2. General Water System Information	
System Name: City of Newark	PWSID: 0714001
System Type: **Community (CWS) ☒ ; Non-transient noncommunity (NTNC) ☐ ;** Transient Daycare ☐ ; Non-Public Daycare ☐	
NTNC Water Systems Only: School ☐ ; Daycare ☐; Hospital ☐	
System Source Type: Ground Water (GW) ☐; Surface Water (SW) ☒; GW Under Direct Influence (GUDI) ☐; SW Purchased ☐; GW Purchased ☐	
Number of Service Connections[1]: 38,000	System Size Under LCR: Large ☒; Medium ☐; Small ☐
Total Population Served (excluding transient population): 280,579	Peq = 210K – 220K Wanaque = 50K – 60K

2.a Contact Information	
System owner contact information:	
Name: Kareem Adeem	Title: Acting Director, Water & Sewer
Phone: [redacted]	Email: adeemk@ci.newark.nj.us
Licensed operator contact information	
Name: Jerry Notte	Title: Licensed Operator
Phone: [redacted]	Email: jnotte@kleinfelder.com
License (VSWS, T1, etc.): T-4	License Number (W-4) 0006964 (T-4) 0006963
Plan Preparer contact information:	
Name: Michael Awertschenko	Title: WTP Superintendent
Phone: [redacted]	Email: awertschenkom@ci.newark.nj.us
Additional Licensed operator contact information (*if applicable*)	
Name:	Title:
Phone:	Email:
License (VSWS, T1, etc.):	License Number:

1

2.b List of Sources and Treatment Facilities *Add additional rows and information as necessary*

Treatment Facility/ID# (TP)[a]	Supplying Source(s)/ID# (WL, IN)[a]		Corrosion Control Used[c]
TP 003008 (Pequannock) City of Newark: PWSID: 0714001 ☒ Year Round ☐ Emergency ☐ Seasonal _ _/_ _ to _ _/_ _ ☐ No Treatment CH _ _ _ _ _ _ _ ☐ Year Round ☐ Emergency ☐ Seasonal _ _/_ _ to _ _/_ _	**IN 003009**_ _ _ _ _ _ _ _ ☒ Year Round ☐ Emergency ☐ Seasonal _ _/_ _ to _ _/_ _ _ _ _ _ _ _ _ _ ☒ Year Round ☐ Emergency ☐ Seasonal _ _/_ _ to _ _/_ _		☒ Chemical feed(s) operated for CCT ☒ pH Adj. Process/Chem: Hydrated Lime ☐ Orthophosphate/Orthophosphate Blend ☒ Silica ☐ Alkalinity Adj. Process/Chem: _____ ☐ None
Little Falls: ID# TP001WQ1 ☒ Year Round ☐ Emergency ☐ Seasonal _ _/_ _ to _ _/_ _ ☐ No Treatment CH _ _ _ _ _ _ _ ☐ Year Round ☐ Emergency ☐ Seasonal _ _/_ _ to _ _/_	_ _**TP 003008** _ _ _ _ _ _ _ ☒ Year Round ☐ Emergency ☐ Seasonal _ _/_ _ to _ _/_ _ _ _ _ _ _ _ _ _ ☒ Year Round ☐ Emergency ☐ Seasonal _ _/_ _ to _ _/_ _	_____ _____	☐ Chemical feed(s) operated for CCT ☐ pH Adj. Process/Chem: _____ ☐ Orthophosphate/Orthophosphate Blend ☐ Silica ☐ Alkalinity Adj. Process/Chem: _____ ☒ None
Bulk Suppliers	**Interconnections /ID# (CC)[a]**		**Corrosion Control Used by Supplier[c]**
Wanaque: PWSID: 1613001 TP 003006 (Wanaque)	_ _**CC0003003** _ _ _ _ _ _ _ ☒ Year Round ☐ Emergency ☐ Seasonal _ _/_ _ to _ _/_ _ _ _ _ _ _ _ _ _ ☒ Year Round ☐ Emergency ☐ Seasonal _ _/_ _ to _ _/_ _	40% of water received from interconnection(s): _____ _____	☒ Chemical feed(s) operated for CCT ☒ pH Adj. Process/Chem: Hydrated Lime ☒ Orthophosphate/Orthophosphate Blend ☐ Silica ☐ Alkalinity Adj. Process/Chem: _____ ☐ None
Additional Corrosion Control Treatment Locations			**Corrosion Control Used**
[redacted], Orthophosphate Treatment system installed/ Started Up on May 07, 2019, for Pequannock system. [redacted] (TP001WQ2)			☒ Chemical feed(s) operated for CCT ☐ pH Adj. Process/Chem: _____ ☒ Orthophosphate/Orthophosphate Blend ☐ Silica ☐ Alkalinity Adj. Process/Chem: _____

	☐ None

[a] [1] Facility IDs are available in Drinking Water Watch. Note that emergency interconnections may not be in DWW; therefore, insert the name of the facility in lieu of the Facility ID.
[b] If multiple supplying sources combine prior to distribution system, but with no treatment prior enter the Facility ID for the common header
[c] If the supplying source is an interconnection (CC) indicate what CCT the wholesaler operates in addition to what the purchaser has installed
[d] An example of an additional treatment location would be a booster pump station for orthophosphate in the distribution system

2.c Contact Information for bulk purchasers and wholesalers: *Check here if not applicable* ☐	
We will notify the Bulk purchasers listed below and NJDEP if any change in source water and/or change in corrosion control treatment will last for 30 or more consecutive days.	
SYSTEM NAME (PWSID NUMBER) Bulk Purchaser ☒; Wholesaler ☐ Year-Round ☒; Seasonal ☐; Emergency ☐	
Name: Pequannock Township – NJ1431001	Title: David Seugling
Phone: [redacted], [redacted]	Email: dseugling@peqtwp.org
SYSTEM NAME (PWSID NUMBER) Bulk Purchaser ☒; Wholesaler ☐ Year-Round ☒; Seasonal ☐; Emergency ☐	
Name: Bloomfield Township – NJ0702001	Title: Paul Lasek
Phone: [redacted],	Email: Plasek@bloomfieldtwpnj.com
SYSTEM NAME (PWSID NUMBER) Bulk Purchaser ☒; Wholesaler ☐ Year-Round ☒; Seasonal ☐; Emergency ☒	
Name: Elizabethtown – NJ2004001 (NJ American Water - Liberty	Title: Dee Gilespie
Phone: [redacted]	Email: Dee.Gilespie@amwater.com
SYSTEM NAME (PWSID NUMBER) Bulk Purchaser ☒; Wholesaler ☐ Year-Round ☒; Seasonal ☐; Emergency ☒	
Name: Nutley Township – NJ0716001	Title: Salvatore Scarpelli
Phone: [redacted]	Email: sscarpelli@nutleynj.org
SYSTEM NAME (PWSID NUMBER) Bulk Purchaser ☒; Wholesaler ☐ Year-Round ☒; Seasonal ☐; Emergency ☒	
Name: Belleville Township - NJ0701001	Title: Tom Herits
Phone: [redacted]	Email: Therits@maserconsulting.com

3. Distribution Map

For Non-Transient Noncommunity water systems, a detailed sketch may be included in lieu of a map.

Check all items listed below that are identified on the Distribution Map in Appendix A.

Required:	If applicable:
• EPTDS (permanent and emergency) • Standard WQP Sampling Sites • Reduced WQP Sampling Sites • Alternate WQP Sampling Sites	☒ Storage Tanks ☒ Delineation of areas receiving CCT ☐ Delineation of areas receiving no CCT or different CCT from seasonal EPTDS ☒ Booster Stations with CCT ☐ Blow offs/flushing points ☒ Delineation of Pressure Zones # of Pressure Zones: 2_____

4. Sample Site Selection

4a. Distribution System Sampling Sites *Add additional rows and information as necessary*

Standard WQP Sites Minimum Number Required: 40

	Street Address/Building	*Tap Location (i.e., Kitchen)*	*Site specific justification*[2]
1P	[redacted]	Kitchen/ Bathroom	Peq. System
2P	[redacted]	Bathroom	Peq. System
3P	[redacted]	Bathroom	Peq. System
4P	[redacted]	Bathroom	Peq. System
5P	[redacted]	Bathroom	Peq. System
6P	[redacted]	Bathroom/ Bathroom	Peq. System
7P	[redacted]	Kitchen/ Bathroom	Peq. System
8P	[redacted]	Bathroom	Peq. System
9P	[redacted]	Bathroom	Peq. System
10P	[redacted]	Kitchen	Peq. System
11P	[redacted]	Bathroom	Peq. System
12P	[redacted]	Kitchen	Peq. System
13P	[redacted]	Bathroom	Peq. System
14P	[redacted]	Bathroom	Peq. System
15P	[redacted]	Bathroom	Peq. System
16P	[redacted]	Bathroom	Peq. System
17P	[redacted]	Bathroom	Peq. System
18P	[redacted]	Bathroom	Peq. System
19P	[redacted]	Bathroom	Peq. System
20P	[redacted]	Bathroom	Peq. System
21P	[redacted]	Bathroom	Peq. System
22P	[redacted]	Bathroom	Peq. System

[2] The justification must include considerations outlined in Section 4a of the Water Quality Parameter Sampling Plan Guidance. In addition, if the system has seasonal EPTDS, considerations outlined in Section 5d of the Water Quality Parameter Sampling Plan Guidance need to be considered.

23P	[redacted]	Bathroom	Peq. System
24P	[redacted]	Bathroom	Peq. System
25P	[redacted]	Bathroom	Peq. System
1W	[redacted]	Kitchen	Wanaque System
2W	[redacted]	Bathroom	Wanaque System
3W	[redacted]	Kitchen	Wanaque System
4W	[redacted]	Garage	Wanaque System
5W	[redacted]	Bathroom/ Bathroom	Wanaque System
6W	[redacted]	Cafeteria	Wanaque System
7W	[redacted]	Bathroom	Wanaque System
8W	[redacted]	Kitchen	Wanaque System
9W	[redacted]	Bathroom	Wanaque System
10W	[redacted]	Bathroom	Wanaque System
11W	[redacted]	Bathroom	Wanaque System
12W	[redacted]	Bathroom	Wanaque System
13W	[redacted]	Bathroom	Wanaque System
14W	[redacted]	Bathroom	Wanaque System
15W	[redacted]	Bathroom	Wanaque System

Reduced WQP Sites Minimum Number Required: 10_____

☐ *not applicable; residential and non-transient population ≤ 500*

	Street Address/Building	*Tap Location (i.e., Kitchen)*	*Site specific justification*[2]
1P	[redacted]	Kitchen/ Bathroom	Pequannock
2P	[redacted]	Bathroom	Pequannock
4P	[redacted]	Bathroom	Pequannock
9P	[redacted]	Bathroom	Pequannock
11P	[redacted]	Bathroom	Pequannock
1W	[redacted]	Kitchen	Wanaque

4W	[redacted]	Garage	Wanaque
7W	[redacted]	Bathroom	Wanaque
8W	[redacted]	Kitchen	Wanaque
9W	[redacted]	Bathroom	Wanaque
Alternate WQP Sites Minimum Number Required: 15			
	Street Address/Building	*Tap Location (i.e., Kitchen)*	*Site specific justification*[2]
26P	[redacted]	Kitchen	Pequannock
27P	[redacted]	Principal's Office	Pequannock
28P	[redacted]	Bathroom	Pequannock
29P	[redacted]	Bathroom	Pequannock
30P	[redacted]	Cafeteria	Pequannock
31P	[redacted]	Bathroom	Pequannock
32P	[redacted]	Bathroom	Pequannock
33P	[redacted]	Bathroom	Pequannock
34P	[redacted]	Break Room	Pequannock
35P	[redacted]	Bathroom	Pequannock
16W	[redacted]	Lunch Room	Wanaque
17W	[redacted]	Bathroom	Wanaque
18W	[redacted]	Bathroom	Wanaque
19W	[redacted]	Bathroom	Wanaque
20W	[redacted]	Bathroom	Wanaque

Changes to WQP Sites

Changes to WQP sample sites are only allowed when we can no longer gain access to the site or if the original site location no longer meets the selection criteria. The NJDEP will be notified of the change in WQP sampling site by completion and submission of the Water Quality Parameter Sample Site Change Form (BWSE-19), which can be found at http://www.nj.gov/dep/watersupply/dws-sampreg.html, within 10 days following the end of the monitoring period.

4.b Entry Point to the Distribution System Sampling Sites
Refer to table 2.b for the list of sites to sample for the EPTDS (emergency EPTDS are only required to be sampled if they are in use for 30 or more consecutive days)

Site Selection Justification:

All sample sites, including the recent additional sites were chosen in accordance with the EPA/ NJDEP suggested criteria and guidelines, such as accessibility, and the sites being representative of a specific distribution area.

5. Monitoring Schedules and Required Analytes

Check all applicable boxes for CURRENT monitoring schedules and complete the required information within those tables only. The tables that are not applicable should be deleted from the WQPSP

5a. Initial WQP Monitoring ☐

EPTDS does not have CCT installed and/or do not receive water from a wholesaler who has CCT installed; therefore, this monitoring is required 6-months from the beginning of the monitoring period in which an AL is exceeded.

Location	Frequency	Number of Sites	Analytes	Additional Analytes for CCT Recommendation[3]
EPTDS	Twice within 6 months from the beginning of the monitoring period in which the system exceeds the AL	N / A	– pH – Alkalinity – Calcium - Conductivity - Temperature	- Iron - Manganese - Aluminum - Chloride - Sulfate
DS	Twice within the 6 months from the beginning of the monitoring period in which the system exceeds the AL	N / A	– pH – Alkalinity – Calcium - Conductivity - Temperature	- Iron - Manganese - Aluminum - Chloride - Sulfate

☐ The water system is required to conduct initial monitoring for only select EPTDS that do not have CCT. The Facility IDs for these EPTDS are: _____

Within 6 months after the end of the monitoring period in which the system exceeds an action level, a Corrosion Control Treatment Recommendation will be submitted to the NJDEP, with the Initial WQP data as supporting documentation.

[3] The additional parameters are necessary for a full evaluation of the water system's water quality and CCT evaluation and will be submitted and reviewed along with the system's CCT Recommendation. Refer to EPA's *Optimal Corrosion Control Treatment Evaluation Technical Recommendations for Primacy Agencies and Public Water Systems,* March 2016.

5b. Follow-Up WQP Monitoring ☒
Immediately following installation of CCT

Location	Frequency	Number of Sites	Analytes
EPTDS Pequannock [redacted]	Bi-weekly (starting 7/1/16)	1	X pH ☒ Alkalinity (if adjusted) ☐ Calcium (if adjusted) ☐ Orthophosphate[4] (a phosphate-based corrosion inhibitor is used) ☒ Silica (a silicate-based corrosion inhibitor is used) Iron, Manganese, aluminum, chloride, and sulfate.
EPTDS Little Falls [redacted]	Bi-weekly (starting 7/1/16)	1	X pH ☒ Alkalinity (if adjusted) ☐ Calcium (if adjusted) ☒ Orthophosphate[5] (a phosphate-based corrosion inhibitor is used) ☐ Silica
EPTDS Montclair [redacted]	Weekly (starting 1/1/19) Note: weekly monitoring for Montclair is per condition 11 of the temporary treatment approval (WTA190001) dated 4/25/19.	1	X pH ☒ Alkalinity (if adjusted) ☐ Calcium (if adjusted) ☒ Orthophosphate[6] (a phosphate-based corrosion inhibitor is used) ☒ Silica (a silicate-based corrosion inhibitor is used), Iron Manganese, Aluminum, Chloride, and sulfate

[4] Orthophosphate values are required to be reported as P (phosphorous). The conversion from phosphate (PO4) is: PO4 x 0.3265 = P
[5] Orthophosphate values are required to be reported as P (phosphorous). The conversion from phosphate (PO4) is: PO4 x 0.3265 = P
[6] Orthophosphate values are required to be reported as P (phosphorous). The conversion from phosphate (PO4) is: PO4 x 0.3265 = P

EPTDS Wanaque (Belleville)	Bi-weekly (starting 7/1/16)	1	- pH ☒ Alkalinity (if adjusted) ☐ Calcium (if adjusted) ☒ Orthophosphate[7] (a phosphate-based corrosion inhibitor is used) ☒ Silica (a silicate-based corrosion inhibitor is used)
DS (Pequannock)	Monthly (per Temporary Treatment Approval)	25	- pH – Alkalinity ☐ Calcium (if adjusted) ☒ Orthophosphate[2] (a phosphate-based corrosion inhibitor is used) ☒ Silica (a silicate-based corrosion inhibitor is used) ☒ Iron ☒ Manganese ☒ Aluminum ☒ Chloride ☒ Sulfate
DS (Wanaque)	Twice within each 6-month monitoring period	15	- pH – Alkalinity ☐ Calcium (if adjusted) ☒ Orthophosphate[2] (a phosphate-based corrosion inhibitor is used) ☒ Silica (a silicate-based corrosion inhibitor is used)

☐ The water system is required to conduct follow-up monitoring for only select EPTDS. The Facility IDs for these EPTDS are:

_____

☐ Seasonal EPTDS will be monitored during the operational period. The two-week compliance periods are counted starting with the initial date of the monitoring schedule, which is ☐ January 1, 20_ _ ☐ July 1, 20_ _
A listing of the two-week compliance periods is available at http://www.nj.gov/dep/watersupply/dwc-lead-public.html

☐ Distribution sites will be sampled during the operational period of the system's seasonal EPTDS

Within 30 days of completing follow-up monitoring, the system will submit an *Optimal WQP Recommendation Form* (BWSE-LC03) to the NJDEP.

.

[7] Orthophosphate values are required to be reported as P (phosphorous). The conversion from phosphate (PO4) is: PO4 x 0.3265 = P

5c. Optimal WQP Monitoring ☐

After NJDEP sets optimal WQP values (NJDEP Letter Designating Optimal Values enclosed in Appendix B)

☐ *NJDEP Letter Granting Reduction of Optimal WQP Monitoring is enclosed in Appendix C*

Location	Frequency	Number of Sites	Analytes	Optimal Minimum Value
EPTDS	Every 14 days	N A	– pH	
			☐ Alkalinity (if adjusted)	mg/L
			☐ Calcium	mg/L
			☐ Orthophosphate[8] (a phosphate-based corrosion inhibitor is used)	mg/L
			☐ Silica (a silicate-based corrosion inhibitor is used)	mg/L
DS	☐ Standard: Twice within each 6-month monitoring period ☐ Reduced number of sites twice within each 6-month monitoring period ☐ Reduced number of sites twice within: ☐ 6-month ☐ Annual ☐ Triennial	N A	- pH	
			☐ Alkalinity (if adjusted)	mg/L
			☐ Calcium	mg/L
			☐ Orthophosphate[6] (a phosphate-based corrosion inhibitor is used)	mg/L
			☐ Silica (a silicate-based corrosion inhibitor is used)	mg/L

☐ The water system is required to conduct optimal monitoring for only select EPTDS. The Facility IDs for these EPTDS are:

_____

☐ Seasonal EPTDS will be monitored during the operational period. The two-week compliance periods are counted starting with the initial date of the monitoring schedule, which is ☐ January 1, 20_ _ ☐ July 1, 20_ _
A listing of the two-week compliance periods is available at http://www.nj.gov/dep/watersupply/dwc-lead-public.html

☐ Distribution sites will be sampled during the operational period of the system's seasonal EPTDS

[8] Orthophosphate values are required to be reported as P (phosphorous). The conversion from phosphate (PO4) is: PO4 x 0.3265 = P

Water systems must refer to the Water Quality Parameter Sampling Plan Guidance to ensure all required sections and information are included.

6. Sample Collection, Analysis, and Reporting

6a. Sample Collection & Analysis *Check one of the four boxes below that is applicable for the water system and complete required information*

☒ A Certified Lab collects and analyzes all WQP samples.

Lab Name: Cedar Grove Contact Name: Selene Samuel

Phone: [redacted] Email: Samuels@ci.newark.nj.us

☐ The Licensed Operator is an employee of the certified lab and will be collecting and analyzing the samples on behalf of the certified laboratory listed above.

The system has provided the lab with a list of all sampling sites. The lab must consult with the system prior to sampling any site that is not listed in the WQPSP. The water system will ensure that the certified lab analyzes the following required WQPs in the field: ☒ temperature ☒ pH

☐ The Licensed Operator has his/her own Lab certification for analysis of the following WQPs:

☐ pH (in field) ☐ temperature (in field) ☐ alkalinity ☐ conductivity ☐ calcium

☐ orthophosphate ☐ silica

☐ An Approved Party collects and analyzes all WQP samples.

Name: Title:

Phone: Email:

License #:

Alternate Name: Title:

Phone: Email:

License #:

☐ The Approved Party is not a Licensed Operator, but was trained by:

Licensed Operator Name: License #:

Phone: Email:

☐ An Approved Party collects and analyzes some WQP samples and a Certified Lab analyzes some WQP samples.

Certified Lab Information

Lab Name: Contact Name:

Phone: Email:

WQP Analysis for: ☐ pH (in field) ☐ temperature (in field) ☐ alkalinity ☐ conductivity ☐ calcium ☐ orthophosphate ☐ silica

Approved Party Information

Name: Title:

Phone: Email:

License #:

☐ The Approved Party is not a Licensed Operator, but was trained by:

Licensed Operator Name: License #:

Phone: Email:

WQP Analysis for: ☐ pH (in field) ☐ temperature (in field) ☐ alkalinity ☐ conductivity ☐ calcium ☐ orthophosphate ☐ silica

Approved Party Sample Collection Procedures[9]

Check here if not applicable (i.e. certified laboratory collects all WQPs) ☒

- Remove aerator
- Fully flush tap (minimum of 30 seconds)
- Make observations about color, suspended solids, and flushing time on Chain of Custody

☐ We collect calcium samples in addition to other WQP samples; therefore, two 500 mL sample bottles will be filled at EPTDS and DS sites.

☐ We collect silica samples; therefore, plastic sample containers will be used.

Approved Party Sample Analysis Procedures[10]

Check here if not applicable (i.e. certified laboratory analyzes all WQPs) ☒

- The following required WQPs will be analyzed in the field: ☐ temperature ☐ pH
- The following EPA methods/instrumentation will be used for analysis:

☐ pH: _____

☐ temperature _____

☐ alkalinity: _____

☐ calcium: _____

☐ conductivity: _____

☐ orthophosphate: _____

☐ silica: _____

6b. Sample Reporting (check all that apply)

☒ Our certified lab will submit WQP results electronically via E2.

☐ Our Approved Party will submit WQP results on the *WQP Monitoring Report Form for Approved Party* by emailing it to watersupply@dep.nj.gov. This form, along with instructions, can be found at http://www.nj.gov/dep/watersupply/dws-sampreg.html.

☐ A continuous analyzer is used for compliance monitoring of WQP data; therefore, the average for each day (24 hours period) will be inputted onto the *WQP Monitoring Report Form for Approved Party*.

☒ Our Licensed Operator will submit the daily chemical dosages for CCT chemical feeds on the Monthly Operator Report within 10 days following the end of the month in which the data was collected.

7. Action Plans

7a. Use of an Emergency EPTDS (i.e., treatment plant, interconnection)

☐We do not have any emergency EPTDS

☒If an emergency source is used at any time, we will

- Contact the NJDEP within 6 hours of emergency and within 5 working days prior to undertaking any planned change in treatment and/or use of an emergency source.
- ☒ Contact bulk purchasers within 6 hours of emergency and within 5 working days prior to undertaking any planned change in treatment and/or use of an emergency source, or in accordance with contractual obligations.

☒If an emergency source is used for 30 or more consecutive days, we will:

- Conduct WQP monitoring at the emergency EPTDS (listed in table 1b) and within the impacted distribution system area.

The person responsible for implementing this action plan is:

Name: Ron Wund Title: Superintendent of Water & Sewer

Phone: [redacted] Email: Wundr@ci.newark.nj.us

[9] General sampling and analytical procedures are provided in this template; refer to the Office of Quality Assurance for standard procedures at http://www.nj.gov/dep/enforcement/oqa.html.

7b. Monitoring and Reporting (M&R) Violations

- We will notify NJDEP within **48 hours** after the system learns of monitoring violations.
- We will implement Tier 3 public notification requirements and submit a copy of public notice and Public Notice Certification within 10 days of issuance to NJDEP.
  - ☒ We are a CWS and will incorporate the Tier 3 public notice into our Consumer Confidence Report
- We will ensure sample collection from minimum number of required sites in subsequent monitoring periods.

The person responsible for implementing this action plan is:

Name: Ron Wund — Title: Superintendent of Water & Sewer
Phone: [redacted] — Email: Wundr@ci.newark.nj.us

7c. Single Excursion Check *Check here if not applicable (i.e. not on optimal monitoring)* ☐
☐ *We will implement the following once on optimal WQP monitoring*

- Management and supervisors will be made aware of the issue immediately.
- A follow up sample will be collected immediately to confirm the issue.
- A review of treatment operations and/or distribution operations.
- Calibration of equipment will be reviewed and/or conducted.
- Repairs/optimization of operations based on findings of evaluation.
- Sample collection immediately following any changes to optimize treatment and/or distribution system.

The person responsible for implementing this action plan is:

Name: — Title:
Phone: — Email:

7d. Treatment Technique Violation *Check here if not applicable (i.e. not on optimal monitoring)* ☐
☐ *We will implement the following once on optimal WQP monitoring*

- Report the violation to NJDEP within **48 hours** of becoming aware of the violation.
- Deliver a Tier 2 public notification[10] to your customers within 30 days of becoming aware of the violation.
- Submit the Public Notice Certification Form (BSDW-53) and a copy of the Tier 2 Public Notice materials to the NJDEP within ten days of implementing the public notice requirements.
- Review of treatment and/or distribution operations and perform calibrations of equipment.
- Submit a remedial measures report to the NJDEP within 30 days of becoming aware of the violation that outlines the evaluation steps taken, findings, and remedial actions taken.
- Return to standard WQP tap monitoring (every 6-months at standard number of sites).
- Return to standard Lead and Copper tap monitoring (every 6-months at standard number of sites).
- Update the WQPSP and Lead and Copper Sampling Plan

☐ Other: _____

The person responsible for implementing this action plan is:

Name: — Title:
Phone: — Email:

[10] A template for the Tier 2 public notification for a WQP treatment technique violation is available at http://www.nj.gov/dep/watersupply/dws-sampreg.html.

Water systems must refer to the Water Quality Parameter Sampling Plan Guidance to ensure all required sections and information are included.

8. Division of Water Supply & Geoscience Contact Information	
Bureau of Safe Drinking Water	609-292-5550
Bureau of Water System Engineering	609-292-2957
Bureau of Water Allocation and Well Permitting	609-984-6831
Bureau of Water Resources & Geoscience	609-292-2576

APPENDIX *Check all that apply and are enclosed*
☒ Appendix A: Distribution System Map
☐ Appendix B: NJDEP Letter Designating Optimal Values
☐ Appendix C: NJDEP Letter Granting Reduction of Optimal WQP Monitoring

City of Newark Department of Water and Sewer
Interconnection Inspection Report
2019

Type	City Location	Buyer	Address	Size/Capacity	Quantity	Date Inspected	Comments	Status	ID
Wholesale Connections	Belleville				5				
Wholesale Connections	Belleville	Belleville	[redacted]	6"	1		through 24" main connected to [redacted]	active	
Wholesale Connections	Belleville	Belleville	[redacted]	6"	1	7/18/2019	6" meter, 8" main, [redacted]	active	
Wholesale Connections	Belleville	Belleville	[redacted]	12"	1	7/18/2019		active	13924
Wholesale Connections	Belleville	Belleville	[redacted]	8"	1	7/18/2019	8" main [redacted]	active	13925
Emergency Connections	Belleville	Belleville	[redacted]	8"	1	7/18/2019		active	13928
	Bloomfield				4				
Wholesale Connections	Bloomfield	Bloomfield	[redacted]	16"	1	5/21/2019	close and Open 8 turn pk leak, open	active	13945
Wholesale Connections	Bloomfield	Bloomfield	[redacted]	16", 12"	2	5/21/2019	close and open 5 T,open	active	13943
Wholesale Connections	Bloomfield	Bloomfield	[redacted]	16"	1	5/21/2019	close and open 5 T ,open	active	13943
	Elizabeth				8				
Wholesale Connections	Elizabeth	Elizabeth	[redacted]	10"	1			closed	
Wholesale Connections	Elizabeth	Elizabeth	[redacted]	10"	1			closed	
Wholesale Connections	Elizabeth	Elizabeth	[redacted]	8"	1	5/3/2019	open/close	active	51057
Wholesale Connections	Elizabeth	Elizabeth	[redacted]	30"	1	5/3/2019	open/close	active	
Wholesale Connections	Elizabeth	Elizabeth	[redacted]	6"	1	5/3/2019	open/close	active	13927
Wholesale Connections	Elizabeth	Elizabeth	[redacted]	16"	1	5/3/2019	open/close	closed	
Wholesale Connections	Elizabeth	Hillside	[redacted]	6"	1	5/3/2019	open/close	active	13951
Wholesale Connections	Elizabeth	Elizabeth	[redacted]	1.5"	1		off of fire hydrant	closed	

	Pequannock				6			
Wholesale Connections	Pequannock	Pequannock	[redacted]	8",10"	2	5/12/2019		active off/on
Wholesale Connections	Pequannock	Pequannock		8"	1	-	do not operate leak	closed
Wholesale Connections	Pequannock	Pequannock		8", 4"	2	5/12/2019		active
Wholesale Connections	Pequannock	Pequannock		8"	1	5/12/2019		active off/on
Wholesale Connections	East Ora				2			
Wholesale Connections	East Orange	Bloomfield		18"	1	6/29/2019	Closed	active
Wholesale Connections	East Orange	Newark		12"	1	9/22/2016	closed	active
	Nutley				2			
Wholesale Connections	Nutley	Nutley		12"	1	7/18/2019	needs meter	1/25/15 repair leakby montana
Wholesale Connections	Nutley	Nutley		12"	1	7/18/2019		open/ Closed
Wholesale Connections	Montcl				2			
Stand By/Emergency	Montclair	Montclair		16"	1	NA	Not Been used	closed
Stand By/Emergency	Montclair	Montclair		16"	1	NA	MARK OUT BY POLE	closed
	Irvingto				2			
Stand By/Emergency	NJAW	Irvington		6"	1			closed
Stand By/Emergency	NJAW	Hillside			1	7/13/2016, Flush	hydrant to hydrant connection (Air Gap)	closed
	Wayne				7			
Stand By/Emergency	Wayne	Wayne		20"	1	10/5/2018	ok	closed
Stand By/Emergency	Wayne	Wayne		8"	1	10/5/2018	ok	closed
Stand By/Emergency	Wayne	Wayne		8"	1		Burried	closed
Stand By/Emergency	Wayne	Wayne		16"	1	10/16/2018	ok	closed
Stand By/Emergency	Wayne	Wayne		16"	1	10/5/2018	inspect NOT BEEN USED	closed

13948

13945

Stand By/Emergency	Wayne	Wayne	[redacted]	16	1	NA	Not Been used	closed
Stand By/Emergency	Wayne	Wayne		20"	2	10/5/2018	not Been used	closed
	Butler				2			
Emergency	Butler	Butler		6"	1		Not Been used	closed
Emergency	Butler	Butler		12"	1	NA	Not Been used	closed
	Clifton				4	NA		
Emergency	Clifton	Passaic Valley		8"	1	4/4/2019	ok	closed
Emergency	Clifton	Passaic Valley		12"	1	4/4/2019	Packing Leak	closed
Emergency Connections	Clifton	Passaic Valley		12"	1	4/12/2018	10 MGD Flow	closed
Emergency	Clifton	Passaic Valley		16"	1	4/4/2019	Dr Office PK leak	closed
	Other				3			
Not Active	Totowa	NJ training school		8"	2	6/13/2016	been use connerction is ac	active VALVE CLOSED
Not Active	Overbrook Hospital	Overbrook Hospital		12"	1		Hospital Closed	closed

WQP Sampling Plan --- Sampling Site Justification

Pequannock Site	Justification
1	Accessibility, located in 365 pressure zone
2	Accessibility, located in 260-B pressure zone, high residency time
3	Accessibility, located in 365 pressure zone
4	Accessibility, located in the Eastern side of the 365 pressure zone
5	Accessibility, located in the Northern end of the 260-A pressure zone, low residency time
6	Accessibility, located in the Northern end 220 pressure zone
7	Accessibility, located in the 260-A pressure zone
8	Accessibility, located in 365 pressure zone
9	Accessibility, located in the 260-A pressure zone, low residency time
10	Accessibility, located in 220 pressure zone
11	Accessibility, located in the Western corner of the 365 pressure zone, high residency time
12	Accessibility, located in 365 pressure zone
13	Accessibility, located in 365 pressure zone, high residency time
14	Accessibility, located in 365 pressure zone
15	Accessibility, located in the North-East side of the 260-A pressure zone
16	Accessibility, located in the Southern section of the 260-A pressure zone
17	Accessibility, located in the 260-A pressure zone
18	Accessibility, located in 365 pressure zone
19	Accessibility, located in Southern section of the 220 pressure zone, high residency time
20	Accessibility, located in 365 pressure zone
21	Accessibility, located in the 260-A pressure zone
22	Accessibility, located in 365 pressure zone
23	Accessibility, located in 365 pressure zone
24	Accessibility, located in 260-B pressure zone
25	Accessibility, located in the Western corner of the 365 pressure zone, high residency time
26	Accessibility, located in the 220 pressure zone
27	Accessibility, located in 365 pressure zone
28	Accessibility, located in the 260-A pressure zone
29	Accessibility, located in Northern end of the 365 pressure zone
30	Accessibility, located in 365 pressure zone
31	New site added based on its location compared to existing sites, accessibility, located in the 365 pressure zone
32	New site added based on its location compared to existing sites, accessibility, located in the 260-A pressure zone, low residency time
33	New site added based on its location compared to existing sites, accessibility, located in the 365 pressure zone
34	New site added based on its location compared to existing sites, accessibility, located in Soutern corner of 365 pressure zone, high residency time
35	New site added based on its location compared to existing sites, accessibility, located in East side of the 260-A pressure zone

Wanaque Site	Justificiation
1	Accessibility, located in Southern section, high residency time
2	Accessibility, located near Newark Central/East ward border
3	Accessibility, located in East ward
4	Accessibility, located in East ward, high residency time
5	Accessibility, located in Eastern section, high residency time
6	Accessibility, located near Newark Central/East ward border
7	Accessibility, located near border of Wanaque and Pequannock systems
8	Accessibility, located in North section, low residency time
9	Accessibility, located in Southern section, high residency time
10	New site added based on its location compared to existing sites, accessibility, located in North most section, low residency time
11	New site added based on its location compared to existing sites, accessibility, located near the Newark North/Central ward border
12	Accessibility, located in the middle of Wanaque system
13	New site added based on its location compared to existing sites, accessibility, located in South-West section
14	New site added based on its location compared to existing sites, accessibility, located in South-East section, high residency time
15	New site added based on its location compared to existing sites, accessibility, located in South-West section
16	Accessibility, located in the bottom half of Wanaque system
17	New site added based on its location compared to existing sites, accessibility, located in Northern section, low residency time
18	Accessibility, located in East ward
19	Accessibility, located in the middle of Wanaque system
20	Accessibility, located in East ward