

**South Jersey
Water Test, LLC**

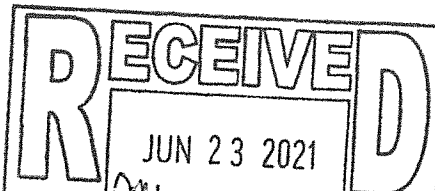
4077 South Black Horse Pike
Williamstown, NJ 08094

856-875-3506 Phone
856-875-3507 Fax

www.sjwatertest.com

NJ DEP Certified Lab #08006

OKP



New Jersey Private Well Water Test Reporting Form

The New Jersey Private Well Test Reporting Form is a standardized form to be used exclusively by laboratories reporting well test results to their client in accordance with the Private Well Testing Act Regulations N.J.A.C. 7:9E.

These laboratory analyses were completed for the purposes of complying with the Private Well Testing Act. In accordance with the Private Well Testing Act Regulations all analytical results except for coliform (total or E. coli) shall remain valid for a period of one year from the date of sample collection. All coliform (total or E. coli) analytical results shall remain valid for period of six months from the date of sample collection.

- ☐ Analytical results meet primary and secondary contaminant standards for drinking water
- ☐ One or more of the analytical results do not meet primary ¹ contaminant standards for drinking water
- ☒ One or more of the analytical results do not meet secondary ² contaminant standards for drinking water

CLIENT INFORMATION

Name: **Gordon Prochnow**

Date Test Requested: **06/07/2021**

Mailing Address & Phone #: **478 Ely Harmony Road Freehold, NJ 07728**

732-294-0688

PROPERTY INFORMATION

Property Address: **470 Ely Harmony Road**

Municipality: **Freehold Township**

County: **Monmouth**

Property Lot: **43**

Block: **101**

Muni Code (4 digit): **1317**

GPS Location- State Plane Coordinates (feet): (X) **528898** (Y) **495807**

GPS Coordinate Origin (Circle One): Well Head/ Front Door / Sample Collection Point/ Other (Explain):

NJ Well Permit or Well Record Number:

(if known)

LABORATORY INFORMATION

Reporting Laboratory Name & ID #: **South Jersey Water Test, LLC** Lab ID# **08006**

Reporting Laboratory Address & Phone #: **4077 South Black Horse Pike, Williamstown, NJ 08094 (856) 875-3506**

SAMPLE INFORMATION

Sample Collector Name: **Matthew Gardiner**

Authorized Representative/Certified Laboratory Employee Lab Certification ID #: **South Jersey Water Test, LLC** Lab ID# **08006**

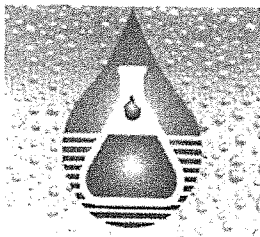
Sample Type: **NOTE: Only raw or untreated water samples meet the requirements of the PWTA regulations N.J.A.C. 7:9E.**

a.) Indicate Specific Location of Sample Collected: **Kitchen Tap - Raw Water**

b.) Type of Treatment Device(s) Installed (if known): **Present, devices and media unknown.**

¹ Primary Drinking Water contaminants are those contaminants that have Maximum Contaminant Levels (MCL) or Action Levels established to protect health. The Primary Drinking Water contaminants are coliform bacteria, nitrate (total), lead, the volatile organic compounds, arsenic, mercury, uranium, and gross alpha. The standards for primary contaminants are the maximum permissible levels allowed in drinking water based on ingesting the drinking water over the course of a lifetime.

² Secondary Drinking Water contaminants are those contaminants that have Recommended Upper Limits or Optimum Ranges established to protect against those properties that adversely affect the taste, odor, or appearance of drinking water. The Secondary Drinking Water contaminants required to be tested in accordance with the Private Well Testing Act (PWTA) Regulations are iron, manganese and pH.



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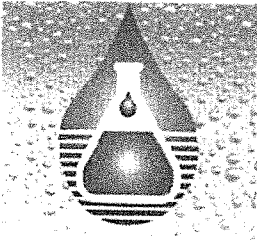
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SUMMARY OF WELL WATER TEST RESULTS

Required Test Parameters	Result	Units	Applicable Standard (Maximum Contaminant Level, Action Level or Recommended Limit)	Standard Exceeded (Y/N)	Laboratory Certification ID #	Analytical Method
Microbial Parameters						
Total Coliform	Absence	Pres/Abs	Absent	N	08006	SM 9223 B+UV
E. Coli 1	Absence	Pres/Abs	Absent	N	08006	SM 9223 B+UV
Metals						
Arsenic	<1.00	ug/L	5 ug/L	N	08006	SM3113B
Uranium 2		ug/L	30 ug/L			EPA 200.8
Mercury 3	<0.20	ug/L	2 ug/L	N	08006	EPA 245.1
Lead 4	<2.00	ug/L	5 ug/L	N	08006	SM3113B
Iron	0.91	mg/L	0.3 mg/L	YES	08006	SM3111B
Manganese	0.034	mg/L	0.05 mg/L	N	08006	SM3111B
General Chemistry						
pH	6.58	pH units	6.5-8.5 (optimum range)	N	08006	SM 4500 H+-B
Nitrate	<1000	ug/L	10,000 ug/L	N	08006	SM 4500 NO3 D
Volatile Organic Compounds						
Benzene	<0.50	ug/L	1 ug/L	N	08006	EPA 524.3
Carbon Tetrachloride	<0.50	ug/L	2 ug/L	N	08006	EPA 524.3
Chlorobenzene	<0.50	ug/L	50 ug/L	N	08006	EPA 524.3
Dichlorobenzene (1,2)	<0.50	ug/L	600 ug/L	N	08006	EPA 524.3
Dichlorobenzene (1,3)	<0.50	ug/L	600 ug/L	N	08006	EPA 524.3
Dichlorobenzene (1,4)	<0.50	ug/L	75 ug/L	N	08006	EPA 524.3
Dichloroethane (1,1)	<0.50	ug/L	50 ug/L	N	08006	EPA 524.3
Dichloroethane (1,2-)	<0.50	ug/L	2 ug/L	N	08006	EPA 524.3
Dichloroethene (1,1-)	<0.50	ug/L	2 ug/L	N	08006	EPA 524.3
Dichloroethene (cis-1,2-)	<0.50	ug/L	70 ug/L	N	08006	EPA 524.3
Dichloroethene (trans-1,2-)	<0.50	ug/L	100 ug/L	N	08006	EPA 524.3
Dichloropropane (1,2)	<0.50	ug/L	5 ug/L	N	08006	EPA 524.3
Ethylbenzene	<0.50	ug/L	700 ug/L	N	08006	EPA 524.3
Methylene Chloride	<0.50	ug/L	3 ug/L	N	08006	EPA 524.3
Methyl tertiary-butyl ether	<0.50	ug/L	70 ug/L	N	08006	EPA 524.3
Naphthalene	<0.50	ug/L	300 ug/L	N	08006	EPA 524.3
Styrene	<0.50	ug/L	100 ug/L	N	08006	EPA 524.3
Tetrachloroethane (1,1,2,2-)	<0.50	ug/L	1 ug/L	N	08006	EPA 524.3
Tetrachloroethene	<0.50	ug/L	1 ug/L	N	08006	EPA 524.3
Toluene	<0.50	ug/L	1,000 ug/L	N	08006	EPA 524.3
Trichlorobenzene (1,2,4-)	<0.50	ug/L	9 ug/L	N	08006	EPA 524.3
Trichloroethane (1,1,1-)	<0.50	ug/L	30 ug/L	N	08006	EPA 524.3
Trichloroethane (1,1,2-)	<0.50	ug/L	3 ug/L	N	08006	EPA 524.3
Trichloroethene	<0.50	ug/L	1 ug/L	N	08006	EPA 524.3
Vinyl Chloride	<0.50	ug/L	2 ug/L	N	08006	EPA 524.3
Xylenes (Total)	<0.50	ug/L	1000 ug/L	N	08006	EPA 524.3
Synthetic Organic Compounds						
Dibromo-3-Chloropropane (1,2) 8	<0.010	ug/L	0.200 ug/L	N	08006	EPA 524.3
Ethylene Dibromide 8	<0.010	ug/L	0.050 ug/L	N	08006	EPA 524.3
Trichloropropane (1,2,3-) 8	<0.010	ug/L	0.030 ug/L	N	08006	EPA 524.3
Radiological Parameters						
Gross Alpha (initial) 5	1.50 ± 1.56	pCi/L	5 pCi/L	N/A	03036	ECLS-R-GA RA
Gross Alpha (final)		pCi/L	15 pCi/L			ECLS-R-GA RA

UNITS:

Pres/Abs - presence or absence; ug/l = micrograms per liter (also known as parts per billion); mg/l = milligrams per liter (also known as parts per million); pCi/L = picocuries per liter; su = standard units.



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Footnotes for the Summary of Well Water Test Results table on page 2:

1 If total coliform bacteria are detected, then additional analyses are required to determine the specific type (E. coli) present. E. coli analysis is not required if total coliform sample results indicate the absence of total coliform bacteria.

2 Uranium analysis is required only in Bergen, Essex, Hudson, Hunterdon, Mercer, Middlesex, Morris, Passaic, Somerset, Sussex, Union and Warren Counties.

3 Mercury analysis is required only in Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Monmouth, Ocean, and Salem Counties.

4 The results of a "flushed" raw (untreated) water sample, which is required by the Private Well Testing Act (PWTa) regulations, should be compared to the Ground Water Quality Standard of 5 µg/L found at N.J.A.C. 7: 9-6 et seq. The Lead Action Level of 15 µg/L applies to a one liter first-draw tap sample collected from a cold-water kitchen or bathroom tap/sink in which the water has remained motionless in the plumbing system for at least six hours [40 CFR 141.86(b)(2)]. This type of standing-water sample is NOT required by the PWTa regulations.

5 If the Gross Alpha (first count) is less than 5 pCi/L, no further testing is needed. If the Gross Alpha (first count) exceeds 5 pCi/L a second count is required.

6 Uranium Alpha Activity can be estimated from the uranium mass concentration (µg/L) listed in the metals section of the table x 0.67 pCi/µg.

7 Adjusted Gross Alpha = Gross Alpha (pCi/L) - Uranium Alpha Activity (pCi/L). The MCL for Adjusted Gross Alpha is 15 pCi/L. An Adjusted Gross Alpha value should only be calculated when uranium is required/tested.

8 1,2,3, Trichloropropane (1,2,3 TCP), Ethylene Dibromide (EDB) and 1,2,-Dibromo-3-Chloropropane (DBCP) are required for all tests occurring on or after March 3, 2019.

ADDITIONAL SAMPLE INFORMATION

Coliform Analyses:

Date/Time Sample Collected: 06/14/2021 12:25 Date/Time Sample Analyzed: 06/15/2021 10:33 Sample ID Number: T108095

Volatile Organics:

Date/Time Sample Collected: 06/14/2021 12:25 Date/Time Sample Analyzed: 06/16/2021 23:52 Sample ID Number: T108095

Inorganics:

Date/Time Sample Collected: 06/14/2021 12:25 Date/Time Sample Analyzed: 06/16/2021 15:26 Sample ID Number: T108095

pH Analysis:

Date/Time Sample Collected: 06/14/2021 12:25 Date/Time Sample Analyzed: 06/14/2021 12:25 Sample ID Number: T108095

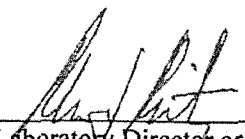
Gross Alpha Analysis:

Date/Time Sample Collected: 06/14/2021 12:25 Date/Time Sample Analyzed: 06/16/2021 09:08 Sample ID Number: T108095

Date(s) All Analyses Received by Reporting Lab from Subcontracted Lab (if applicable): 06/22/2021

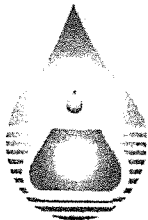
CERTIFICATION OF RESULT

I certify in writing that all sampling, analyses, and reporting performed herein, comply with all requirements set forth in N.J.A.C. 7:9E and N.J.A.C. 7:18, and hereby certify that this laboratory is in compliance with all laboratory certification and quality control procedures and requirements as set forth in N.J.A.C. 7:18.


Mark J. Riether, Laboratory Director or Designee

06/22/2021

Date



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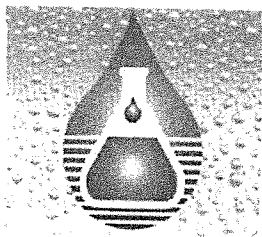
ADDITIONAL INFORMATION

I. Treatment Options

Listed below are the common treatment options available to homeowners having well contamination above a Maximum Contaminant Level, Action Level or Recommended Limit. The goal of water treatment is the removal of contaminants to levels below the Maximum Contaminant Level, Action Level or Recommended Limit. For additional information on home treatment devices contact your local/county health department or visit the Private Well Testing Act webpage at: https://www.nj.gov/dep/watersupply/pw_pwta.html. You may also call the USEPA Drinking Water Hotline at (800) 426-4791 to obtain a copy of USEPA's pamphlet entitled "Home Water Treatment Units." All treatment devices must be properly maintained in accordance with manufacturer recommendations to ensure operating efficiency in removing contaminants. As noted below, not all treatment devices remove every contaminant; there may be more than one device installed if multiple contaminants exist in the drinking water. Water treatment companies may be found by consulting the yellow pages of your local area phone book.

SUMMARY OF TREATMENT OPTIONS FOR HOMEOWNERS

Treatment Type	Contaminants Treated
Activated Carbon Filtration	Some Organic Chemicals
	Taste
	Trihalomethanes
	Some Pesticides
	Odor
Air Stripping	Volatile Organic Compounds (higher concentrations)
	Iron (with filtration)
	Hydrogen Sulfide
	Radon Gas
Chlorinators	Bacteria (Coliform)
	Microbiological Contamination
Distillation	All Inorganic Chemicals (i.e., Nitrate, Sodium Chloride)
	Some Organic Chemicals
Ion Exchange	Hard Water (Water Softening)
	Manganese
	Some Heavy Metals
	Calcium
	Iron
Reverse Osmosis	Certain Organic Chemicals
	Nitrates
	Dissolved Solids/Metals
Mechanical Filtration	Turbidity
	Dirt
	Sediment
	Particulates (Loose Scale)
Bottled Water	Temporary Solution to Aesthetic Problems & Emergency Situations
KDF-55 with pH adjustment	Mercury
Ultraviolet Radiation	Bacteria (Coliform)
	Microbiological Contamination



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Tuesday, June 22, 2021

Gordon Prochnow
478 Ely Harmony Road
Freehold, NJ 07728

Certificate of Analysis

Property Address: 470 Ely Harmony Road

County: Monmouth

Sample Location: Kitchen Tap - Treated Water

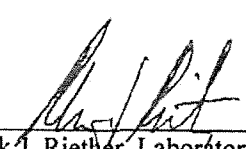
Municipality: Freehold Township

Date/Time Sampled: 06/14/2021 12:15

Lot: 43

Block: 101

Required Test Parameters	Date/Time Analyzed	Result	Units	Applicable Standard (Maximum Contaminant Level, Action Level or Recommended Limit)	Standard Exceeded (Y/N)	Analytical Method
Sample ID:	T108096					
Metals						
Iron	17-JUN-2021 11:34	<0.10	mg/L	0.3 mg/L	N	SM3111B
Manganese	17-JUN-2021 13:06	<0.025	mg/L	0.05 mg/L	N	SM3111B
General Chemistry						
pH	14-JUN-2021 12:15	6.96	pH units	6.5-8.5 (optimum range)	N	SM 4500 H+-B


Mark J. Riether, Laboratory Director

06/22/2021

Date



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CHAIN OF CUSTODY RECORD

Customer:	Gordon Prochnow
Contact:	
Address:	478 Ely Harmony Road Freehold, NJ 07728 732-294-0688
Phone:	
Cell:	

Lab ID#	Sample Location	Collection Date	Time	Matrix	Field Measurements	No. of Bottles	Pres.	Analysis Required
T108095	470 Ely Harmony Road - Raw	6/14/21	1225	X	Res. Cl = 0.05	1 X 120	NaThio	Time Analyzed: 1225 Meter # 6
				X		1 X 125	NA	Total Coliform/E.coli
				X		1 X 250	HNO3	Nitrates
				X		2 X 40	MA & AA	Fe, Mn, Pb, Hg, As
				X		1 X 125	HNO3	VOC/SOC
				X	pH=6.58 T=5.3°C	1 X 125	HNO3	Gross Alpha
				X		1 X 125	HNO3	Time Analyzed: 1225 Meter # 3
T108096	470 Ely Harmony Road - Treated	6/14/21	1215	X	pH=4.96 T=18.2°C	1 X 125	HNO3	Fe, Mn
				X		1 X 125	HNO3	Time Analyzed: 1215 Meter # 3

MATRIX ABBREVIATIONS: DIDRINKING WATER AQUEOUS SISOIL SL/SLUDGE GW/GROUND WATER SWS/SURFACE WATER WWW/WASTE WATER

Turnaround Time SJWT Standard is 10 work days Rush turnaround available upon request and lab approval _____	Report Format Standard NJ DEP Reduced Deliverables NJ DEP Full Deliverables Electronic Data Deliverables PWTA Format	Comments/Special Instructions ☐ If this box is checked a VOC trip blank sample has been collected and will be analyzed if VOC hits are above the MCL. ☐ If this box is checked, duplicate pH and Residual Chlorine samples have been collected. pH (su) = _____ Res. Cl. (mg/L) = _____ Time: _____	Cooler Temp 100°F 2.1 °C Properly Preserved Yes No
	pH 3 Hour Check pH Meter #: _____ Time: _____ pH Buffer: _____ Lot #: A1053 Exp: 23-Feb		

Sampled by: <i>Matthew Gordon</i> (Print)	Date: 6/14/21	Time: 1625	Received by: <i>[Signature]</i> (Signature)	Date: 4/14/21	Time: 1625
Relinquished by: _____ (Signature)	Date: _____	Time: _____	Received by: _____ (Signature)	Date: _____	Time: _____