

SAFE DRINKING WATER ACT VIOLATIONS 2003



**NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER SUPPLY
BUREAU OF SAFE DRINKING WATER
TECHNICAL ASSISTANCE**

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Introduction

This is New Jersey's eighth annual report prepared to fulfill the requirements of Section 1414(c)(3)(a) of the federal Safe Drinking Water Act (42 U.S.C. 300f et seq.). The Safe Drinking Water Act requires States to prepare an annual report on violations of the national primary drinking water regulations by public water systems in the State. The first report covered calendar year 1996. This eighth report addresses data during the period of January 1, 2003, to December 31, 2003.

The 2003 full report is available to the public and allows all citizens in the State of New Jersey to have greater access to drinking water quality information for the State in a nationally standardized format. The information in this report covers violations of (a) maximum contaminant levels, (b) treatment technique requirements, (c) variances and exemptions, and (d) monitoring requirements determined to be significant by the Administrator of the U.S. Environmental Protection Agency (USEPA) after consultation with the States. Each state is required to publish and distribute a summary report that indicates where this full report is available for review. The statutory language requiring an Annual Report by states and distribution of report summaries is presented in Appendix A.

The Drinking Water Program: An Overview

USEPA established the Public Water System Supervision Program under the authority of the 1974 Safe Drinking Water Act. Under the Safe Drinking Water Act, and the subsequent 1986 and 1996 Amendments, USEPA sets national limits on contaminant levels in drinking water to ensure that drinking water is safe for human consumption. These limits are known as Maximum Contaminant Levels (MCLs). For some regulations, USEPA establishes treatment techniques in lieu of an MCL to control unacceptable levels of contaminants in water. USEPA also regulates how often public water systems (PWSs) monitor their water for contaminants and report the monitoring results to the States or USEPA. Generally, the larger the population served by a water system, the more frequent the monitoring/reporting (M/R) requirements. In addition, USEPA requires PWSs to monitor for unregulated contaminants to provide data for future regulatory development. Finally, USEPA requires PWSs to notify the public when they have violated these regulations. The 1996 Amendments to the Safe Drinking Water Act require public notification to include a clear and understandable explanation of the nature of the violation, its potential adverse health effects, steps that the PWS is undertaking to correct the violation and the possibility of alternative water supplies during the violation.

The Safe Drinking Water Act allows States and Territories to seek USEPA approval to administer their own Public Water Supply Supervision Programs. The authority to run a Public Water Supply Supervision Program is called primacy. To receive primacy, States must meet certain requirements laid out in the Safe Drinking Water Act and the regulations, including the adoption of drinking water regulations that are at least as stringent as the Federal regulations and a demonstration that they can enforce the

program requirements. Of the 57 States and Territories, all but Wyoming and the District of Columbia have primacy. The USEPA Regional Offices administer the Public Water Supply Supervision Programs within these two jurisdictions.

The Water Supply Operations Element, Bureau of Safe Drinking Water Implementation and Bureau of Safe Drinking Water Technical Assistance within the New Jersey Department of Environmental Protection (NJDEP) has principal responsibility for the programs and activities under the Federal Safe Drinking Water Act and the New Jersey Safe Drinking Water Act to assure safe drinking water for both the citizens of New Jersey and visitors.

Annual State PWS Reports

Primacy States submit data to the Safe Drinking Water Information System (SDWIS/FED) on a quarterly basis. Data include PWS inventory statistics; the incidence of Maximum Contaminant Level, Major Monitoring, and Treatment Technique violations; and the enforcement actions taken against violators. The annual compliance summary report that States are required to submit to USEPA provides a total annual representation of the numbers of violations for each of the four categories listed in section 1414(c)(3) of the Safe Drinking Water Act reauthorization. These four categories are: MCLs, treatment techniques, variances and exemptions, and significant monitoring violations. States are also required to make available a full report of all violations indicating the names of the systems with violations. The USEPA Regional Offices report the information for Wyoming, the District of Columbia, and all Indian Lands. Regional offices also report Federal enforcement actions taken. USEPA stores this data in an automated database called the Safe Drinking Water Information System (SDWIS). These reports are based largely on data retrieved from the federal version of the SDWIS/FED.

Public Water System

A Public Water System (PWS) is defined as a system that provides water via piping or other constructed conveyances for human consumption to at least 15 service connections or serves an average of at least 25 people for at least 60 days each year. There are three types of PWSs. PWSs can be community (such as towns), nontransient noncommunity (such as schools or factories that have their own source of drinking water such as a well), or transient noncommunity systems (such as rest stops or parks that have their own source of drinking water such as a well). When the acronym “PWS” is used in this report, it means systems of all types unless specified in greater detail.

At the end of 2003, New Jersey listed 4,125 public water systems in its inventory. These included 609 community water systems, 867 nontransient noncommunity water systems and 2649 transient noncommunity water systems. The number of systems constantly changes due to mergers, opening and closing of businesses, hookups with community water systems or changes in use that result in fewer than 25 people being served. Table 1 depicts the changes in the number of public water systems since 1996:

Table 1: Public Water Systems in New Jersey

Year	Community Water Systems	Nontransient Noncommunity Water Systems	Transient Noncommunity Water Systems	Total
2003	609	867	2649	4125
2002	604	884	2650	4138
2001	606	891	2689	4186
2000	606	936	2707	4249
1999	616	968	2839	4423
1998	615	962	2887	4464
1997	612	1034	3066	4712
1996	612	1038	3090	4740

Maximum Contaminant Level

USEPA sets national limits on contaminant levels, known as Maximum Contaminant Levels (MCLs), in drinking water to ensure it is safe for human consumption.

The New Jersey Safe Drinking Water Act (P.L. 1983, c. 443) outlines procedures for setting State drinking water standards based on risk-based goals. New Jersey drinking water standards must be equal to or stricter than federal standards. As a result, twelve volatile organic compounds, and one synthetic organic compound, have New Jersey MCLs more stringent than federal MCLs. Effective January 2006, another inorganic compound, arsenic, had a New Jersey MCL stricter than the federal MCL. All chemicals with New Jersey MCLs stricter than USEPA MCLs are listed in Table 2.

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

Contaminant	New Jersey MCL (ug/l)	USEPA MCL (ug/l)
Arsenic	50, 5*	50, 10**
Benzene	1	5
Carbon Tetrachloride	2	5
Chlordane	0.5	2
1,2-Dichloroethane	2	5
1,2-Dichloroethylene	2	7
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

* In NJ, the MCL of 5 micrograms per liter (ug/l) for Arsenic has an implementation date of January 23rd, 2006.

** The USEPA MCL of 10 micrograms per liter (ug/l) for Arsenic also has an implementation date of January 23rd, 2006.

In addition, five volatile organic compounds regulated as primary contaminants by New Jersey are not federally regulated. These contaminants are listed in Table 3. The remaining USEPA regulated compounds share the same MCL, federal or state.

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

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

All regulated contaminants and their respective federal and state MCLs are listed in Table 8 of this report.

Treatment Techniques

For some contaminants, USEPA establishes treatment techniques in lieu of an MCL to control unacceptable levels of certain contaminants. For example, treatment techniques have been established for viruses, bacteria, and turbidity.

Variations and Exemptions

Variations and exemptions to specific requirements under the Safe Drinking Water Act Amendments of 1996 may be granted under certain circumstances. If, due to the characteristics of the raw water sources reasonably available, a PWS cannot meet the MCL, a primacy State can grant the PWS a variance from the applicable primary drinking water regulation on the condition that the system install the best available technology, treatment techniques, or other means which the Administrator finds are available (taking costs into account). The state must find that the variance will not result in an unreasonable risk to health, and shall prescribe, at the time the variance is granted, a schedule (including increments of progress) in accordance with which the PWS must come into compliance with the MCL. Small systems (serving 3,300 or fewer persons; or 10,000 or fewer persons with the Administrator’s approval) may be granted variances if they cannot afford (as determined by application of the Administrator’s affordability criteria) to comply with certain MCLs (non-microbial, promulgated after January 1, 1986) by means of treatment, alternative source of water, or restructuring or consolidation. Small systems must, within 3 years, install and operate USEPA approved small system variance technology. The variance must ensure adequate protection of human health, and the variance shall be reviewed not less than every 5 years to determine whether the system remains eligible for the variance. A primacy State may by exemption relieve a PWS of its obligation to comply with an MCL, treatment technique, or both if the system’s noncompliance results from compelling factors (which may include economic factors, the system was in operation on the effective date of the MCL or

treatment technique requirement) or if not in operation by that date, only if no reasonable alternative source of drinking water is available to such new systems, management or restructuring changes cannot reasonably be made that will result in compliance with the Safe Drinking Water Act or improvement of water quality, and the exemption will not result in an unreasonable risk to public health. The State will require the PWS to comply with the MCL or treatment technique as expeditiously as practicable, but not later than 3 years after the otherwise applicable compliance date.

To date, NJDEP has never issued any variances or exemptions and on December 6, 2004 repealed N.J.A.C. 7:10-6 which addressed variance and exemption provisions.

Monitoring

A PWS is required to monitor and verify that the levels of contaminants present in the water do not exceed the MCLs. 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 to the primacy agency.

Significant Monitoring Violations

For this report, significant monitoring violations are defined as any major monitoring violation that has occurred during the specified report interval. Most monitoring violations occur when no samples are taken or no results are reported during a compliance period. New Jersey's public water systems are required to monitor drinking water quality according to federal regulations (40 CFR Part 141) and New Jersey regulations (N.J.A.C. 7:10-1 et seq.).

Test results are reported by public water systems to the Bureau of Safe Drinking Water Implementation for compliance determination with reporting requirements and the drinking water standards. Maximum contaminant levels, or MCLs, are drinking water standards developed by either USEPA or NJDEP that are protective of health from ingested drinking water. 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, including total trihalomethanes and total haloacetic acids.

Significant Consumer Notification Violations

For this report, Significant Consumer Notification Violations are modeled after the federal Consumer Confidence Report rule, under the provisions of the 1996 Amendments to the federal Safe Drinking Water Act, that requires all community water systems to submit an annual report to their customers on the quality of their drinking water by July 1 of each year covering the water quality of the previous calendar year.

Additional Monitoring in New Jersey

Radiological

Radiological sampling of wells that draw water from Southern New Jersey's Cohansey aquifer has shown elevated levels of naturally occurring radioactivity. Studies were performed and it was determined that a significant portion of the gross alpha particle activity detected was a result of the presence of radium 224, a short lived radionuclide with a half-life of 3.7 days. There is no federal or state standard for radium 224. Only community water systems are currently required to sample for gross alpha particle activity.

With respect to radiological contamination, NJDEP has taken several steps to protect public health. NJDEP began requiring analysis of drinking water samples for gross alpha particle activity within 48 hours instead of up to a year after collection as is allowed by the Federal Rule. If the samples are analyzed quickly, increased gross alpha particle activity is detected that would not normally be detected because of the short half-life of radium 224. Then NJDEP asked the New Jersey Drinking Water Quality Institute (DWQI) to address the issue of setting an MCL for radium 224. The DWQI is a 15-member advisory body to NJDEP that makes recommendations on drinking water standards and associated drinking water issues. The DWQI determined that analyzing samples within 48 hours for gross alpha particle activity protects public health and a separate MCL for radium 224 was not needed.

In 2000, NJDEP began a program to sample all nontransient noncommunity water systems in the State, at State expense. Sampling of nontransient noncommunity systems was completed in 2002. If gross alpha particle activity was detected at a concentration greater than 5 pCi/l, the sample was analyzed for radium 226/228. If gross alpha particle activity was detected at a concentration greater than 15 pCi/l, a second sample was collected to confirm the elevated gross alpha particle activity. If elevated gross alpha particle activity (greater than 15 pCi/l) was confirmed or if combined radium 226/228 exceeded 5 pCi/l, an MCL letter was issued and the nontransient noncommunity system was advised they have one year to come into compliance. Lastly, the NJDEP adopted a new requirement in N.J.A.C. 7:10-5 (December 2004) that the gross alpha radiological samples collected from public community systems for compliance with the Federal Radiological Rule be analyzed using the 48-Hour Rapid Gross Alpha Test. The 48-Hour Rapid Gross Alpha test method was adopted on September 16, 2002 at N.J.A.C. 7:18.

Volatile Organic Chemicals and Synthetic Organic Chemicals

Transient noncommunity water systems are not required by federal law to sample for volatile organic chemicals or synthetic organic chemicals. However, a number of transient noncommunity water systems in New Jersey submit results of volatile organic chemical or synthetic organic chemical sampling to NJDEP's Bureau of Safe Drinking Water Implementation. These systems generally fall into one of two categories: either

they have initiated sampling on their own or, more commonly, the transient noncommunity system was sampled as part of an investigation into a nearby groundwater contamination case. In either case, the results are kept in the same database as the results for other public water systems and if an MCL is exceeded, an MCL violation letter is issued and the transient noncommunity water system is required to come into compliance within one year.

Summary of Violation Data

Individual water system MCL and treatment technique violations for community and noncommunity water systems appear in Appendices B and D, respectively. Appendix C lists community water system action level violations of the Lead and Copper Rule; nontransient noncommunity Lead and Copper Rule violations appear in Appendix E.

Following is a summary of 2003 violation data for each contaminant group, followed by consumer notification violations.

Microbiological

MCL Violations. As depicted in Table 4, the total number of Total Coliform Rule (TCR) MCL violations increased slightly in 2003 (193) compared to 2002 (189). Of those violations, 21 acute violations occurred in 2003 compared to 22 in 2002, and the number of monthly violations increased slightly to 172 in 2003 from 167 in 2002.

Microbial quality as measured by the Total Coliform Rule continues to yield good results for the monitoring performed in 2003. The percentage of public water systems with a TCR MCL violation for public water systems remained nearly the same (3.6% in 2003, 3.3% in 2002). The number of systems with acute TCR MCL violations increased slightly from 2002 (19) compared to 2003 (21), and the number of systems with monthly TCR MCL violations (129) in 2003 decreased slightly from 2002 (139).

Table 4 shows acute and monthly Total Coliform Rule MCL violations since 1996:

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

Year	Total Coliform Rule MCL Violations			Systems with Total Coliform Rule MCL Violations			
	Acute	Monthly	Total	Acute	Monthly	Total	Percent
2003	21	172	193	21	129	131	3.6
2002	22	167	189	19	139	139	3.3
2001	41	229	270	40	195	198	4.7
2000	31	264	295	30	198	199	4.7
1999	44	181	225	41	141	143	3.2
1998	25	113	138	25	105	106	2.4
1997	15	122	137	14	95	109	2.3
1996	38	134	172	35	112	115	2.4

Monitoring/Reporting Violations. Table 5 (below) depicts the total number of coliform rule monitoring/reporting violations (817) for all public water systems in 2003, and depicts the total number of coliform rule monitoring/reporting violations since 1996. As is evident in Table 5, the total number of monitoring/reporting violations in 2003 has increased compared to 2002 (645). TCR monitoring/reporting non-compliance for microbial parameters slightly increased in 2003. Out of 4,125 PWS, 600 PWS (14%) missed sampling at least once during 2003, with a total of 817 total coliform test result summary reports missed.

A total of 21,411 total coliform test result summary reports were sent to NJDEP in 2003. These test result summary reports summarize results of between one and several hundred microbiological samples taken from each public water system either monthly or quarterly. There were only 193 MCL violations, therefore 99% of the time that public water systems were sampled, the results were within standards.

Although there have been increases in the 2003 coliform monitoring and reporting violations compared to 2002 (Table 5), there still remains a significant reduction in the coliform monitoring/reporting violations for the Total Coliform Rule since 1996 (2805).

Table 5: Total Coliform Rule Monitoring/Reporting Violations for all Public Water Systems

Year	Total Coliform Rule Monitoring/Reporting Violations	Systems with Total Coliform Rule Monitoring/Reporting Violations	Percentage of Systems that Missed Sampling at Least Once During the Year
2003	817	600	14%
2002	645	464	11%
2001	692	477	11%
2000	1070	667	16%
1999	1468	859	19%
1998	1736	972	22%
1997	2195	1216	26%
1996	2805	1384	29%

Treatment Violation. For filtered systems serving a population greater than or equal to 10,000 the Surface Water Treatment Rule was no longer applicable after January 1, 2002. The last unfiltered surface water treatment plant in New Jersey signed a consent agreement and built a new membrane filtration treatment plant that was put on line in November 2004. Sampling under the new Interim Enhanced Surface Water Treatment Rule (IESWTR) began in January 2002. Surface water systems or ground water under the direct influence of surface water systems serving 10,000 or more people must comply with all IESWTR provisions. 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 1NTU. There was only one treatment technique violation for 2003 and it was only for a brief duration.

Organic Chemicals

Volatile Organic Compounds (VOC) Rule:

MCL Violations. Of the community water systems and nontransient noncommunity water systems that monitored for VOCs in 2003, 23 MCL violations were issued at 20 systems for volatile organic compounds. Six community and 14 nontransient noncommunity systems received those MCL violations. By comparison, in 2002, 22 MCL violations were issued at 20 systems for VOCs; 9 community and 11 nontransient noncommunity. Three transient noncommunity water systems had an MCL violation in 2003, reported in Table 9 and Appendix F.

Monitoring/Reporting Violations. As seen in Table 6, a total of 215 community and nontransient noncommunity water systems (122 community and 93 noncommunity) had at least one monitoring violation. The total number of monitoring/reporting violations for VOCs in Table 6 is large (13,702) and can be explained as follows: 1) each missed VOC sample gets counted as 26 separate monitoring/reporting (M/R) violations, representing each of the 26 New Jersey regulated VOC compounds, and 2) some water systems have many entry points (treatment plants) that are monitored, and those water systems that did not provide a sufficient number of quarterly follow-up samples as a result of a detection of a VOC in the water system in 2003 were issued monitoring violations. For purposes of this 2003 report, the number of violations also includes those systems that did not perform sampling in the correct year of the three-year compliance period (2002-2004).

Table 6: Volatile Organic Compound Monitoring/Reporting Violations

Year	Volatile Organic Compound Monitoring/Reporting Violations	Systems with Volatile Organic Compound Monitoring/Report Violations
2003	13702	215
2002	8242	131
2001	7098	116
2000	10,972	159
1999	13,676	208
1998	12,740	181
1997	16,926	229
1996	15,756	176

Synthetic Organic Compounds (SOCs) Rule:

MCL Violations. This group of compounds, mostly pesticides, benefits from the extensive studies and the monitoring and waiver program that has been developed. Every three years, community and nontransient noncommunity water systems are required to either sample for certain SOCs or obtain a waiver from sampling. Most affected public water systems in New Jersey obtain waivers from sampling. As part of this waiver process, every three years the Bureau of Safe Drinking Water Technical Assistance collects samples from a select number of wells that serve community and nontransient noncommunity water systems and nearly all surface water bodies that supply water to community and nontransient noncommunity water systems. Surface water samples are taken under both storm conditions and base flow conditions. Raw water samples (before any treatment) are taken from ground water systems when possible. If significant detections are found in the raw water samples, another raw water and a finished water (point of entry) sample are collected. In 2003, NJDEP began collecting screening samples from selected groundwater and surface water locations throughout the State to determine the levels of pesticides in the most vulnerable areas of the State for the 2002-2004 Compliance Period. Data were used to issue SOC waivers for this period. Results of the 2003 samples did not yield any MCL violations for the pesticides analyzed.

Monitoring/Reporting Violations. As NJDEP conducts targeted statewide SOC monitoring, there were no requirements for routine monitoring and thus no M/R violations in 2003.

Total Trihalomethanes, Total Haloacetic Acids and Disinfectant Byproduct Precursors Compliance:

MCL Violations. There were no MCL violations for total trihalomethanes in 2003. There was one MCL violation for total haloacetic acids in 2003. A new treatment technology is being installed to resolve this problem at this particular system. There were no MCL violations for total organic carbon (TOC) in 2003, and this was the case in 2002 also.

Monitoring/Reporting Violations. There were 36 monitoring/reporting (M/R) violations for trihalomethanes at 25 community water systems in 2003, compared to 7 M/R violations for trihalomethanes at 7 community water systems in 2002. There were 9 M/R violations for haloacetic acids at 9 community water systems in 2003, compared to 2002 with 4 M/R violations at two community water systems. There were no M/R violations for TOC removal in 2003, as was the case in 2002 also.

Inorganic Chemicals (IOCs)

MCL Violations. Excluding nitrate, in 2003 there were no MCL violations at any community water system for inorganic chemicals, but one MCL violation at one nontransient noncommunity water system. This represents a significant decline in the number of violations compared to 2002, when there were seven MCL violations at five

community or nontransient noncommunity water systems for inorganic chemicals.

In 2003, two community water systems had three nitrate MCL violations, compared to 2002 with three community water systems each with a nitrate violation. In 2003, there were 42 nitrate MCL violations at 28 noncommunity water systems, compared to 2002 with 30 nitrate MCL violations at 18 noncommunity water systems. This represents a marked increase in both systems with nitrate violations and total nitrate violations for noncommunity water systems (Table 7). This trend continues to be a problem with noncommunity water systems and will be closely monitored by the NJDEP in future.

Asbestos monitoring was required for some community and noncommunity systems. Results were excellent with no MCL violations. Some systems had to apply for waivers and some were granted waivers until 2010 based on past results and waiver information.

Table 7: Nitrate MCL and Monitoring/Reporting Violations

Year	Nitrate MCL Violations	Systems with Nitrate MCL Violations	Percent	Nitrate Monitoring/Reporting Violations	Systems with Nitrate Monitoring/Reporting Violations	Percent
2003	42	30	0.7	726	439	10.6
2002	33	21	0.5	438	323	7.8
2001	29	18	0.4	403	290	6.9
2000	24	19	0.4	538	403	9.5
1999	29	26	0.6	642	540	12.2
1998	17	17	0.4	696	596	13.4
1997	24	19	0.4	1258	1035	22.0
1996	41	28	0.6	1594	1269	26.8

Monitoring/Reporting Violations. Total nitrate monitoring/reporting violations went from 438 in 2002 to 726 in 2003 (Table 7), a rise of 67%. Systems with nitrate monitoring/reporting violations went from a total of 323 in 2002 to a total of 439 in 2003.

Lead and Copper Rule:

Action Level Violations. All large systems have completed their initial monitoring and treatment optimization studies.

In 2003, the number of Action Level (AL) violations was less for community and non-community water systems compared to 2002 results. In 2003, there were 23 community water systems with 28 lead or copper action level violations, while in 2002 there were 31 community water systems with 38 lead or copper action level violations.

In 2003 some 94 nontransient noncommunity water systems had 119 lead or copper

Action Level violations. By comparison, in 2002 there were 107 nontransient noncommunity water systems with 147 lead or copper Action Level violations.

Monitoring/Reporting Violations. There was a slight increase in M/R violations for the Lead and Copper Rule in 2003: 10 violations for 5 systems, compared in 2002 to 6 monitoring/reporting violations at 3 public water systems.

Radiological Rule:

MCL Violations. During 2003, no community water systems were in violation of the gross alpha standard or the radium 226/228 standard. This was the case in 2002 also.

As noted earlier, in 2000 NJDEP began testing nontransient noncommunity water systems for gross alpha activity using the accelerated testing protocol. All nontransient noncommunity water systems had been tested by mid-2002. There were no new violations for gross alpha and radium 226/228 in 2003 for noncommunity systems.

Monitoring/Reporting Violations. No monitoring/reporting violations were incurred for gross alpha and radium 226/228 testing for 2003.

Consumer Notification Violations:

One provision of the 1996 amendments to the Federal Safe Drinking Water Act requires all community water systems to produce and distribute a Consumer Confidence Report (CCR) to all customers of 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 applicable MCL Violation or Action Level exceedance data, and sources of drinking water. Reports must be sent to customers by July 1 each year containing previous year test results. One community water system received a consumer notification violation for failure to submit a 2003 Consumer Confidence Report (representing 2002 drinking water test results). This information has been incorporated into Table 8 and Appendix G.

Summary

The quality of New Jersey's public drinking water continues to be excellent. Overall, the Water Supply Operations Element (WSOE), with support from NJDEP's Water Compliance and Enforcement Element, and county health agencies, continues progress in addressing MCL, treatment technique, and monitoring violations. Although nitrate violations seem to have increased substantially in noncommunity water systems, NJDEP believes the number of violations is likely an artifact of new NJDEP database initiatives and not truly representative of current noncommunity water quality. The WSOE will closely watch nitrate violations in future to determine the extent of nitrate in drinking water systems. Lastly, the WSOE capacity development strategy is targeted to assist public water systems with a history of significant non-compliance to achieve compliance, and we expect continued improvements over the next several years.

State:	New Jersey
Reporting Interval:	January 1, 2003- December 31, 2003

Table 8
Violations Table
(with SDWIS Codes)

SDWIS Codes		MCL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
	Organic Contaminants								
2981	1,1,1-Trichloroethane	0.2	0.03	0	0			527	215
2977	1,1-Dichloroethylene	0.007	0.002	2	2			527	215
2985	1,1,2-Trichloroethane	0.005	0.003	0	0			527	215
2378	1,2,4-Trichlorobenzene	0.07	0.009	0	0			527	215
2931	1,2-Dibromo-3-chloropropane (DBCP)	0.0002		0	0			0	0
2980	1,2-Dichloroethane	0.005	0.002	0	0			527	215
2983	1,2-Dichloropropane	0.005		0	0			527	215
2063	2,3,7,8-TCDD (Dioxin)	3×10^{-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

State:	New Jersey
Reporting Interval:	January 1, 2003- December 31, 2003

SDWIS Codes		MCL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
2051	Alachlor	0.002		0	0			0	0
2050	Atrazine	0.003		0	0			0	0
2990	Benzene	0.005	0.001	1	1			527	215
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			527	215
2959	Chlordane	0.002	0.0005	Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2380	Cis-1,2-Dichloroethylene	0.07		0	0			527	215
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-ethylhexyl)phthalate	0.006		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2964	Dichloromethane (methylene chloride)	0.005	0.003	1	1			527	215
2041	Dinoseb	0.007		0	0			0	0

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

State:	New Jersey
Reporting Interval:	January 1, 2003- December 31, 2003

SDWIS Codes		MCL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
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			527	215
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

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

State:	New Jersey
Reporting Interval:	January 1, 2003- December 31, 2003

SDWIS Codes		MCL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
2042	Hexachlorocyclopentadiene	0.05		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
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			527	215
2968	o-Dichlorobenzene	0.6		0	0			527	215
2969	Para-Dichlorobenzene	0.075		0	0			527	215
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	9	9			527	215
2984	Trichloroethylene	0.005	0.001	9	9			527	215
2996	Styrene	0.1		0	0			527	215
2991	Toluene	1		0	0			527	215
2979	Trans-1,2-Dichloroethylene	0.1		0	0			527	215
2955	Xylenes (total)	10	1	0	0			527	215

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

State:	New Jersey
Reporting Interval:	January 1, 2003- December 31, 2003

SDWIS Codes		MCL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
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		1	1			527	215
2967	Meta-Dichlorobenzene		0.06	0	0			527	215
2978	1,1-Dichloroethane		0.05	0	0			527	215
2251	Methyl tertiary-butyl ether		0.07	0	0			527	215
2248	Napthalene		0.3	0	0			527	215
2988	1,1,2,2-Tetrachloroethane		0.001	0	0			527	215
	Subtotal Organics			23	20			13702	215

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

State:	New Jersey
Reporting Interval:	January 1, 2003- December 31, 2003

SDWIS Codes		MCL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
	Inorganic Contaminants								
1074	Antimony	0.006		1	1			10	4
1005	Arsenic	0.05	0.05**	0	0			0	0
1094	Asbestos	7 million fibers/l >10 μ m/l		0	0			0	0
1010	Barium	2		0	0			7	2
1075	Beryllium	0.004		0	0			0	0
1015	Cadmium	0.005		0	0			9	3
1020	Chromium	0.1		0	0			12	3
1024	Cyanide (as free cyanide)	0.2		0	0			0	0
1025	Fluoride	4.0		0	0			6	2
1035	Mercury	0.002		0	0			12	5
1040	Nitrate	10 (as Nitrogen)		45	30			726	439
1041	Nitrite	1 (as Nitrogen)		0	0			3	3

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

** The MCL of 5 micrograms per liter (ug/l) for Arsenic is effective on December 6th, 2004 with an implementation date of January 23rd, 2006.

State:	New Jersey
Reporting Interval:	January 1, 2003- December 31, 2003

SDWIS Codes		MCL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
1045	Selenium	0.05		0	0			0	0
1085	Thallium	0.002		0	0			7	2
1038	Total nitrate and nitrite	10 (as Nitrogen)		See SDWIS code 1040	See SDWIS code 1040			See SDWIS code 1040	See SDWIS code 1040
	Radionuclide MCLs								
4000	Gross alpha	15 pCi/l		0	0			0	0
4010	Radium-226 and -228	5 pCi/l		0	0			0	0
4101	Gross beta	4 mrem/yr		0	0			0	0
	Subtotal inorganics plus radionuclides			46	31			793	463

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

State:	New Jersey
Reporting Interval:	January 1, 2003- December 31, 2003

SDWIS Codes		MCL		MCLs Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
	Total Coliform Rule								
21	Acute MCL Violation	Presence		21	21				
22	Non-acute (monthly) MCL violation	Presence		172	129				
23, 25	Major routine and follow up monitoring							817	600
28	Sanitary survey*							0	0
	Subtotal Total Coliform Rule			193	138			817	600

*Number of major monitoring violations for sanitary survey under the Total Coliform Rule.

State:	New Jersey
Reporting Interval:	January 1, 2003- December 31, 2003

SDWIS Codes		MCL		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
	Surface Water Treatment Rule								
	Filtered systems								
36	Monitoring, routine/repeat							9	5
41	Treatment techniques					0	0		
	Unfiltered systems								
31	Monitoring, routine/repeat							0	0
42	Failure to filter					0	0		
	Subtotal Surface Water Treatment Rule					0	0	9	5

State:	New Jersey
Reporting Interval:	January 1, 2003 - December 31, 2003

SDWIS Codes		MCL		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
	Interim Enhanced Surface Water Treatment Rule								
	Filtered systems								
38	Monitoring, routine/repeat							12	8
37	Treatment techniques					0	0		
43	Treatment techniques					1	1		
44	Treatment techniques					0	0		
47	Treatment Techniques					0	0		
	Subtotal Interim Enhanced Surface Water Treatment Rule					1	1	12	8

State:	New Jersey
Reporting Interval:	January 1, 2003 - December 31, 2003

SDWIS Codes		*MCL/ MRDL (µg/l)		MCL/.MRDL Violations		Treatment Technique Violations		Significant Monitoring/Reporting	
		Federal MCL/ MRDL	State MCL/ MRDL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
	Stage 1 Disinfectants and Disinfection Byproducts Rule								
27	Monitoring and Reporting (9 HAA5 for 9 systems and 36 TTHM for 25 systems)							45	34
02	Average MCL (TTHMS)	80		0	0				
02	Average MCL (HAA5)	60		1	1				
02	Average MCL Bromate	10		0	0				
02	Average MCL Chlorite	1000		0	0				
11	MRDL Chlorine	4.0 ppm as chlorine		0	0				
11	MRDL Chloramine	4.0 ppm as chlorine		0	0				
11	MRDL Chlorine Dioxide	800		0	0				
13	MRDL Acute			0	0				
12, 37, 46	Treatment Techniques			0	0				
	Subtotal of Stage 1 Disinfectants and Disinfection Byproducts Rule.			1	1	0	0	45	34

* Values are in micrograms per liter (µg/l) unless otherwise specified.

State:	New Jersey
Reporting Interval:	January 1, 2003- December 31, 2003

SDWIS Codes		MCL		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
	Lead and Copper Rule								
51	Initial lead and copper tap M/R							10	5
52	Follow up or routine lead and copper tap M/R							10	6
58,62	Treatment installation					0	0		
65	Public Education					0	0		
	Subtotal Lead and Copper Rule					0	0	20	11

State:	New Jersey
Reporting Interval:	January 1, 2003- December 31, 2003

SDWIS Codes		MCL		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
	Consumer Confidence Reporting								
71	Significant Consumer Notification Violations							1	1

State:	New Jersey
Reporting Interval:	January 1, 2003- December 31, 2003

**Table 9 -Additional Monitoring in New Jersey
Violations Table
(with SDWIS Codes)**

SDWIS Codes		MCL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
	Organic Contaminants for transient noncommunity water systems								
2977	1,1 Dichloroethylene	0.007	0.002	1	1				
2984	Trichloroethylene	0.005	0.001	1	1				
2987	Tetrachloroethylene	0.005	0.001	1	1				

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

Definitions for Violations Tables 8 and 9

The following definitions apply to the Summary of Violations table.

Consumer Confidence Reports: SDWIS Violation Code 71 indicates that a Community Water System failed to submit a CCR 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 shows 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 (M/R) 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 min. apart after first 4 hrs 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 M/R: 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 M/R: 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 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 USEPA's 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 first PWS Annual Compliance Report, which is to be submitted to USEPA by January 1, 1998, is from July 1, 1996 through June 30, 1997. This interval will change for future annual reports. See guidance language for these intervals.

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 Disinfectants and Disinfection Byproducts Rule (Stage 1 DBPR): This rule applies to all community water systems (CWS) and nontransient noncommunity water system (NTNCWS) that add a chemical disinfectant in any part of the drinking water treatment process and transient noncommunity (TNC) water system using chlorine dioxide. The Stage 1 DBPR includes maximum residual disinfectant levels (MRDLs) and maximum residual disinfectant level goals (MRDLGs) which are similar to MCLs and MCLGs but for disinfectants. [40CFR 141, Subpart L]. Violations of the Stage 1 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 (M/R): SDWIS Violation Code 27 address insufficient sample collection for samples required under the Stage 1 DBPR.

Total Coliform Rule (TCR): 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 show 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.

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 2003 MCL and Treatment Technique Violations New Jersey Department of Environmental Protection

PWSID	System Name	Fac #	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comment
0113001	HAMMONTON WATER DEPT	02	1/1/2003	TETRACHLOROETHYLENE	I	RTC 10/04	
0248001	RAMSEY WATER DEPT	19	1/1/2003	TRICHLOROETHYLENE	I	RTC 12/04	
0248001	RAMSEY WATER DEPT	19	1/1/2003	TETRACHLOROETHYLENE	I	RTC 12/04	
0251001	RIDGEWOOD WATER DEPT	04	1/1/2003	TETRACHLOROETHYLENE	I	RTC 12/04	
0436010	WINSLOW COURT HOMES INC	01	1/1/2003	1,1 - DICHLOROETHYLENE	N	RTC 12/04	
1436001	HERCULES INC-KENVIL NJ SITE	01	1/1/2003	TRICHLOROETHYLENE		PN 12/03	
0325001	US ARMY FORT DIX		6/9/2003	TURBIDITY		RTC 6/9/03	0.5 HR Duration
1439001	WHARTON WATER DEPT	02	1/1/2003	TETRACHLOROETHYLENE		RTC 5/04	
0612001	J & J COMMUNITY PARK	01	7/1/2003	NITRATE	R		
0612001	J & J COMMUNITY PARK	01	10/1/2003	NITRATE	R		
1912005	HOPATCONG WATER DEPT-RAND ST	01	1/1/2003	NITRATE		PN 8/03	
0211001	ELMWOOD PARK WATER DEPT		9/1/2003	COLIFORM		RTC 12/03	Monthly Violation
0211001	ELMWOOD PARK WATER DEPT		10/1/2003	COLIFORM		RTC 12/03	Monthly Violation
0211001	ELMWOOD PARK WATER DEPT		10/1/2003	COLIFORM		RTC 12/03	Acute Violation
0326014	LEE MOBILE HOMES		4/1/2003	COLIFORM		RTC 5/03	Monthly Violation
0333001	PINELANDS WATER CO		7/1/2003	COLIFORM		RTC 8/03	Monthly Violation
0814001	PAULSBORO WATER DEPARTMENT		11/1/2003	COLIFORM		RTC 12/03	Monthly Violation
1215001	NORTH BRUNSWICK W DEPT		7/1/2003	COLIFORM	N	RTC 8/03	Acute Violation (In dispute)
1223001	SOUTH RIVER W DEPT		8/1/2003	COLIFORM	N	RTC 9/03	Monthly Violation
1404001	CHATHAM WATER DEPT		5/1/2003	COLIFORM		RTC 6/03	Monthly Violation
1404001	CHATHAM WATER DEPT		10/1/2003	COLIFORM		RTC 11/03	Monthly Violation
1409001	DOVER WATER COMMISSION		4/1/2003	COLIFORM		RTC 5/03	Monthly Violation
1409001	DOVER WATER COMMISSION		10/1/2003	COLIFORM		RTC 11/03	Monthly Violation
1414022	JEFFERSON GARDEN ASSOCIATION		6/1/2003	COLIFORM		RTC 7/03	Monthly Violation
1420001	MINE HILL TWP WATER DEPT		6/1/2003	COLIFORM		RTC 7/03	Monthly Violation
1421004	PLAUSHA PARK WATER CO		6/1/2003	COLIFORM	E	RTC 7/03	Monthly Violation
1424001	SOUTHEAST MORRIS COUNTY		6/1/2003	COLIFORM	E	RTC 6/03	Monthly Violation

PWSID	System Name	Fac #	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comment
1435002	ROCKAWAY TWP WATER DEPT		8/1/2003	COLIFORM	E	RTC 9/03	Acute Violation
1511008	SOUTH WIND MOBILE HOME V		7/1/2003	COLIFORM		RTC 10/03	Monthly Violation
1511008	SOUTH WIND MOBILE HOME V		9/1/2003	COLIFORM		PN Req. 8/03	Monthly Violation
1511017	JACKSON COLONIAL ARMS AP		9/1/2003	COLIFORM		RTC 12/03	Acute Violation
1511017	JACKSON COLONIAL ARMS AP		10/1/2003	COLIFORM		RTC 12/03	Monthly Violation
1511017	JACKSON COLONIAL ARMS AP		11/1/2003	COLIFORM		RTC 12/03	Monthly Violation
1904007	COLBY WATER CO		12/1/2003	COLIFORM		RTC 1/04	Monthly Violation
1912001	HOPATCONG WATER DEPT		7/1/2003	COLIFORM	E	RTC 8/03	Monthly Violation
1914002	MONTAGUE WATER CO.		3/1/2003	COLIFORM	E	RTC 4/03	Monthly Violation
1922010	LAKE GLENWOOD REALTY CO.		11/1/2003	COLIFORM	E	RTC 12/03	Monthly Violation
1922010	LAKE GLENWOOD REALTY CO.		11/1/2003	COLIFORM		RTC 12/03	Acute Violation

KEY TO APPENDIX B:

*Treatment Status: N = Not required, R = Required but not installed, I = Installed, U = Under construction

** Compliance Status: PN = Public notice, RTC = Return to Compliance

Appendix C: Community Water System 2003 Action Level Violation New Jersey Department of Environmental Protection

PWSID #	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance	Comment
0108004	NORMS DALE MOBILE HOME PARK	6/30/2003	COPPER	I	RTC 6/04	
0108008	OCEAN HEIGHTS TRAILER CO	6/30/2003	COPPER	I		Insufficient Sampling to Return to Compliance-did not monitor every 6 mos.
0111004	POMONA MOBILE HOME PARK	6/30/2003	COPPER	I		
0111007	EVERGREEN WOODS CAMPGROUND	6/30/2003	COPPER	I		Waiting on '05 data to RTC
0123002	THE OAKS OF WEYMOUTH WATER CO.	12/31/2003	LEAD	I	RTC 6/04	
0332002	OAKVIEW LEISURE VILLAGE	6/30/2003	COPPER			
0332002	OAKVIEW LEISURE VILLAGE	6/30/2003	LEAD			
0410001	TOWN & COUNTRY MHP	6/30/2003	COPPER	I		
0410001	TOWN & COUNTRY MHP	6/30/2003	LEAD	I		
0436006	STRAWBERRY VILLAGE MOBILE H P	12/31/2003	COPPER	R		
0506010	NJ AMERICAN W CO NEPTUNE SY	12/31/2003	LEAD	I		
0607001	HOPEWELL PLACE SENIOR APTS	6/30/2003	COPPER	I		
0613001	SEABROOK WATER CORPORATION	6/30/2003	COPPER	I		Well Shut down-Receiving water from Upper Deerfield
0614009	LAKE ACRES MOBILE HOME PARK	6/30/2003	LEAD	R	PN	Must go to 6 mos increased monitoring
0701001	BELLEVILLE WATER DEPT	12/31/2003	LEAD	I		Bulk Purchase-Newark Silica Treatment
0904001	HARRISON W DEPT	6/30/2003	LEAD		RTC 5/04	Bulk Purchase Supplier has CCT (1605002)
1019001	CONSUMERS NJ WATER-BUNNVALE	6/30/2003	COPPER	I		Awaiting additional data to RTC
1019001	CONSUMERS NJ WATER-BUNNVALE	6/30/2003	LEAD	I	RTC 12/04	
1344001	SEA GIRT WATER DEPT	12/31/2003	LEAD	R		New Owner/operator-notified of violation Req'd to do public education & corrosion control.
1438001	CLIFFSIDE PARK ASSOC INC	6/30/2003	LEAD			
1438006	SHERWOOD VILLAGE	12/31/2003	COPPER		PN 2/05	
1438006	SHERWOOD VILLAGE	12/31/2003	LEAD		PN 2/05	
1511009	PLEASANT GARDENS APARTMENTS	12/31/2003	COPPER			
1511020	PLEASANT GARDENS SOUTH	6/30/2003	COPPER			
1530001	WEST BAY VILLAGE	6/30/2003	LEAD			

PWSID #	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance	Comment
1915001	NEWTON WATER & SEWER UTI	6/30/2003	LEAD		PN 8/04	1 st HALF OF 2004 PB AL
1922027	HIDDEN VILLAGE CONO ASSOC	12/31/2003	LEAD	N	RTC	Below AL-Results incorrectly reported
2108001	HACKETTSTOWN MUA	12/31/2003	LEAD	R		Resolution in progress w/NJDEP

KEY TO APPENDIX C:

*Treatment Status: N = Not required, R = Required but not installed, I = Installed, U = Under construction

** Compliance Status: PN = Public notice, RTC = Return to Compliance, NOV = Notice of violation.

Appendix D: Noncommunity Water System 2003 MCL Violations

PWSID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comment
0112348	BARRETT ASPHALT CORP-#2	1/1/2003	TRICHLOROETHYLENE			
0205300	RUDOX ENGINE & EQUIPMENT	1/1/2003	TETRACHLOROETHYLENE	I	RTC 6/04	
0263309	PLAZA 17 NORTH	1/1/2003	TRICHLOROETHYLENE		NOV & PN 4/03	
0435327	INTERPROD, INC.	1/1/2003	METHYLENE CHLORIDE			Investigating Case- On bottled water
0702300	WILLIES DINER	1/1/2003	TRICHLOROETHYLENE	E	PN 12/03	
0716003	NUTLEY TOWN HALL COMPLEX WELL	1/1/2003	TETRACHLOROETHYLENE	E	RTC 12/03	PN 11/03
1021396	FLEMINGTON CHRYSLER/MAZD	1/1/2003	VINYL CHLORIDE		RTC 2/03	Bottled water used. To be connected to Etown.
1021396	FLEMINGTON CHRYSLER/MAZD	1/1/2003	TRICHLOROETHYLENE		RTC 2/03	Bottled water use. To be connected to Etown.
1021396	FLEMINGTON CHRYSLER/MAZD	1/1/2003	BENZENE		RTC 2/03	Bottled water used. To be connected to Etown.
1022361	SALEM SQUARE	6/27/2003	1,1 - DICHLOROETHYLENE	I	RTC 4/04	
1316335	FREEHOLD CHEVROLET GEO INC.	1/1/2003	TETRACHLOROETHYLENE	N		Quarterly Samples not done
1351322	ALLENTOWN CAGING EQUIPMENT	1/1/2003	ANTIMONY	R		System to begin Quarterly Monitoring
1436363	PRC CORPORATION #1	1/1/2003	TETRACHLOROETHYLENE	I		4 Quarterly '03 Avg < MCL
1436364	PRC CORPORATION	1/1/2003	TRICHLOROETHYLENE	I	PN Req	GAC
1518328	MANCHESTER PUBLIC WORKS	1/1/2003	TRICHLOROETHYLENE			
1813303	3M MINING COMPANY	1/1/2003	TRICHLOROETHYLENE	N		Already on Quarterly Monitoring
2122324	COUNTRY CHARM TRAILER PARK	1/1/2003	TETRACHLOROETHYLENE	N		
0104320	LIBRARY 5	7/1/2003	NITRATE	I		
0105334	SAVOY INN	4/1/2003	NITRATE		RTC	
0436314	RAY & ALICE'S SICKLERVIL	4/1/2003	NITRATE		PN Req	Public Notice
0436314	RAY & ALICE'S SICKLERVILLE	1/1/2003	NITRATE		PN Req	
0436390	WINSLOW UNITED METHODIST	4/1/2003	NITRATE		PN Req	
0506346	KING NUMMY CG-WELLS 3 &	7/1/2003	NITRATE		RTC	
0607305	CAMP SHEPPARD'S MILL	7/1/2003	NITRATE	I		
0608308	SHEPPARD FARMS	10/1/2003	NITRATE	I		
0606304	GREENWICH COUNTRY STORE	11/3/2003	NITRATE			Quarterly samples not done
0611302	SHILOH MARKET	1/1/2003	NITRATE		PN Req	
1406319	LARISON'S TURKEY FARM	12/3/2003	NITRATE		PN 2/04	
1701305	TALL PINES CAMPGROUND STATE	12/3/2003	NITRATE	I		
1701318	TALL PINES CG-D22 WELL	3/3/2003	NITRATE	I		

PWSID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comment
0436314	RAY & ALICE'S SICKLERVILLE	5/3/2003	NITRATE		PN Req	
0436314	RAY & ALICE'S SICKLERVILLE	9/3/2003	NITRATE		PN Req	
0613308	THE RED BARN DELI	7/1/2003	NITRATE	I		
0613320	FRANCO'S PLACE	7/1/2003	NITRATE		PN Req	
0613320	FRANCO'S PLACE	10/1/2003	NITRATE		PN Req	
0804305	MOODS FARM MARKET	1/1/2003	NITRATE	N	RTC 1/05	
1202320	CRANBURY SWIM CLUB	7/1/2003	NITRATE	N		Seasonal operator still pursuing compliance
1414349	TINY'S	4/1/2003	NITRATE		PN Req 6/03	
1432338	CTR FOR MEDICINE AT RANDOLPH	7/1/2003	NITRATE		PN Req 7/03	
1433303	TOM'S MOBILE	1/1/2003	NITRATE	I 5/03		Public Notice
1435310	TELEMARK TAVERN	1/1/2003	NITRATE		PN Req 5/03	
1435310	TELEMARK TAVERN	4/1/2003	NITRATE		PN Req 5/03	
1435325	SUN RISE SUNSET NURSERY SCHOOL	4/1/2003	NITRATE	I 4/04	PN 9/03	NOV 3/04
1435325	SUN RISE SUNSET NURSERY SCHOOL	7/1/2003	NITRATE	I -Ion Exchange	PN 9/03	NOV 3/04
1435325	SUN RISE SUNSET NURSERY SCHOOL	10/1/2003	NITRATE		PN 9/03	NOV 3/04
1701317	TALL PINES CAMP GROUNDS	4/1/2003	NITRATE	I		
1701317	TALL PINES CAMP GROUNDS	7/1/2003	NITRATE	I		
1710329	MISSION TEENS INC.	10/1/2003	NITRATE	I		
1714309	THE STORE	10/1/2003	NITRATE		PN Req	
1714309	THE STORE	7/1/2003	NITRATE		PN Req	
1907309	TEA-HIVE	4/1/2003	NITRATE		NOV 1/04	Public Notice
1907309	TEA-HIVE	10/1/2003	NITRATE		NOV 2/04	Public Notice
1908322	NVE PHARM	10/1/2003	NITRATE	R	NOV 1/04	Public Notice
1922304	94 MOTOR LODGE	4/1/2003	NITRATE		NOV 2/04	
1924334	UNCLE JOHN'S TAVERN	1/1/2003	NITRATE		PN 5/03	NOV 2/03
1924334	UNCLE JOHN'S TAVERN	4/1/2003	NITRATE		PN 5/03	NOV 6/03
0105322	NEWTONVILLE HEADSTART	7/1/2003	COLIFORM	N	RTC 8/03	Monthly Violation
0233312	CAMP GLEN GREY	7/1/2003	COLIFORM			Monthly Violation - Referred to Bergen HD
0233312	CAMP GLEN GREY	10/1/2003	COLIFORM			Monthly Violation - Referred to Bergen HD
0233313	CAMP GLEN GREY	7/1/2003	COLIFORM		RTC 3/04	Monthly Violation
0233313	CAMP GLEN GREY	10/1/2003	COLIFORM		RTC 3/04	Monthly Violation
0320332	IRONSTONE OFFICE COMPLEX	7/1/2003	COLIFORM		RTC 10/03	Monthly Violation
0320332	IRONSTONE OFFICE COMPLEX	7/1/2003	COLIFORM		RTC 10/03	Acute Violation

PWSID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comment
0333300	NEW VINCENTOWN DINER	4/1/2003	COLIFORM		RTC 7/03	Monthly Violation
0436410	LATTIMER CONSTRUCTION	4/1/2003	COLIFORM		RTC 5/03	Monthly Violation
0605304	PSALMS 49	7/1/2003	COLIFORM		RTC 10/03	Monthly MCL Violation
0605304	PSALMS 49	7/1/2003	COLIFORM		RTC 10/03	Acute MCL Violation
1006301	WINNEWALD DAY CAMP	7/1/2003	COLIFORM		RTC 10/03	Monthly Violation
1006301	WINNEWALD DAY CAMP	7/1/2003	COLIFORM	I	RTC 10/03	Acute MCL Violation/ UV equipment repaired and installed
1006301	WINNEWALD DAY CAMP	8/1/2003	COLIFORM		RTC 10/03	Monthly Violation
1006321	WHISKEY CREEK GRILL	7/1/2003	COLIFORM	N	RTC 10/03	Monthly Violation
1006332	HK BUZBY & SON'S	1/1/2003	COLIFORM	N	RTC 4/03	Monthly Violation
1006338	LAKESIDE DELI	7/1/2003	COLIFORM			Monthly Violation-Enforcement Action Take-Fined
1008301	EAST AMWELL TWP	10/1/2003	COLIFORM	N	RTC12/03	Monthly Violation
1008303	HARVEST MOON INN	8/1/2003	COLIFORM		RTC 10/03	Monthly - Questionable**** 11/5 positive
1008303	HARVEST MOON INN	9/1/2003	COLIFORM	I (UV light bulb)	RTC 10/03	Monthly Violation
1010309	GARDEN STATE GROWERS	4/1/2003	COLIFORM	N	RTC 7/03	Monthly Violation
1016310	ERRICO'S	4/1/2003	COLIFORM	N	RTC 7/03	Monthly Violation
1016310	ERRICO'S	7/1/2003	COLIFORM	N	RTC 10/03	Monthly Violation
1019309	HUNTERDON LEARNING CENTER	1/1/2003	COLIFORM	N	RTC 4/03	Monthly Violation
1021333	TEKNI-PLEX INC	9/1/2003	COLIFORM	N	RTC 10/03	Monthly Violation
1022325	READINGTON DINER	7/1/2003	COLIFORM	N	RTC 10/03	Monthly Violation
1022369	WHAT'S COOKING	4/1/2003	COLIFORM		RTC 7/03	Monthly Violation
1022369	WHAT'S COOKING	4/1/2003	COLIFORM		RTC 7/03	Acute MCL Violation
1026302	SOUTH HUNTERDON REGIONAL	7/1/2003	COLIFORM		RTC 10/03	Monthly Violation
1101312	AMERICAN LEGION POST 148	1/1/2003	COLIFORM		RTC 5/03	Monthly Violation
1222310	KEYSTONE PLASTICS, INC.	4/1/2003	COLIFORM		RTC 6/03	Monthly Violation
1309320	MERCHANTS WAY SHOPPING CTR	10/1/2003	COLIFORM		RTC 5/04	Monthly Violation
1319440	WONDERLAND PRESCHOOL	4/1/2003	COLIFORM		RTC 5/03	Monthly Violation
1326339	YURKOVIC C&K AUTO SERVICE	4/1/2003	COLIFORM		RTC 5/03	Monthly Violation
1326339	YURKOVIC C&K AUTO SERVICE	5/1/2003	COLIFORM		RTC 8/03	Monthly Violation
1326339	YURKOVIC C&K AUTO SERVICE	4/1/2003	COLIFORM		RTC 8/03	Acute MCL Violation
1326346	MILLHURST MILLS INC, WEL	7/1/2003	COLIFORM		RTC 10/03	Monthly Violation
1326346	MILLHURST MILLS INC, WEL	10/1/2003	COLIFORM		RTC 1Q2004	Monthly Violation
1332306	BELLA NAPOLI	7/1/2003	COLIFORM		RTC 10/03	Monthly Violation

PWSID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comment
1332322	PRIMAVERA PIZZARIO	7/1/2003	COLIFORM		RTC 9/03	Monthly Violation
1407308	GLENLORA	10/1/2003	COLIFORM		RTC 1/04	Monthly Violation
1414302	JEFFERSON HOUSE	7/1/2003	COLIFORM		RTC 10/03	Monthly Violation
1414309	PAUL'S FAMILY RESTAURANT	4/1/2003	COLIFORM		RTC 7/03	Monthly Violation
1414350	SNEAKY PETE'S	7/1/2003	COLIFORM		RTC 10/03	Monthly Violation
1414386	SHOPPING CTR GROUP STORE	7/1/2003	COLIFORM		RTC 9/03	Monthly Violation
1414390	LAKE HOPATCONG FAMILY PRACTICE	8/1/2003	COLIFORM		RTC 9/03	Monthly Violation
1414418	MAHLON DICKERSON RESERVATION	7/1/2003	COLIFORM		RTC 10/04	Monthly Violation
1415301	LOTSA PASTA	4/1/2003	COLIFORM		RTC 7/03	Monthly Violation
1417300	FAIRLEIGH-DICKINSON UNIVERSITY	8/1/2003	COLIFORM	E	RTC 9/03	Monthly Violation
1422300	HONEYWELL INTERNATIONAL INC.	9/1/2003	COLIFORM		RTC 11/03	Monthly Violation
1422300	HONEYWELL INTERNATIONAL INC.	9/1/2003	COLIFORM		RTC 11/03	Acute MCL Violation
1422301	MORRIS COUNTY GOLF CLUB	10/1/2003	COLIFORM		RTC 11/03	Monthly Violation
1422304	LEWIS MORRIS PARK-AREA A	7/1/2003	COLIFORM		RTC 11/03	Monthly Violation
1422304	LEWIS MORRIS PARK-AREA A	10/1/2003	COLIFORM		RTC 11/03	Monthly Violation
1427325	PAVILION LOUNGE	7/1/2003	COLIFORM	E	RTC 12/03	Monthly Violation
1427325	PAVILION LOUNGE	7/1/2003	COLIFORM		RTC 12/03	Acute MCL Violation
1427376	CALLAREMI PONTIAC, BUICK & CAD	7/1/2003	COLIFORM		RTC 8/03	Monthly Violation
1432311	CASA DE PASTA	10/1/2003	COLIFORM		RTC 11/03	Monthly Violation
1432311	CASA DE PASTA	12/1/2003	COLIFORM		RTC 1/04	Monthly Violation - Did not collect proper number of samples
1435348	CAMP LEWIS-NRTHN. NJ COU., BSA	4/1/2003	COLIFORM		RTC 7/03	Monthly Violation
1436336	ACADEMY 1	10/1/2003	COLIFORM		RTC 11/03	Monthly Violation
1436354	ADAM METAL PRODUCTS	2/1/2003	COLIFORM		RTC 4/03	Monthly Violation
1436354	ADAM METAL PRODUCTS	3/1/2003	COLIFORM		RTC 4/03	Monthly Violation
1436354	ADAM METAL PRODUCTS	4/1/2003	COLIFORM		RTC 6/03	Monthly Violation
1436358	REFORM TEMPLE SHALOM	4/1/2003	COLIFORM		RTC 7/03	Monthly Violation
1436358	REFORM TEMPLE SHALOM	7/1/2003	COLIFORM		RTC 9/03	Monthly Violation
1436360	ROXBURY CAR WASH	7/1/2003	COLIFORM		RTC 10/03	Monthly Violation
1436370	TOKYO HOUSE JAPANESE RESTAURAN	10/1/2003	COLIFORM		RTC 12/03	Monthly Violation
1436370	TOKYO HOUSE JAPANESE RESTAURAN	11/1/2003	COLIFORM		RTC 12/03	Monthly Violation
1436372	JACKS JOY LIQUOR & DELI	7/1/2003	COLIFORM		RTC 10/03	Monthly Violation
1438331	SCHOOLEY'S MTN FIRE PROT	1/1/2003	COLIFORM		RTC 4/03	Monthly Violation

PWSID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comment
1507392	PINE REST MOTEL - WELL #	8/1/2003	COLIFORM		RTC 10/03	Monthly Violation
1507392	PINE REST MOTEL - WELL #	9/1/2003	COLIFORM		RTC 10/03	Monthly Violation
1508317	WEST CREEK LIQUORS	1/1/2003	COLIFORM		RTC 2/03	Monthly Violation
1508319	JEFFREEZE	7/1/2003	COLIFORM		RTC 8/03	Monthly Violation
1511343	JACKSON MUNICIPAL BLDG	4/1/2003	COLIFORM		RTC 9/03	Monthly Violation
1514350	AUTO ACCENTS/CYCLE ACCENTS	10/1/2003	COLIFORM			Monthly Violation
1602304	HOLY FACE MONASTERY	7/1/2003	COLIFORM		RTC 9/03	Monthly Violation
1602304	HOLY FACE MONASTERY	7/1/2003	COLIFORM		RTC 9/03	Acute MCL Violation
1602304	HOLY FACE MONASTERY	8/1/2003	COLIFORM		RTC 9/03	Monthly Violation
1611314	RINGWOOD PLAZA SHOPPING	1/1/2003	COLIFORM		RTC 3/03	Monthly Violation
1611314	RINGWOOD PLAZA SHOPPING	2/1/2003	COLIFORM		RTC 3/03	Monthly Violation
1611318	RINGWOOD CHILDRENS COUNTRY PRE	10/1/2003	COLIFORM		RTC 11/03	Monthly Violation
1615325	MACOPIN SCHOOL	10/1/2003	COLIFORM		RTC 12/03	Monthly Violation
1615327	WESTBROOK SCHOOL	10/1/2003	COLIFORM		RTC 11/03	Monthly Violation
1615331	PROJECT U.S.E.	7/1/2003	COLIFORM		RTC 9/03	Monthly Violation
1615334	OAKRIDGE PRESBYTERIAN/MY SCHOO	10/1/2003	COLIFORM		RTC 11/03	Monthly Violation
1615344	WEST MILFORD TOWN HALL	7/1/2003	COLIFORM		RTC 3/04	Monthly Violation
1615344	WEST MILFORD TOWN HALL	8/1/2003	COLIFORM		RTC 3/04	Monthly Violation
1615344	WEST MILFORD TOWN HALL	10/1/2003	COLIFORM		RTC 3/04	Monthly Violation - PN 10/03
1615344	WEST MILFORD TOWN HALL	12/1/2003	COLIFORM		RTC 3/04	Monthly Violation
1615356	STORMS ISLAND ASSOCIATION	7/1/2003	COLIFORM		RTC 10/03	Monthly Violation
1615367	MCKEAGE'S TAVERN	4/1/2003	COLIFORM		RTC 6/03	Monthly Violation
1615368	PIZZA STATION	1/1/2003	COLIFORM		RTC 4/03	Monthly Violation
1615372	HOT DIGGITY'S INC.	8/1/2003	COLIFORM		RTC 9/03	Monthly Violation
1615386	STRENGTH IN OUR SISTERS	3/1/2003	COLIFORM		RTC 5/03	Monthly Violation
1615400	LAKEVIEW PUB & LIQUORS	7/1/2003	COLIFORM		RTC 8/03	Monthly Violation
1615419	MONTCLAIR YMCA DAY CAMP-LOWER	4/1/2003	COLIFORM		RTC 7/03	Monthly Violation
1615419	MONTCLAIR YMCA DAY CAMP-LOWER	4/1/2003	COLIFORM		RTC 7/03	Acute MCL Violation
1615435	ALL AMERICAN DAY CARE	1/1/2003	COLIFORM		RTC 2/03	Monthly Violation
1615435	ALL AMERICAN DAY CARE	1/1/2003	COLIFORM		RTC 2/03	Acute MCL Violation
1701304	CAMP THEODORE ROOSEVELT (CHERO	1/1/2003	COLIFORM		RTC 5/03	Monthly Violation
1801307	FIDDLERS ELBOW GOLF COURSE	4/1/2003	COLIFORM		RTC 7/03	Monthly Violation

PWSID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comment
1801307	FIDDLERS ELBOW GOLF COURSE	4/1/2003	COLIFORM		RTC 7/03	Acute MCL Violation
1802311	EXXON USA 3-6110	7/1/2003	COLIFORM		RTC 2/04	Monthly Violation
1803304	SOMERSET HILLS COUNTRY CLUB	7/1/2003	COLIFORM	R	RTC 3/04	Monthly Violation- Flood/Twister accident destroyed plant
1803304	SOMERSET HILLS COUNTRY CLUB	10/1/2003	COLIFORM	R	RTC 3/04	Monthly Violation-Rebuilding in progress
1808318	HIGH ROAD UPPER SCHOOL	7/1/2003	COLIFORM		RTC 11/03	Monthly Violation
1808318	HIGH ROAD UPPER SCHOOL	10/1/2003	COLIFORM		RTC 11/03	Monthly Violation
1902337	THE OUTDOOR CTR AT STICKLES	7/1/2003	COLIFORM			Monthly Violation - NOV 2/04
1902356	KITTATINNY VALLEY STATE PARK	7/1/2003	COLIFORM		RTC 10/03	Monthly Violation
1904335	STAFFORD M&M/AERO-RUSBY	5/1/2003	COLIFORM		RTC 8/03	Monthly Violation
1904335	STAFFORD M&M/AERO-RUSBY	6/1/2003	COLIFORM		RTC 8/03	Monthly Violation
1904353	LYNNE'S NISSAN WEST INC	4/1/2003	COLIFORM		RTC 7/03	Monthly Violation
1904454	CRANBERRY MARKET & DELI	4/1/2003	COLIFORM		RTC 7/03	Monthly Violation
1905345	THE CHATTERBOX DRIVE IN	7/1/2003	COLIFORM		RTC 12/03	Monthly Violation
1906301	WOK N' SUSHI	4/1/2003	COLIFORM		RTC 8/03	Monthly Violation
1906301	WOK N' SUSHI	7/1/2003	COLIFORM		RTC 8/03	Monthly Violation
1906301	WOK N' SUSHI	7/1/2003	COLIFORM		RTC 8/03	Monthly Violation
1906312	NJ STATE PARKS SERVICE-NORTHER	4/1/2003	COLIFORM		RTC 7/03	Monthly Violation
1910338	SACRED HEART RETREAT CENTER	7/1/2003	COLIFORM		RTC 8/03	Monthly Violation
1910338	SACRED HEART RETREAT CENTER	7/1/2003	COLIFORM		RTC 8/03	Acute MCL Violation
1911312	DR.DONALD SUGAR	2/1/2003	COLIFORM		RTC 3/03	Monthly Violation
1911332	UNITED SILICO PRODUCTS	7/1/2003	COLIFORM		RTC 9/03	Monthly Violation
1911332	UNITED SILICO PRODUCTS	8/1/2003	COLIFORM		RTC 9/03	Monthly Violation
1912320	THE GROTO	10/1/2003	COLIFORM		RTC 4/04	Monthly Violation
1917320	GYP'S TAVERN	7/1/2003	COLIFORM	E	RTC 9/03	Monthly Violation
1917320	GYP'S TAVERN	10/1/2003	COLIFORM	E	RTC 12/03	Monthly Violation
1918314	SPARTA BUSINESS CAMPUS-2	7/1/2003	COLIFORM		RTC 9/03	Monthly Violation
1918314	SPARTA BUSINESS CAMPUS-2	8/1/2003	COLIFORM		RTC 9/03	Monthly Violation
1918317	POPE JOHN XXIII HS-SCHOO	7/1/2003	COLIFORM		RTC 8/03	Monthly Violation
1918319	SPARTA PLAZA	4/1/2003	COLIFORM		RTC 7/03	Monthly Violation
1918330	HOMESTEAD RESTAURANT	4/1/2003	COLIFORM		RTC 7/03	Monthly Violation
1918330	HOMESTEAD RESTAURANT	4/1/2003	COLIFORM		RTC 7/03	Acute MCL Violation
1920305	CAMP ALDRSGATE-LAKE ARE	7/1/2003	COLIFORM		RTC 4/04	Monthly Violation - NOV 5/04
1920332	SWARTSWOOD STATE PARK	7/1/2003	COLIFORM		RTC 11/03	Monthly Violation

PWSID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comment
1922302	TALL TIMBERS	7/1/2003	COLIFORM	E	RTC 8/03	Monthly Violation
1922336	THE COUNTRY DELI	10/1/2003	COLIFORM		RTC 2/04	Monthly Violation
1922339	F.A.L.I.N.E. PROFESSIONA	7/1/2003	COLIFORM		RTC 9/03	Monthly Violation
1922368	SOMEPLACE SPECIAL	7/1/2003	COLIFORM		RTC 1/04	Monthly Violation
1922368	SOMEPLACE SPECIAL	10/1/2003	COLIFORM		RTC 1/04	Monthly Violation
1922384	TALL TIMBERS CAMP GROUND WELL3	7/1/2003	COLIFORM	E	RTC 8/03	Monthly Violation
1922389	TALL TIMBERS CAMPGROUND	4/1/2003	COLIFORM	E		Monthly Violation
1923300	JIM HEIGIS D/B/A WALPACK INN	7/1/2003	COLIFORM		RTC 8/03	Monthly Violation
1923300	JIM HEIGIS D/B/A WALPACK INN	9/1/2003	COLIFORM		RTC 10/03	Monthly Violation
1924301	HIGH POINT MOTOR LODGE	10/1/2003	COLIFORM		RTC 1/04	Monthly Violation
1924301	HIGH POINT MOTOR LODGE	11/1/2003	COLIFORM		RTC 1/04	Monthly Violation
1924301	HIGH POINT MOTOR LODGE	12/1/2003	COLIFORM		RTC 1/04	Monthly Violation
1924335	D.J.DOOGLES RESTAURANT	7/1/2003	COLIFORM		RTC 9/03	Monthly Violation
1924349	KINGDOM HALL OF JEHOVAH WITNES	7/1/2003	COLIFORM		RTC 10/03	Monthly Violation
2019304	IDEAL DAIRY FARMS	7/1/2003	COLIFORM		RTC 5/04	Monthly Violation - Currently Inactive- connected to E'Town Water Co.
2019308	TEMPLE B'NAI ABRAHAM PRK	7/1/2003	COLIFORM		RTC	Monthly Violation - 2004 Samples Comply
2104300	FIRST ENERGY VISITORS CENTER	1/1/2003	COLIFORM		RTC 6/03	Monthly Violation
2104311	FOUNTAIN MALL	4/1/2003	COLIFORM		RTC 8/03	Acute MCL Violation
2104311	FOUNTAIN MALL	4/1/2003	COLIFORM		RTC 8/03	Monthly Violation
2104318	CAMP SIDDHACHALAM	7/1/2003	COLIFORM		RTC 5/04	Monthly Violation
2104318	CAMP SIDDHACHALAM	10/1/2003	COLIFORM		RTC 5/04	Acute MCL Violation-Enforcement & Fines
2104318	CAMP SIDDHACHALAM	10/1/2003	COLIFORM		RTC 5/04	Monthly Violation
2104321	VAIL PRE-SCHOOL	7/1/2003	COLIFORM	N	RTC 10/03	Monthly Violation
2109300	LITTLE HILL FOUNDATION, INC.	1/1/2003	COLIFORM	N	RTC 5/03	Monthly Violation
2109300	LITTLE HILL FOUNDATION, INC.	4/1/2003	COLIFORM	N	RTC 5/03	Monthly Violation
2111309	NJ STATE POLICE BARRACKS	8/1/2003	COLIFORM	N	RTC 11/03	Monthly Violation
2111309	NJ STATE POLICE BARRACKS	9/1/2003	COLIFORM	N	RTC 11/03	Monthly Violation
2113322	TRAVEL CENTERS OF AMERICA	7/1/2003	COLIFORM	I	RTC 10/03	Monthly Violation
2113322	TRAVEL CENTERS OF AMERICA	9/1/2003	COLIFORM	I	RTC 10/03	Monthly Violation
2116324	SUNMART GROC. STORE & DE	10/1/2003	COLIFORM	N	RTC 1/04	Monthly Violation
2122324	COUNTRY CHARM TRAILER PARK	10/1/2003	COLIFORM	N	RTC 11/03	Monthly Violation
2122324	COUNTRY CHARM TRAILER PARK	10/1/2003	COLIFORM	N	RTC 11/03	Acute MCL Violation

KEY TO APPENDIX D: *Treatment Status: N = Not required, R = Required, not installed, I = Installed, U = Under construction; ** Compliance Status: PN = Public notice, RTC = Return to Compliance

Appendix E: Noncommunity Water System 2003 Action Level Violations New Jersey Department of Environmental Protection

PWSID #	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comment
0108350	SOUTH JERSEY GAS CO	12/31/2003	COPPER	I	RTC 11/04	
0108350	SOUTH JERSEY GAS CO	12/31/2003	LEAD	I	RTC 11/04	
0109302	ESTELL MANOR SCHOOL	12/31/2003	COPPER	I	RTC 9/04	
0109302	ESTELL MANOR SCHOOL	12/31/2003	LEAD	I	RTC 9/04	
0109304	MANOR WOODS	12/31/2003	COPPER	I	RTC 8/04	
0110307	SOUTH JERSEY GAS CO	12/31/2003	COPPER		RTC 10/04	
0110309	KERR CONCRETE PIPE CO	6/30/2003	COPPER			
0111310	THE RAMS HEAD INN	12/31/2003	COPPER	N	PN 1/05	Violation letter sent 1/05
0111393	POMONA PLAZA	12/31/2003	COPPER	I		Need '05 data to RTC
0111424	ABSECON MILLS, INC.	6/30/2003	COPPER	I	RTC 4/04	
0113357	KESSLER PROFESSIONAL COMPLEX	12/31/2003	COPPER	I	PN 1/05	Violation letter sent 1/05
0117320	ROANWELL CORP	6/30/2003	COPPER	I		INACTIVE
0117323	OCEAN YACHTS	12/31/2003	COPPER	I		Need '05 data to RTC
0120307	PT. REPUBLIC ELEMENTARY SCHOOL	12/31/2003	LEAD	I	RTC 9/04	
0123300	WEYMOUTH ELEM SCHOOL	12/31/2003	LEAD	I	RTC 9/04	
0605303	FAIRFIELD TWP INTER SCHOOL (FR	6/30/2003	COPPER			
0605303	FAIRFIELD TWP INTER SCHOOL (FR	6/30/2003	LEAD			
0605309	FAIRFIELD TWP PRIMARY SCHOOL	6/30/2003	COPPER			
0605309	FAIRFIELD TWP PRIMARY SCHOOL	12/31/2003	COPPER			
0605309	FAIRFIELD TWP PRIMARY SCHO	12/31/2003	LEAD			
0607302	HOPEWELL CREST SCHOOL	6/30/2003	COPPER			

PWSID #	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comment
0607311	DEVEROUX FOUNDATION	6/30/2003	COPPER			
0607311	DEVEROUX FOUNDATION	12/31/2003	COPPER			
0609300	MAUR RIV TWP BD OF ED PO	12/31/2003	COPPER			
0611300	SHILOH ELEMENTARY SCHOOL	12/31/2003	COPPER			
0612300	STOW CREEK ELEM. SCHOOL	6/30/2003	COPPER			
0612300	STOW CREEK ELEM. SCHOOL	12/31/2003	COPPER			
0613307	SEABROOK HOUSE	12/31/2003	COPPER			
0614344	SENIOR CARE OF VINELAND	6/30/2003	COPPER			
0818429	TOYOTA OF TURNERSVILLE	6/30/2003	COPPER			
0818469	JOSEPH FAZZIO, INC.	6/30/2003	LEAD			
1006363	HIS LOVING ARMS	12/31/2003	COPPER	I	RTC 6/04	NOV 7/04
1006365	CLINTON HONDA	6/30/2003	COPPER		RTC 6/04	
1006365	CLINTON HONDA	6/30/2003	LEAD	I	RTC 6/04	
1019301	HUNTERDON HILLS RESIDENTIAL HOM	6/30/2003	COPPER			
1019301	HUNTERDON HILLS RESIDENTIAL HOME	6/30/2003	LEAD	I	RTC 6/04	
1019315	VALLEY VIEW SCHOOL	6/30/2003	LEAD		RTC 6/04	
1021332	HUNTERDON CO COMPLEX	12/31/2003	COPPER		RTC	11/04 Connected to E'Town Water
1021332	HUNTERDON CO COMPLEX	12/31/2003	LEAD		RTC	
1021363	HUNTERDON CARE CENTER	6/30/2003	LEAD			
1022341	WALMART	6/30/2003	LEAD			
1022370	MINALEX CORP	12/31/2003	LEAD			
1101303	PRINCETON WINDSOR OFFICE	6/30/2003	COPPER			
1101303	PRINCETON WINDSOR OFFICE	6/30/2003	LEAD			
1106338	PENNINGTON HAPPY SCHOOL	12/31/2003	LEAD			
1106377	PENNINGTON OFFICE PARK-B	6/30/2003	LEAD			
1202302	KEYSTONE PROPERTIES	6/30/2003	COPPER	I	RTC 6/04	
1202302	KEYSTONE PROPERTIES	6/30/2003	LEAD	I	RTC 6/04	
1258306	MARRON RIVERSIDE COMMONS	12/31/2003	LEAD		RTC 12/04	
1306308	FORTRESS GSA	12/31/2003	COPPER			
1316330	S B KING & SONS INC	6/30/2003	LEAD			
1319473	JERSEY CENTRAL POWER &	6/30/2003	LEAD		RTC 6/04	

PWSID #	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comment
	LIGHT					
1324300	NJ TURNPIKE/ 4N SERVICE AREA	6/30/2003	LEAD			
1326346	MILLHURST MILLS INC, WEL	6/30/2003	COPPER		RTC 6/04	
1336321	GREEN BANK ELEMENTARY SC	12/31/2003	COPPER			
1338300	INDUCTOTHERM CORP	12/31/2003	LEAD			
1402307	MSM/SHAMROCK T.I.C. WELL # 2	12/31/2003	LEAD			
1407303	BLACK RIVER MIDDLE SCHOO	12/31/2003	COPPER	I		Cu below AL 2 nd Qtr '04
1414308	CONSOLIDATED SCHOOL	6/30/2003	LEAD		PN	
1414403	MILTON ELEMENTARY	6/30/2003	LEAD	U		Temp Approval of Cor. Inhibitor
1415304	STONEBROOK SCHOOL	6/30/2003	COPPER			System Currently Inactive 8/03
1415304	STONEBROOK SCHOOL	6/30/2003	LEAD			System Currently Inactive 8/03
1415305	OUR LADY OF THE MAGNIFIC	12/31/2003	COPPER	U		Soda Ash/Poly Phosphate
1421351	RESOLUTION PACKAGING	6/30/2003	LEAD		PN 6/03	
1427302	SANDSHORE SCHOOL	12/31/2003	COPPER		PN 10/04	
1427307	TINC ROAD SCHOOL	12/31/2003	COPPER	I		Caustic Soda
1427310	LAKEVIEW PLAZA	6/30/2003	LEAD	I (NS)		NOV 6/03
1427362	MT. OLIVE HIGH SCHOOL	6/30/2003	COPPER	I	PN 1/05 Soda Ash-pH adjustment	
1427362	MT. OLIVE HIGH SCHOOL	12/31/2003	COPPER	I	PN 1/05 Soda Ash-pH adjustment	
1432336	SCHINDLER ELEVATOR	12/31/2003	COPPER	U	Soda Ash	
1432350	WDIFTK, INC.	6/30/2003	COPPER	I	pH Adjustment	
1435325	SUN RISE SUNSET NURSERY SCHOOL	6/30/2003	LEAD	I	PN 1/04	
1435325	SUN RISE SUNSET NURSERY SCHOOL	12/31/2003	LEAD	I	PN 1/04	
1435327	INTERPROD, INC.	6/30/2003	COPPER	R	PN Req	On bottled water due to VOC
1435327	INTERPROD, INC.	12/31/2003	COPPER	R	PN Req	On bottled water due to VOC
1435375	WATERFORD ELEMENTARY	6/30/2003	COPPER	I		

PWSID #	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comment
1435375	WATERFORD ELEMENTARY	12/31/2003	COPPER	I		
1435375	WATERFORD ELEMENTARY	6/30/2003	LEAD	I		
1436326	MACDONALDS RESTAURANT	6/30/2003	COPPER	I	Acid Neutralizer 2/04	
1436329	SAMSUNG INT INC	12/31/2003	COPPER		RTC	Pb/Cu below AL 2004
1436329	SAMSUNG INT INC	12/31/2003	LEAD		RTC	Pb/Cu below AL 2004
1436363	PRC CORPORATION #1	12/31/2003	LEAD	I	No Pb exceedance 2 nd half of '04	Soda Ash
1436363	PRC CORPORATION #1	6/30/2003	COPPER			
1436364	PRC CORPORATION	6/30/2003	COPPER			No AL Exceedance Letter
1436456	GARVEY CONVEYERS	12/31/2003	COPPER	R		Need Corrosion Control Study
1436458	FLORENCE ROAD HEADSTART	12/31/2003	COPPER	R		Need Corrosion Control Study
1436486	SAR INDUSTRIAL FINISHES	6/30/2003	COPPER	N	RTC	
1436489	BERSHIRE IVY GARDENS	6/30/2003	COPPER	U		
1436489	BERSHIRE IVY GARDENS	6/30/2003	LEAD	U		
1506315	HOLY REDEEMER VISITING N	12/31/2003	LEAD	R		Referred to HD
1507322	ACE PLAZA	6/30/2003	COPPER			
1508304	EAGLESWOOD ELEMENTARY	12/31/2003	COPPER			
1511325	TOMORROWS WORLD NURSERY	12/31/2003	LEAD	R		Referred to HD
1511348	CEDAR SQUARE LIMITED	12/31/2003	LEAD	I		Referred to HD
1512388	AMERGEN ENERGY-OYSTER CREEK	12/31/2003	LEAD			
1518313	READE MFG CO-BLDG 11 & 2	6/30/2003	COPPER			
1518345	MANCHESTER MANOR NURSING	6/30/2003	COPPER			
1605301	FAIRFIELD TWP INTER (BACK WELL	6/30/2003	COPPER	I	RTC	
1605301	FAIRFIELD TWP INTER (BACK WELL	12/31/2003	COPPER	I	RTC	
1605301	FAIRFIELD TWP INTER (BACK	6/30/2003	LEAD			
1615323	OUR LADY QUEEN OF PEACE/	6/30/2003	LEAD		PN Req 8/03	
1615339	HILLCREST COMMUNITY CTR.	12/31/2003	LEAD		PN Req 11/03	
1615353	ESCO PRODUCTS	12/31/2003	COPPER			Currently System Inactive
1703306	ELSINBORO SCHOOL	6/30/2003	COPPER	I	RTC	

PWSID #	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comment
1706300	JOHN FENWICK REST STOP	12/31/2003	COPPER	R		Need Corrosion Control Study
1709311	BETHANY CHRISTIAN ACADEMY	6/30/2003	LEAD	N	RTC	
1711303	FAITH FARM INC	6/30/2003	COPPER	N	RTC	
1711303	FAITH FARM INC	12/31/2003	COPPER	N	RTC	
1711303	FAITH FARM INC	6/30/2003	LEAD	N	RTC	
1711303	FAITH FARM INC	12/31/2003	LEAD	N	RTC	
1808341	PILLAR OF FIRE-ALMA WHIT	6/30/2003	COPPER			
1808353	BUNKER HILL GOLF COURSE	6/30/2003	LEAD			
1815303	THE MATHENY SCHOOL-LOWER	6/30/2003	LEAD			
1918345	SUSSEX TECHNOLOGY	12/31/2003	LEAD	I	PN	2/04 NOV Offer of Settlement
1924316	HIGH POINT REG HIGH SCHO	6/30/2003	LEAD		PN	2/04 NOV
2119302	FLOWSERVE	12/31/2003	LEAD	I	RTC 12/04	
2123308	WARREN RESIDENTIAL GROUP	12/31/2003	COPPER	U		
2123308	WARREN RESIDENTIAL GROUP	6/30/2003	LEAD	U		
2123308	WARREN RESIDENTIAL GROUP	12/31/2003	LEAD	U		

KEY TO APPENDIX E:

*Treatment Status: N = Not required, R = Required but not installed, I = Installed, U = Under construction

** Compliance Status: PN = Public notice, RTC = Return to Compliance

Appendix F
MCL Violations Related to Additional Monitoring in New Jersey
New Jersey Department of Environmental Protection

Transient Noncommunity Water Systems with Volatile Organic MCL Violations

PWSID	System Name	Violation Date	Contaminant Name	Treatment	Compliance Status	Comments
0212301	CANDLEWYCK DINER	1/1/2003	TETRACHLOROETHYLENE		RTC 1/04	
0263304	UPPER SADDLE RIVER ASSOC.	1/1/2003	TRICHLOROETHYLENE		RTC 3/04	
1911310	ST.VIANNEY RC CHURCH	1/1/2003	1,1 - DICHLOROETHYLENE			

Appendix G
2003 Significant Consumer Confidence Notification Violations
New Jersey Department of Environmental Protection

PWSID	SYSTEM NAME	COMPLIANCE STATUS	COMMENTS
1922015	WALNUT HILL WATER COMPANY		Administrative Order w/o penalty. Has been taken over by United Water on December 12, 2003.