ANNUAL COMPLIANCE REPORT
ON
PUBLIC WATER SYSTEM VIOLATIONS

January 1, 2016 – December 31, 2016

New Jersey Department of Environmental Protection
Division of Water Supply and Geoscience

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INTRODUCTION

The Federal Safe Drinking Water Act in Section 1414(c)(3)(A) requires states to prepare an annual report on violations of the national primary drinking water regulations incurred by public water systems. The statutory language requiring an annual report by states and distribution of report summaries appears in Appendix A. This report covers the period of January 1, 2016 to December 31, 2016.

THE DRINKING WATER PROGRAM: AN OVERVIEW

Under the Safe Drinking Water Act of 1974, and subsequent 1986 and 1996 amendments, the USEPA sets national limits on contaminant levels in drinking water, known as Maximum Contaminant Levels (MCLs), to ensure drinking water is safe for human consumption. The USEPA also establishes treatment techniques instead of MCLs to control unacceptable levels of some contaminants. The USEPA regulates how often public water systems monitor their drinking water for contaminants and report the monitoring results to the State or the USEPA. Generally, the larger the population served by a public water system, the more frequently monitoring and reporting (M/R) must occur. Finally, the USEPA requires public notification, including a clear and understandable explanation of the nature of the violation, its potential adverse health effects, what the public water system is doing to correct the violation and the possibility of using an alternative water supply until the violation is resolved.

The Safe Drinking Water Act allows states and territories to seek USEPA approval to regulate public water systems themselves, an authority called primacy. To receive primacy, a State must meet certain requirements, including adoption of drinking water regulations equal to or stricter than federal regulations and demonstration that these requirements can be enforced. Of the 56 states and territories, all but Wyoming and the District of Columbia have primacy.

The Division of Water Supply and Geoscience (Division) within the New Jersey Department of Environmental Protection (NJDEP), which includes the Bureau of Safe Drinking Water and the Bureau of Water System Engineering, has responsibility under both the Federal Safe Drinking Water Act and the New Jersey Safe Drinking Water Act to assure safe drinking water for citizens and visitors of New Jersey.

NJ DRINKING WATER PROGRAM SUMMARY

This report includes both "health-based" violations and "monitoring and reporting violations." Health-based violations are violations of a MCL and treatment technique requirement, or lead and copper "action level" exceedance[1]. Monitoring and reporting violations are not considered "health-based" violations in New Jersey unless they have been determined to be significant by the Administrator of the United States Environmental Protection Agency (USEPA).

The Division, with support from NJDEP's Water Compliance and Enforcement Element, and county health agencies, continues progress in addressing MCL, treatment technique, and action

[1] [1] An Action Level exceedance is not a violation but can trigger other requirements that include water quality parameter monitoring, corrosion control treatment, source water monitoring/treatment, public education, and lead service line replacement.

level exceedances. The New Jersey Safe Drinking Water Act requires corrective actions for contaminants with long-term health effects to be addressed within one year. The Federal Safe Drinking Water Act does not include a timeline for return to compliance. Of the 55 health based MCL violations identified at community water systems in 2016, 25 MCL violation have returned to compliance and another 30 are in process of returning to compliance. Those in process are moving towards compliance as part of ongoing coordination with the Division that may include a formal Administrative Consent Order. Another 11 lead and/or copper action level exceedances are progressing through the steps outlined in the Federal rule, which allows for a longer timeframe before the system fully returns to compliance.

When it comes to monitoring and reporting violations, New Jersey is aggressively issuing violations and holding water systems accountable for monitoring and reporting timeframes established in the Federal rule. In New Jersey, many systems receive reporting violations for incorrect or late reporting, even if the required sampling was conducted on time.

Finally, the Division's capacity development strategy targets public water systems with a history of significant non-compliance to achieve compliance, and we expect continued improvements over the next several years.

NJ PUBLIC WATER SYSTEM PROFILE

The federal regulations define a public water system (PWS) as a system that provides water for human consumption through pipes or other constructed conveyances, if such system has at least 15 service connections or regularly serves at least 25 individuals for at least 60 days out of the year. There are three types of PWS: community ("C" such as towns), nontransient non-community ("NTNC" such as schools or factories with their own wells), or transient non-community systems ("TNC" such as rest stops or parks with their own wells). When the term "public water system" or "PWS" is used in this report, it means systems of all types unless otherwise specified.

As of December 31, 2016, New Jersey listed 3,682 PWS in its inventory, including 581 community water systems, 739 nontransient non-community water systems, and 2,362 transient non-community water systems. Most of New Jersey residents that are supplied by community water systems are served by medium or large systems that serve populations over 10,000. The number of systems continually changes due to mergers, opening and closing of businesses, connections of nontransient non-community or transient non-community water systems to community water systems, or changes in population served that results in classification or declassification of a PWS. Figure 1 below depicts changes in the number of PWS for the past 3 years and Table 1 shows a summary of population served by various size systems.

Figure 1
Active Public Water Systems in New Jersey

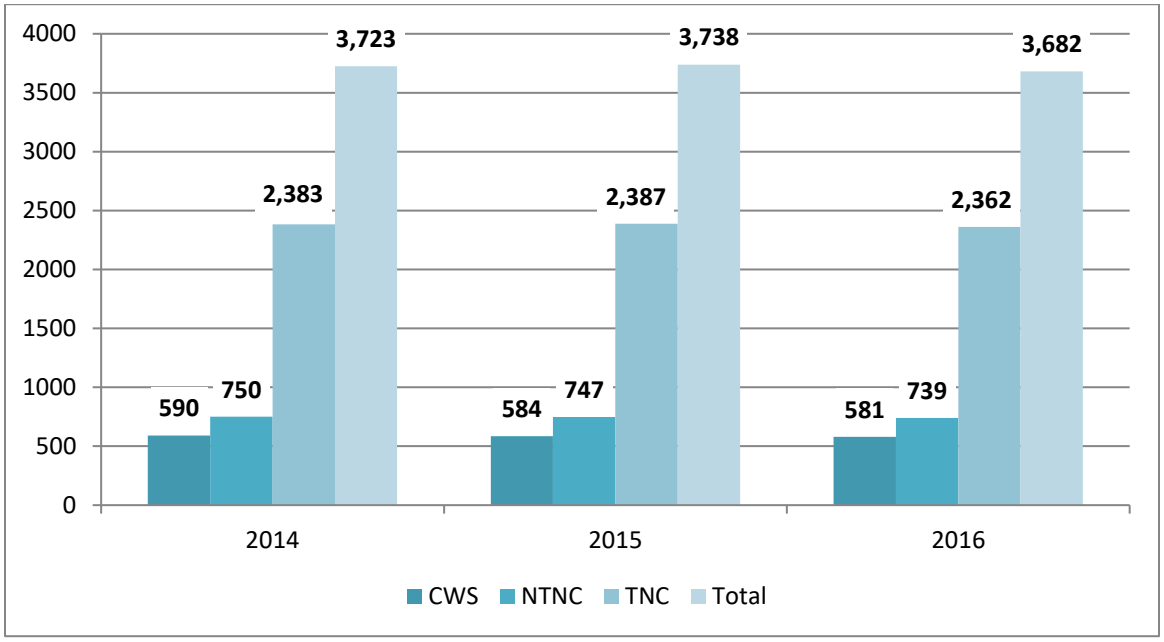

Table 1
Community Water Systems by Population Ranges

Population Categories	*Population Ranges*	*Number of Community Systems*	*Total Residential Population Served*
Large Systems	> 50,000	29	5,178,828
Medium Systems	10,001 – 50,000	130	2,951,103
	3,301 – 10,000	84	535,542
Small Systems	1,001 - 3,300	77	153,510
	501 – 1,000	45	32,591
	101-500	127	32,098
	<101	89	6,387
Total		581	8,890,059

ANNUAL STATE PUBLIC WATER SYSTEM REPORTS

The annual compliance summary report provides the total annual number of violations as well as names of the systems with violations for each of six categories (MCLs, MRDLs, treatment techniques, variances and exemptions, significant monitoring violations and significant consumer notification violations). The USEPA stores these violation data in the Safe Drinking Water Information System (SDWIS) database, on which this report is based.

The USEPA has developed a tool for analyzing drinking water data called Enforcement and Compliance History Online (ECHO) (https://echo.epa.gov/?redirect=echo). The data in this report should be nearly the same as the data that can be obtained through ECHO, however differences may be attributable to New Jersey's effort to address errors and clean up violation data after the ECHO data was posted on the USEPA website.

Maximum Contaminant Levels (MCLs)

As stated above, the USEPA sets national limits on contaminant levels, known as Maximum Contaminant Levels (MCLs), in drinking water to ensure it is safe for human consumption. All adopted federal MCLs are also New Jersey MCLs.

In addition to these national standards, the 1983 amendments to the New Jersey Safe Drinking Water Act provided a list of contaminants for the New Jersey Drinking Water Quality Institute to review and recommend MCLs to the NJDEP based on specified criteria. Additionally, the New Jersey Drinking Water Quality Institute is granted authority to select additional contaminants to regulate, if needed. Both the federal Safe Drinking Water Act and New Jersey Safe Drinking Water Act require that the standards adopted by the NJDEP be equal to or stricter than federal standards. Twelve volatile organic compounds, one synthetic organic compound (chlordane), and one inorganic chemical (arsenic) have New Jersey MCLs stricter than federal MCLs. One radiological contaminant (gross alpha) must be analyzed using the 48-Hour Rapid Gross Alpha Test methodology in the Regulations Governing the Certification of Laboratories and Environmental Measurements at N.J.A.C. 7:18 (Table 2).

Table 2
Inorganic, Volatile Organic and Synthetic Organic Chemicals Regulated Differently as Primary Contaminants by NJDEP and USEPA

Contaminant	New Jersey MCL (ug/l)	USEPA MCL (ug/l)
Arsenic	5	10
Benzene	1	5
Carbon Tetrachloride	2	5
Chlordane	0.5	2
1,2-Dichloroethane	2	5
1,2-Dichloroethylene	2	7
Gross alpha (using a rapid analysis method)	15*	15
Methylene Chloride	3	5
Monochlorobenzene	50	100
Tetrachloroethylene	1	5
1,2,4-Trichlorobenzene	9	70

1,1,1-Trichloroethane	30	200
1,1,2-Trichloroethane	3	5
Trichloroethylene	1	5
Xylenes	1,000	10,000

* Captures alpha emitting radionuclides with short half-lives, such as radium-224; units are pCi/L.

Five additional volatile organic compounds are regulated as primary contaminants by New Jersey (Table 3 below) but not by the USEPA.

Table 3
Volatile Organic Compounds Regulated as Primary Contaminants by NJDEP that are not Federally Regulated

Contaminant	New Jersey MCL (ug/l)
1,3-Dichlorobenzene	600
1,1-Dichloroethane	50
Methyl tertiary Butyl Ether	70
Naphthalene	300
1,1,2,2-Tetrachloroethane	1

Violation data for all regulated contaminants and their federal and state MCLs appear in Table 9.

Maximum Residual Disinfectant Level (MRDL)

The USEPA sets national limits of residual disinfectant levels in drinking water. These limits, known as Maximum Residual Disinfectant Levels (MRDLs), means a level of a disinfectant added for water treatment that may not be exceeded at the consumer's tap without an unacceptable possibility of adverse health effects.

Treatment Techniques

The USEPA establishes treatment techniques instead of MCLs to control unacceptable levels of certain contaminants. For example, treatment techniques have been established for viruses, bacteria, and turbidity.

Variances and Exemptions

Federal primary drinking water regulations allow that variances and exemptions to specific requirements be granted in certain cases, but only if public health is protected and other conditions are met. Examples of such cases include a system that cannot meet the MCL immediately based on raw water features or a small system that cannot afford to meet non-microbial MCLs. As NJDEP never issued variances or exemptions, regulations on variances and exemptions (Subchapter 6) of the New Jersey Safe Drinking Water Act regulations were repealed effective November 4, 2004.

Monitoring

A PWS is required to monitor and verify that the levels of contaminants that may be present

in the water do not exceed the MCL or MRDLs or violate Treatment Techniques (TTs). If a PWS fails to have its water tested as required, then a monitoring violation occurs. A monitoring violation also includes failure to report test results correctly or within the required amount of time to the primacy agency.

Major categories of contaminants monitored in public community drinking water supplies are microbiological, inorganic chemicals including lead and copper, volatile organic chemicals, pesticides, radionuclides, turbidity and disinfection by-products, which include total trihalomethanes and total haloacetic acids.

Significant Consumer Notification Violations

The federal Safe Drinking Water Act requires all community water systems to produce and distribute a Consumer Confidence Report (CCR) to all customers in the system. This CCR contains summary information about the water system, including test results from the previous calendar year, "plain" language about drinking water in general, any MCL violations or action level exceedances, and sources of drinking water. Reports must be sent to customers by July 1 each year containing previous year test results; violations occur for failure to submit an annual report to their customers by July 1.

Additional Monitoring in New Jersey

Radiological analytical technique

Sampling of wells tapping southern New Jersey's Cohansey aquifer has shown elevated levels of naturally occurring radioactivity, with a significant portion of the gross alpha particle activity detected due to the presence of radium 224, a radionuclide with a half-life of 3.7 days. As there is no federal or state standard for radium 224, NJDEP requires the analysis of drinking water samples for gross alpha particle activity within 48 hours, instead of up to a year after collection, as allowed by the Federal Radiological Rule. If samples are analyzed quickly, gross alpha particle activity can be detected that would not normally be detected due to radium 224's short half-life.

Volatile Organic Chemicals, Synthetic Organic Chemicals and Radiological Monitoring

Transient non-community water systems are not required by federal law to sample for volatile organic chemicals, synthetic organic chemicals, nor radiological contaminants. State regulations, however, *require* all child care facilities that are non-community water systems to sample for all three groups of contaminants. The NJDEP occasionally receives volatile organic and synthetic organic results from transient non-community water systems other than child cares as a result of voluntary monitoring or monitoring associated with a contaminated site, and at times these results exceed their respective MCLs. In these cases, the NJDEP contacts the local health department for appropriate follow-up.

SUMMARY OF VIOLATION DATA

Individual water system MCL and treatment technique violations for community water systems appear in Appendices B and C, respectively. MCL and treatment technique violation for non-community water system appear in Appendices E and F, respectively. Appendix D lists community water system action level exceedances of the Lead and Copper Rule; non-community Lead and Copper Rule exceedances appear in Appendix G.

Following is a summary of 2016 violation data for each contaminant group, followed by consumer notification violations.

Revised Total Coliform Rule

The Revised Total Coliform Rule (RTCR), effective in April 2016, is a revision of the 1989 Total Coliform Rule (1989 TCR). Under the RTCR, systems are required to monitor for the presence of total coliform and *E. coli* in drinking water. While coliform bacteria are generally not harmful themselves, their presence in drinking water indicates a potential pathway for contamination into the distribution system. The presence of *E. coli* indicates contamination and poses a health risk. To address this risk, the RTCR determines the frequency of bacteria testing that must be conducted by each PWS. Typically, a community water system samples monthly while a non-community system samples quarterly. If coliform bacteria are found, the water system may need to conduct an assessment (Level 1 or Level 2) based on the severity of the contamination to identify problems and take corrective action.

One of the major provisions of the rule is that under the RTCR, there are no non-acute MCL violations and no Tier 2 public notification (PN) required for a confirmed total coliform positive routine sample. Instead, a Treatment Technique violation is given to systems with confirmed total coliform positives which fail to complete the required assessment. Systems that trigger a second Level 1 assessment within a rolling 12-month period are required to conduct the more comprehensive Level 2 assessment.

An acute violation under the RTCR requires the issuance of a Boil Water Advisory and occurs when the system 1) has an *E. coli*-positive repeat sample following a total coliform-positive routine sample; 2) has a total coliform-positive repeat sample following an *E. coli*-positive routine sample; 3) fails to collect all required repeat samples following an *E. coli*-positive routine sample; 4) fails to test for *E. coli* when any repeat sample tests positive for total coliform. Level 2 assessments and Tier 1 PN are required for all acute MCL violations.

Another important difference between the 1989 TCR and the RTCR is that under the RTCR, seasonal water systems must take a start-up sample prior to opening and certify that this start-up sample was taken correctly. Seasonal systems are required to monitor monthly for the duration of their operating season.

MCL Violations. Table 4A below depicts the number of acute and monthly (non-acute) violations for the past 5 years under the 1989 TCR. Since a confirmed positive routine total coliform sample no longer received a non-acute MCL violation after April 2016, the number of violations issued for 2016 only represents the period of January 2016 to March 2016. Prior to RTCR, note that in cases where the public water system had triggered an acute violation based on an *E. coli* positive sampling results, the system may also have received a non-acute violation

for the same monitoring period.

Table 4A
1989 Total Coliform Rule MCL Violations for all Public Water Systems*

1989 Total Coliform Rule MCL Violations				Systems with 1989 Total Coliform Rule MCL Violations			
Year	Acute	Monthly (non-acute)	Total	Acute	Monthly (non-acute)	Total	Percent
2016	6	24	30	4	19	23	0.6
2015	25	238	263	20	174	177	4.7
2014	32	206	238	30	162	164	4.4
2013	44	318	362	39	246	285	7.6
2012	57	325	382	49	240	254	6.7

*As of April 1, 2016, monthly violations are no longer issued under RTCR. Therefore, the number of violations in Table 4A represents those issued from January 2016 – March 2016 under the 1989 TCR.

Table 4B
Revised Total Coliform Rule MCL Violations for all Public Water Systems

	Revised Total Coliform Rule MCL Violations			Systems with Revised Total Coliform Rule MCL Violations		
Year	Acute	Treatment Technique	Total	Acute	Treatment Technique	Total
2016	13	51	64	12	50	62

Following the implementation of the RTCR, there were 13 *E. coli* positive MCL violations at 12 public water systems. Three were nontransient non-community water systems and 9 transient non-community water systems. Treatment technique violations are now issued for systems that fail to complete the required Level 1 or Level 2 assessment. There were 37 treatment technique violations received by 36 water systems that failed to complete the required Level 1 assessment. Of those 36 systems, two were community water systems, two were nontransient non-community water systems, and 32 were transient non-community water systems. Thirteen water systems received 14 treatment technique violations for triggering a second Level 1 assessment thereby requiring a Level 2 assessment and failing to complete the assessment.

In order to continue improving microbiological compliance, the Bureau of Water Systems Engineering staff began dedicating more time towards improving overall compliance at public water systems, including more one-on-one consultations with representatives from the public water systems, field visits to identify problems and additional training for the County Environmental Health Agencies responsible for oversight of the non-community water systems. Also prior to the April 1, 2016 implementation date, NJDEP began using the RTCR assessment forms, required under the RTCR, to start to process of identifying problems when an MCL violation occurred at a public water system. Since almost all community water systems in New Jersey disinfect their water, the number of water systems with violations is expected to remain low.

Monitoring/Reporting Violations Under the RTCR, monitoring and reporting violations are

tracked separately as two different violations and not combined as a single monitoring and reporting violation as they were under the 1989 TCR. Table 5A below depicts the 1989 TCR major and minor monitoring/reporting violations (66) for all public water systems in the first quarter of 2016. After April 2016, there were 318 major routine monitoring violations received by 216 water systems as depicted in Table 5B below. There were 15 monitoring violations for additional routine monitoring received by 15 water systems. 242 public water systems received a total of 350 reporting violations for failing to monitor or failing to report sample results.

Table 5A
1989 Total Coliform Rule Monitoring/Reporting Violations for all PWS

Year	1989 TCR Monitoring/Reporting Violations	Systems with 1989 TCR Monitoring/Reporting Violations	Percentage of Systems that Missed Sampling at Least Once During the Year
2016	66	64	1.7
2015	313	240	6
2014	358	269	7
2013	435	326	9
2012	530	395	11

Table 5B
Revised Total Coliform Rule Monitoring/Reporting Violations for all PWS

Year	RTCR Monitoring Violations	Systems with RTCR Monitoring Violations	RTCR Reporting Violations	Systems with RTCR Reporting Violations
2016 (4/1 – 12/31)	333	231	350	242

Ground Water Rule Implementation

The Federal Ground Water Rule (GWR) effective December 1, 2009, is designed to increase protections against microbial pathogens, such as *E. coli* and viruses, in PWS that use ground water sources. The major provisions of the rule require periodic sanitary surveys to identify deficiencies that could lead to contamination, trigger source water monitoring when total coliform is detected in the distribution system and take corrective action to reduce the risk to drinking water consumers from any identified deficiencies

In 2016, 41 systems had 36 GWR M&R violations assessed for failure to conduct timely triggered *E. coli* sampling after a routine total coliform positive collected under the either the TCR or the Revised Total Coliform Rule (RTCR). Two systems had a total of three M&R violations for failing to conduct monthly assessment monitoring of raw water wells identified as "at risk" based on previous sampling events. Two systems had two treatment technique violations for failure to address contamination within the 120-day deadline under the rule. Finally, 15 M&R violations were issued for eight water systems certified for 4-log virus inactivation for failure to meet chlorine analysis requirements.

Disinfectant and Disinfection By-Product Rule – Total Trihalomethanes, Total Haloacetic Acids and Disinfectant Byproduct Precursors

The Stage 2 Disinfectants and Disinfection Byproduct Rule (Stage 2) requires PWS that add a chemical disinfectant to the drinking water treatment process or deliver disinfected water to conduct monitoring for compliance with the MCL based on a locational running annual average (LRAA). Stage 2 builds on the existing requirements under the Stage 1 Disinfectant and Disinfection Byproduct Rule (Stage 1) to provide greater protection from potential cancer, reproductive and developmental risks from Disinfection By-Products (DPBs) such as trihalomethanes (TTHMs) and haloacetic acids (HAA5s).

Table 6
Stage 2 DBP Violations for all PWS

TTHM/HAA5	*# Systems with MCL Violations*	*# MCL Violations*		*# Systems with M&R Violations*	*# M&R Violations*		*TT Violations*
		HAA5	TTHM		HAA5	TTHM	
	9	2	17	48	43	32	1

Table 6 summarizes the number of MCL, M/R and TT violations for compliance year 2016 under the Stage 1 and Stage 2 rules. As of October 2013, all PWS that add a chemical disinfectant to the drinking water treatment process or deliver disinfected water are monitoring under requirements of the Stage 2 rule.

Additionally, in 2016 the NJDEP continued to run compliance under the Stage 2 rule for monitoring in accordance with the MRDL for chlorine at the same location as samples are collected for compliance with the Revised Total Coliform Rule. This resulted in a total of 327 M/R violations for 104 public water systems. Many of these violations were for late reporting of disinfectant residual results. In 2016, the Division began accepting disinfectant residuals electronically through the E2 system to improve compliance and allow for better tracking of results. Therefore, the number of violations is expected to drop in the next year.

Surface Water Treatment Rules

The Surface Water Treatment Rules (SWTRs) establish standards for the treatment of surface water systems and groundwater under the direct influence of surface water systems. PWS subject to the SWTR are required to achieve a minimum of 2 log removal and/or inactivation of cryptosporidium, 3 log removal and/or inactivation of *Giardia lamblia* and 4 log removal and/or inactivation of virus through filtration and disinfection. For systems using conventional filtration or direct filtration, the turbidity level of representative samples of a system's filtered water must be less than or equal to 0.3 NTU (nephelometric turbidity units) in at least 95 percent of the measurements taken each month. The turbidity level of representative samples of a system's filtered water must at no time exceed 1 NTU. There were no violations of the turbidity standard in 2016.

In 2016, 21 water systems were required to sample for cryptosporidium and *E. coli* under the Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR) from 25 source water

locations. There were 3 Monitoring/Reporting Violations received by 2 of those systems.

Under the SWTRs, all surface water and surface water purchasing systems are required to maintain a detectable disinfectant residual in the distribution system. In 2016, there were 12 treatment technique violations at 6 community water systems (Berlin Water Department, Ancora Psychiatric Hospital, Belleville Water Department, Newark Water Department, NJAW-Edison, and Avon by the Sea Water Department.) for failure to maintain a detectable residual in the distribution system.

NJDEP and USEPA continued joint sanitary surveys at several surface water systems including Salem Water Department, New Jersey Water Supply Authority (Manasquan) and Trenton Water Works. By participating in these inspections, NJDEP staff gained valuable training on SWTR issues and has increased compliance efforts on these rules.

NJDEP continues to follow-up on the results of the sanitary surveys with USEPA and anticipates that a greater emphasis on SWTR issues will continue to take place during calendar year 2017.

Volatile Organic Compounds (VOC) Rule

MCL Violations There were three MCL violations for VOCs in 2016 at three systems: one community and two non-community water systems. There were no MCL violations for VOCs in 2015. There were 2 MCL violations for tetrachloroethylene for one non-community water system (Rudox Engine & Equipment, NJ0205300) that monitored for VOCs in 2014. This is a decrease from 2013 when there were 2 violations at 2 community water systems (trichloroethylene and tetrachloroethylene), 2 violations at 2 TNC systems and 3 violations at 2 NTNC systems. There were no MCL violations in 2012.

Table 7
Volatile Organic Compound Monitoring/Reporting Violations

Year	Volatile Organic Compound Monitoring/Reporting Violations*	Systems with Volatile Organic Compound Monitoring/Report Violations
2016	1,311	53
2015	1,096	43
2014	474	24
2013	1,139	45
2012	665	30

*A VOC analysis includes 26 analytes: each missed sample is counted as 26 M&R violations.

Monitoring/Reporting Violations As seen in Table 7, in 2016, the total number of monitoring/reporting violations for VOCs was 1,311 issued to 53 water systems. Both the number of monitoring/reporting violations, as well as the systems with monitoring/reporting violations increased from 2015.

Synthetic Organic Compounds (SOCs) Rule

MCL Violations Every three years, most surface water intakes and selected, vulnerable groundwater sources of drinking water are sampled for SOCs in order to fulfill the requirements

of the USEPA-approved SOC waiver program in New Jersey. Surface water samples are taken under both storm flow conditions and base flow conditions. Raw water samples (before any treatment) are taken from ground water sources. The results from these "screening samples" determine whether systems must monitor for SOCs. As a result of the most recent round of screening samples taken 2014-2016, most water systems received SOC sampling waivers. There were no MCL violations in 2016.

Monitoring/Reporting Violations. During 2016, there were 12 water systems that were required to monitor either quarterly or annually based on detections of SOCs. Three systems were issued monitoring and reporting violations for failure to monitor for one or more of the SOC analytes. The results were either submitted late or the sampling was conducted outside the seasonal collection period.

Inorganic Chemicals (IOCs) Rule

MCL Violations In 2016, there were two arsenic MCL violations at one nontransient non-community system (The Manor Restaurant) and 28 nitrate MCL violations at 23 systems. Of those 23 systems with nitrate violations, three were community systems; three were nontransient non-community systems; and 17 were transient non-community systems. There were no MCL violations for inorganic chemicals other than nitrate and arsenic in 2016.

In 2015, 24 nitrate MCL violations and 4 arsenic MCL violations occurred at 2 community water systems and 15 non-community water systems. The four arsenic MCL violations occurred at 1 community (Verona Water Department) and 2 non-community water systems (Hopewell Valley Golf Course #6; Tree Farm Village, 2 violations). In 2014, there were no MCL violations for inorganic chemicals other than nitrate. There were no MCL violations for inorganic chemicals other than nitrate and arsenic in 2015.

Table 8
Inorganic Chemical MCL and Monitoring/Reporting Violations

Year	MCL Violations	Systems with MCL Violations	Percent	Monitoring/ Reporting Violations*	Systems with Monitoring/ Reporting Violations	Percent
2016	30	24	0.7	606	193	4.8
2015	28	20	0.5	98	88	2.4
2014	21	12	0.3	93	86	2.3
2013	12	10	0.3	117	97	2.6
2012	8	6	0.2	130	124	3.3

*An inorganic chemical analysis includes up to 13 analytes: each missed sample may be counted as multiple M&R violations.

Monitoring/Reporting Violations In 2016, there were a total of 606 monitoring and reporting violations at 193 systems for inorganics including nitrate, antimony, arsenic, barium, beryllium, cadmium, chromium, cyanide, fluoride, mercury, nickel, selenium and thallium. Of the 606 violation, 160 were for failure to monitor and report results for nitrate. The increase in the number of violations from 2015 is attributed to the fact that 2016 is the end of the current 3-year compliance cycle. Any systems on a triennial monitoring schedule that failed to collect or report sample results were issued a violation in 2016.

According to federal regulations, States can issue monitoring waivers for asbestos. The NJDEP issues waivers for asbestos monitoring according to the USEPA-approved asbestos waiver program for New Jersey. The current nine-year compliance cycle is from 2011-2019. Community and nontransient non-community water systems were notified that they received an asbestos waiver or were informed of their monitoring requirements in late 2012. All systems that were required to sample had to do so during the first three years of the compliance cycle (2011-2013). Therefore, there were no violations in 2016.

Radiological Rule

MCL Violations During 2016, 5 community water systems and four nontransient non-community water systems violated the gross alpha standard. Five community water systems and 1 nontransient non-community violated the radium 226/228 standard. There were a total of 38 violations at 15 water systems.

During 2015, three community water systems and two non-transient non-community water systems violated the gross alpha standard. Three community water systems and 1 nontransient non-community violated the radium 226/228 standard. There were a total of 19 violations at 6 water systems. Under the federal rule, non-community water systems are not required to monitor for radiological contaminants.

Monitoring/Reporting Violations Twenty-three monitoring/reporting violations in 17 systems were incurred for gross alpha, 28 M&R violations in 19 systems for radium 226/228, and 20 M&R violations in 14 systems for uranium, for a total of 71 violations for 2016 at 24 different water systems.

Lead and Copper Rule (LCR)

In January 2015, the Division of Water Supply and Geoscience (Division) began a self-assessment and determined that improvements to implementation of the LCR were necessary to ensure consistency throughout the State. The Division initially focused their assessment on the Water Quality Parameter (WQP) monitoring and corrosion control treatment sections of the Rule. In early 2016, due to events outside of New Jersey, lead in drinking water became a matter of national discussion, and as a result, the Division and USEPA began further re-evaluating all components and requirements of the Rule. Community and nontransient non-community water systems are required to submit their Lead and Copper and Water Quality Parameter Sampling Plans for review and approval. During 2016, there were three systems, one community water system and two nontransient non-community water systems, that each received treatment technique violations for WQP non-compliance. Compliance is also being run on all LCR requirements following a lead action level exceedance and the Division will issue Notices of noncompliance for any violation.

Action Level Exceedances In 2016, 34 Action Level exceedances (ALEs) for lead occurred for 6 community, 26 nontransient non-community water systems, and 1 transient non-community water systems, while 23 copper ALEs occurred for 5 community,15 nontransient non-community water systems, and 1 transient non-community water systems. Under the federal rule, transient non-community water systems are not required to monitor for lead and copper. However, New Jersey's child care rules at N.J.A.C. 10:122-5.2(i)4 require daycare systems classified as a

transient non-community water system to monitor for lead and copper as if they were a nontransient non-community water system. ALEs are issued for these transient systems and assigned a state-type violation code of L1 or C1.

Monitoring/Reporting Violations In 2016, there were 140 M/R violations for 84 systems.

Consumer Notification Violations

Eighty community water systems (CWS) did not send copies of their 2016 Consumer Confidence Report (CCR), representing 2015 drinking water test results, to the NJDEP by July 1, 2016 and were issued CCR reporting violations. In 2015, seventy-two community water systems failed to send copies of the CCR to the NJDEP on time.

SDWIS CODES	CONTAMINANT or VIOLATION TYPE DESCRIPTION	MCL/MRDL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting (only monitoring for RTCR)		Significant Reporting	
		Federal MCL/MRDL	State MCL/ MRDL (if different)	Number of Violations	No. of Systems w/ Violations	Number of Violations	No. of Systems w/ Violations	Number of Violations	No. of Systems w/ Violations	Number of Violations	No. of Systems w/ Violations
REVISED TOTAL COLIFORM RULE (RTCR)											
21	Acute MCL Violation	Presence		7	4						
22	Non-acute (monthly) MCL violation	Presence		26	19						
23, 25	Major routine and follow up							66	64		
28	Sanitary survey							0	0		
1A (3014)	E. Coli Positive MCL			13	12						
2A (8000)	Lvl 1 Assessment Mult TC Pos					37	36				
2B (8000)	Lvl 2 Assessment for 2nd Lvl 1					14	13				
3A (3014)	Monitoring, routine, major							318	216		
3B (3014)	Monitoring, Add. routine, major							15	15		
4B (3014)	Report Sample Result/ Fail Monitor									350	242
5A (8000)	Sample Siting Plan errors									15	15
	SUBTOTAL RTCR:			**46**	**35**	**51**	**49**	**399**	**295**	**365**	**257**

*Values are in milligrams per liter (mg/l) unless otherwise specified.

SDWIS CODES	CONTAMINANT or VIOLATION TYPE DESCRIPTION	MCL/MRDL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL/ MRDL	State MCL/ MRDL (if different)	Number of Violations	No. of Systems w/ Violations	Number of Violations	No. of Systems w/ Violations	Number of Violations	No. of Systems w/ Violations
GROUND WATER RULE (GWR)									
19	GWR Assessment Monitoring							3	2
20	Failure to consult							0	0
31	Monitoring 4-log systems							15	8
34	Monitoring triggered/additional							41	36
45	Failure to address deficiency					0	0		
48	Failure to address contamination					2	2		
	SUBTOTAL GWR:					**2**	**2**	**59**	**46**
STAGE 1 & 2 DISINFECTANTS AND DISINFECTION BYPRODUCTS RULE (STAGE 1 & 2 DBP)									
27	Monitoring and Reporting (46 HAA5 and 43 TTHM)							75	48
27	Monitoring and Reporting (Chlorine)							327	104
12, 37, 46	Treatment Techniques					1	1		
SUBTOTAL STAGE 1 & 2 DBP:						**1**	**1**	**402**	**152**

*Values are in milligrams per liter (mg/l) unless otherwise specified.

SURFACE WATER TREATMENT RULE (SWTR)									
32	Monitoring, Source (LT2)							4	2
	Filtered systems								
36	Monitoring, routine/repeat							46	35
41	Treatment techniques					12	6		
	Unfiltered systems								
31	Monitoring, routine/repeat							15	8
42	Failure to filter					0	0		
	SUBTOTAL SWTR:					**12**	**6**	**65**	**45**
INTERIM ENHANCED SURFACE WATER TREATMENT RULE (IESWTR)									
	Filtered systems								
38	Monitoring, routine/repeat							1	1
37	Treatment techniques					0	0		
43	Treatment techniques					0	0		
44	Treatment techniques					0	0		
47	Treatment Techniques					0	0		
	SUBTOTAL IESWTR:					**0**	**0**	**1**	**1**
ORGANIC CONTAMINANTS (OC)									
2981	1,1,1-Trichloroethane	0.2	0.03	0	0			62	48
2977	1,1-Dichloroethylene	0.007	0.002	0	0			62	48
2985	1,1,2-Trichloroethane	0.005	0.003	0	0			62	48
2378	1,2,4-Trichlorobenzene	0.07	0.009	0	0			62	48
2931	1,2-Dibromo-3-chloropropane (DBCP)	0.0002		0	0			0	0
2980	1,2-Dichloroethane	0.005	0.002	1	1			62	48
2983	1,2-Dichloropropane	0.005		0	0			62	48
2063	2,3,7,8-TCDD (Dioxin)	$3x10^{-8}$		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2110	2,4,5-TP	0.05		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2105	2,4-D	0.07		0	0			0	0
2265	Acrylamide					0	0		

*Values are in milligrams per liter (mg/l) unless otherwise specified.

2051	Alachlor	0.002		0	0			0	0
2050	Atrazine	0.003		0	0			0	0
2990	Benzene	0.005	0.001	0	0			63	49
2306	Benzo[a]pyrene	0.002		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2046	Carbofuran	0.04		0	0			0	0
2982	Carbon tetrachloride	0.005	0.002	0	0			62	48
2959	Chlordane	0.002	0.0005	Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2380	Cis-1,2-Dichloroethylene	0.07		0	0			62	48
2031	Dalapon	0.2		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2035	Di(2-ethylhexyl)adipate	0.4		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2039	Di(2-ethylhelxyl)phthalate	0.006		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2964	Methylene chloride	0.005	0.003	0	0			62	48
2041	Dinoseb	0.007		0	0			0	0
2032	Diquat	0.02		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2033	Endothall	0.1		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2005	Endrin	0.002		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2257	Epichlorohydrin					0	0		
2992	Ethylbenzene	0.7		0	0			63	49
2946	Ethylene dibromide (EDB)	0.00005		0	0			0	0
2034	Glyphosate	0.7		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2065	Heptachlor	0.00004		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2067	Heptachlor epoxide	0.0002		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2274	Hexachlorobenzene	0.001		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2042	Hexachlorocyclopentadiene	0.05		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver

*Values are in milligrams per liter (mg/l) unless otherwise specified.

2010	Lindane	0.0002		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2015	Methoxychlor	0.04		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2989	Monochlorobenzene	0.1	0.05	0	0			63	49
2968	1,2-Dichlorobenzene	0.6		0	0			62	48
2969	1,4-Dichlorobenzene	0.075		0	0			62	48
2383	Total polychlorinated biphenyls	0.0005		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2326	Pentachlorophenol	0.001		0	0			0	0
2987	Tetrachloroethylene	0.005	0.001	1	1			62	48
2984	Trichloroethylene	0.005	0.001	1	1			62	48
2996	Styrene	0.1		0	0			63	49
2991	Toluene	1		0	0			62	48
2979	Trans-1,2-Dichloroethylene	0.1		0	0			62	48
2955	Xylenes (total)	10	1	0	0			67	49
2020	Toxaphene	0.003		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2036	Oxamyl	0.2		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2040	Picloram	0.5		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2037	Simazine	0.004		Statewide waiver	Statewide water			Statewide waiver	Statewide waiver
2976	Vinyl chloride	0.002		0	0			62	48
2967	1,3-Dichlorobenzene		0.6	0	0	1	1	0	0
2978	1,1-Dichloroethane		0.05	0	0	1	1	0	0
2251	Methyl tertiary-butyl ether		0.07	0	0	1	1	0	0
2248	Napthalene		0.3	0	0	1	1	0	0
2988	1,1,2,2-Tetrachloroethane		0.001	0	0	1	1	0	0
SUBTOTAL OC:				**3**	**3**	**5**	**5**	**1,311**	**1,013**

*Values are in milligrams per liter (mg/l) unless otherwise specified.

INORGANIC CONTAMINANTS (IOC)									
1074	Antimony	0.006		0	0			34	19
1005	Arsenic	0.01	0.005	2	1			49	33
1094	Asbestos	7 million fibers/l >10 μ m/l		0	0			0	0
1010	Barium	2		0	0			34	19
1075	Beryllium	0.004		0	0			34	19
1015	Cadmium	0.005		0	0			43	25
1020	Chromium	0.1		0	0			34	19
1024	Cyanide (as free cyanide)	0.2		0	0			39	23
1025	Fluoride	4.0		0	0			36	21
1035	Mercury	0.002		0	0			41	23
1036	Nickel							34	19
1040	Nitrate	10 (as Nitrogen)		28	23			159	147
1041	Nitrite	1 (as Nitrogen)		0	0			0	0
1045	Selenium	0.05		0	0			34	19
1085	Thallium	0.002		0	0			35	20
1038	Total nitrate and nitrite	10 (as Nitrogen)		See SDWIS code 1040	See SDWIS code 1040			See SDWIS code 1040	See SDWIS code 1040
	SUBTOTAL IOC:			**30**	**24**			**606**	**406**
RADIONUCLIDES (RADS)									
4000	Gross alpha	15 pCi/l		19	9			23	17
4010	Radium-226 and -228	5 pCi/l		19	6			28	19
4020	Radium-226							0	0
4030	Radium-228							0	0
4101	Gross beta	4 mrem/yr		0	0			0	0
4006	Uranium	30 µg/l		0	0			20	14
	SUBTOTAL RADS:			**38**	**15**			**71**	**50**

*Values are in milligrams per liter (mg/l) unless otherwise specified.

LEAD AND COPPER RULE (LCR)									
PB/L1	Lead	15 µg/l		34	33	2	2		
CU/C1	Copper	1,300 µg/l		23	21	1	1		
51	Initial lead and copper tap							6	5
52	Follow-up or routine tap							22	21
53	Water quality parameter							104	50
56	Initial/follow-up/routine							2	2
58,62	Treatment installation					0	0		
57	Submit CCT for NC/NP Sys							6	6
59	WQP Level Non-compliance					3	3		
65	Public Education					5	5		
	SUBTOTAL LCR:			**57**	**54**	**12**	**12**	**140**	**84**
CONSUMER CONFIDENCE REPORTING (CCR)									
71	Significant Consumer Notification Violations							80	80
	SUBTOTAL CCR:							**80**	**80**

*Values are in milligrams per liter (mg/l) unless otherwise specified.

Definitions for Violations Table

The following definitions apply to the Violations Table:

Consumer Confidence Reports: SDWIS Violation Code 71 indicates that a Community Water System failed to submit a Consumer Confidence Report as required by the federal Safe Drinking Water Act.

Filtered Systems: Water systems that have installed filtration treatment [40 CFR 141, Subpart H].

Inorganic Contaminants: Non-carbon-based compounds such as metals, nitrates, and asbestos. These contaminants are naturally occurring in some water, but can get into water through farming, chemical manufacturing, and other human activities. USEPA has established MCLs for 15 inorganic contaminants [40 CFR 141.62].

Interim Enhanced Surface Water Treatment Rule (IESWTR): IESWTR establishes criteria under which water systems supplied by surface water sources, or ground water sources under the direct influence of surface water, must filter and disinfect their water [40 CFR 141, Subpart P]. Violations of the IESWTR are to be reported for the following two categories:

Treatment techniques (for filtered systems): Treatment technique violation codes show a system's failure to properly treat its water. SDWIS Violation Codes 37 is for a change in disinfection without state approval. SDWIS Violation Code 43 is for failure to achieve turbidity <1.0 NTU in all samples. SDWIS Violation Code 44 is for failure to achieve turbidity < 0.3 NTU in 95% of samples and SDWIS Violation Code 47 is for construction of uncovered finished water storage cell.

Monitoring Reporting (for filtered systems): A major Interim Enhanced Surface Water Treatment Rule (IESWTR) monitoring/reporting violation occurs under the following seven conditions:

SDWIS Violation code 29 occurs under the following conditions:

- Failure to report filter profile after turbidity > 0.5 in two consecutive measurements 15 minutes apart after first 4 hours after filter taken offline.
- Failure to report filter profile after turbidity >1.0 in 2 consecutive measurements, 15 minutes apart.
- Failure to report self-assessment of filter within 14 days of turbidity exceedance (>1.0 in 2 consecutive measurements 15 minute apart, 3 consecutive months.)
- Failure to conduct CPE within 30 days after turbidity exceedance (>2.0 in 2 consecutive measure. 15 min apart, 2 consecutive months.)

SDWIS Violation Code 38 occurs under the following conditions:

- Collecting < 90% of filter effluent samples for turbidity and reporting within 10 days after each month.
- Failure to report that the public water system has conducted all filter monitoring to state within 10 days after end of each month.
- Failure to report that the system exceeded turbidity standard in representative samples by end of next business day.

A minor violation under the IESWTR of SDWIS code 38 occurs for any other failure to monitor and report.

Record Keeping Violation: SDWIS Violation Code 09 is for any record keeping violation which occurs when there is a failure to maintain filter monitoring records for 3 years (filter results every 15 minutes).

Lead and Copper Rule: This rule established national limits on lead and copper in drinking water [40 CFR 141.80-91]. Lead and copper corrosion pose various health risks when ingested at any level, and can enter drinking water from household pipes and plumbing fixtures. States report violations of the Lead and Copper Rule in the following six categories:

Initial lead and copper tap monitoring/reporting: SDWIS Violation Code 51 indicates that a system did not meet initial lead and copper testing requirements, or failed to report the results of those tests to the State.

Follow-up or routine lead and copper tap monitoring/reporting: SDWIS Violation Code 52 indicates that a system did not meet follow-up or routine lead and copper tap testing requirements, or failed to report the results.

Treatment installation: SDWIS Violation Codes 58 AND 62 indicate a failure to install optimal corrosion control treatment system (58) or source water treatment system (62) which would reduce lead and copper levels in water at the tap. [One number is to be reported for the sum of violations in these two categories].

Public education: SDWIS Violation Code 65 shows that a system did not provide required public education about reducing or avoiding lead intake from water.

Maximum Contaminant Level (MCL): The highest amount of a contaminant that USEPA or NJDEP allows in drinking water. MCLs ensure that drinking water does not pose either a short-term or long-term health risk. MCLs are defined in milligrams per liter (parts per million) unless otherwise specified.

Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Monitoring: USEPA specifies which water testing methods the water systems must use, and sets schedules for the frequency of testing. A water system that does not follow the USEPA or NJDEP schedule or methodology is in violation [40 CFR 141]. States must report monitoring violations that are significant as determined by the USEPA Administrator and in consultation with the States. For purposes of this report, significant monitoring violations are major violations and they occur when no samples are taken or no results are reported during a compliance period. A major monitoring violation for the surface water treatment rule occurs when at least 90% of the required samples are not taken or results are not reported during the compliance period.

Organic Contaminants: Carbon-based compounds, such as industrial solvents and pesticides. These contaminants generally get into water through runoff from cropland or discharge from factories. USEPA has set legal limits on 54 organic contaminants that are to be reported [40 CFR 141.61].

Radionuclides: Radioactive particles, which can occur naturally in water or result from human activity. USEPA has set legal limits on four types of radionuclides: radium-226, radium-228, gross alpha, and beta particle/photon radioactivity [40 CFR 141]. Violations for these contaminants are to be reported using the following three categories:

Gross alpha: SDWIS Contaminant Code 4000 for alpha radiation above MCL of 15 picocuries/liter. Gross alpha includes radium-226 but excludes radon and uranium.

Combined radium-226 and radium-228: SDWIS Contaminant Code 4010 for combined radiation from these two isotopes above MCL of 5 pCi/L.

Gross beta: SDWIS Contaminant Code 4101 for beta particle and photon radioactivity from man-made radionuclides above 4 millirem/year.

Reporting Interval: The reporting interval for violations to be included in the Public Water System Annual Compliance Report, which is to be submitted to USEPA by June 30 of each year. This interval will change for future annual reports.

SDWIS Code: Specific numeric codes from the Safe Drinking Water Information System (SDWIS) have been assigned to each violation type included in this report. The violations to be reported include exceeding contaminant MCLs, failure to comply with treatment requirements, and failure to meet monitoring/reporting (M/R) requirements. Four-digit SDWIS Contaminant Codes have also been included in the chart for specific MCL contaminants.

Surface Water Treatment Rule (SWTR): The Surface Water Treatment Rule establishes criteria under which water systems supplied by surface water sources, or ground water sources under the direct influence of surface water, must filter and disinfect their water [40 CFR 141, Subpart H].

Violations of the "Surface Water Treatment Rule" are to be reported for the following four categories:
Monitoring, routine/repeat (for filtered systems): SDWIS Violation Code 36 indicates a system's failure to carry out required tests, or to report the results of those tests.
Treatment techniques (for filtered systems): SDWIS Violation Code 41 shows a system's failure to properly treat its water.
Monitoring, routine/repeat (for unfiltered systems): SDWIS Violation Code 31 indicates a system's failure to carry out required water tests, or to report the results of those tests.
Failure to filter (for unfiltered systems): SDWIS Violation Code 42 shows a system's failure to properly treat its water. Data for this violation code will be supplied to the States by USEPA.

Stage 1/2 Disinfectants and Disinfection Byproducts Rule (Stage 1/2 DBPR): This rule applies to all community water systems and nontransient non-community water system that add a chemical disinfectant in any part of the drinking water treatment process and transient non-community water system using chlorine dioxide The Stage 1/2 DBPR includes maximum residual disinfectant levels (MRDLs) and maximum residual disinfectant level goals (MRDLGs) which are similar to MCLs and MCLGs (Maximum Contaminant Level Goals, or health-based goals) but for disinfectants. [40 CFR 141, Subpart L]. Violations of the Stage 1/2 DBPR are to be reported for the following three categories:

Treatment Techniques: SDWIS Violation Code 12 is for failure to have a qualified operator. SDWIS Code 37 is for failure to get state approval for a change in treatment. SDWIS Code 46 is for failure to meet disinfectant byproduct precursor removal (TOC).

Maximum Contaminant Level (MCL) and Maximum Residual Disinfectant Levels (MRDL):

SDWIS Violation Code 02 is an MCL Violation that occurs when:

- Average of any three-sample set exceeds the MCL of 1.0 mg/L for chlorite.
- Running annual averages computed quarterly of monthly samples exceeds the MCL of 0.010 mg/L for bromate.
- Running annual averages computed quarterly of quarterly averages of available samples exceeds 0.060 mg/L for HAA5.
- Running annual averages computed quarterly of quarterly averages of available samples exceeds 0.080 mg/L for TTHM.

SDWIS Violation Code 11 is an MRDL Violation that occurs when:

- Any two consecutive daily samples exceed 0.8 mg/L and all distribution samples are less than 0.8 mg/L for chlorine dioxide (non-acute violation).
- Annual average computed quarterly, of monthly averages exceeds 4.0 mg/L for chloramines (exception if microbial contamination problems).

- There is an exceedance of MRDL of 4.0 mg/L for chlorine (exception of microbial contamination problems in distribution system).

SDWIS Violation Code 13 is an MRDL violation that occurs when:

- Any of three required distribution samples taken on day after a daily entry point sample MRDL exceeds 0.8 mg/L for chlorine dioxide (acute violation).

Monitoring Reporting: SDWIS Violation Code 27 addresses insufficient sample collection for samples required under the Stage 1/2 DBPR.

1989 Total Coliform Rule: The Total Coliform Rule establishes regulations for microbiological contaminants in drinking water. These contaminants can cause short-term health problems. If no samples are collected during the one-month compliance period, a significant monitoring violation occurs. States are to report four categories of violations:

Acute MCL violation: SDWIS Violation Code 21 indicates that the system found fecal coliform or E. coli, potentially harmful bacteria, in its water, thereby violating the rule.

Non-acute MCL violation: SDWIS Violation Code 22 indicates that the system found total coliform in samples of its water at a frequency or at a level that violates the rule. For systems collecting fewer than 40 samples per month, more than one positive sample for total coliform is a violation. For systems collecting 40 or more samples per month, more than 5% of the samples positive for total coliform is a violation.

Major routine and follow-up monitoring: SDWIS Violation Codes 23 AND 25 shows that a system did not perform any monitoring. [One number is to be reported for the sum of violations in these two categories.]

Sanitary Survey: SDWIS Violation Code 28 indicates a major monitoring violation if a system fails to collect 5 routine monthly samples if sanitary survey is not performed.

Revised Total Coliform Rule: The Revised Total Coliform Rules updated established regulations for microbiological contaminants in drinking water. States report the following types of violations:

E. coli Positive MCL: SDWIS Violation Code 1A indicates that the system found E. coli, potentially harmful bacteria, in its water, thereby violating the rule.

Treatment Technique Violation: SDWIS Violation Codes 2A or 2B shows that a system has failed to complete the required Level 1 or Level 2 assessment.

Major Routine and Additional Monitoring Violations: SDWIS Violation Codes 3A and 3B shows that a system did not perform the required monitoring.

Reporting Violation: SDWIS Violation Code 4B shows that the system performed required monitoring but did not report the results before the 10th day of the following month.

Sampling Siting Plan: SDWIS Violation Code 5A shows that the system failed to produce a completed sample siting plan upon request by the State or administrative authority.

Treatment Techniques: A water disinfection process that USEPA requires instead of an MCL for contaminants that laboratories cannot adequately measure. Failure to meet other operational and system requirements under the Surface Water Treatment and the Lead and Copper Rules have also been included in this category of violation for purposes of this report.

Unfiltered Systems: Water systems that do not need to filter their water before disinfecting it because the source is very clean [40 CFR, Subpart H].

Violation: A failure to meet any state or federal drinking water regulation.

Appendix A

The Safe Drinking Water Act Amendments of 1996 includes the following as a specific requirement:

(A) ANNUAL REPORT BY STATE

Section 1414(c)(3)(A)(i)

IN GENERAL – Not later than January 1, 1998, and annually thereafter, each State that has primary enforcement responsibility under section 1413 shall prepare, make readily available to the public, and submit to the Administrator an annual report on violations of national primary drinking water regulations by public water systems in the State, including violations with respect to (I) maximum contaminant levels, (II) treatment requirements, and (III) variances and exemptions, and (IV) monitoring requirements determined to be significant by the Administrator (of USEPA) after consultation with the States.

Section 1414(c)(3)(A)(ii)

DISTRIBUTION – The State shall publish and distribute summaries of the report and indicate where the full report is available for review.

Appendix B: Community Water System 2016 MCL Violations

		Contaminant/Rule		Violation Type				
PWSID	PWS Name	Code	Name	Code	Name	Begin	End	RTC Date*
NJ0211001	ELMWOOD PARK WATER DEPT	2950	TTHM	02	MCL, LRAA	01-Oct-16	31-Dec-16	
NJ0221001	GARFIELD WATER DEPARTMENT	2987	TETRACHLOROETHYLENE	02	MCL, AVERAGE	01-Jan-16	31-Mar-16	10-Jan-17
NJ0301001	BUTTONWOOD MOBILE HOME PARK	4010	COMBINED RADIUM (-226 & -228)	02	MCL, AVERAGE	01-Oct-16	31-Dec-16	
NJ0301001	BUTTONWOOD MOBILE HOME PARK	4010	COMBINED RADIUM (-226 & -228)	02	MCL, AVERAGE	01-Jul-16	30-Sep-16	
NJ0301001	BUTTONWOOD MOBILE HOME PARK	4000	GROSS ALPHA, EXCL. RADON & U	02	MCL, AVERAGE	01-Oct-16	31-Dec-16	
NJ0301001	BUTTONWOOD MOBILE HOME PARK	4010	COMBINED RADIUM (-226 & -228)	02	MCL, AVERAGE	01-Jan-16	31-Mar-16	
NJ0301001	BUTTONWOOD MOBILE HOME PARK	4000	GROSS ALPHA, EXCL. RADON & U	02	MCL, AVERAGE	01-Jul-16	30-Sep-16	
NJ0301001	BUTTONWOOD MOBILE HOME PARK	4010	COMBINED RADIUM (-226 & -228)	02	MCL, AVERAGE	01-Apr-16	30-Jun-16	
NJ0612001	BAYSHORE MOBILE HOME PARK	4010	COMBINED RADIUM (-226 & -228)	02	MCL, AVERAGE	01-Jan-16	31-Mar-16	24-Oct-16
NJ0612001	BAYSHORE MOBILE HOME PARK	4000	GROSS ALPHA, EXCL. RADON & U	02	MCL, AVERAGE	01-Jul-16	30-Sep-16	24-Oct-16
NJ0612001	BAYSHORE MOBILE HOME PARK	4000	GROSS ALPHA, EXCL. RADON & U	02	MCL, AVERAGE	01-Apr-16	30-Jun-16	24-Oct-16
NJ0612001	BAYSHORE MOBILE HOME PARK	4000	GROSS ALPHA, EXCL. RADON & U	02	MCL, AVERAGE	01-Jan-16	31-Mar-16	23-Mar-16
NJ0612001	BAYSHORE MOBILE HOME PARK	4010	COMBINED RADIUM (-226 & -228)	02	MCL, AVERAGE	01-Apr-16	30-Jun-16	24-Oct-16
NJ0614005	UNITED MOBILE HOMES OF VINELAND	1040	NITRATE	02	MCL, AVERAGE	01-Apr-16	30-Jun-16	11-Jul-16
NJ0614005	UNITED MOBILE HOMES OF VINELAND	1040	NITRATE	02	MCL, AVERAGE	01-Oct-16	31-Dec-16	
NJ0701001	BELLEVILLE WATER DEPT	2950	TTHM	02	MCL, LRAA	01-Jan-16	31-Mar-16	23-Aug-16
NJ0701001	BELLEVILLE WATER DEPT	2950	TTHM	02	MCL, LRAA	01-Apr-16	30-Jun-16	23-Aug-16
NJ0702001	BLOOMFIELD WATER DEPARTMENT	2950	TTHM	02	MCL, LRAA	01-Jan-16	31-Mar-16	15-Aug-16
NJ0702001	BLOOMFIELD WATER DEPARTMENT	2950	TTHM	02	MCL, LRAA	01-Apr-16	30-Jun-16	15-Aug-16

* This field is blank for systems with ongoing corrective action who have yet to return to compliance as 4/1/2017.

Appendix B: Community Water System 2016 MCL Violations

		Contaminant/Rule		Violation Type				
PWSID	PWS Name	Code	Name	Code	Name	Begin	End	RTC Date*
NJ0702001	BLOOMFIELD WATER DEPARTMENT	2950	TTHM	02	MCL, LRAA	01-Apr-16	30-Jun-16	15-Aug-16
NJ0702001	BLOOMFIELD WATER DEPARTMENT	2950	TTHM	02	MCL, LRAA	01-Jan-16	31-Mar-16	15-Aug-16
NJ0714001	NEWARK WATER DEPARTMENT	2950	TTHM	02	MCL, LRAA	01-Jan-16	31-Mar-16	12-Sep-16
NJ0714001	NEWARK WATER DEPARTMENT	2950	TTHM	02	MCL, LRAA	01-Apr-16	30-Jun-16	12-Sep-16
NJ0805003	MALAGA VILLA APARTMENTS	1040	NITRATE	02	MCL, AVERAGE	01-Jul-16	30-Sep-16	
NJ0805003	MALAGA VILLA APARTMENTS	4010	COMBINED RADIUM (-226 & -228)	02	MCL, AVERAGE	01-Apr-16	30-Jun-16	
NJ0805003	MALAGA VILLA APARTMENTS	4000	GROSS ALPHA, EXCL. RADON & U	02	MCL, AVERAGE	01-Apr-16	30-Jun-16	
NJ0805003	MALAGA VILLA APARTMENTS	4000	GROSS ALPHA, EXCL. RADON & U	02	MCL, AVERAGE	01-Jul-16	30-Sep-16	
NJ0805003	MALAGA VILLA APARTMENTS	4010	COMBINED RADIUM (-226 & -228)	02	MCL, AVERAGE	01-Jul-16	30-Sep-16	
NJ0805003	MALAGA VILLA APARTMENTS	4000	GROSS ALPHA, EXCL. RADON & U	02	MCL, AVERAGE	01-Jan-16	31-Mar-16	
NJ0805003	MALAGA VILLA APARTMENTS	4010	COMBINED RADIUM (-226 & -228)	02	MCL, AVERAGE	01-Oct-16	31-Dec-16	
NJ0805003	MALAGA VILLA APARTMENTS	4010	COMBINED RADIUM (-226 & -228)	02	MCL, AVERAGE	01-Jan-16	31-Mar-16	
NJ0805003	MALAGA VILLA APARTMENTS	4000	GROSS ALPHA, EXCL. RADON & U	02	MCL, AVERAGE	01-Oct-16	31-Dec-16	
NJ1207001	HIGHLAND PARK W DEPT	2950	TTHM	02	MCL, LRAA	01-Jul-16	30-Sep-16	10-May-17
NJ1214001	NEW BRUNSWICK W DEPT	2950	TTHM	02	MCL, LRAA	01-Jul-16	30-Sep-16	06-Feb-17
NJ1214001	NEW BRUNSWICK W DEPT	2950	TTHM	02	MCL, LRAA	01-Oct-16	31-Dec-16	06-Feb-17
NJ1328002	MARLBORO TOWNSHIP WATER UTILITY DIVISION	2456	TOTAL HALOACETIC ACIDS (HAA5)	02	MCL, LRAA	01-Jul-16	30-Sep-16	16-Nov-16
NJ1328002	MARLBORO TOWNSHIP WATER UTILITY DIVISION	2456	TOTAL HALOACETIC ACIDS (HAA5)	02	MCL, LRAA	01-Apr-16	30-Jun-16	16-Nov-16
NJ1416001	LINCOLN PARK WATER DEPT	2950	TTHM	02	MCL, LRAA	01-Jan-16	31-Mar-16	09-Jun-16

* This field is blank for systems with ongoing corrective action who have yet to return to compliance as 4/1/2017.

Appendix B: Community Water System 2016 MCL Violations

		Contaminant/Rule		Violation Type				
PWSID	PWS Name	Code	Name	Code	Name	Begin	End	RTC Date*
NJ1518003	CEDAR GLEN WEST WATER CO	4010	COMBINED RADIUM (-226 & -228)	02	MCL, AVERAGE	01-Apr-16	30-Jun-16	
NJ1518003	CEDAR GLEN WEST WATER CO	4000	GROSS ALPHA, EXCL. RADON & U	02	MCL, AVERAGE	01-Apr-16	30-Jun-16	
NJ1710304	EAGLESVIEW HEALTH & REHAB	4010	COMBINED RADIUM (-226 & -228)	02	MCL, AVERAGE	01-Jul-16	30-Sep-16	
NJ1710304	EAGLESVIEW HEALTH & REHAB	4010	COMBINED RADIUM (-226 & -228)	02	MCL, AVERAGE	01-Jan-16	31-Mar-16	
NJ1710304	EAGLESVIEW HEALTH & REHAB	4000	GROSS ALPHA, EXCL. RADON & U	02	MCL, AVERAGE	01-Jul-16	30-Sep-16	
NJ1710304	EAGLESVIEW HEALTH & REHAB	4000	GROSS ALPHA, EXCL. RADON & U	02	MCL, AVERAGE	01-Oct-16	31-Dec-16	
NJ1710304	EAGLESVIEW HEALTH & REHAB	4010	COMBINED RADIUM (-226 & -228)	02	MCL, AVERAGE	01-Oct-16	31-Dec-16	
NJ1710304	EAGLESVIEW HEALTH & REHAB	4000	GROSS ALPHA, EXCL. RADON & U	02	MCL, AVERAGE	01-Apr-16	30-Jun-16	
NJ1710304	EAGLESVIEW HEALTH & REHAB	4010	COMBINED RADIUM (-226 & -228)	02	MCL, AVERAGE	01-Apr-16	30-Jun-16	
NJ1904004	NORTH SHORE WATER ASSOCIATION	1040	NITRATE	02	MCL, AVERAGE	01-Jan-16	31-Mar-16	03-Oct-16
NJ1904004	NORTH SHORE WATER ASSOCIATION	1040	NITRATE	02	MCL, AVERAGE	01-Apr-16	30-Jun-16	03-Oct-16
NJ1904004	NORTH SHORE WATER ASSOCIATION	1040	NITRATE	02	MCL, AVERAGE	01-Jul-16	30-Sep-16	03-Oct-16
NJ1921001	SUSSEX W DEPT	2950	TTHM	02	MCL, LRAA	01-Jul-16	30-Sep-16	
NJ1921001	SUSSEX W DEPT	2950	TTHM	02	MCL, LRAA	01-Jan-16	31-Mar-16	
NJ1921001	SUSSEX W DEPT	2950	TTHM	02	MCL, LRAA	01-Oct-16	31-Dec-16	
NJ1921001	SUSSEX W DEPT	2950	TTHM	02	MCL, LRAA	01-Apr-16	30-Jun-16	
NJ2113301	CLOVER REST HOME	3100	COLIFORM (TCR)	22	MCL (TCR), MONTHLY	01-Jan-16	31-Jan-16	04-Mar-16

* This field is blank for systems with ongoing corrective action who have yet to return to compliance as 4/1/2017.

Appendix C: Community Water System 2016 Treatment Technique Violations

		Contaminant/Rule		Violation Type				
PWSID	PWS Name	Code	Name	Code	Name	Begin	End	RTC Date*
NJ0108009	STONEY FIELD MOBILE HOME PARK	1030	LEAD	TD	FAILURE TO MAINTAIN TREATMENT DEVICE	01-Jul-16	31-Dec-16	
NJ0405001	BERLIN WATER DEPARTMENT	0999	CHLORINE	41	RES DISINFECT CONCENTRATION (SWTR)	01-May-16	31-May-16	
NJ0436001	ANCORA PSYCHIATRIC HOSPI	0999	CHLORINE	41	RES DISINFECT CONCENTRATION (SWTR)	01-Aug-16	31-Aug-16	10-Jan-17
NJ0436001	ANCORA PSYCHIATRIC HOSPI	0999	CHLORINE	41	RES DISINFECT CONCENTRATION (SWTR)	01-May-16	31-May-16	10-Jan-17
NJ0701001	BELLEVILLE WATER DEPT	0999	CHLORINE	41	RES DISINFECT CONCENTRATION (SWTR)	01-Aug-16	31-Aug-16	03-Mar-17
NJ0701001	BELLEVILLE WATER DEPT	0999	CHLORINE	41	RES DISINFECT CONCENTRATION (SWTR)	01-Jul-16	31-Jul-16	03-Mar-17
NJ0701001	BELLEVILLE WATER DEPT	0999	CHLORINE	41	RES DISINFECT CONCENTRATION (SWTR)	01-Sep-16	30-Sep-16	03-Mar-17
NJ0701001	BELLEVILLE WATER DEPT	0999	CHLORINE	41	RES DISINFECT CONCENTRATION (SWTR)	01-Oct-16	31-Oct-16	03-Mar-17
NJ0701001	BELLEVILLE WATER DEPT	0999	CHLORINE	41	RES DISINFECT CONCENTRATION (SWTR)	01-Jun-16	30-Jun-16	03-Mar-17
NJ0714001	NEWARK WATER DEPARTMENT	0999	CHLORINE	41	RES DISINFECT CONCENTRATION (SWTR)	01-Feb-16	29-Feb-16	02-Aug-16
NJ0714001	NEWARK WATER DEPARTMENT	0999	CHLORINE	41	RES DISINFECT CONCENTRATION (SWTR)	01-Jan-16	31-Jan-16	02-Aug-16
NJ0810005	MANOR WATER ASSOCIATIONS	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	16-Jul-16	24-Oct-16	
NJ0906001	JERSEY CITY MUA	5000	LEAD & COPPER RULE	59	WQP LEVEL NON-COMPLIANCE (LCR)	01-Jul-16	31-Dec-16	
NJ1205001	EDISON WATER CO C/O NJ AMERICAN WATER	0999	CHLORINE	41	RES DISINFECT CONCENTRATION (SWTR)	01-Dec-16	31-Dec-16	08-Mar-17
NJ1305001	AVON BY THE SEA WATER DE	0999	CHLORINE	41	RES DISINFECT CONCENTRATION (SWTR)	01-Aug-16	31-Aug-16	
NJ2103002	BELVIDERE SQUARE APT COMPLEX	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	29-Jun-16		19-May-16

* This field is blank for systems with ongoing corrective action who have yet to return to compliance as 4/1/2017.

Appendix D: Community Water System 2016 Action Level Exceedances

		Contaminant/Rule		Violation Type				
PWSID	PWS Name	Code	Name	Code	Name	Begin	End	RTC Date*
NJ0108003	TILTON TERRACE MH	1022	COPPER, FREE	CU	COPPER ACTION EXCEEDED	01-Jan-16	30-Jun-16	
NJ0108003	TILTON TERRACE MH	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jan-16	30-Jun-16	
NJ0108014	TOWER EAST MOBILE HOME PARK	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jan-14	31-Dec-16	
NJ0108014	TOWER EAST MOBILE HOME PARK	1022	COPPER, FREE	CU	COPPER ACTION EXCEEDED	01-Jan-14	31-Dec-16	
NJ1106002	MERCER COUNTY CORRECTIONAL CEN	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jan-16	31-Dec-16	
NJ1212001	MILLTOWN W DEPT	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jan-14	31-Dec-16	
NJ1530007	CEDAR RUN SENIOR CIT APT	1022	COPPER, FREE	CU	COPPER ACTION EXCEEDED	01-Jan-16	30-Jun-16	
NJ1605002	PASSAIC VALLEY WATER COMMISSION	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jul-16	31-Dec-16	
NJ1615002	WEST MILFORD TWP MUA GREENBROOK ESTATES	1022	COPPER, FREE	CU	COPPER ACTION EXCEEDED	01-Jul-16	31-Dec-16	
NJ1710001	HARDING WOODS MHP	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jan-14	31-Dec-16	
NJ1907002	AQUA NJ - BEAR BROOK	1022	COPPER, FREE	CU	COPPER ACTION EXCEEDED	01-Jan-16	30-Jun-16	

Appendix E: Non-Community Water System 2016 MCL Violations

		Contaminant/Rule		Violation Type				
PWSID	PWS Name	Code	Name	Code	Name	Begin	End	RTC Date*
NJ0104322	BELLVIEW WINERY	1040	NITRATE	02	MCL, AVERAGE	01-Jan-16	31-Dec-16	29-Mar-17
NJ0105301	RT 54 DINER	1040	NITRATE	02	MCL, AVERAGE	01-Jul-16	30-Sep-16	05-Jan-17
NJ0105310	5 POINTS INN	1040	NITRATE	02	MCL, AVERAGE	01-Jan-16	31-Dec-16	26-May-16

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Appendix E: Non-Community Water System 2016 MCL Violations

		Contaminant/Rule		Violation Type				
PWSID	PWS Name	Code	Name	Code	Name	Begin	End	RTC Date*
NJ0105323	ST MARYS SCHOOL - OLD WELL	1040	NITRATE	02	MCL, AVERAGE	01-Oct-16	31-Dec-16	21-Mar-17
NJ0105323	ST MARYS SCHOOL - OLD WELL	1040	NITRATE	02	MCL, AVERAGE	01-Jul-16	30-Sep-16	20-Sep-16
NJ0105334	SAVOY INN	1040	NITRATE	02	MCL, AVERAGE	01-Jul-16	30-Sep-16	14-Mar-17
NJ0105334	SAVOY INN	1040	NITRATE	02	MCL, AVERAGE	01-Oct-16	31-Dec-16	14-Mar-17
NJ0202304	GREATER NY COUNCIL BOY SCOUTS OF AMERICA	3014	E. COLI	1A	MCL, E. COLI, POS E COLI (RTCR)	01-Jul-16	31-Jul-16	24-Aug-16
NJ0320323	STOKES VILLAGE SHOPS	3100	COLIFORM (TCR)	22	MCL (TCR), MONTHLY	01-Feb-16	29-Feb-16	07-Mar-16
NJ0435375	WATERFORD ELEMENTARY SCHOOL	4000	GROSS ALPHA, EXCL. RADON & U	02	MCL, AVERAGE	01-Oct-16	31-Dec-16	
NJ0436356	BRINGHURST MEATS	1040	NITRATE	02	MCL, AVERAGE	01-Jan-16	31-Dec-16	03-Feb-17
NJ0504337	AVALON CAMPGROUND WELL #3	1040	NITRATE	02	MCL, AVERAGE	01-Jul-16	30-Sep-16	09-Aug-16
NJ0603324	DEERFIELD MUNICIP. COURT & SENIOR CENTER	1040	NITRATE	02	MCL, AVERAGE	01-Jan-16	31-Mar-16	14-Apr-16
NJ0603324	DEERFIELD MUNICIP. COURT & SENIOR CENTER	4010	COMBINED RADIUM (-226 & -228)	02	MCL, AVERAGE	01-Oct-16	31-Dec-16	14-Feb-17
NJ0603324	DEERFIELD MUNICIP. COURT & SENIOR CENTER	4010	COMBINED RADIUM (-226 & -228)	02	MCL, AVERAGE	01-Jul-16	30-Sep-16	
NJ0603324	DEERFIELD MUNICIP. COURT & SENIOR CENTER	4010	COMBINED RADIUM (-226 & -228)	02	MCL, AVERAGE	01-Apr-16	30-Jun-16	14-Feb-17
NJ0603324	DEERFIELD MUNICIP. COURT & SENIOR CENTER	4000	GROSS ALPHA, EXCL. RADON & U	02	MCL, AVERAGE	01-Oct-16	31-Dec-16	14-Feb-17
NJ0603324	DEERFIELD MUNICIP. COURT & SENIOR CENTER	4010	COMBINED RADIUM (-226 & -228)	02	MCL, AVERAGE	01-Jan-16	31-Mar-16	14-Feb-17
NJ0603324	DEERFIELD MUNICIP. COURT & SENIOR CENTER	4000	GROSS ALPHA, EXCL. RADON & U	02	MCL, AVERAGE	01-Jul-16	30-Sep-16	14-Feb-17
NJ0609311	CUMBERLAND COUNTRY STORE	3100	COLIFORM (TCR)	22	MCL (TCR), MONTHLY	01-Jan-16	31-Jan-16	18-Feb-16
NJ0613330	K&R VENDING	1040	NITRATE	01	MCL, SINGLE SAMPLE	01-Apr-16	30-Jun-16	25-Aug-16
NJ0722304	THE MANOR RESTAURANT	1005	ARSENIC	02	MCL, AVERAGE	01-Jan-16	31-Mar-16	12-Jan-17

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Appendix E: Non-Community Water System 2016 MCL Violations

		Contaminant/Rule		Violation Type				
PWSID	PWS Name	Code	Name	Code	Name	Begin	End	RTC Date*
NJ0722304	THE MANOR RESTAURANT	1005	ARSENIC	02	MCL, AVERAGE	01-Apr-16	30-Jun-16	12-Jan-17
NJ0805329	CAROLLOS	1040	NITRATE	02	MCL, AVERAGE	01-Jul-16	30-Sep-16	
NJ0818459	REG ORTHOPEDICS-MED BL	3100	COLIFORM (TCR)	22	MCL (TCR), MONTHLY	01-Jan-16	31-Jan-16	
NJ1003302	PILOT OIL CO	2984	TRICHLOROETHYLENE	MC	NJ MCL	01-Jul-16	30-Sep-16	
NJ1006323	ROUND VALLEY INN	3100	COLIFORM (TCR)	22	MCL (TCR), MONTHLY	01-Mar-16	31-Mar-16	25-Apr-16
NJ1008314	FRANKS PIZZA	3100	COLIFORM (TCR)	22	MCL (TCR), MONTHLY	01-Mar-16	31-Mar-16	29-Apr-16
NJ1016318	CAFE MARIA	3100	COLIFORM (TCR)	22	MCL (TCR), MONTHLY	01-Jan-16	31-Jan-16	31-Mar-16
NJ1016323	KINGWOOD FIRE HALL	3100	COLIFORM (TCR)	22	MCL (TCR), MONTHLY	01-Jan-16	31-Jan-16	29-Feb-16
NJ1019334	TONYS BISTRO	3100	COLIFORM (TCR)	22	MCL (TCR), MONTHLY	01-Mar-16	31-Mar-16	06-May-16
NJ1106304	MUSIC & MOVEMENT CENTER	1040	NITRATE	02	MCL, AVERAGE	01-Apr-16	30-Jun-16	
NJ1106333	WASHINGTON CROSSING STATE PARK	3014	E. COLI	1A	MCL, E. COLI, POS E COLI (RTCR)	01-Aug-16	31-Aug-16	15-Sep-16
NJ1107325	TERHUNE ORCHARDS	3014	E. COLI	1A	MCL, E. COLI, POS E COLI (RTCR)	01-Jul-16	31-Jul-16	14-Sep-16
NJ1406331	ARTISTA ITALIAN SPECIALTIES	1040	NITRATE	02	MCL, AVERAGE	01-Jan-16	31-Mar-16	26-Apr-16
NJ1413302	MINUTEMAN FAMILY RESTAURANT	3014	E. COLI	1A	MCL, E. COLI, POS E COLI (RTCR)	01-Sep-16	30-Sep-16	20-Dec-16
NJ1413316	CHRIST THE KING CHURCH	3014	E. COLI	1A	MCL, E. COLI, POS E COLI (RTCR)	01-Nov-16	30-Nov-16	12-Jan-17
NJ1427334	COUNTRY FARMS	3014	E. COLI	1A	MCL, E. COLI, POS E COLI (RTCR)	01-Aug-16	31-Aug-16	
NJ1427334	COUNTRY FARMS	3014	E. COLI	1A	MCL, E. COLI, POS E COLI (RTCR)	01-Jul-16	31-Jul-16	
NJ1427415	SUPER 8 / BUDD LAKE HOSPITALITY LLC	3100	COLIFORM (TCR)	22	MCL (TCR), MONTHLY	01-Mar-16	31-Mar-16	27-Jun-16
NJ1427415	SUPER 8 / BUDD LAKE HOSPITALITY LLC	3100	COLIFORM (TCR)	22	MCL (TCR), MONTHLY	01-Mar-16	31-Mar-16	27-Jun-16

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Appendix E: Non-Community Water System 2016 MCL Violations

		Contaminant/Rule		Violation Type				
PWSID	PWS Name	Code	Name	Code	Name	Begin	End	RTC Date*
NJ1427415	SUPER 8 / BUDD LAKE HOSPITALITY LLC	3100	COLIFORM (TCR)	21	MCL (TCR), ACUTE	01-Feb-16	29-Feb-16	27-Jun-16
NJ1427415	SUPER 8 / BUDD LAKE HOSPITALITY LLC	3100	COLIFORM (TCR)	22	MCL (TCR), MONTHLY	01-Jan-16	31-Jan-16	27-Jun-16
NJ1427415	SUPER 8 / BUDD LAKE HOSPITALITY LLC	3100	COLIFORM (TCR)	22	MCL (TCR), MONTHLY	01-Jan-16	31-Jan-16	01-Jul-16
NJ1427415	SUPER 8 / BUDD LAKE HOSPITALITY LLC	3100	COLIFORM (TCR)	21	MCL (TCR), ACUTE	01-Feb-16	29-Feb-16	27-Jun-16
NJ1427415	SUPER 8 / BUDD LAKE HOSPITALITY LLC	3100	COLIFORM (TCR)	22	MCL (TCR), MONTHLY	01-Feb-16	29-Feb-16	27-Jun-16
NJ1427419	JERSEY GIRL BREWING CO. LLC	3100	COLIFORM (TCR)	22	MCL (TCR), MONTHLY	01-Feb-16	29-Feb-16	22-Mar-16
NJ1436378	MAIN STREET ASSOC	3100	COLIFORM (TCR)	22	MCL (TCR), MONTHLY	01-Mar-16	31-Mar-16	
NJ1516317	RUTGERS MARINE STUDY STA	3100	COLIFORM (TCR)	21	MCL (TCR), ACUTE	01-Feb-16	29-Feb-16	16-Mar-16
NJ1516317	RUTGERS MARINE STUDY STA	3100	COLIFORM (TCR)	22	MCL (TCR), MONTHLY	01-Feb-16	29-Feb-16	16-Mar-16
NJ1615310	PIZZA PLACE (MARION PLAZA)	3100	COLIFORM (TCR)	22	MCL (TCR), MONTHLY	01-Feb-16	29-Feb-16	18-Apr-16
NJ1615310	PIZZA PLACE (MARION PLAZA)	3100	COLIFORM (TCR)	22	MCL (TCR), MONTHLY	01-Mar-16	31-Mar-16	18-Apr-16
NJ1615310	PIZZA PLACE (MARION PLAZA)	3100	COLIFORM (TCR)	21	MCL (TCR), ACUTE	01-Mar-16	31-Mar-16	18-Apr-16
NJ1615312	UPPER GREENWOOD LK ELEM SCHOOL	4000	GROSS ALPHA, EXCL. RADON & U	02	MCL, AVERAGE	01-Jul-16	30-Sep-16	
NJ1615312	UPPER GREENWOOD LK ELEM SCHOOL	4000	GROSS ALPHA, EXCL. RADON & U	02	MCL, AVERAGE	01-Oct-16	31-Dec-16	
NJ1615419	MONTCLAIR YMCA DAY CAMP-LOWER	3014	E. COLI	1A	MCL, E. COLI, POS E COLI (RTCR)	01-May-16	31-May-16	26-Jul-16
NJ1704317	HOPE CREEK - LDC 1	3014	E. COLI	1A	MCL, E. COLI, POS E COLI (RTCR)	01-Jul-16	31-Jul-16	03-Aug-16
NJ1709331	SALEM COUNTY FAIRGROUNDS WELL 1 KITCHEN	1040	NITRATE	01	MCL, SINGLE SAMPLE	01-Jan-16	31-Dec-16	
NJ1709332	SALEM COUNTY FAIRGROUNDS WELL #2 SHOP	1040	NITRATE	01	MCL, SINGLE SAMPLE	01-Jan-16	31-Dec-16	
NJ1714311	LARCHMONT FARMS INC	1040	NITRATE	02	MCL, AVERAGE	01-Jul-16	30-Sep-16	

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Appendix E: Non-Community Water System 2016 MCL Violations

		Contaminant/Rule		Violation Type				
PWSID	PWS Name	Code	Name	Code	Name	Begin	End	RTC Date*
NJ1808342	CEDAR HILL CLUB INC	3014	E. COLI	1A	MCL, E. COLI POS(RTCR)	01-Sep-16	30-Sep-16	
NJ1808374	BUNKER HILL LUTHERAN CHURCH	3100	COLIFORM (TCR)	22	MCL (TCR), MONTHLY	01-Feb-16	29-Feb-16	10-Feb-17
NJ1808374	BUNKER HILL LUTHERAN CHURCH	3100	COLIFORM (TCR)	22	MCL (TCR), MONTHLY	01-Jan-16	31-Jan-16	
NJ1808374	BUNKER HILL LUTHERAN CHURCH	3100	COLIFORM (TCR)	21	MCL (TCR), ACUTE	01-Feb-16	29-Feb-16	10-Feb-17
NJ1808374	BUNKER HILL LUTHERAN CHURCH	3100	COLIFORM (TCR)	21	MCL (TCR), ACUTE	01-Mar-16	31-Mar-16	10-Feb-17
NJ1808374	BUNKER HILL LUTHERAN CHURCH	3100	COLIFORM (TCR)	22	MCL (TCR), MONTHLY	01-Mar-16	31-Mar-16	10-Feb-17
NJ1808374	BUNKER HILL LUTHERAN CHURCH	3100	COLIFORM (TCR)	21	MCL (TCR), ACUTE	01-Jan-16	31-Jan-16	03-Jan-17
NJ1905302	EDGEMONT CAMPGROUND	3014	E. COLI	1A	MCL, E. COLI POS (RTCR)	01-Jul-16	31-Jul-16	01-Oct-16
NJ1905320	YETTERS DINER	3100	COLIFORM (TCR)	22	MCL (TCR), MONTHLY	01-Jan-16	31-Jan-16	10-Feb-16
NJ1907309	HUMMINGBIRD HOUSE	1040	NITRATE	02	MCL, AVERAGE	01-Jan-16	31-Mar-16	20-Apr-16
NJ1918351	SUSSEX CTY CHARTER SCHOOL - A	3100	COLIFORM (TCR)	22	MCL (TCR), MONTHLY	01-Feb-16	29-Feb-16	28-Mar-16
NJ1922355	LEARN AND PLAY ACADEMY	4000	GROSS ALPHA, EXCL. RADON & U	02	MCL, AVERAGE	01-Jul-16	30-Sep-16	
NJ1924366	WANTAGE PROFESSIONAL CENTER	1040	NITRATE	02	MCL, AVERAGE	01-Apr-16	30-Jun-16	15-Sep-16
NJ2104317	BLAIRSTOWN TRADES & PROF	3100	COLIFORM (TCR)	22	MCL (TCR), MONTHLY	01-Feb-16	29-Feb-16	25-Mar-16
NJ2105306	CANDYS COUNTRY CAFE	1040	NITRATE	02	MCL, AVERAGE	01-Jan-16	31-Mar-16	26-Apr-16
NJ2105329	NEW VILLAGE PLAZA	1040	NITRATE	02	MCL, AVERAGE	01-Jul-16	30-Sep-16	
NJ2106307	FRELINGHUYSEN TWP ELM SC	2980	1,2-DICHLOROETHANE	02	MCL, AVERAGE	01-Jan-16	31-Mar-16	17-Nov-16
NJ2112324	GREAT MEADOWS MIDDLE	3014	E. COLI	1A	MCL, E. COLI POS (RTCR)	01-Sep-16	30-Sep-16	04-Oct-16
NJ2113321	DELAWARE TRUCK STOP LLC	3100	COLIFORM (TCR)	22	MCL (TCR), MONTHLY	01-Jan-16	31-Jan-16	26-Feb-16
NJ2122331	MOBIL/7-ELEVEN	1040	NITRATE	01	MCL, SINGLE SAMPLE	01-Oct-16	31-Dec-16	
NJ2123304	HOT DOG JOHNNYS	3014	E. COLI	1A	MCL, E. COLI POS (RTCR)	01-Aug-16	31-Aug-16	04-Oct-16

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Appendix F: Non-Community Water System 2016 Treatment Technique Violations

		Contaminant/Rule		Violation Type				
PWSID	PWS Name	Code	Name	Code	Name	Begin	End	RTC Date*
NJ0111456	BUSY BODY DAY CARE (REDDING COMMERICAL	5000	LEAD & COPPER RULE	D1	SUBMIT CCT FOR NC/NP SYS (FED TYPE 57)	01-Jul-16		
NJ0112355	MACRIE BROTHERS	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	18-Sep-16		
NJ0320323	STOKES VILLAGE SHOPS	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	16-Aug-16		
NJ0325301	7-11	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	13-Sep-16		
NJ0333325	ORIGINAL TONYS PIZZA	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2B	LEVEL 2 ASSESSMENT, 2ND LEVEL 1(RTCR)	27-Aug-16		
NJ0333325	ORIGINAL TONYS PIZZA	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2B	LEVEL 2 ASSESSMENT, 2ND LEVEL 1(RTCR)	09-Aug-16		
NJ0333325	ORIGINAL TONYS PIZZA	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	29-Jun-16		
NJ0335312	MEDFORD FARMS VOL FIRE C	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	27-Oct-16		
NJ0410317	BROTHER BEAR'S BBQ	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	09-Sep-16		
NJ0603316	CARMEL PLAZA	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	05-Nov-16		
NJ0612300	STOW CREEK SCHOOL	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	17-Oct-16		
NJ0818450	SOLLENAS PIZZA	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	02-Sep-16	07-Sep-16	
NJ0818450	SOLLENAS PIZZA	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	07-Jul-16	02-Aug-16	
NJ0818465	ZIMMERMANS COUNTRY MARKET	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	04-Dec-16	03-Nov-16	03-Nov-16
NJ0824305	VESUVIO PIZZERIA	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	12-Nov-16		
NJ0824305	VESUVIO PIZZERIA	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2B	LEVEL 2 ASSESSMENT, 2ND LEVEL 1(RTCR)	15-Dec-16		
NJ1002311	CONLEY ELEMENTARY SCHOOL	5000	LEAD & COPPER RULE	59	WQP LEVEL NON-COMPLIANCE (LCR)	01-Jul-16	31-Dec-16	
NJ1003302	PILOT OIL CO	2967	M-DICHLOROBENZENE	TD	FAILURE TO MAINTAIN TREATMENT DEVICE	01-Apr-16	30-Jun-16	

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Appendix F: Non-Community Water System 2016 Treatment Technique Violations

		Contaminant/Rule		Violation Type				
PWSID	PWS Name	Code	Name	Code	Name	Begin	End	RTC Date*
NJ1003302	PILOT OIL CO	2251	METHYL TERT-BUTYL ETHER	TD	FAILURE TO MAINTAIN TREATMENT DEVICE	01-Apr-16	30-Jun-16	
NJ1003302	PILOT OIL CO	2248	NAPHTHALENE	TD	FAILURE TO MAINTAIN TREATMENT DEVICE	01-Apr-16	30-Jun-16	
NJ1003302	PILOT OIL CO	2978	1,1-DICHLOROETHANE	TD	FAILURE TO MAINTAIN TREATMENT DEVICE	01-Apr-16	30-Jun-16	
NJ1003302	PILOT OIL CO	2988	1,1,2,2-TETRACHLOROETHANE	TD	FAILURE TO MAINTAIN TREATMENT DEVICE	01-Apr-16	30-Jun-16	
NJ1006305	COURTSIDE RACQUET CLUB	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	02-Dec-16	12-Dec-16	
NJ1006325	LOS CHILITOS	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	07-Oct-16		
NJ1006325	LOS CHILITOS	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2B	LEVEL 2 ASSESSMENT, 2ND LEVEL 1(RTCR)	05-Nov-16		
NJ1006331	PAMBYS	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	02-Sep-16	03-Sep-16	10-Aug-16
NJ1006337	CLINTON PLAZA PROF BLDG	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, TC POS RT NO RPT (RTCR)	23-Sep-16		
NJ1007307	PLAZA 12 WEST	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	16-Jul-16		
NJ1008300	ALBERT ELIAS RESIDENTIAL GROUP	5000	LEAD & COPPER RULE	59	WQP LEVEL NON-COMPLIANCE (LCR)	01-Jul-16	31-Dec-16	
NJ1019334	TONYS BISTRO	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, TC POS RT NO RPT (RTCR)	24-Jun-16		
NJ1022369	JERRYS BROOKLYN GRILL	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	09-Sep-16		
NJ1215303	NEW JERSEY DENTAL ASSOC	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	12-Nov-16	13-Nov-16	06-Oct-16
NJ1217301	LAKE NELSON SCHOOL	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2B	LEVEL 2 ASSESSMENT, 2ND LEVEL 1(RTCR)	05-Dec-16	19-Dec-16	
NJ1219300	E I DUPONT CO F&FP PANT	0100	TURBIDITY	43	SINGLE COMB FLTR EFFLUENT (IESWTR/LT1)	01-Sep-16	30-Sep-16	07-Dec-16
NJ1219300	E I DUPONT CO F&FP PANT	0100	TURBIDITY	43	SINGLE COMB FLTR EFFLUENT (IESWTR/LT1)	01-Jul-16	31-Jul-16	09-Sep-16
NJ1309316	COLTS NECK PIZZERIA	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	28-Jul-16		

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Appendix F: Non-Community Water System 2016 Treatment Technique Violations

		Contaminant/Rule		Violation Type				
PWSID	PWS Name	Code	Name	Code	Name	Begin	End	RTC Date*
NJ1309426	BROCK FARMS COLTS NECK	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2B	LEVEL 2 ASSESSMENT, 2ND LEVEL 1(RTCR)	06-Sep-16	09-Sep-16	09-Sep-16
NJ1332356	REMMINGTONS	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	19-Sep-16	09-Sep-16	09-Sep-16
NJ1351326	NJ CHRISTIAN ACADEMY DORM	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	12-Aug-16	17-Aug-16	17-Aug-16
NJ1413302	MINUTEMAN FAMILY RESTAURANT	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2B	LEVEL 2 ASSESSMENT, 2ND LEVEL 1(RTCR)	02-Dec-16	11-Dec-16	
NJ1424300	MORRISTOWN MEMORIAL HOSP	1030	LEAD	TD	FAILURE TO MAINTAIN TREATMENT DEVICE	22-Jan-16	25-Feb-16	
NJ1427325	PAVILION LOUNGE	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	31-Jul-16	04-Aug-16	
NJ1427325	PAVILION LOUNGE	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2B	LEVEL 2 ASSESSMENT, 2ND LEVEL 1(RTCR)	17-Sep-16	21-Oct-16	
NJ1427334	COUNTRY FARMS	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2B	LEVEL 2 ASSESSMENT, MCL TRIGGERED (RTCR)	28-Aug-16		
NJ1427362	MT OLIVE HIGH SCHOOL	0400	DBP STAGE 1	12	QUALIFIED OPERATOR FAILURE	03-Aug-16	01-Sep-16	29-Sep-16
NJ1436304	GROSSMAN PEDIATRIC	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	01-Dec-16		
NJ1505324	PUBLIC WORKS BLDG	1022	COPPER, FREE	TD	FAILURE TO MAINTAIN TREATMENT DEVICE	01-Jul-16	31-Dec-16	
NJ1511316	BUTTERFLY CAMPGROUND WE	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	19-Sep-16	07-Oct-16	
NJ1808342	CEDAR HILL CLUB INC	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	13-Sep-16	14-Oct-16	
NJ1808342	CEDAR HILL CLUB INC	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2B	LEVEL 2 ASSESSMENT, MCL TRIGGERED (RTCR)	09-Oct-16	04-Nov-16	
NJ1914335	CEDAR RIDGE CAMPGROUND #4	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	09-Sep-16		
NJ1918338	PAPA RONIS PIZZA	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	04-Dec-16		
NJ2104315	BUCK HILL BREWERY & RESTAURANT	0700	GROUNDWATER RULE	48	FAILURE TO ADDRESS CONTAMINATION (GWR)	24-Mar-12	16-Aug-16	16-Aug-16

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Appendix F: Non-Community Water System 2016 Treatment Technique Violations

		Contaminant/Rule		Violation Type				
PWSID	PWS Name	Code	Name	Code	Name	Begin	End	RTC Date*
NJ2104341	BLAIRSTOWN MUNICIPAL BUILDING	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	06-Sep-16		
NJ2104341	BLAIRSTOWN MUNICIPAL BUILDING	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2B	LEVEL 2 ASSESSMENT, 2ND LEVEL 1(RTCR)	02-Dec-16		
NJ2105300	THE WILLOWS	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2B	LEVEL 2 ASSESSMENT, 2ND LEVEL 1(RTCR)	29-Aug-16		
NJ2105300	THE WILLOWS	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	23-Jul-16		
NJ2107320	PIZZA EXPRESS	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	08-Nov-16		
NJ2110312	HARMONY RECAREA SNACK B	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2B	LEVEL 2 ASSESSMENT, 2ND LEVEL 1(RTCR)	15-Oct-16		
NJ2112319	PIZZAZZ FROZEN FOOD	0700	GROUNDWATER RULE	48	FAILURE TO ADDRESS CONTAMINATION (GWR)	01-Feb-16	28-Mar-16	28-Mar-16
NJ2113324	HUNTERS LODGE - MOTEL	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, TC POS RT NO RPT (RTCR)	20-Nov-16		
NJ2114321	TOWNSHIP OF LIBERTY	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, MULTIPLE TC POS (RTCR)	26-Nov-16		
NJ2116332	PEQUEST STATE FISH HATCH	0700	GROUNDWATER RULE	48	FAILURE TO ADDRESS CONTAMINATION (GWR)	05-Mar-12	18-Nov-16	18-Nov-16
NJ2116333	MANSFIELD TWP MUNICIPAL COMPLE	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2B	LEVEL 2 ASSESSMENT, 2ND LEVEL 1(RTCR)	08-Oct-16		
NJ2117305	OXFORD FURNACE LAKE	8000	REVISED TOTAL COLIFORM RULE (RTCR)	2A	LEVEL 1 ASSESS, TC POS RT NO RPT (RTCR)	21-Oct-16		

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Appendix G: Non-Community Water System 2016 Action Level Exceedances

		Contaminant/Rule		Violation Type				
PWSID	PWS Name	Code	Name	Code	Name	Begin	End	RTC Date*
NJ0105350	MARTIN LUTHER KING CENTER	1022	COPPER, FREE	C1	COPPER ACTION LEVEL EXCEEDANCE NC/NP	01-Jul-16	31-Dec-16	
NJ0105350	MARTIN LUTHER KING CENTER	1030	LEAD	L1	LEAD ACTION LEVEL EXCEEDED FOR NC/NP	01-Jul-16	31-Dec-16	
NJ0110309	OLD CASTLE	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jul-16	31-Dec-16	
NJ0110309	OLD CASTLE	1022	COPPER, FREE	CU	COPPER ACTION EXCEEDED	01-Jul-16	31-Dec-16	
NJ0110309	OLD CASTLE	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jan-16	30-Jun-16	
NJ0111393	POMONA PLAZA	1022	COPPER, FREE	CU	COPPER ACTION EXCEEDED	01-Jan-14	31-Dec-16	
NJ0215300	ENGLEWOOD HOSPITAL	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jul-16	31-Dec-16	
NJ0263320	UPPER SADDLE RIVER REFORMED CHURCH	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jan-14	31-Dec-16	
NJ0263320	UPPER SADDLE RIVER REFORMED CHURCH	1022	COPPER, FREE	CU	COPPER ACTION EXCEEDED	01-Jan-14	31-Dec-16	
NJ0306306	NATIONAL GYPSUM (GOLD BOND)	1022	COPPER, FREE	CU	COPPER ACTION EXCEEDED	01-Jan-16	31-Dec-16	
NJ0306308	STAG BURLINGTON NO 2 LLC	1022	COPPER, FREE	CU	COPPER ACTION EXCEEDED	01-Jan-16	31-Dec-16	
NJ0306308	STAG BURLINGTON NO 2 LLC	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jan-16	31-Dec-16	
NJ0603301	CUMBERLAND CNTY TECHNICAL ED	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jan-16	30-Jun-16	
NJ1002311	CONLEY ELEMENTARY SCHOOL	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jan-16	31-Dec-16	
NJ1010311	SOUTH RIDGE COMMUNITY CHURCH	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jan-14	31-Dec-16	
NJ1021351	HITRAN CORP	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jan-14	31-Dec-16	
NJ1025314	HUNTERDON HILLS PLAYHOUSE	1022	COPPER, FREE	CU	COPPER ACTION EXCEEDED	01-Jan-16	30-Jun-16	

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Appendix G: Non-Community Water System 2016 Action Level Exceedances

		Contaminant/Rule		Violation Type				
PWSID	PWS Name	Code	Name	Code	Name	Begin	End	RTC Date*
NJ1025314	HUNTERDON HILLS PLAYHOUSE	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jan-16	30-Jun-16	
NJ1025314	HUNTERDON HILLS PLAYHOUSE	1022	COPPER, FREE	CU	COPPER ACTION EXCEEDED	01-Jul-16	31-Dec-16	
NJ1025326	MOUNTAIN VIEW 78	1022	COPPER, FREE	CU	COPPER ACTION EXCEEDED	01-Jan-14	31-Dec-16	
NJ1026301	ESC SCHOOL AT WEST AMWELL	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jan-14	31-Dec-16	
NJ1026301	ESC SCHOOL AT WEST AMWELL	1022	COPPER, FREE	CU	COPPER ACTION EXCEEDED	01-Jan-14	31-Dec-16	
NJ1102307	FARIDY VEISZ FRAYTAK PC	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jan-16	30-Jun-16	
NJ1106337	ZYDUS PHARMACEUTICALS	1022	COPPER, FREE	CU	COPPER ACTION EXCEEDED	01-Jan-14	31-Dec-16	
NJ1110301	PRINCETON FRIENDS SCHOOL	1022	COPPER, FREE	CU	COPPER ACTION EXCEEDED	01-Jul-16	31-Dec-16	
NJ1110301	PRINCETON FRIENDS SCHOOL	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jan-16	30-Jun-16	
NJ1309311	LAIRD AND COMPANY	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jan-14	31-Dec-16	
NJ1352321	BRIELLE HILLS BLDG #1&2	1022	COPPER, FREE	CU	COPPER ACTION EXCEEDED	01-Jan-14	31-Dec-16	
NJ1352321	BRIELLE HILLS BLDG #1&2	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jan-14	31-Dec-16	
NJ1407301	DICKERSON ELEMENTARY.SCHOOL	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jul-16	31-Dec-16	
NJ1407313	AP CHESTER PROPERTIES LLC	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jan-14	31-Dec-16	
NJ1407318	360 ROUTE 24	1022	COPPER, FREE	CU	COPPER ACTION EXCEEDED	01-Jan-16	30-Jun-16	
NJ1407318	360 ROUTE 24	1022	COPPER, FREE	CU	COPPER ACTION EXCEEDED	01-Jul-16	31-Dec-16	
NJ1422315	TEDDY & ME DAYCARE @ ST. MARK CHURCH	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jan-14	31-Dec-16	

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Appendix G: Non-Community Water System 2016 Action Level Exceedances

		Contaminant/Rule		Violation Type				
PWSID	PWS Name	Code	Name	Code	Name	Begin	End	RTC Date*
NJ1424300	MORRISTOWN MEMORIAL HOSP	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jul-16	31-Dec-16	
NJ1427307	TINC ROAD SCHOOL	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jan-14	31-Dec-16	
NJ1427307	TINC ROAD SCHOOL	1022	COPPER, FREE	CU	COPPER ACTION EXCEEDED	01-Jan-14	31-Dec-16	
NJ1436365	NJDOT @ ROXBURY CORP CENTER	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jul-16	31-Dec-16	
NJ1436386	SCE REALTY LLC	1022	COPPER, FREE	CU	COPPER ACTION EXCEEDED	01-Jul-16	31-Dec-16	
NJ1505375	AIR PARK EMERGENCY SERVICES	1022	COPPER, FREE	CU	COPPER ACTION EXCEEDED	01-Jul-16	31-Dec-16	
NJ1505375	AIR PARK EMERGENCY SERVICES	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jul-16	31-Dec-16	
NJ1603304	NORTH HALEDON FIRST PRESB. CHURCH & NURS	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jan-16	30-Jun-16	14-Sep-16
NJ1808341	PILLAR OF FIRE	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jan-16	31-Dec-16	
NJ1810350	HILLSBOROUGH MEDICAL BUILDING	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jan-14	31-Dec-16	
NJ1922305	LEGENDS RESORT & COUNTRY CLUB	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jan-14	31-Dec-16	
NJ2105320	ISE FARMS INC	1030	LEAD	PB	LEAD ACTION LEVEL EXCEEDED	01-Jul-16	31-Dec-16	

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