pH	4500H-B	N/A	<input type="checkbox"/>	<u>7 6 0 0 0</u> units	6.5-8.5

*Note: Except for Iron, Manganese, and Sulfate, if result exceeds allowable limit, the laboratory must fax analytical results to the State within 48 hours.

ANALYSES BEGUN:	DATE:	TIME:
	<u>1 0 / 1 6 / 1 5</u> (MM/DD/YY)	<u>0 7 : 4 0 , A M</u> (Specify AM or PM)
ANALYSES COMPLETED:	<u>1 0 / 2 3 / 1 5</u> (MM/DD/YY)	<u>0 1 : 2 7 , P M</u> (Specify AM or PM)

Laboratory Log #: 92271650003

Certified By: Taylor Ezell
 (Print and sign name)

COMMENTS: _____

Environmental Conservation Laboratories, Inc.
 102-A Woodwinds Industrial Court
 Cary, NC 27511
 Ph: (919) 467-3090 Fax: (919) 467-3515



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Sep 01 2021

INORGANIC CHEMICAL ANALYSIS

WATER SYSTEM ID #: 01-49-138 County: Iredell

Name of Water System: SPRING SHORES

Sample Type: Entry Point Special/Non-compliance

Location Where Collected: Well: 2(IOC) - SPRING SHORES(616) - MIMOSA COURT

Facility ID No: P02

Location Code: E02

Collected By: JAMEY BROWN

Collection Date	Collection Time
10/23/12	06:00 pm

Mail Results to:

Aqua NC - Denver (AQ004)

Attn: Debbie Gentry

4163 Sinclair Street

Denver, NC 28037

Phone #: (704) 489-9404

Fax #: (704) 489-9409

LABORATORY ID #: 37724

SAMPLE UNSATISFACTORY

RESAMPLE REQUIRED

CONTAM CODE	CONTAMINANT	METHOD CODE	REQUIRED REPORTING LIMIT (R.R.L.)	NOT DETECTED (i.e < R.R.L.) (X)	QUANTIFIED RESULTS*	ALLOWABLE LIMIT
1005	Arsenic	200.8	0.005 mg/L	X	mg/L	0.01 mg/L
1010	Barium	200.8	0.4 mg/L	X	mg/L	2 mg/L
1015	Cadmium	200.8	0.001 mg/L	X	mg/L	0.005 mg/L
1020	Chromium	200.8	0.02 mg/L	X	mg/L	0.1 mg/L
1024	Cyanide (total)	335.4	0.05 mg/L	X	mg/L	0.2 mg/L
1025	Fluoride	300.0	0.1 mg/L		1.3 mg/L	4 mg/L
1028	Iron	200.7	0.06 mg/L		0.5 mg/L	0.3 mg/L
1032	Manganese	200.8	0.01 mg/L		0.414 mg/L	0.05 mg/L
1035	Mercury	245.1	0.0004 mg/L	X	mg/L	0.002 mg/L
1036	Nickel	200.8	0.1 mg/L	X	mg/L	N/A
1045	Selenium	200.8	0.01 mg/L	X	mg/L	0.05 mg/L
1052	Sodium	200.7	1 mg/L		14 mg/L	N/A
1055	Sulfate as SO4	300.0	5 mg/L		77 mg/L	250 mg/L
1074	Antimony	200.8	0.003 mg/L	X	mg/L	0.006 mg/L
1075	Beryllium	200.8	0.002 mg/L	X	mg/L	0.004 mg/L
1085	Thallium	200.8	0.001 mg/L	X	mg/L	0.002 mg/L
1925	pH	4500H-B	N/A	N/A	7.4 units	6.5-8.5 units

*Note: Except for Iron and Manganese, if result exceeds allowable limit, the laboratory must fax analytical results to the State within 48 hours

	DATE:	TIME:
ANALYSES BEGUN:	10/28/2012	9:08 am
ANALYSES COMPLETED:	11/02/2012	11:35 am

Laboratory Log #: C210338-02

Certified By: Link Thrower Link Thrower

COMMENTS:

APPENDIX C

SPRING SHORES

- E. COPIES OF ALL IRON AND/OR MANGANESE ANALYSES FOR SOLUBLE AND INSOLUBLE THE PAST THREE YEARS – BASELINE (WITHOUT TREATMENT), WELL HEAD (AFTER TREATMENT), AND DISTRIBUTION SYSTEM (AFTER TREATMENT)



ENCO Laboratories

Accurate. Timely. Responsive. Innovative.

102-A Woodwinds Industrial Court
Cary NC, 27511

Phone: 919.467.3090 FAX: 919.467.3515

Monday, December 24, 2018
Aqua NC - Denver (AQ004)
Attn: Debbie Dycus
4163 Sinclair Street
Denver, NC 28037

RE: Laboratory Results for
Project Number: [none], Project Name/Desc: SPRING SHORES(616) - Special
ENCO Workorder(s): CB18365

PO2
Before Clean

Dear Debbie Dycus,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, December 14, 2018.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative if applicable. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Bill Scott
Project Manager
Enclosure(s)



www.encolabs.com

SAMPLE DETECTION SUMMARY

Client ID: Total - P02 **Lab ID: CB18365-01**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Manganese - Total	0.00316	J	0.00150	0.0100	mg/L	EPA 200.7	

Client ID: Soluble - P02 **Lab ID: CB18365-02**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Manganese - Dissolved	0.00309	J	0.00150	0.0100	mg/L	EPA 200.7	LG-01

Client ID: Total- Raw- S02 **Lab ID: CB18365-03**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Iron - Total	5.36		0.0220	0.0500	mg/L	EPA 200.7	
Manganese - Total	0.440		0.00150	0.0100	mg/L	EPA 200.7	

Client ID: Soluble-Raw- S02 **Lab ID: CB18365-04**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Manganese - Dissolved	0.439		0.00150	0.0100	mg/L	EPA 200.7	LG-01

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Sep 01 2021

APPENDIX C

SPRING SHORES

**F. COPIES OF THE PUMP STATUS REPORTS FOR EACH
WELL FOR THE LAST TWO YEARS**

PUMP STATUS REPORT FORM

WATER SYSTEM NAME: Spring Shores
 PWS ID #: NC 01-49-138
 WELL NO: Well-2

 WELL PUMP: _____
 BOOSTER PUMP: _____

TANK #1 _____ TANK #2 _____
 TYPE _____ TYPE _____
 TOTAL CAPACITY _____ TOTAL CAPACITY _____
 OPERATING PRESSURE _____ OPERATING PRESSURE _____

Date Read	No. Days	Master Meter Reading	Gallons Pumped	Time Meter Reading	Total Hrs. Oper	GPD Pumped	Impulse Meter Reading	Impulse Meter Count	Avg. Pump Cycles / Day	Avg. Dur (mins)	Hrs / Day	Avg. GPM	Avg Water Pumped / Cycle (gals)	Sodium Hypchlorite Added (gals)	Orthophosphate Added (oz)	Sodium Hydroxide Added (gals)
7/2/2019	5	62761200	69600	28184	100	13920	407	11	2.20	546.55	20.04	11.58	2.20			
7/5/2019	3	62794500	33300	28241	58	11100	410	3	1.00	1154.00	19.23	9.62	1.00			
7/8/2019	3	62831600	37100	28297	56	12367	414	4	1.33	843.00	18.73	11.00	1.33			
7/12/2019	4	62880100	48500	28369	72	12125	427	13	3.25	330.46	17.90	11.29	3.25			
7/15/2019	3	62927700	47600	28436	67	15867	427	0	0.00	4008.00	22.27	11.88	0.00			
7/18/2019	3	62962300	34600	28496	60	11533	430	3	1.00	1194.00	19.90	9.66	1.00			
7/22/2019	4	63024200	61900	28578	83	15475	436	6	1.50	825.00	20.63	12.51	1.50			
7/25/2019	3	63060000	35800	28647	69	11933	437	1	0.33	4134.00	22.97	8.66	0.33			
7/29/2019	4	63128300	68300	28742	95	17075	438	1	0.25	5676.00	23.65	12.03	0.25			
8/1/2019	3	63170100	41800	28797	55	13933	446	8	2.67	413.25	18.37	12.64	2.67			
8/5/2019	4	63216600	46500	28865	68	11625	460	14	3.50	292.29	17.05	11.36	3.50			
8/8/2019	3	63252000	35400	28930	65	11800	462	2	0.67	1950.00	21.67	9.08	0.67			
8/12/2019	4	63298800	46800	29023	93	11700	463	1	0.25	5598.00	23.33	8.36	0.25			
8/15/2019	3	63330600	31800	29091	68	10600	465	2	0.67	2043.00	22.70	7.78	0.67			
8/19/2019	4	63370900	40300	29188	97	10075	466	1	0.25	5790.00	24.13	6.96	0.25			
8/22/2019	3	63399600	28700	29257	70	9567	470	4	1.33	1044.00	23.20	6.87	1.33			

PUMP STATUS REPORT FORM

8/26/2019	4	63436400	36800	29348	90	9200	470	0	0.00	5424.00	22.60	6.78	0.00
8/30/2019	4	63511200	74800	29371	23	18700	575	105	26.25	13.20	5.78	53.97	26.25
9/3/2019	4	63560400	49200	29385	14	12300	644	69	17.25	11.91	3.43	59.85	17.25
9/5/2019	2	63584500	24100	29391	7	12050	677	33	16.50	12.55	3.45	58.21	16.50
9/10/2019	5	63654700	70200	29412	21	14040	770	93	18.60	13.23	4.10	57.07	18.60
9/12/2019	2	63676700	22000	29419	7	11000	804	34	17.00	11.65	3.30	55.56	17.00
9/17/2019	5	63762500	85800	29445	26	17160	901	97	19.40	16.33	5.28	54.17	19.40
9/19/2019	2	63788600	26100	29453	8	13050	936	35	17.50	14.06	4.10	53.05	17.50
9/23/2019	4	63847700	59100	29472	19	14775	1012	76	19.00	14.61	4.63	53.24	19.00
9/26/2019	3	63886200	38500	29483	11	12833	1065	53	17.67	12.45	3.67	58.33	17.67
9/30/2019	4	63951900	65700	29501	19	16425	1152	87	21.75	12.97	4.70	58.24	21.75
10/3/2019	3	63992400	40500	29513	12	13500	1202	50	16.67	14.16	3.93	57.20	16.67
10/7/2019	4	64046500	54100	29530	16	13525	1280	78	19.50	12.62	4.10	54.98	19.50
10/10/2019	3	64094400	47900	29545	15	15967	1342	62	20.67	14.52	5.00	53.22	20.67
10/14/2019	4	64155400	61000	29565	21	15250	1417	75	18.75	16.48	5.15	49.35	18.75
10/17/2019	3	64209000	53600	29586	21	17867	1478	61	20.33	20.75	7.03	42.34	20.33
10/21/2019	4	64279900	70900	29606	19	17725	1571	93	23.25	12.39	4.80	61.55	23.25
10/24/2019	3	64319700	39800	29616	11	13267	1628	57	19.00	11.37	3.60	61.42	19.00
10/28/2019	4	64373800	54100	29631	15	13525	1705	77	19.25	11.38	3.65	61.76	19.25
10/31/2019	3	64412000	38200	29641	10	12733	1760	55	18.33	11.24	3.43	61.81	18.33
11/4/2019	4	64472500	60500	29657	16	15125	1843	83	20.75	11.71	4.05	62.24	20.75
11/7/2019	3	64514500	42000	29669	11	14000	1902	59	19.67	11.49	3.77	61.95	19.67
11/12/2019	5	64575200	60700	29685	16	12140	1987	85	17.00	11.51	3.26	62.07	17.00
11/14/2019	2	64595500	20300	29691	6	10150	2016	29	14.50	11.38	2.75	61.52	14.50
11/19/2019	5	64649900	54400	29705	15	10880	2094	78	15.60	11.23	2.92	62.10	15.60
11/21/2019	2	64669800	19900	29711	5	9950	2123	29	14.50	11.17	2.70	61.42	14.50
11/25/2019	4	64712400	42600	29722	12	10650	2184	61	15.25	11.41	2.90	61.21	15.25

PUMP STATUS REPORT FORM

11/27/2019	2	64737200	24800	29729	7	12400	2219	35	17.50	11.83	3.45	59.90	17.50
12/2/2019	5	64806000	68800	29749	20	13760	2312	93	18.60	12.58	3.90	58.80	18.60
12/5/2019	3	64835500	29500	29757	9	9833	2353	41	13.67	12.59	2.87	57.17	13.67
12/9/2019	4	64878700	43200	29772	14	10800	2410	57	14.25	15.16	3.60	50.00	14.25
12/12/2019	3	64906800	28100	29781	10	9367	2448	38	12.67	15.00	3.17	49.30	12.67
12/16/2019	4	64952800	46000	29797	16	11500	2508	60	15.00	16.40	4.10	46.75	15.00
12/18/2019	2	64979300	26500	29804	7	13250	2541	33	16.50	12.73	3.50	63.10	16.50
12/23/2019	5	65037600	58300	29820	16	11660	2622	81	16.20	11.56	3.12	62.29	16.20
12/26/2019	3	65071200	33600	29829	9	11200	2670	48	16.00	11.13	2.97	62.92	16.00
12/30/2019	4	65117100	45900	29841	12	11475	2735	65	16.25	11.35	3.08	62.20	16.25
1/2/2020	3	65152100	35000	29851	9	11667	2784	49	16.33	11.39	3.10	62.72	16.33
1/6/2020	4	65200000	47900	29863	13	11975	2851	67	16.75	11.46	3.20	62.37	16.75
1/9/2020	3	65232500	32500	29872	9	10833	2901	50	16.67	10.44	2.90	62.26	16.67
1/13/2020	4	65277000	44500	29884	12	11125	2965	64	16.00	11.25	3.00	61.81	16.00
1/15/2020	2	65295800	18800	29889	5	9400	2992	27	13.50	11.33	2.55	61.44	13.50
1/20/2020	5	65356900	61100	29906	16	12220	3077	85	17.00	11.58	3.28	62.09	17.00
1/23/2020	3	65390900	34000	29915	9	11333	3125	48	16.00	11.63	3.10	60.93	16.00
1/27/2020	4	65436100	45200	29927	12	11300	3188	63	15.75	11.81	3.10	60.75	15.75
1/30/2020	3	65472100	36000	29937	10	12000	3238	50	16.67	11.88	3.30	60.61	16.67
2/3/2020	4	65518700	46600	29950	13	11650	3304	66	16.50	11.64	3.20	60.68	16.50
2/6/2020	3	65551400	32700	29959	9	10900	3350	46	15.33	11.61	2.97	61.24	15.33
2/10/2020	4	65597400	46000	29972	13	11500	3415	65	16.25	11.72	3.18	60.37	16.25
2/13/2020	3	65631600	34200	29981	9	11400	3462	47	15.67	12.00	3.13	60.64	15.67
2/17/2020	4	65676300	44700	29993	12	11175	3523	61	15.25	12.20	3.10	60.08	15.25
2/20/2020	3	65710200	33900	30003	9	11300	3570	47	15.67	12.00	3.13	60.11	15.67
2/24/2020	4	65757600	47400	30016	13	11850	3634	64	16.00	12.38	3.30	59.85	16.00
2/26/2020	2	65776800	19200	30021	5	9600	3661	27	13.50	11.78	2.65	60.38	13.50

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3/2/2020	5	65835400	58600	30038	16	11720	3742	81	16.20	12.15	3.28	59.55	16.20
3/5/2020	3	65866300	30900	30046	9	10300	3785	43	14.33	12.14	2.90	59.20	14.33
3/9/2020	4	65918900	52600	30061	15	13150	3849	64	16.00	14.06	3.75	58.44	16.00
3/12/2020	3	65950300	31400	30070	9	10467	3893	44	14.67	12.14	2.97	58.80	14.67
3/16/2020	4	66008300	58000	30088	18	14500	3959	66	16.50	15.91	4.38	55.24	16.50
3/19/2020	3	66044800	36500	30098	10	12167	4010	51	17.00	12.24	3.47	58.49	17.00
3/23/2020	4	66101000	56200	30114	16	14050	4085	75	18.75	12.80	4.00	58.54	18.75
3/26/2020	3	66137700	36700	30125	10	12233	4138	53	17.67	11.77	3.47	58.81	17.67
3/31/2020	5	66212100	74400	30145	20	14880	4235	97	19.40	12.56	4.06	61.08	19.40
4/3/2020	3	66252600	40500	30156	11	13500	4288	53	17.67	12.68	3.73	60.27	17.67
4/6/2020	3	66302500	49900	30170	14	16633	4352	64	21.33	13.13	4.67	59.40	21.33
4/9/2020	3	66345100	42600	30182	12	14200	4406	54	18.00	13.44	4.03	58.68	18.00
4/13/2020	4	66410000	64900	30201	19	16225	4488	82	20.50	13.76	4.70	57.54	20.50
4/16/2020	3	66450900	40900	30213	12	13633	4542	54	18.00	13.11	3.93	57.77	18.00
4/20/2020	4	66504300	53400	30228	16	13350	4611	69	17.25	13.48	3.88	57.42	17.25
4/23/2020	3	66542500	38200	30239	11	12733	4663	52	17.33	12.81	3.70	57.36	17.33
4/27/2020	4	66595200	52700	30255	15	13175	4734	71	17.75	12.93	3.83	57.41	17.75
4/29/2020	2	66618000	22800	30261	7	11400	4765	31	15.50	12.77	3.30	57.58	15.50
5/4/2020	5	66694700	76700	30286	24	15340	4861	96	19.20	15.19	4.86	52.61	19.20
5/7/2020	3	66734200	39500	30301	15	13167	4909	48	16.00	19.13	5.10	43.03	16.00
5/11/2020	4	66793100	58900	30326	25	14725	4972	63	15.75	23.62	6.20	39.58	15.75
5/14/2020	3	66835300	42200	30341	15	14067	5025	53	17.67	16.98	5.00	46.89	17.67
5/18/2020	4	66898400	63100	30362	21	15775	5099	74	18.50	17.27	5.33	49.37	18.50
5/20/2020	2	66920700	22300	30370	9	11150	5127	28	14.00	18.21	4.25	43.73	14.00
5/26/2020	6	67002600	81900	30402	31	13650	5230	103	17.17	18.23	5.22	43.61	17.17
5/28/2020	2	67029600	27000	30410	8	13500	5265	35	17.50	14.40	4.20	53.57	17.50
6/1/2020	4	67090900	61300	30429	19	15325	5344	79	19.75	14.20	4.68	54.63	19.75
6/4/2020	3	67136600	45700	30444	15	15233	5403	59	19.67	15.05	4.93	51.46	19.67

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6/8/2020	4	67198100	61500	30463	20	15375	5480	77	19.25	15.19	4.88	52.56	19.25
6/11/2020	3	67238400	40300	30476	13	13433	5535	55	18.33	14.29	4.37	51.27	18.33
6/15/2020	4	67307800	69400	30500	24	17350	5618	83	20.75	16.99	5.88	49.22	20.75
6/17/2020	2	67329900	22100	30507	8	11050	5647	29	14.50	15.52	3.75	49.11	14.50
6/22/2020	5	67384400	54500	30527	20	10900	5715	68	13.60	17.74	4.02	45.19	13.60
6/24/2020	2	67405100	20700	30536	8	10350	5740	25	12.50	19.68	4.10	42.07	12.50
6/29/2020	5	67457600	52500	30557	22	10500	5803	63	12.60	20.57	4.32	40.51	12.60
7/1/2020	2	67478600	21000	30566	9	10500	5823	20	10.00	26.70	4.45	39.33	10.00
7/6/2020	5	67545300	66700	30589	23	13340	5910	87	17.40	15.93	4.62	48.12	17.40
7/8/2020	2	67563100	17800	30595	6	8900	5933	23	11.50	16.43	3.15	47.09	11.50
7/13/2020	5	67621300	58200	30616	20	11640	6006	73	14.60	16.52	4.02	48.26	14.60
7/16/2020	3	67659300	38000	30629	14	12667	6053	47	15.67	17.49	4.57	46.23	15.67
7/20/2020	4	67712700	53400	30649	20	13350	6114	61	15.25	19.87	5.05	44.06	15.25
7/23/2020	3	67747200	34500	30663	14	11500	6154	40	13.33	20.55	4.57	41.97	13.33
7/27/2020	4	67796000	48800	30683	20	12200	6211	57	14.25	20.95	4.98	40.87	14.25
7/29/2020	2	67813100	17100	30690	7	8550	6232	21	10.50	20.00	3.50	40.71	10.50
8/3/2020	5	67875800	62700	30716	26	12540	6307	75	15.00	20.96	5.24	39.89	15.00
8/6/2020	3	67901200	25400	30725	9	8467	6341	34	11.33	16.06	3.03	46.52	11.33
8/10/2020	4	67942500	41300	30741	16	10325	6391	50	12.50	19.20	4.00	43.02	12.50
8/13/2020	3	67979800	37300	30757	16	12433	6435	44	14.67	21.55	5.27	39.35	14.67
8/17/2020	4	68027400	47600	30777	20	11900	6492	57	14.25	20.84	4.95	40.07	14.25
8/20/2020	3	68062200	34800	30792	15	11600	6532	40	13.33	22.05	4.90	39.46	13.33
8/24/2020	4	68124000	61800	30817	26	15450	6600	68	17.00	22.68	6.43	40.08	17.00
8/27/2020	3	68158900	34900	30831	14	11633	6672	72	24.00	11.67	4.67	41.55	24.00
8/31/2020	4	68212600	53700	30854	22	13425	6672	0	0.00	1344.00	5.60	39.96	0.00
9/3/2020	3	68244300	31700	30867	14	10567	6672	0	0.00	816.00	4.53	38.85	0.00
9/8/2020	5	68331300	87000	30909	41	17400	6672	0	0.00	2484.00	8.28	35.02	0.00
9/10/2020	2	68358800	27500	30922	13	13750	6672	0	0.00	798.00	6.65	34.46	0.00

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9/14/2020	4	68408700	49900	30940	18	12475	6672	0	0.00	1062.00	4.43	46.99	0.00
9/17/2020	3	68447300	38600	30955	15	12867	2	2	0.67	447.00	4.97	43.18	0.67
9/21/2020	4	68503400	56100	30975	21	14025	72	70	17.50	17.83	5.20	44.95	17.50
9/24/2020	3	68535700	32300	30987	11	10767	114	42	14.00	16.29	3.80	47.22	14.00
9/28/2020	4	68578000	42300	31003	16	10575	168	54	13.50	17.78	4.00	44.06	13.50
10/1/2020	3	68606900	28900	31013	10	9633	207	39	13.00	16.00	3.47	46.31	13.00
10/5/2020	4	68654800	47900	31031	18	11975	264	57	14.25	18.42	4.38	45.62	14.25
10/8/2020	3	68686200	31400	31043	12	10467	304	40	13.33	17.85	3.97	43.98	13.33
10/12/2020	4	68724100	37900	31055	12	9475	357	53	13.25	13.58	3.00	52.64	13.25
10/15/2020	3	68752400	28300	31064	9	9433	397	40	13.33	13.80	3.07	51.27	13.33
10/19/2020	4	68790700	38300	31076	13	9575	447	50	12.50	15.12	3.15	50.66	12.50
10/22/2020	3	68824300	33600	31088	12	11200	489	42	14.00	16.57	3.87	48.28	14.00
10/26/2020	4	68864600	40300	31102	14	10075	542	53	13.25	16.19	3.58	46.97	13.25
10/28/2020	2	68879300	14700	31107	5	7350	562	20	10.00	15.00	2.50	49.00	10.00
11/2/2020	5	68917000	37700	31121	14	7540	611	49	9.80	16.65	2.72	46.20	9.80
11/5/2020	3	68945200	28200	31132	11	9400	647	36	12.00	17.83	3.57	43.93	12.00
11/9/2020	4	68984600	39400	31147	16	9850	695	48	12.00	19.50	3.90	42.09	12.00
11/12/2020	3	69013000	28400	31159	11	9467	731	36	12.00	18.83	3.77	41.89	12.00
11/16/2020	4	69047700	34700	31174	15	8675	774	43	10.75	21.21	3.80	38.05	10.75
11/19/2020	3	69071500	23800	31210	37	7933	791	17	5.67	128.82	12.17	10.87	5.67
11/23/2020	4	69112100	40600	31223	13	10150	843	52	13.00	14.42	3.13	54.13	13.00
11/25/2020	2	69131800	19700	31229	6	9850	868	25	12.50	14.88	3.10	52.96	12.50
12/1/2020	6	69188400	56600	31248	19	9433	938	70	11.67	16.54	3.22	48.88	11.67
12/3/2020	2	69204800	16400	31254	6	8200	959	21	10.50	17.43	3.05	44.81	10.50
12/7/2020	4	69242500	37700	31269	14	9425	1006	47	11.75	18.26	3.58	43.94	11.75
12/10/2020	3	69270100	27600	31279	10	9200	1040	34	11.33	18.18	3.43	44.66	11.33
12/14/2020	4	69306400	36300	31290	11	9075	1089	49	12.25	13.71	2.80	54.02	12.25

PUMP STATUS REPORT FORM

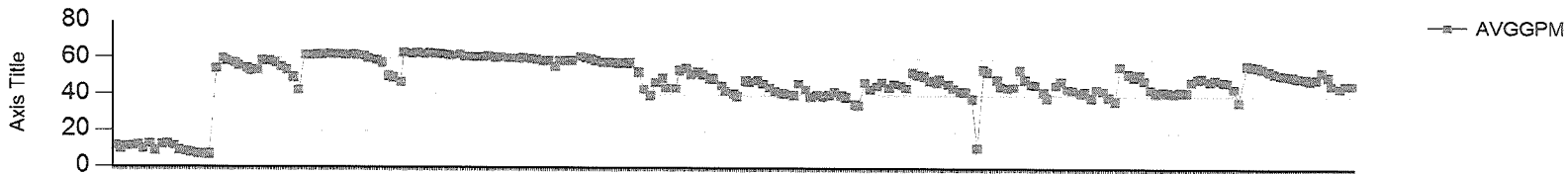
12/17/2020	3	69331900	25500	31299	9	8500	1122	33	11.00	15.82	2.90	48.85	11.00
12/21/2020	4	69361300	29400	31309	11	7350	1161	39	9.75	16.31	2.65	46.23	9.75
12/23/2020	2	69378600	17300	31316	6	8650	1182	21	10.50	18.00	3.15	45.77	10.50
12/28/2020	5	69430100	51500	31336	21	10300	1245	63	12.60	19.62	4.12	41.67	12.60
12/30/2020	2	69457100	27000	31348	12	13500	1274	29	14.50	24.21	5.85	38.46	14.50
1/4/2021	5	69502900	45800	31365	17	9160	1333	59	11.80	16.98	3.34	45.71	11.80
1/7/2021	3	69531700	28800	31375	10	9600	1372	39	13.00	15.38	3.33	48.00	13.00
1/11/2021	4	69566700	35000	31388	13	8750	1415	43	10.75	18.70	3.35	43.53	10.75
1/14/2021	3	69592200	25500	31398	10	8500	1447	32	10.67	18.56	3.30	42.93	10.67
1/19/2021	5	69635600	43400	31416	18	8680	1501	54	10.80	19.44	3.50	41.33	10.80
1/21/2021	2	69650200	14600	31421	6	7300	1520	19	9.50	18.32	2.90	41.95	9.50
1/25/2021	4	69682700	32500	31435	14	8125	1559	39	9.75	21.54	3.50	38.69	9.75
1/28/2021	3	69707300	24600	31445	9	8200	1591	32	10.67	17.63	3.13	43.62	10.67
2/1/2021	4	69741100	33800	31458	13	8450	1633	42	10.50	18.86	3.30	42.68	10.50
2/4/2021	3	69763400	22300	31467	10	7433	1662	29	9.67	19.66	3.17	39.12	9.67
2/8/2021	4	69794600	31200	31482	14	7800	1701	39	9.75	21.69	3.53	36.88	9.75
2/11/2021	3	69818000	23400	31489	7	7800	1733	32	10.67	13.13	2.33	55.71	10.67
2/16/2021	5	69858000	40000	31501	13	8000	1788	55	11.00	13.96	2.56	52.08	11.00
2/19/2021	3	69882500	24500	31509	8	8167	1820	32	10.67	15.19	2.70	50.41	10.67
2/22/2021	3	69907000	24500	31517	8	8167	1852	32	10.67	14.81	2.63	51.69	10.67
2/25/2021	3	69932000	25000	31526	9	8333	1885	33	11.00	15.64	2.87	48.45	11.00
3/1/2021	4	69967500	35500	31540	14	8875	1930	45	11.25	18.27	3.43	43.19	11.25
3/4/2021	3	69989100	21600	31548	9	7200	1958	28	9.33	18.64	2.90	41.38	9.33
3/8/2021	4	70031500	42400	31565	17	10600	2001	43	10.75	23.44	4.20	42.06	10.75
3/11/2021	3	70056400	24900	31575	10	8300	2031	30	10.00	20.00	3.33	41.50	10.00
3/15/2021	4	70093300	36900	31590	15	9225	2077	46	11.50	19.43	3.73	41.28	11.50
3/18/2021	3	70119600	26300	31601	11	8767	2109	32	10.67	19.69	3.50	41.75	10.67
3/22/2021	4	70155800	36200	31615	15	9050	2153	44	11.00	19.77	3.63	41.61	11.00

PUMP STATUS REPORT FORM

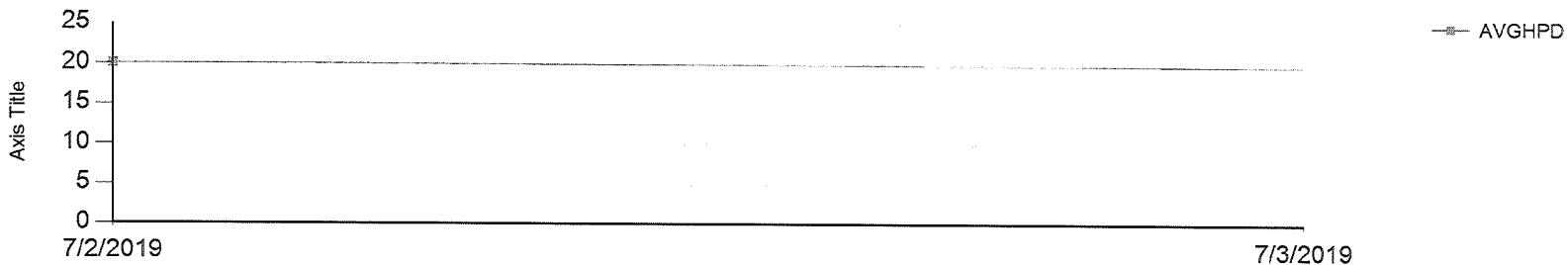
3/25/2021	3	70184700	28900	31625	10	9633	2190	37	12.33	16.38	3.37	47.69	12.33
3/29/2021	4	70224100	39400	31638	13	9850	2241	51	12.75	15.65	3.33	49.37	12.75
3/31/2021	2	70243200	19100	31645	6	9550	2265	24	12.00	16.00	3.20	49.74	12.00
4/5/2021	5	70293900	50700	31662	18	10140	2329	64	12.80	16.50	3.52	48.01	12.80
4/8/2021	3	70323800	29900	31673	10	9967	2365	36	12.00	17.00	3.40	48.86	12.00
4/13/2021	5	70375700	51900	31691	18	10380	2427	62	12.40	17.52	3.62	47.79	12.40
4/15/2021	2	70396400	20700	31698	7	10350	2454	27	13.50	16.22	3.65	47.26	13.50
4/19/2021	4	70478300	81900	31729	31	20475	2532	78	19.50	23.92	7.78	43.89	19.50
4/22/2021	3	70548100	69800	31761	32	23267	2588	56	18.67	34.18	10.63	36.47	18.67
4/27/2021	5	70596800	48700	31775	14	9740	2649	61	12.20	14.07	2.86	56.76	12.20
4/30/2021	3	70626400	29600	31784	9	9867	2688	39	13.00	13.54	2.93	56.06	13.00
5/3/2021	3	70661500	35100	31795	11	11700	2732	44	14.67	14.32	3.50	55.71	14.67
5/6/2021	3	70731600	70100	31816	21	23367	2805	73	24.33	17.51	7.10	54.85	24.33
5/10/2021	4	70772500	40900	31829	13	10225	2856	51	12.75	14.94	3.18	53.67	12.75
5/13/2021	3	70835200	62700	31849	20	20900	2922	66	22.00	18.09	6.63	52.51	22.00
5/17/2021	4	70881800	46600	31864	15	11650	2979	57	14.25	15.79	3.75	51.78	14.25
5/19/2021	2	70913500	31700	31874	10	15850	3015	36	18.00	17.17	5.15	51.29	18.00
5/24/2021	5	70973500	60000	31894	20	12000	3088	73	14.60	16.19	3.94	50.76	14.60
5/27/2021	3	71019600	46100	31909	15	15367	3138	50	16.67	18.48	5.13	49.89	16.67
6/1/2021	5	71078600	59000	31929	20	11800	3212	74	14.80	16.05	3.96	49.66	14.80
6/3/2021	2	71112500	33900	31940	12	16950	3249	37	18.50	18.81	5.80	48.71	18.50
6/7/2021	4	71179700	67200	31963	23	16800	3323	74	18.50	18.41	5.68	49.34	18.50
6/10/2021	3	71241000	61300	31982	19	20433	3391	68	22.67	16.94	6.40	53.21	22.67
6/14/2021	4	71296800	55800	32001	18	13950	3458	67	16.75	16.39	4.58	50.82	16.75
6/16/2021	2	71346900	50100	32019	18	25050	3501	43	21.50	25.40	9.10	45.88	21.50
6/21/2021	5	71423600	76700	32048	29	15340	3584	83	16.60	20.82	5.76	44.39	16.60
6/24/2021	3	71467100	43500	32063	16	14500	3632	48	16.00	19.75	5.27	45.89	16.00
6/28/2021	4	71517200	50100	32082	18	12525	3690	58	14.50	18.83	4.55	45.88	14.50

PUMP STATUS REPORT FORM

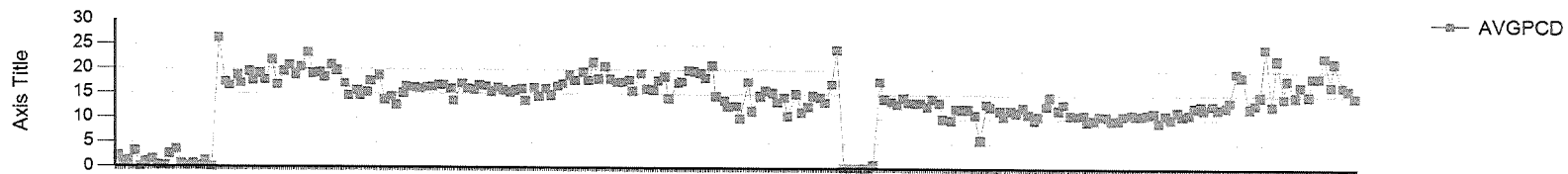
Average Gallons per Minute



Average Hours per Day



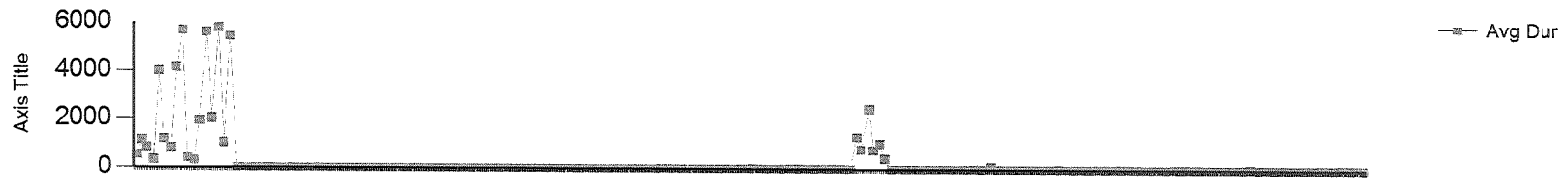
Average Pump Cycles per Day



Reading Date

PUMP STATUS REPORT FORM

Average Duration



Reading Date

PUMP STATUS REPORT FORM

WATER SYSTEM NAME: Spring Shores
 PWS ID #: NC 01-49-138
 WELL NO: Well-1

 WELL PUMP: _____
 BOOSTER PUMP: _____

TANK #1 _____ TANK #2 _____
 TYPE _____ TYPE _____
 TOTAL CAPACITY _____ TOTAL CAPACITY _____
 OPERATING PRESSURE _____ OPERATING PRESSURE _____

Date Read	No. Days	Master Meter Reading	Gallons Pumped	Time Meter Reading	Total Hrs. Oper	GPD Pumped	Impulse Meter Reading	Impulse Meter Count	Avg. Pump Cycles / Day	Avg. Dur (mins)	Hrs / Day	Avg. GPM	Avg Water Pumped / Cycle (gals)	Sodium Hypchlorite Added (gals)	Orthophosphate Added (oz)	Sodium Hydroxide Added (gals)
7/2/2019	5	2634450	3130	983	2	626	60826	569	113.80	0.19	0.36	28.98	113.80			
7/5/2019	3	2636130	1680	984	1	560	61133	307	102.33	0.18	0.30	0.00	102.33			
7/8/2019	3	2638470	2340	985	1	780	61557	424	141.33	0.18	0.43	30.00	141.33			
7/12/2019	4	2640240	1770	986	1	443	61869	312	78.00	0.19	0.25	29.50	78.00			
7/15/2019	3	2642830	2590	988	2	863	62317	448	149.33	0.20	0.50	28.78	149.33			
7/18/2019	3	2647810	4980	990	3	1660	63011	694	231.33	0.22	0.87	31.92	231.33			
7/22/2019	4	2652400	4590	993	3	1148	63818	807	201.75	0.19	0.65	29.42	201.75			
7/25/2019	3	2655670	3270	995	2	1090	64445	627	209.00	0.17	0.60	30.28	209.00			
7/29/2019	4	2658920	3250	997	2	813	65058	613	153.25	0.18	0.45	30.09	153.25			
8/1/2019	3	2660400	1480	998	1	493	65331	273	91.00	0.20	0.30	0.00	91.00			
8/5/2019	4	2660690	290	998	0	73	65385	54	13.50	0.11	0.03	0.00	13.50			
8/8/2019	3	2663200	2510	999	2	837	65850	465	155.00	0.19	0.50	27.89	155.00			
8/12/2019	4	2667460	4260	1001	2	1065	66644	794	198.50	0.17	0.58	30.87	198.50			
8/15/2019	3	2668440	980	1002	1	327	66825	181	60.33	0.20	0.20	0.00	60.33			
8/19/2019	4	2672480	4040	1004	2	1010	67580	755	188.75	0.18	0.58	29.28	188.75			
8/22/2019	3	2675370	2890	1006	2	963	68135	555	185.00	0.17	0.53	30.10	185.00			

PUMP STATUS REPORT FORM

8/26/2019	4	2688630	13260	1013	8	3315	70749	2614	653.50	0.17	1.88	29.47	653.50
8/30/2019	4	2690410	1780	1014	1	445	71080	331	82.75	0.18	0.25	29.67	82.75
9/3/2019	4	2690420	10	1014	0	3	71081	1	0.25	0.00	0.00	#Error	0.25
9/5/2019	2	2690450	30	1014	0	15	71087	6	3.00	0.00	0.00	#Error	3.00
9/10/2019	5	2690760	310	1015	0	62	71141	54	10.80	0.22	0.04	0.00	10.80
9/12/2019	2	2690870	110	1015	0	55	71160	19	9.50	0.00	0.00	#Error	9.50
9/17/2019	5	2691850	980	1015	1	196	71292	132	26.40	0.27	0.12	0.00	26.40
9/19/2019	2	2691880	30	1015	0	15	71297	5	2.50	0.00	0.00	#Error	2.50
9/23/2019	4	2693670	1790	1016	1	448	71332	35	8.75	1.89	0.28	27.12	8.75
9/26/2019	3	2693670	0	1016	0	0	71332	0	0.00	0.00	0.00	#Error	0.00
9/30/2019	4	2693730	60	1016	0	15	71341	9	2.25	0.00	0.00	#Error	2.25
10/3/2019	3	2693810	80	1016	0	27	71354	13	4.33	0.00	0.00	#Error	4.33
10/7/2019	4	2693810	0	1016	0	0	71354	0	0.00	0.00	0.00	#Error	0.00
10/10/2019	3	2693810	0	1016	0	0	71354	0	0.00	0.00	0.00	#Error	0.00
10/14/2019	4	2695470	1660	1017	1	415	71457	103	25.75	0.52	0.23	0.00	25.75
10/17/2019	3	2695530	60	1017	0	20	71466	9	3.00	0.00	0.00	#Error	3.00
10/21/2019	4	2695530	0	1017	0	0	71467	1	0.25	0.00	0.00	#Error	0.25
10/24/2019	3	2695530	0	1017	0	0	71467	0	0.00	0.00	0.00	#Error	0.00
10/28/2019	4	2695530	0	1017	0	0	71467	0	0.00	0.00	0.00	#Error	0.00
10/31/2019	3	2695530	0	1017	0	0	71467	0	0.00	0.00	0.00	#Error	0.00
11/4/2019	4	2695530	0	1017	0	0	71467	0	0.00	0.00	0.00	#Error	0.00
11/7/2019	3	2695530	0	1017	0	0	71467	0	0.00	0.00	0.00	#Error	0.00
11/12/2019	5	2695610	80	1017	0	16	71467	0	0.00	0.00	0.00	#Error	0.00
11/14/2019	2	2696090	480	1018	0	240	71468	1	0.50	18.00	0.15	0.00	0.50
11/19/2019	5	2696090	0	1018	0	0	71468	0	0.00	0.00	0.00	#Error	0.00
11/21/2019	2	2696090	0	1018	0	0	71468	0	0.00	0.00	0.00	#Error	0.00
11/25/2019	4	2696090	0	1018	0	0	71468	0	0.00	0.00	0.00	#Error	0.00

PUMP STATUS REPORT FORM

11/27/2019	2	2696090	0	1018	0	0	71468	0	0.00	0.00	0.00	#Error	0.00
12/2/2019	5	2696090	0	1018	0	0	71468	0	0.00	0.00	0.00	#Error	0.00
12/5/2019	3	2696850	760	1018	0	253	71517	49	16.33	0.49	0.13	0.00	16.33
12/9/2019	4	2697250	400	1018	0	100	71587	70	17.50	0.17	0.05	0.00	17.50
12/12/2019	3	2697640	390	1018	0	130	71587	0	0.00	12.00	0.07	0.00	0.00
12/16/2019	4	2697640	0	1018	0	0	71587	0	0.00	0.00	0.00	#Error	0.00
12/18/2019	2	2698700	1060	1019	1	530	71714	127	63.50	0.28	0.30	0.00	63.50
12/23/2019	5	2698700	0	1019	0	0	71714	0	0.00	0.00	0.00	#Error	0.00
12/26/2019	3	2699300	600	1019	0	200	71716	2	0.67	9.00	0.10	0.00	0.67
12/30/2019	4	2699300	0	1019	0	0	71716	0	0.00	0.00	0.00	#Error	0.00
1/2/2020	3	2699300	0	1019	0	0	71716	0	0.00	0.00	0.00	#Error	0.00
1/6/2020	4	2699850	550	1019	0	138	71717	1	0.25	12.00	0.05	0.00	0.25
1/9/2020	3	2700990	1140	1020	1	380	71719	2	0.67	15.00	0.17	0.00	0.67
1/13/2020	4	2700990	0	1020	0	0	71719	0	0.00	0.00	0.00	#Error	0.00
1/15/2020	2	2700990	0	1020	0	0	71719	0	0.00	0.00	0.00	#Error	0.00
1/20/2020	5	2700990	0	1020	0	0	71719	0	0.00	0.00	0.00	#Error	0.00
1/23/2020	3	2702000	1010	1020	1	337	71720	1	0.33	30.00	0.17	0.00	0.33
1/27/2020	4	2702000	0	1020	0	0	71720	0	0.00	0.00	0.00	#Error	0.00
1/30/2020	3	2702470	470	1021	0	157	71721	1	0.33	12.00	0.07	0.00	0.33
2/3/2020	4	2702470	0	1021	0	0	71721	0	0.00	0.00	0.00	#Error	0.00
2/6/2020	3	2703200	730	1021	0	243	71723	2	0.67	9.00	0.10	0.00	0.67
2/10/2020	4	2705260	2060	1022	1	515	71807	84	21.00	0.64	0.23	0.00	21.00
2/13/2020	3	2705260	0	1022	0	0	71807	0	0.00	0.00	0.00	#Error	0.00
2/17/2020	4	2705260	0	1022	0	0	71807	0	0.00	0.00	0.00	#Error	0.00
2/20/2020	3	2706190	930	1022	1	310	71808	1	0.33	30.00	0.17	0.00	0.33
2/24/2020	4	2706190	0	1022	0	0	71808	0	0.00	0.00	0.00	#Error	0.00
2/26/2020	2	2706920	730	1023	0	365	71809	1	0.50	18.00	0.15	0.00	0.50

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3/2/2020	5	2706920	0	1023	0	0	71809	0	0.00	0.00	0.00	#Error	0.00
3/5/2020	3	2708210	1290	1023	1	430	71920	111	37.00	0.38	0.23	0.00	37.00
3/9/2020	4	2708210	0	1023	0	0	71920	0	0.00	0.00	0.00	#Error	0.00
3/12/2020	3	2708210	0	1023	0	0	71920	0	0.00	0.00	0.00	#Error	0.00
3/16/2020	4	2709520	1310	1024	1	328	71985	65	16.25	0.55	0.15	0.00	16.25
3/19/2020	3	2709520	0	1024	0	0	71985	0	0.00	0.00	0.00	#Error	0.00
3/23/2020	4	2709520	0	1024	0	0	71985	0	0.00	0.00	0.00	#Error	0.00
3/26/2020	3	2709520	0	1024	0	0	71985	0	0.00	0.00	0.00	#Error	0.00
3/31/2020	5	2709520	0	1024	0	0	71985	0	0.00	0.00	0.00	#Error	0.00
4/3/2020	3	2709520	0	1024	0	0	71985	0	0.00	0.00	0.00	#Error	0.00
4/6/2020	3	2709520	0	1024	0	0	71985	0	0.00	0.00	0.00	#Error	0.00
4/9/2020	3	2709520	0	1024	0	0	71985	0	0.00	0.00	0.00	#Error	0.00
4/13/2020	4	2710310	790	1024	0	198	71986	1	0.25	18.00	0.08	0.00	0.25
4/16/2020	3	2710310	0	1024	0	0	71986	0	0.00	0.00	0.00	#Error	0.00
4/20/2020	4	2710310	0	1024	0	0	71986	0	0.00	0.00	0.00	#Error	0.00
4/23/2020	3	2711270	960	1025	0	320	71987	1	0.33	24.00	0.13	0.00	0.33
4/27/2020	4	2712820	1550	1025	1	388	72058	71	17.75	0.68	0.20	0.00	17.75
4/29/2020	2	2712820	0	1025	0	0	72058	0	0.00	0.00	0.00	#Error	0.00
5/4/2020	5	2712820	0	1025	0	0	72058	0	0.00	0.00	0.00	#Error	0.00
5/7/2020	3	2713620	800	1026	0	267	72059	1	0.33	24.00	0.13	0.00	0.33
5/11/2020	4	2713620	0	1026	0	0	72059	0	0.00	0.00	0.00	#Error	0.00
5/14/2020	3	2714490	870	1026	0	290	72060	1	0.33	24.00	0.13	0.00	0.33
5/18/2020	4	2714490	0	1026	0	0	72060	0	0.00	0.00	0.00	#Error	0.00
5/20/2020	2	2714490	0	1026	0	0	72060	0	0.00	0.00	0.00	#Error	0.00
5/26/2020	6	2714490	0	1026	0	0	72060	0	0.00	0.00	0.00	#Error	0.00
5/28/2020	2	2715330	840	1027	0	420	72061	1	0.50	18.00	0.15	0.00	0.50
6/1/2020	4	2715330	0	1027	0	0	72061	0	0.00	0.00	0.00	#Error	0.00
6/4/2020	3	2716480	1150	1027	1	383	72062	1	0.33	30.00	0.17	0.00	0.33

PUMP STATUS REPORT FORM

6/8/2020	4	2716480	0	1027	0	0	72062	0	0.00	0.00	0.00	#Error	0.00
6/11/2020	3	2717780	1300	1028	1	433	72063	1	0.33	36.00	0.20	0.00	0.33
6/15/2020	4	2717780	0	1028	0	0	72064	1	0.25	0.00	0.00	#Error	0.25
6/17/2020	2	2717780	0	1028	0	0	72064	0	0.00	0.00	0.00	#Error	0.00
6/22/2020	5	2717780	0	1028	0	0	72064	0	0.00	0.00	0.00	#Error	0.00
6/24/2020	2	2718570	790	1028	0	395	72065	1	0.50	18.00	0.15	0.00	0.50
6/29/2020	5	2718570	0	1028	0	0	72065	0	0.00	0.00	0.00	#Error	0.00
7/1/2020	2	2718570	0	1028	0	0	72065	0	0.00	0.00	0.00	#Error	0.00
7/6/2020	5	2718570	0	1028	0	0	72065	0	0.00	0.00	0.00	#Error	0.00
7/8/2020	2	2719240	670	1028	0	335	72066	1	0.50	18.00	0.15	0.00	0.50
7/13/2020	5	2719240	0	1028	0	0	72066	0	0.00	0.00	0.00	#Error	0.00
7/16/2020	3	2719960	720	1029	0	240	72067	1	0.33	18.00	0.10	0.00	0.33
7/20/2020	4	2719960	0	1029	0	0	72067	0	0.00	0.00	0.00	#Error	0.00
7/23/2020	3	2721740	1780	1029	1	593	72142	75	25.00	0.64	0.27	0.00	25.00
7/27/2020	4	2721740	0	1029	0	0	72142	0	0.00	0.00	0.00	#Error	0.00
7/29/2020	2	2722650	910	1030	0	455	72143	1	0.50	24.00	0.20	0.00	0.50
8/3/2020	5	2722650	0	1030	0	0	72143	0	0.00	0.00	0.00	#Error	0.00
8/6/2020	3	2722650	0	1030	0	0	72143	0	0.00	0.00	0.00	#Error	0.00
8/10/2020	4	2722980	330	1030	0	83	72144	1	0.25	6.00	0.03	0.00	0.25
8/13/2020	3	2722980	0	1030	0	0	72144	0	0.00	0.00	0.00	#Error	0.00
8/17/2020	4	2722980	0	1030	0	0	72144	0	0.00	0.00	0.00	#Error	0.00
8/20/2020	3	2723460	480	1030	0	160	72145	1	0.33	12.00	0.07	0.00	0.33
8/24/2020	4	2723460	0	1030	0	0	72145	0	0.00	0.00	0.00	#Error	0.00
8/27/2020	3	2723460	0	1030	0	0	72145	0	0.00	0.00	0.00	#Error	0.00
8/31/2020	4	2725320	1860	1031	1	465	72318	173	43.25	0.35	0.25	31.00	43.25
9/3/2020	3	2725320	0	1031	0	0	72318	0	0.00	0.00	0.00	#Error	0.00
9/8/2020	5	2725320	0	1031	0	0	72318	0	0.00	0.00	0.00	#Error	0.00
9/10/2020	2	2725320	0	1031	0	0	72318	0	0.00	0.00	0.00	#Error	0.00

PUMP STATUS REPORT FORM

9/14/2020	4	2726140	820	1031	0	205	72319	1	0.25	18.00	0.08	0.00	0.25
9/17/2020	3	2726140	0	1031	0	0	72319	0	0.00	0.00	0.00	#Error	0.00
9/21/2020	4	2726140	0	1031	0	0	72319	0	0.00	0.00	0.00	#Error	0.00
9/24/2020	3	2726140	0	1031	0	0	72319	0	0.00	0.00	0.00	#Error	0.00
9/28/2020	4	2727180	1040	1032	1	260	72320	1	0.25	30.00	0.13	0.00	0.25
10/1/2020	3	2727180	0	1032	0	0	72320	0	0.00	0.00	0.00	#Error	0.00
10/5/2020	4	2727180	0	1032	0	0	72320	0	0.00	0.00	0.00	#Error	0.00
10/8/2020	3	2727180	0	1032	0	0	72320	0	0.00	0.00	0.00	#Error	0.00
10/12/2020	4	2728650	1470	1032	1	368	72321	1	0.25	36.00	0.15	0.00	0.25
10/15/2020	3	2728650	0	1032	0	0	72321	0	0.00	0.00	0.00	#Error	0.00
10/19/2020	4	2728650	0	1032	0	0	72321	0	0.00	0.00	0.00	#Error	0.00
10/22/2020	3	2729530	880	1033	0	293	72323	2	0.67	12.00	0.13	0.00	0.67
10/26/2020	4	2729530	0	1033	0	0	72323	0	0.00	0.00	0.00	#Error	0.00
10/28/2020	2	2729530	0	1033	0	0	72323	0	0.00	0.00	0.00	#Error	0.00
11/2/2020	5	2733340	3810	1035	2	762	72417	94	18.80	1.09	0.34	37.35	18.80
11/5/2020	3	2733340	0	1035	0	0	72417	0	0.00	0.00	0.00	#Error	0.00
11/9/2020	4	2733340	0	1035	0	0	72417	0	0.00	0.00	0.00	#Error	0.00
11/12/2020	3	2734270	930	1035	0	310	72418	1	0.33	18.00	0.10	0.00	0.33
11/16/2020	4	2734270	0	1035	0	0	72418	0	0.00	0.00	0.00	#Error	0.00
11/19/2020	3	2734270	0	1035	0	0	72418	0	0.00	0.00	0.00	#Error	0.00
11/23/2020	4	2734270	0	1035	0	0	72418	0	0.00	0.00	0.00	#Error	0.00
11/25/2020	2	2734270	0	1035	0	0	72418	0	0.00	0.00	0.00	#Error	0.00
12/1/2020	6	2734270	0	1035	0	0	72418	0	0.00	0.00	0.00	#Error	0.00
12/3/2020	2	2734270	0	1035	0	0	72418	0	0.00	0.00	0.00	#Error	0.00
12/7/2020	4	2734270	0	1035	0	0	72418	0	0.00	0.00	0.00	#Error	0.00
12/10/2020	3	2735380	1110	1035	1	370	72419	1	0.33	30.00	0.17	0.00	0.33
12/14/2020	4	2735380	0	1035	0	0	72419	0	0.00	0.00	0.00	#Error	0.00

PUMP STATUS REPORT FORM

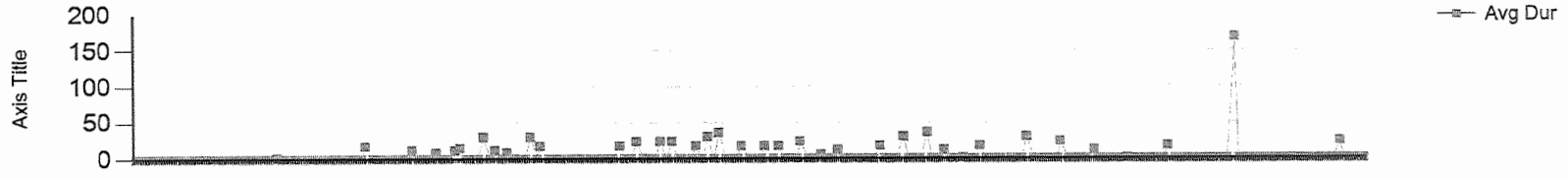
12/17/2020	3	2735380	0	1035	0	0	72419	0	0.00	0.00	0.00	#Error	0.00
12/21/2020	4	2735380	0	1035	0	0	72419	0	0.00	0.00	0.00	#Error	0.00
12/23/2020	2	2735380	0	1035	0	0	72419	0	0.00	0.00	0.00	#Error	0.00
12/28/2020	5	2735380	0	1035	0	0	72419	0	0.00	0.00	0.00	#Error	0.00
12/30/2020	2	2736240	860	1036	0	430	72420	1	0.50	24.00	0.20	0.00	0.50
1/4/2021	5	2736240	0	1036	0	0	72420	0	0.00	0.00	0.00	#Error	0.00
1/7/2021	3	2736240	0	1036	0	0	72420	0	0.00	0.00	0.00	#Error	0.00
1/11/2021	4	2736240	0	1036	0	0	72420	0	0.00	0.00	0.00	#Error	0.00
1/14/2021	3	2736240	0	1036	0	0	72420	0	0.00	0.00	0.00	#Error	0.00
1/19/2021	5	2737270	1030	1036	0	206	72422	2	0.40	12.00	0.08	0.00	0.40
1/21/2021	2	2737270	0	1036	0	0	72422	0	0.00	0.00	0.00	#Error	0.00
1/25/2021	4	2737270	0	1036	0	0	72422	0	0.00	0.00	0.00	#Error	0.00
1/28/2021	3	2737270	0	1036	0	0	72422	0	0.00	0.00	0.00	#Error	0.00
2/1/2021	4	2737270	0	1036	0	0	72422	0	0.00	0.00	0.00	#Error	0.00
2/4/2021	3	2737270	0	1036	0	0	72422	0	0.00	0.00	0.00	#Error	0.00
2/8/2021	4	2740070	2800	1037	1	700	72502	80	20.00	0.98	0.33	35.90	20.00
2/11/2021	3	2740070	0	1037	0	0	72502	0	0.00	0.00	0.00	#Error	0.00
2/16/2021	5	2740070	0	1037	0	0	72502	0	0.00	0.00	0.00	#Error	0.00
2/19/2021	3	2740070	0	1037	0	0	72502	0	0.00	0.00	0.00	#Error	0.00
2/22/2021	3	2740070	0	1037	0	0	72502	0	0.00	0.00	0.00	#Error	0.00
2/25/2021	3	2740070	0	1037	0	0	72502	0	0.00	0.00	0.00	#Error	0.00
3/1/2021	4	2740070	0	1037	0	0	72502	0	0.00	0.00	0.00	#Error	0.00
3/4/2021	3	2740970	900	1038	0	300	72503	1	0.33	18.00	0.10	0.00	0.33
3/8/2021	4	2740970	0	1038	0	0	72503	0	0.00	0.00	0.00	#Error	0.00
3/11/2021	3	2740970	0	1038	0	0	72503	0	0.00	0.00	0.00	#Error	0.00
3/15/2021	4	2740970	0	1038	0	0	72503	0	0.00	0.00	0.00	#Error	0.00
3/18/2021	3	2740970	0	1038	0	0	72503	0	0.00	0.00	0.00	#Error	0.00
3/22/2021	4	2740970	0	1038	0	0	72503	0	0.00	0.00	0.00	#Error	0.00

PUMP STATUS REPORT FORM

3/25/2021	3	2740970	0	1038	0	0	72503	0	0.00	0.00	0.00	#Error	0.00
3/29/2021	4	2742600	1630	1039	1	408	72695	192	48.00	0.28	0.23	0.00	48.00
3/31/2021	2	2742600	0	1039	0	0	72695	0	0.00	0.00	0.00	#Error	0.00
4/5/2021	5	2742600	0	1039	0	0	72695	0	0.00	0.00	0.00	#Error	0.00
4/8/2021	3	2742600	0	1039	0	0	72695	0	0.00	0.00	0.00	#Error	0.00
4/13/2021	5	2749070	6470	1041	3	1294	72696	1	0.20	168.00	0.56	38.51	0.20
4/15/2021	2	2749070	0	1041	0	0	72696	0	0.00	0.00	0.00	#Error	0.00
4/19/2021	4	2749070	0	1041	0	0	72696	0	0.00	0.00	0.00	#Error	0.00
4/22/2021	3	2749070	0	1041	0	0	72696	0	0.00	0.00	0.00	#Error	0.00
4/27/2021	5	2749070	0	1041	0	0	72696	0	0.00	0.00	0.00	#Error	0.00
4/30/2021	3	2749070	0	1041	0	0	72696	0	0.00	0.00	0.00	#Error	0.00
5/3/2021	3	2749070	0	1041	0	0	72696	0	0.00	0.00	0.00	#Error	0.00
5/6/2021	3	2749070	0	1041	0	0	72696	0	0.00	0.00	0.00	#Error	0.00
5/10/2021	4	2749070	0	1041	0	0	72696	0	0.00	0.00	0.00	#Error	0.00
5/13/2021	3	2749070	0	1041	0	0	72696	0	0.00	0.00	0.00	#Error	0.00
5/17/2021	4	2751040	1970	1042	1	493	72782	86	21.50	0.63	0.23	0.00	21.50
5/19/2021	2	2751040	0	1042	0	0	72782	0	0.00	0.00	0.00	#Error	0.00
5/24/2021	5	2751040	0	1042	0	0	72782	0	0.00	0.00	0.00	#Error	0.00
5/27/2021	3	2751040	0	1042	0	0	72782	0	0.00	0.00	0.00	#Error	0.00
6/1/2021	5	2751040	0	1042	0	0	72782	0	0.00	0.00	0.00	#Error	0.00
6/3/2021	2	2751040	0	1042	0	0	72782	0	0.00	0.00	0.00	#Error	0.00
6/7/2021	4	2751040	0	1042	0	0	72782	0	0.00	0.00	0.00	#Error	0.00
6/10/2021	3	2751040	0	1042	0	0	72785	3	1.00	0.00	0.00	#Error	1.00
6/14/2021	4	2751960	920	1043	0	230	72785	0	0.00	24.00	0.10	0.00	0.00
6/16/2021	2	2751960	0	1043	0	0	72785	0	0.00	0.00	0.00	#Error	0.00
6/21/2021	5	2751960	0	1043	0	0	72785	0	0.00	0.00	0.00	#Error	0.00
6/24/2021	3	2751960	0	1043	0	0	72785	0	0.00	0.00	0.00	#Error	0.00
6/28/2021	4	2751960	0	1043	0	0	72785	0	0.00	0.00	0.00	#Error	0.00

PUMP STATUS REPORT FORM

Average Duration



APPENDIX C

SPRING SHORES

G. ORIGINAL 24-HOUR PUMP TEST FOR EACH WELL

SPRING SECRES
10-1-79 & 10-2-79

<u>TIME</u>	<u>GPM</u>	<u>WATER LEVEL</u>
10:00	37	31'
10:05	50	51'
10:10	"	52'
10:15	"	52'
10:20	"	53'
10:25	"	53'
10:30	"	54'
10:45	"	55'
11:00	"	55'
11:15	"	56'
11:30	"	56'
12:00 (Noon)	"	56'
1:00	"	57'
2:00	"	58'
3:00	"	59'
4:00	"	60'
5:00	"	60'
6:00	"	60'
7:00	60	60'
8:00	79	61'
9:00	"	61'
10:00	"	62'
11:00	"	62'
12:00 (Midnight)	"	62'
1:00	"	63'
2:00	"	63'
3:00	"	63'
4:00	"	63'
5:00	"	64'
6:00	"	"
7:00	"	"
8:00	"	"
9:00	"	"
10:00	79	64'

End of Pump Test

<u>RECOVERY</u>	
<u>TIME</u>	<u>WATER LEVEL</u>
10:00	64'
10:05	44'
10:10	43'
10:15	42½'
10:20	42'
10:25	41'
10:30	41'
10:40	40½'
10:50	40'
11:00	40'
11:15	39'
11:30	38'
11:45	37'
12:00	36'
End of Recovery	

Meter Start: 01626425
 Meter Stop: 01710715
 Pump Set: 147'
 H.P. 5

APPENDIX C

SPRING SHORES

- H. COPIES WITHIN THE LAST SIX MONTHS OF ALL AQUA NC EMAILS TO AND FROM PWSS, LETTERS TO AND FROM PWSS, REPORTS TO AND FROM PWSS, AND THE RECOMMENDATIONS OF PWSS REGARDING WATER QUALITY CONCERNS ON AQUA NC'S WATER SYSTEMS

THERE IS NO CORRESPONDENCE THAT CAN BE LOCATED WITHIN THE LAST SIX MONTHS WITH PWSS.