

SAFE DRINKING WATER ACT VIOLATIONS 1999



NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
WATER SUPPLY ADMINISTRATION
BUREAU OF SAFE DRINKING WATER

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DECEMBER 2000

Introduction

This is New Jersey's fourth annual report prepared to fulfill one of the statutory requirements of the 1996 Amendments to the Safe Drinking Water Act. 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 the period January 1, 1996 through December 31, 1996 and was submitted to the U.S. Environmental Protection Agency (USEPA) in January 1998; the second report was submitted on July 1, 1998 and covers the period January 1, 1997 through December 31, 1997. The third report covers the period of January 1, 1998 through December 31, 1998. This fourth report covers the period of January 1, 1999 through December 31, 1999. This full report will be made 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 is for violations of (I) maximum contaminant levels, (II) treatment requirements, (III) variances and exemptions, and (IV) monitoring requirements determined to be significant by the Administrator (of 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 is presented in Appendix A.

In New Jersey, copies of this full report for the period January 1, 1999 through December 31, 1999 will be sent to the state library for distribution through its system, and to the county and local health officers. In addition, this report may be viewed on the internet at www.state.nj.us/dep/watersupply/violations99.doc.

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 1986 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 and 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 Bureau of Safe Drinking Water of 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 will provide 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), or transient noncommunity systems (such as rest stops or parks). For this report when the acronym "PWS" is used, it means systems of all types unless specified in greater detail.

At the end of 1999, New Jersey listed 4,423 public water systems in its inventory. These included 616 community, 968 nontransient noncommunity and 2,839 transient noncommunity water systems. The numbers of systems constantly changes due to

mergers, opening and closing of businesses, hookups with community water systems or a change in use that results in fewer than 25 people being served.

Maximum Contaminant Level

Under the Safe Drinking Water Act, USEPA sets national limits on contaminant levels in drinking water to ensure that the water is safe for human consumption. These limits are known as Maximum Contaminant Levels (MCLs). The regulated contaminants and their respective federal MCLs are listed in Table 1.

New Jersey laws outline specific procedures for setting drinking water standards in the State based on risk-based goals. New Jersey drinking water standards are required to be equal to or more stringent than federal standards. As a result of applying this New Jersey approach to drinking water contaminants, there are twelve regulated volatile organic compounds and one regulated synthetic organic compound listed in Table 2 with New Jersey MCLs that are more stringent than the federal MCLs. In addition, there are five volatile organic compounds regulated as primary contaminants by New Jersey that are not federally regulated. These contaminants are listed in Table 3. The remaining nine USEPA regulated volatile organic compounds share the same MCL, federal or state.

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.

Variances and Exemptions

Variances 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.

The Bureau of Safe Drinking Water has never issued any variances or exemptions.

Monitoring

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

Significant Monitoring Violations

For this report, significant monitoring violations are defined as any major monitoring violation that has occurred during the specified report interval. A major monitoring violation (except for the Surface Water Treatment Rule) occurs when no samples were taken or no results are reported during a compliance period. A major Surface Water Treatment Rule monitoring and reporting (M/R) violation occurs when fewer than 10% of the required samples are taken or no results are reported during a reporting interval. A minor violation occurs when some but not all of the required numbers of samples are taken.

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 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 total trihalomethanes (disinfection by-products).

Conclusions

A summary of drinking water MCL violations, treatment technique violations and significant monitoring/reporting (M/R) violations for New Jersey in 1999 is presented in Table 1. Individual water system MCL violation data for community and noncommunity water systems are presented 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 are presented in Appendix E.

The greatest difference between 1998 and 1999 is the increase in the number of violations of the Total Coliform Rule and the Surface Water Treatment Rule. There was a dramatic increase in the number of acute coliform MCL violations (25 in 1998 and 44 in 1999) and in the number of non-acute, or monthly, coliform MCL violations (113 in 1998 and 181 in 1999). This increase in total coliform MCL violations is most likely a result of the flooding caused by Hurricane Floyd in mid-September and is discussed in further detail below. The increase in the number of Surface Water Treatment Rule violations is important to note because of the number of people affected by these violations.

There also continues to be a relatively high number of gross alpha MCL violations, which was expected. In 1998, New Jersey began a proactive compliance monitoring program for community water systems using the rapid analysis method in which the analyses are performed within 48 hours of sample collection to determine concentrations of radium 224, which has a half-life of 3.7 days. The five systems that exceeded the gross alpha MCL were among those first sampled in 1999 using the rapid analysis method. There were no repeat violations from 1998.

Finally, although the number of violations of the Lead and Copper Rule remains relatively unchanged from 1998 to 1999, the total number of violations is large. A significant number of community water systems with lead and copper action level violations are small systems, and NJDEP believes the large number of violations reflects the difficulties of complying with the Lead and Copper Rule. A number of the larger systems with lead and copper action level violations are part of the regional system that is under an Administrative Consent Order requiring corrosion control treatment by September 2001.

Following is a summary of 1999 violation data based on each contaminant group.

Microbiological

Total Coliform Rule:

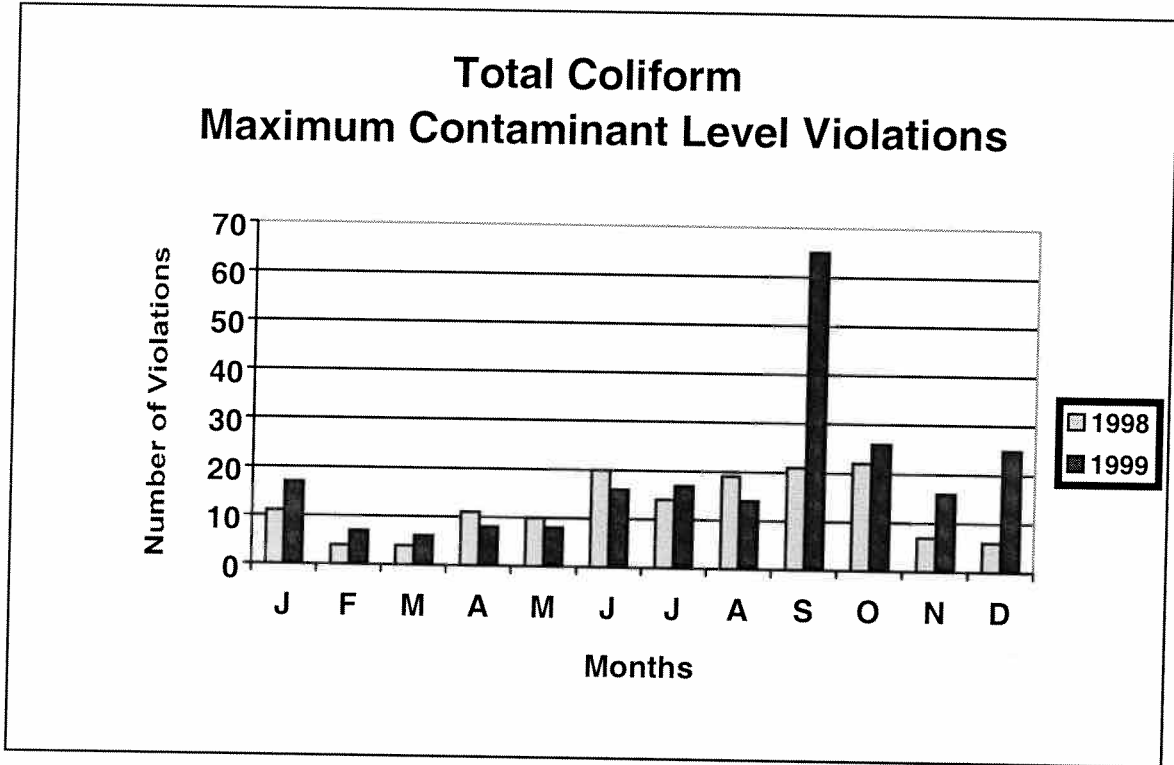
Although there was a significant increase in the number of total coliform violations, microbiological quality as measured by the total coliform test continues to yield good results for the monitoring performed in 1999. In all, 3.2% (143 out of 4,423) public water systems (PWS) had a total coliform MCL violation in 1999. As noted below, there were 25 acute MCL violations at 25 systems in 1998; in 1999 there were 44 acute MCL violations at 41 systems. There were 113 non-acute MCL violations at 105 systems in 1998; in 1999 there were 181 non-acute MCL violations at 141 systems.

Year	Number of Violations			Number of Systems with Violations		
	Acute	Monthly	Total	Acute	Monthly	Total
1998	25	113	138	25	105	106
1999	44	181	225	41	141	143

Of 20,461 total coliform test result summary reports sent to NJDEP, which summarize the results of between one and several hundred microbiological samples taken from each public water system either monthly or quarterly, there were only 225 (1.1 %) MCL violations. Therefore, 98.9 % of the time that public water systems sampled, the results were within standards.

NJDEP believes that most of the increase in total coliform MCL violations is due to Hurricane Floyd, which arrived in New Jersey on September 16, 1999. Hurricane Floyd dropped up to 13 inches of rain in portions of the state and caused rivers and other inland waterways to overflow their banks, flooding streets, homes and businesses. In 1998, there were 93 total coliform MCL violations (acute plus monthly MCL violations) that occurred during the months of January through August, and in 1999 there was also exactly 93 total coliform MCL violations (acute plus monthly) that occurred during the months of January through August. However, during the period of September through December 1998, there were 56 total coliform MCL violations (acute plus monthly) while in 1999 there were 132 total coliform MCL violation (acute plus monthly). NJDEP believes that the reason there was such an increase in MCL violations for October, November and December is because many noncommunity systems only sample quarterly, and these represent the first samples taken after the hurricane.

The following figure shows the breakdown by month of violations of the sum of all acute and non-acute MCL violations, for both community and noncommunity water systems, for 1998 and 1999.



Monitoring compliance for microbial parameters improved this year, continuing the trend of the past few years. Out of 4,423 PWS, 859 PWS (19%) missed sampling at least once during 1999, and 1,468 (7.2%) out of 20,461 total coliform test result summary reports were missed. This shows an improvement in the number of monitoring violations compared to previous years. The improvement continues to come from both the continued consolidation of small community systems and increased contact with noncommunity systems. In addition, NJDEP's Water Compliance and Enforcement Element initiated changes in NJDEP's enforcement strategy for noncommunity water systems in 1999. Changes include transferring responsibility for the inspection of all State and federal noncommunity water systems from County agencies to NJDEP's Water Compliance and Enforcement, and requiring County agencies to pursue penalties for all violations after July 1, 1999 that cause a system to be, or continue to be, in "Significant Noncompliance."

Surface Water Treatment Rule:

Hurricane Floyd was the direct cause of three Surface Water Treatment Rule violations in September 1999. These violations resulted in boil water advisories

being issued that affected over a million people for approximately one week. Two additional Surface Water Treatment Rule violations occurred in 1999. The surface water source of drinking water for one of the systems that had a violation in January 1999 has since been abandoned. The only unfiltered surface water treatment plant in the state accounts for the remaining five (of nine) treatment technique violations for 1999. The community water system that uses this plant signed a consent agreement to build a new treatment plant which is scheduled to be constructed by December 31, 2003.

Organic Chemicals

Volatile Organic Chemicals (VOC) Rule:

Compliance with New Jersey's stringent MCLs for VOCs has improved since 1998. Of the 316 community water systems and 413 nontransient noncommunity water systems that monitored for VOCs in 1999, only 13 systems were issued MCL violations for volatile organic compounds. Of the 13 systems receiving MCL violations, only one was a community water systems and 12 were nontransient noncommunity water systems.

There was an increase in VOC monitoring violations in 1999. The actual number of monitoring violations looks large [13,676 monitoring and reporting (M/R) violations at 208 PWS] because each missed sample gets counted as 26 separate monitoring and reporting (M/R) violations for each of the 26 analytes measured in the method and some systems have many entry points (treatment plants) that need to be monitored. 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 1999 were issued monitoring violations. For this 1999 report, the number of violations also includes those systems that did not perform sampling in the correct year of the three year compliance period (1999-2001).

Synthetic Organic Chemicals (SOCs) Rule:

This group of chemicals, mostly pesticides, benefits from the extensive studies and the monitoring and waiver program that has been developed. In 1999, NJDEP developed the plan to collect 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. Data collection began in 2000. These data will be used to issue SOC waivers for 1999-2001.

Total Trihalomethanes:

One public water system had an MCL violation for total trihalomethanes in 1999. This is an increase from 1998 (no total trihalomethanes MCL violations) but comparable to 1997 when there was one total trihalomethanes MCL violation.

Monitoring compliance for total trihalomethanes remains very high; there are only seven monitoring and reporting (M/R) violations for trihalomethanes in 1998. In New Jersey, there are 117 systems that are required to sample for trihalomethanes. These systems serve either groundwater or surface water to more than 10,000 residents or are smaller water systems serving surface water.

Inorganic Chemicals (IOCs)

IOC Rule:

There were five MCL violations at five public water systems for inorganic chemicals in 1999, excluding nitrate. Specifically, there were three MCL violations for mercury, one for antimony and one for thallium. This is an increase from 1998 when there were no MCL violations for inorganic chemicals besides nitrate.

Nitrate MCL violations have increased since 1993 when the frequency of monitoring changed from once every three years to annually, and 1999 followed the trend. Nitrate MCL violations are much more likely to occur in noncommunity water systems than community water systems. As in 1997 and 1998, no community water system had a nitrate MCL violation in 1999.

In general, the counties with the greatest number of nitrate MCL violations are the agricultural counties in the southern part of the State. There were 26 noncommunity water systems with nitrate MCL violations in 1999, a substantial increase over 17 systems with nitrate violations in 1998 and 19 systems with nitrate MCL violations in 1997. It should be noted that eighteen of the twenty-six noncommunity water systems with nitrate MCL violations are transient systems. The rule allows these transient systems to have nitrate up to 20 mg/l with public notice if there is no exposure to infants and pregnant women.

During the last few years, the monitoring of noncommunity water systems for nitrate has improved and this trend continued in 1999. In 1998, 596 PWS had 696 monitoring violations, while in 1999 only 540 PWS had monitoring violations. There were a total of 642 monitoring violations at the 540 PWS in 1999. The Bureau of Safe Drinking Water will continue these improvements through additional contact with county and local health agencies and the water systems.

Asbestos monitoring was not required in 1999. Results in the prior compliance monitoring period (1996-1998) were excellent with no MCL violations and few monitoring and reporting (M/R) violations.

Lead and Copper Rule:

All large systems have completed their initial monitoring and treatment optimization studies. There continues to be only one large system which has not yet completed installation of the recommended corrosion control treatment. This system bulk sells water to several communities, two of which are considered large systems (consecutive systems).

In 1999 there was a slight increase in the number of lead and copper action level violations compared to 1998. In 1999 there were 32 community water systems with 36 lead or copper action level violations, while in 1998 there were 28 community water systems with 32 lead or copper action level violations. In 1999 there were 96 nontransient noncommunity water systems with 128 lead or copper action level violations, while in 1998 there were 83 nontransient noncommunity water systems with 120 lead or copper action level violations.

Radiological Rule:

During 1999, five community water systems were in violation of the gross alpha standard. Of these five community water systems, one was also in violation of the radium 226/228 standard. Noncommunity water systems are not currently required to sample for gross alpha or radium 226/228. The number of community water systems in violation of the gross alpha standard and the radium 226/228 standard is appreciably smaller than in 1998, but both the 1998 and 1999 results are significantly higher than in 1997. The difference between the 1997 results and both the 1998 and 1999 results is attributed to NJDEP's aggressive investigation of naturally occurring radioactivity in ground water that was first uncovered by NJDEP testing. NJDEP discovered elevated levels of naturally occurring radiological contamination using a new, quicker testing protocol developed by NJDEP to detect the presence of radium 224, which has a half-life of 3.7 days and decays too rapidly to be detected using the conventional holding time. The accelerated testing protocol requires analyzing drinking water sample within 48 hours instead of up to a year after collection. Initial testing of community water systems is now complete and NJDEP expects the number of gross alpha MCL violations to decrease in the year 2000.

Summary:

The most significant public health issue reported in these pages is the increase in the number of total coliform MCL violations, which resulted primarily from the effects of Hurricane Floyd. The hurricane also caused violations of the Surface Water Treatment Rule such that over a million people were placed on a boil water advisory. Overall, the Bureau of Safe Drinking Water continues to make progress in addressing MCL, treatment technique and monitoring violations. Table 4 shows the total number of violations, by

contaminant type, for 1999. There are several areas that still need improvement, with monitoring and reporting (M/R) for small water systems requiring the greatest improvement. The Bureau of Safe Drinking Water has formulated a capacity development strategy to assist public water systems with a history of significant non-compliance to achieve compliance.

Table 1
Violations Table
(with SDWIS Codes)

State:	New Jersey
Reporting Interval:	January 1, 1999 - December 31, 1999

SDWIS Codes		MCL (mg/l) ⁱ	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
			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	0			526	208
2977	1,1-Dichloroethylene	0.007*	3	3			526	208
2985	1,1,2-Trichloroethane	.005*	0	0			526	208
2378	1,2,4-Trichlorobenzene	.07*	0	0			526	208
2931	1,2-Dibromo-3-chloropropane (DBCP)	0.0002	0	0			0	0
2980	1,2-Dichloroethane	0.005*	0	0			526	208
2983	1,2-Dichloropropane	0.005	0	0			526	208

State:	New Jersey
Reporting Interval:	January 1, 1999 - December 31, 1999

SDWIS Codes		MCL (mg/l) ⁱ	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
			Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
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		
2051	Alachlor	0.002	0	0			0	0
2050	Atrazine	0.003	0	0			0	0
2990	Benzene	0.005*	1	1			526	208
2306	Benzo[a]pyrene	0.0002	Statewide waiver	Statewide waiver			Statewide waiver	Statewide Waiver
2046	Carbofuran	0.04	0	0			0	0
2982	Carbon tetrachloride	0.005*	1	1			526	208
2959	Chlordane	0.002*	Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver

State:	New Jersey
Reporting Interval:	January 1, 1999 - December 31, 1999

SDWIS Codes		MCL (mg/l) ⁱ	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
			Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
2380	cis-1,2-Dichloroethylene	0.07	0	0			526	208
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	0.005*	1	1			526	208
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

State:	New Jersey
Reporting Interval:	January 1, 1999 - December 31, 1999

SDWIS Codes		MCL (mg/l) ⁱ	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
			Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
2257	Epichlorohydrin				0	0		
2992	Ethylbenzene	0.7	0	0			526	208
2946	Ethylene dibromide	0.00005	0	0			0	0
2034	Glyphosate	0.7	Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2065	Heptachlor	0.0004	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
2010	Lindane	0.0002	Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver

State:	New Jersey
Reporting Interval:	January 1, 1999 - December 31, 1999

SDWIS Codes		MCL (mg/l) ⁱ	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
			Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
2015	Methoxychlor	0.04	Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2989	Monochlorobenzene	0.1	0	0			526	208
2968	o-Dichlorobenzene	0.6	0	0			526	208
2969	para-Dichlorobenzene	0.075	0	0			526	208
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*	1	1			526	208
2984	Trichloroethylene	0.005*	5	5			526	208
2996	Styrene	0.1	0	0			526	208
2991	Toluene	1	0	0			526	208
2979	trans-1,2-Dichloroethylene	0.1	0	0			526	208
2955	Xylenes (total)	10*	0	0			526	208

State:	New Jersey
Reporting Interval:	January 1, 1999 - December 31, 1999

SDWIS Codes		MCL (mg/l) ⁱ	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
			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 (Vydate)	0.2	0	0			0	0
2040	Picloram	0.5	0	0			0	0
2037	Simazine	0.004	0	0			0	0
2976	Vinyl chloride	0.002	2	2			526	208
2867	meta-Dichlorobenzene	0.6	0	0			526	208
2978	1,1-Dichloroethane	0.05	2	2			526	208
2251	Methyl tertiary-butyl ether	0.07	0	0			526	208
2248	Naphthalene	0.3	0	0			526	208
2988	1,1,2,2-Tetrachloroethane	0.001	0	0			526	208
	Subtotal organics		16	13			13,676	208

State:	New Jersey
Reporting Interval:	January 1, 1999 - December 31, 1999

SDWIS Codes		MCL (mg/l) ⁱ	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
			Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
2950	Total trihalomethanes	0.10	1	1			7	7
	Subtotal total trihalomethanes		1	1			7	7

State:	New Jersey
Reporting Interval:	January 1, 1999 - December 31, 1999

SDWIS Codes		MCL (mg/l) ⁱ	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
			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			4	1
1005	Arsenic	0.05	0	0			0	0
1094	Asbestos	7 million fibers/l > 10 µm long	0	0			0	0
1010	Barium	2	0	0			6	2
1075	Beryllium	0.004	0	0			0	0
1015	Cadmium	0.005	0	0			12	3
1020	Chromium	0.1	0	0			14	5
1024	Cyanide (as free cyanide)	0.2	0	0			0	0
1025	Fluoride	4.0	0	0			1	1

State:	New Jersey
Reporting Interval:	January 1, 1999 - December 31, 1999

SDWIS Codes		MCL (mg/l) ⁱ	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
			Number of Violations	Number of Systems With Violations	Number of Violations	Number of Systems With Violations	Number of Violations	Number of Systems With Violations
1035	Mercury	0.002	3	3			7	2
1040	Nitrate	10 (as Nitrogen)	29	26			642	540
1041	Nitrite	1 (as Nitrogen)	0	0			0	0
1045	Selenium	0.05	0	0			6	2
1085	Thallium	0.002	1	1			13	5
1038	Total nitrate and nitrite	10 (as Nitrogen)	See SDWIS code 1040	(see SDWIS code 1040)			(see SDWIS code 1040)	(see SDWIS code 1040)

State:	New Jersey
Reporting Interval:	January 1, 1999 - December 31, 1999

SDWIS Codes		MCL (mg/l) ⁱ	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
			Number of Violations	Number of Systems With Violations	Number of Violations	Number of Systems With Violations	Number of Violations	Number of Systems With Violations
	Radionuclide MCLs							
4000	Gross alpha	15 pCi/l	5	5			0	0
4010	Radium-226 and radium-228	5 pCi/l	1	1			0	0
4101	Gross beta	4 mrem/yr	0	0			0	0
	Subtotal inorganics plus radionuclides		6	5			0	0

State:	New Jersey
Reporting Interval:	January 1, 1999 - December 31, 1999

SDWIS Codes		MCL (mg/l) ⁱ	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
			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	44	37				
22	Non-acute MCL violation	Presence	181	128				
23,25	Major routine and follow up monitoring						1,468	859
28	Sanitary survey ⁱⁱ						0	0
	Subtotal Total Coliform Rule		225	145			1,468	859

New Jersey	
State:	
Reporting Interval:	January 1, 1999 – December 31, 1999

SDWIS Codes		MCL (mg/l) ¹	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
			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						4	4
41	Treatment techniques				9	5		
	Unfiltered systems							
31	Monitoring, routine/repeat						0	0
42	Failure to filter				0	0		
	Subtotal Surface Water Treatment Rule				9	5	4	4

State:	New Jersey
Reporting Interval:	January 1, 1999 - December 31, 1999

SDWIS Codes		MCL (mg/l) ⁱ	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
			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						94	34
52	Follow-up or routine lead and copper tap M/R						0	0
58,62	Treatment Installation				0	0		
65	Public education				0	0		
	Subtotal Lead & Copper Rule				0	0	94	34

ⁱ Values are in milligrams per litre (mg/l), unless otherwise specified.

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

* See Tables 2 and 3. Some New Jersey drinking water standards are more stringent than the federal drinking water standards. The MCL violations are based on New Jersey drinking water standards.

Definitions for Violations Table

The following definitions apply to the Summary of Violations table.

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].

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.

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 and reporting (M/R) requirements. Four-digit SDWIS Contaminant Codes have also been included in the chart for specific MCL contaminants.

Surface Water Treatment Rule: 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.

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.

Table 2

**Volatile Organic Chemicals Regulated
as Primary Contaminants by NJDEP and USEPA**

Contaminant	New Jersey MCL (ug/l)	USEPA MCL (ug/l)
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

Table 3

**Volatile Organic Chemicals 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

Table 4
Summary of Violation Types by Contaminant

Contaminant Type	Maximum Contaminant Level (MCL)		Action Level		Treatment Technique		Significant Monitoring/Reporting	
	Number of Violations	Number of Systems With Violations	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	16	13					13,676	208
Total Trihalomethanes	1	1					7	7
Inorganic including Radionuclides	40	36					705	566
Total Coliform Rule	225	145					1,468	859
Surface Water Treatment Rule					9	5	4	4
Lead and Copper Rule			164	128	1	1	94	34
TOTAL	282	190	164	128	10	6	15,954	1,403

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, (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 1999 MCL and Treatment Technique Violations
New Jersey Department of Environmental Protection***

<i>PWID</i>	<i>System Name</i>	<i>Fac #</i>	<i>Violation Date</i>	<i>Contaminant Name</i>	<i>Concentration *</i>	<i>Treatment Status **</i>	<i>Compliance Status ***</i>	<i>Comments</i>
0108013	TOWER 1999 MOBILE HOMES	01	01/01/199	Mercury	0.008	-	-	-
0108017	TOWER MOBILE HOMES SYS#3	01	01/01/199	Mercury	0.0026	-	-	Contaminated well shut off 3-7-00
0221001	GARFIELD W DEPT	-	09/01/199	Coliform	-	-	RTC 10/1/99	Result of Hurricane Floyd; monthly violation
0238001	UNITED WATER NJ	11	09/01/199	Turbidity	-	-	RTC 10/99	Result of Hurricane Floyd
0436002	ELMTOWNE VILLAGE ASSOC-SYS	-	12/01/199	Coliform	-	N	RTC 1/1/00	Monthly violation
0436006	STRAWBERRY VILLAGE	-	09/23/199	Combined Radium (226 & 228)	16	R	-	Public notice on 9/30/99; quarterly monitoring required
0436006	STRAWBERRY VILLAGE	-	09/23/199	Gross Alpha Particle Activity	73	R	-	Public notice on 9/30/99; quarterly monitoring required
0516001	WOODBINE MUA	-	09/01/199	Coliform	-	N	RTC 10/99	Monthly violation
0601001	BRIDGETON W DEPT	10	01/01/199	Tetrachloroethylene	4.3	I	RTC 11/3/99	On-going MCL violation
0605002	TIPS TRAILER PARK & SALE	-	10/01/199	Coliform	-	N	RTC 11/99	Monthly violation
0614002	BERRYMAN'S BRANCH MOBILE	-	01/01/199	Coliform	-	N	RTC 2/99	Acute violation
0614002	BERRYMAN'S BRANCH MOBILE	-	01/01/199	Coliform	-	N	RTC 2/99	Monthly violation
0716001	NUTLEY WATER DEPT	-	04/01/199	Coliform	-	N	RTC 4/22/99	Monthly violation
0717001	ORANGE WATER DEPT	-	01/01/199	Coliform	-	-	RTC 1/11/99	Acute violation; surface water source disconnected from service on 1/8/99.
0717001	ORANGE WATER DEPT	01	01/01/199	Turbidity	-	-	-	Surface water source disconnected from service on 1/8/99.
0802001	DEPTFORD TWP MUA	01	01/01/199	Mercury	0.0059	N	-	Quarterly monitoring
0906001	UNITED WATER JERSEY CITY	01	09/01/199	Turbidity	-	N	RTC 9/23/99	Result of Hurricane Floyd

<i>PWID</i>	<i>System Name</i>	<i>Fac #</i>	<i>Violation Date</i>	<i>Contaminant Name</i>	<i>Concentration*</i>	<i>Treatment Status**</i>	<i>Compliance Status***</i>	<i>Comments</i>
1019001	BUNNVALE W SYSTEM INC	-	10/01/199	Coliform	-	N	RTC 11/2/99	Monthly violation
1103001	CONSUMERS NJ W C HAMILTON	-	08/19/199	Gross Alpha Particle Activity	21	N	RTC 9/4/99	Source water with elevated levels removed from service
1107002	LAWRENCEVILLE W CO	-	09/01/199	Coliform	-	E	RTC 10/31/99	Monthly violation
1213002	MONROE TWP MUA	-	01/11/199	Gross Alpha Particle Activity	-	I	RTC 4/10/00	New well source added; lower gross alpha resulted.
1214001	NEW BRUNSWICK W DEPT	01	09/01/199	Turbidity	-	N	RTC 10/99	Result of Hurricane Floyd
1219001	SAYREVILLE W DEPT	-	06/17/199	Gross Alpha Particle Activity	16.5	R	-	Violation for not repeatedly issuing public notice
1435001	HOFFMAN HOMES	-	09/01/199	Coliform	-	N	RTC 10/99	Monthly violation
1435003	PICATINNY ARSENAL-ARDC	-	09/01/199	Coliform	-	N	RTC 10/99	Monthly violation
1524001	POINT PLEASANT WATER DEP	-	01/01/199	Coliform	-	N	RTC 2/28/99	Monthly violation
1603001	HALEDON WATER DEPT	01	01/01/199	Total Trihalomethanes	107	-	RTC 3/1/00	-
1603001	HALEDON WATER DEPT	-	09/01/199	Coliform	-	-	RTC 10/3/99	Monthly violation
1603001	HALEDON WATER DEPT	-	09/01/199	Coliform	-	-	RTC 10/3/99	Acute violation
1613001	N.J.D.W.S.C. WANAQUE NO.	01		Lead/Copper	-	R	-	Administrative Consent Order requires corrosion control treatment by 9/01
1613002	WANAQUE W DEPT.	-	04/01/199	Coliform	-	-	RTC 05/99	Monthly violation
1912008	FRANCIS AVE W ASSO LK HO	-	09/01/199	Coliform	-	N	RTC 10/31/99	Monthly violation
1912010	CHARLES ST COMMUNITY ASS	01	01/01/199	Antimony	0.009	-	-	Monitoring on-going
1915001	NEWTON WATER & SEWER UTI	01	09/01/199	Turbidity	-	-	-	ACO of 8/27/97 requires remedy by 11/30/03
1915001	NEWTON WATER & SEWER UTI	01	07/01/199	Turbidity	-	-	-	ACO of 8/27/97 requires remedy by 11/30/03

<i>PWID</i>	<i>System Name</i>	<i>Fac #</i>	<i>Violation Date</i>	<i>Contaminant Name</i>	<i>Concentration*</i>	<i>Treatment Status**</i>	<i>Compliance Status***</i>	<i>Comments</i>
1915001	NEWTON WATER & SEWER UTI	01	06/01/199	Turbidity	-	-	-	ACO of 8/27/97 requires remedy by 11/30/03
1915001	NEWTON WATER & SEWER UTI	01	03/01/199	Turbidity	-	R	-	ACO of 8/27/97 requires remedy by 11/30/03
1915001	NEWTON WATER & SEWER UTI	01	05/01/199	Turbidity	-	-	-	ACO of 8/27/97 requires remedy by 11/30/03
1918008	ROAMIN ACRES WATER SYSTE	-	09/01/199	Coliform	-	N	RTC 10/31/99	Monthly violation
1920001	STILLWATER WATER DISTRIC	-	10/01/199	Coliform	-	I	RTC 11/30/99	Monthly violation
1920001	STILLWATER WATER DISTRIC	-	09/01/199	Coliform	-	I	RTC 11/30/99	Acute violation
1920001	STILLWATER WATER DISTRIC	-	09/01/199	Coliform	-	I	RTC 11/30/99	Monthly violation
1920001	STILLWATER WATER DISTRIC	-	04/01/199	Coliform	-	-	RTC 11/30/99	Monthly violation
2004002	ELIZABETHTOWN WATER CO	-	01/14/199	Gross Alpha Particle Activity	46.5	-	-	System chose to close down well

KEY:

* Concentrations for mercury and antimony are reported in parts per million (ppm). Concentrations of gross alpha particle and combined radium (226 228) are reported in picocuries per liter (pCi/L). Concentrations of volatile organics (tetrachloroethylene, total trihalomethanes) are reported in parts per billion (ppb).

** Treatment Status: N=Not required, R=Required but not installed, I=Installed, E=Existing, U=Under Construction.

*** Compliance Status: RTC=Returned to Compliance.

Appendix C: Community Water System 1999 Action Level Violations
New Jersey Department of Environmental Protection

<i>PWID</i>	<i>System Name</i>	<i>Violation Date</i>	<i>Contaminant Name</i>	<i>Concentration*</i>	<i>Treatment Status**</i>	<i>Compliance Status***</i>	<i>Comments</i>
0108008	OCEAN HEIGHTS TRAILER CO	12/31/1999	Lead	0.1571	R	-	First time exceedence
0108011	KARL LE MOBILE MANOR	06/30/1999	Lead	0.024	R	-	AO & Penalty Assess 12/21/98, pending court hearing
0108015	KARL LE MANOR SYS 2	06/30/1999	Copper	3.95	R	-	AO & Penalty Assess 12/21/98, pending court hearing
0108015	KARL LE MANOR SYS 2	06/30/1999	Lead	0.0655	R	-	AO & Penalty Assess 12/21/98, pending court hearing
0111004	POMONA M H P / GARDEN HO	06/30/1999	Copper	4.665	U	-	Calcite filters permit application in house
0211001	ELMWOOD PARK WATER DEPT	06/30/1999	Lead	0.016	E	RTC 5/10/00	Existing treatment
0231001	LODI WATER DEPT	06/30/1999	Lead	0.022	E	RTC 3/3/00	Existing treatment
0329003	LAKE VALLEY WATER COMPAN	12/31/1999	Lead	0.166	R	-	-
0332002	OAKVIEW LEISURE VILLAGE	06/30/1999	Copper	6.7	U	-	-
0410001	TOWN & COUNTRY MOBIL H P	12/31/1999	Copper	4.864	U	-	Permit application in house
0505005	GREENWOOD CONDO COMPLEX	06/30/1999	Lead	0.0648	N	RTC	Well replaced; RTC second half of 99
0707001	FAIRFIELD WATER DEPT	06/30/1999	Lead	0.099	U	-	-
0717001	ORANGE WATER DEPT	06/30/1999	Copper	1.76	I	-	10/1/99 Polyphosphate corrosion control installed
0717001	ORANGE WATER DEPT	12/31/1999	Copper	1.74	I	-	10/1/99 Polyphosphate corrosion control installed
0904001	HARRISON W DEPT	01/01/1999	Lead	0.019	R	-	9/7/00 Viol letter; bulk purchase PVWC
1012001	GLEN GARDNER W DEPT	06/30/1999	Lead	0.0174	E	RTC 12/31/99	-

<i>PWID</i>	<i>System Name</i>	<i>Violation Date</i>	<i>Contaminant Name</i>	<i>Concentration*</i>	<i>Treatment Status**</i>	<i>Compliance Status***</i>	<i>Comments</i>
1019001	BUNNVALE W SYSTEM INC	12/31/1999	Copper	3.9	R	-	Continue sampling
1107001	LAWRENCEVILLE SCHOOL	06/30/1999	Copper	2.4	R	-	-
1107001	LAWRENCEVILLE SCHOOL	12/31/1999	Copper	2.7	R	-	-
1107002	LAWRENCEVILLE W CO	07/01/1999	Copper	1.47	R	-	-
1414007	JEFFERSON TWP.-WD MADOC SYSTEM	06/31/1999	Copper	1.94	R	-	Routine monitoring
1416001	LINCOLN PARK WATER DEPT	06/30/1999	Lead	0.038	R	-	Routine monitoring
1426002	MOUNT ARLINGTON DPW-KADEL SYSTEM	06/30/1999	Lead	0.033	R	-	Routine monitoring
1427016	AWM COUNTRY OAKS	06/30/1999	Lead	0.058	R	-	Routine monitoring
1438001	CLIFFSIDE PARK ASSOC INC	12/31/1999	Copper	2.077	R	-	Routine monitoring
1515001	LAVALLETTTE WATER DEPT	12/31/1999	Lead	0.02	E	-	Exceedence letter sent 6//00
1605002	PASSAIC VALLEY W COMM	06/30/1999	Lead	0.028	E	RTC 4/14/00	-
1615001	BIRCH HILL MUNICIPAL WAT	12/31/1999	Lead	0.0235	-	-	New well under construction
1615018	W MILFORD TWP BALD EAGLE	06/30/1999	Lead	0.017	R	-	Treatment being installed
1615018	W MILFORD TWP BALD EAGLE	12/31/1999	Copper	1.35	R	-	Treatment being installed
1714001	COUNTRY CLUB ESTATES	06/30/1999	Copper	3.1	R	-	Installing new well; must submit corr control trtmt recommendations
1902004	ANDOVER WATER CORP	12/31/1999	Lead	0.0445	R	-	System being taken over; more monitoring needed
1915001	NEWTON WATER & SEWER UTI	06/30/1999	Lead	0.039	R	-	ACO of 8/25/97 requires remedy by 11/30/03

<i>PWID</i>	<i>System Name</i>	<i>Violation Date</i>	<i>Contaminant Name</i>	<i>Concentration *</i>	<i>Treatment Status **</i>	<i>Compliance Status ***</i>	<i>Comments</i>
1916001	OGDENSBURG W DEPT	12/31/1999	Lead	0.018	N	-	Sys was in monitoring reduction; all prev monitoring OK
1918016	SPARTA TWP W U SENECA LA	12/31/1999	Copper	1.52	N	-	Sys was in monitoring reduction; all prev monitoring OK
2108001	HACKETTSTOWN MUA	12/31/1999	Lead	0.0196	E	-	Chemical feed increased

KEY:

* All lead and copper concentrations are reported in parts per million (ppm).

** Treatment Status: N=Not required, R=Required but not installed, I=Installed, E=Existing, U=Under Construction.

*** Compliance Status: RTC=Returned to Compliance.

*Appendix D: Noncommunity Water System 1999 MCL Violations
New Jersey Department of Environmental Protection*

<i>PWID</i>	<i>System Name</i>	<i>Violation Date</i>	<i>Contaminant Name</i>	<i>Concentration*</i>	<i>Treatment Status**</i>	<i>Compliance Status***</i>	<i>Comments</i>
0104318	FIBERTECH GROUP WELL #2	01/01/1999	Nitrate	25.0	I	RTC 1/6/00	-
0104318	FIBERTECH GROUP WELL #2	10/01/1999	Nitrate	19.0	I	RTC 1/6/00	-
0104318	FIBERTECH GROUP WELL #2	07/01/1999	Nitrate	29.3	I	RTC 1/6/00	-
0105321	TUCKAHOE ENTERPRISES	01/01/1999	Nitrate	13.4	I	RTC 4/12/99	-
0105333	CAPPUCCIO'S EASTSIDE DELI	01/01/1999	Nitrate	11.12	I	RTC 2/22/99	-
0108361	GREEN TREE GOLF COURSE	04/01/1999	Coliform	-		RTC 7/22/99	Acute violation
0108361	GREEN TREE GOLF COURSE	04/01/1999	Coliform	-		RTC 7/22/99	Monthly violation
0108386	SOMERSET COVE MARINE	07/01/1999	Coliform	-		RTC 12/23/99	Monthly violation
0108386	SOMERSET COVE MARINE	07/01/1999	Coliform	-		RTC 12/23/99	Acute violation
0112304	ATLANTIC CITY RACE COURS	08/01/1999	Coliform	-		RTC 9/99	Monthly violation
0113345	BRIDGE AVENUE FARMS	07/01/1999	Coliform	-		RTC 8/99	Monthly violation
0113345	BRIDGE AVENUE FARMS	07/01/1999	Coliform	-		RTC 8/99	Acute violation
0113355	CAPPUCCIO FARMS	01/01/1999	Coliform	-		RTC 3/31/99	Monthly violation
0113355	CAPPUCCIO FARMS	01/01/1999	Coliform	-		RTC 3/31/99	Acute violation
0212301	CANDLEWYCK DINER	07/01/1999	Coliform	-		RTC 8/4/99	Monthly violation
0212301	CANDLEWYCK DINER	06/01/1999	Coliform	-		RTC 8/4/99	Monthly violation
0212301	CANDLEWYCK DINER	04/01/1999	Coliform	-		RTC 8/4/99	Acute violation

<i>PWID</i>	<i>System Name</i>	<i>Violation Date</i>	<i>Contaminant Name</i>	<i>Concentration*</i>	<i>Treatment Status**</i>	<i>Compliance Status***</i>	<i>Comments</i>
0258304	EXXON USA 3-5264	10/01/1999	Coliform	-		RTC 11/1/99	Monthly violation
0263305	MARRON COMPANY	01/01/1999	Trichloroethylene	1.63		RTC 11/18/99	-
0263309	PLAZA 17 NORTH	01/01/1999	Trichloroethylene	20.9	E	RTC 4/19/99	-
0320324	LENAPE REGIONAL H.S.MAIN	08/01/1999	Coliform	-	N	RTC 9/30/99	Monthly violation
0320324	LENAPE REGIONAL H.S.MAIN	07/01/1999	Coliform	-	N	RTC 9/30/99	Monthly violation
0320332	IRONSTONE OFFICE COMPLEX	10/01/1999	Coliform	-	N	RTC 12/21/99	Monthly violation
0320332	IRONSTONE OFFICE COMPLEX	11/01/1999	Coliform	-	N	RTC 12/21/99	Monthly violation
0320332	IRONSTONE OFFICE COMPLEX	07/01/1999	Coliform	-	N	RTC 12/21/99	Monthly violation
0324308	RAMBLEWOOD EXXON	01/01/1999	Coliform	-	N	RTC 3/9/99	Monthly violation
0325310	ANDREWS FED. CREDIT UNIO	09/01/1999	Coliform	-	N	RTC 12/28/99	Monthly violation
0333311	RED LION AIRPORT	01/01/1999	Coliform	-	N	RTC 12/21/99	Monthly violation
0333311	RED LION AIRPORT	01/01/1999	Coliform	-	N	RTC 12/21/99	Acute violation
0333311	RED LION AIRPORT	07/01/1999	Coliform	-	N	RTC 12/21/99	Monthly violation
0333311	RED LION AIRPORT	10/01/1999	Coliform	-	N	RTC 12/21/99	Monthly violation
0335321	CONTE FARMS	06/01/1999	Coliform	-	N	RTC 8/31/99	Monthly violation
0339310	MAYO'S HALFWAY HOUSE-RES	07/01/1999	Coliform	-	N	RTC 11/11/99	Monthly violation
0428302	PINE VALLEY GUN CLUB	01/01/1999	Nitrate	11.0	N	RTC 1/4/00	-
0436314	RAY & ALICE'S SICKLERVIL	01/01/1999	Nitrate	12.23	R	-	MCL letter sent 1/4/00; public notice request

<i>PWID</i>	<i>System Name</i>	<i>Violation Date</i>	<i>Contaminant Name</i>	<i>Concentration*</i>	<i>Treatment Status**</i>	<i>Compliance Status***</i>	<i>Comments</i>
0504372	DENNISVILLE LAKE CG - WE	01/01/1999	Nitrate	33.7	N	RTC 6/25/00	-
0506408	OVER THE RAINBOW NURSERY	10/01/1999	Nitrate	12.5	U	-	Bottled water provided
0506408	OVER THE RAINBOW NURSERY	07/01/1999	Nitrate	16.5	U	-	Bottled water provided
0511358	KIRK'S PIZZERIA	10/01/1999	Coliform	-	-	-	Acute violation; inactive system; connected to CWS 11/23/99
0511358	KIRK'S PIZZERIA	10/01/1999	Coliform	-	-	-	Monthly violation; inactive system; connected to CWS 11/23/99
0603311	ROSENHAYN DELI	01/01/1999	Nitrate	18.0	I	RTC 5/00	Reverse osmosis unit installed
0603313	ROSENHAYN TAVERN	07/01/1999	Coliform	-	E	RTC 10/14/99	Monthly violation
0605300	FAIRFIELD ADULT MED DAY CARE	01/01/1999	Nitrate	15.0	E	RTC 1/17/00	Treatment malfunctioned and has been fixed
0605308	LANNING BROTHERS FARMS INC	10/01/1999	Coliform	-	-	RTC 6/26/00	Monthly violation
0607302	HOPEWELL CREST SCHOOL	10/01/1999	Nitrate	12.0	R	-	Public notice 1/4/00
0613308	CONNIE'S COUNTRY STORE	01/01/1999	Nitrate	15.0	I	-	Public notice 2/9/99
0613319	TINKER'S SEAFOOD	01/01/1999	Nitrate	11.0	R	-	Public notice 3/23/99
0614331	EUGENE ENTERPRIZES INC.	01/01/1999	Nitrate	25.0	-	-	On-going violation
0722301	MONTCLAIR GOLF COURSE	12/01/1999	Coliform	-	N	RTC 2/1/00	Monthly violation
0805321	LITTLE EASE TAVERN	01/01/1999	Nitrate	10.6	R	-	MCL Letter sent 8/25/99; public notice requested
0805367	TRUTH BAPTIST CHURCH	01/01/1999	Nitrate	22.1	R	-	MCL letter sent 10/22/99; public notice requested
0810301	EDWIN BURGER & SON FENCI	04/01/1999	Coliform	-	-	-	Acute violation; inactive from 1/20/00; connected to CWS 4/6/00
0810301	EDWIN BURGER & SON FENCI	04/01/1999	Coliform	-	-	-	Monthly violation; inactive from 1/20/00; connected to CWS 4/6/00

<i>PWID</i>	<i>System Name</i>	<i>Violation Date</i>	<i>Contaminant Name</i>	<i>Concentration*</i>	<i>Treatment Status**</i>	<i>Compliance Status***</i>	<i>Comments</i>
0811319	DEVONES FAMILY TAVERN	07/01/1999	Coliform	-	N	RTC 10/28/99	Monthly violation
0820300	HUNTSMAN GROVE CORP	01/01/1999	1,2 - Dichloroethane	5	-	-	On going MCL viol; inactive; connected to CWS 4/00
0824301	GRASSO FOODS INC	07/01/1999	Coliform	-	N	RTC 12/22/99	Acute violation
0824301	GRASSO FOODS INC	07/01/1999	Coliform	-	N	RTC 12/22/99	Monthly violation
1021311	COPPER HILL C.C. - WELL	07/01/1999	Coliform	-	N	RTC 10/18/99	Monthly violation
1021389	COPPER HILL C.C. - WELL	07/01/1999	Coliform	-	N	RTC 10/18/99	Acute violation
1021389	COPPER HILL C.C. - WELL	07/01/1999	Coliform	-	N	RTC 10/18/99	Monthly violation
1021396	FLEMINGTON CHRYSLER/MAZD	01/01/1999	Vinyl chloride	28	E	-	Conducting followup sampling
1021396	FLEMINGTON CHRYSLER/MAZD	01/01/1999	Benzene	28	E	-	Conducting followup sampling
1021396	FLEMINGTON CHRYSLER/MAZD	01/01/1999	Trichloroethylene	7.8	E	-	Conducting followup sampling
1022310	SALEM INDUSTRIAL PARK	01/01/1999	Methylene chloride	4.83	I	RTC 2/24/00	-
1022310	SALEM INDUSTRIAL PARK	01/01/1999	1,1 - Dichloroethylene	2.76	I	RTC 2/24/00	-
1022361	SALEM SQUARE	01/01/1999	1,1 - Dichloroethylene	7.04	I	RTC 2/24/00	-
1106390	PENNINGTON MONTESSORI SCHOOL	01/01/1999	Thallium	0.005	-	-	Monitoring on-going
1106390	PENNINGTON MONTESSORI SCHOOL	07/01/1999	Coliform	-	-	RTC 10/4/99	Monthly violation
1106394	TODDLER VILLAGE AT STONY BROOK	01/01/1999	Trichloroethylene	4.1	-	-	-
1106394	TODDLER VILLAGE AT STONY BROOK	10/01/1999	Coliform	-	-	RTC 12/1/99	Monthly violation
1205306	WEST BROOK SWIM CLUB	04/01/1999	Coliform	-	-	-	Monthly violation

<i>PWTD</i>	<i>System Name</i>	<i>Violation Date</i>	<i>Contaminant Name</i>	<i>Concentration *</i>	<i>Treatment Status **</i>	<i>Compliance Status ***</i>	<i>Comments</i>
1205306	WEST BROOK SWIM CLUB	07/01/1999	Coliform	-	-	-	Acute violation
1205306	WEST BROOK SWIM CLUB	07/01/1999	Coliform	-	-	-	Monthly violation
1309306	COLTS NECK REFORMED CHUR	07/01/1999	Coliform	-	N	RTC 9/3/99	Monthly violation; no history of quality violations; 5 check samples clean
1309320	MERCHANTS WAY SHOPPING CTR	07/01/1999	Coliform	-	N	RTC 8/2/99	Monthly violation
1309320	MERCHANTS WAY SHOPPING CTR	07/01/1999	Coliform	-	N	RTC 8/2/99	Acute violation
1316302	LA MIRAGE RESTAURANT	07/01/1999	Coliform	-	N	RTC 9/3/99	Acute violation
1319302	CLUBHOUSE TAVERN	10/01/1999	Coliform	-	-	-	Monthly violation; system closed 11/1/99
1319302	CLUBHOUSE TAVERN	08/01/1999	Coliform	-	-	-	Monthly violation; system closed 11/1/99
1319302	CLUBHOUSE TAVERN	09/01/1999	Coliform	-	-	-	Monthly violation; system closed 11/1/99
1319400	CUMBERLAND FARMS	01/01/1999	Coliform	-	N	RTC 3/22/99	Monthly violation
1319450	EXXON USA 3-8576	08/01/1999	Coliform	-	R	-	Monthly violation; letter sent 2/00 requiring them to investigate and correct source
1319450	EXXON USA 3-8576	09/01/1999	Coliform	-	R	-	Monthly violation; letter sent 2/00 requiring them to investigate and correct source
1319450	EXXON USA 3-8576	10/01/1999	Coliform	-	R	-	Monthly violation; letter sent 2/00 requiring them to investigate and correct source
1319450	EXXON USA 3-8576	07/01/1999	Coliform	-	R	-	Monthly violation; letter sent 2/00 requiring them to investigate and correct source
1326346	MILLHURST MILLS INC, WEL	07/01/1999	Coliform	-	N	RTC 9/21/99	Monthly violation
1326346	MILLHURST MILLS INC, WEL	08/01/1999	Coliform	-	N	RTC 9/21/99	Monthly violation
1326346	MILLHURST MILLS INC, WEL	07/01/1999	Coliform	-	N	RTC 9/21/99	Acute violation
1326361	AIR PRODUCTS & CHEMICALS	04/01/1999	Coliform	-	I	RTC 7/6/99	Monthly violation; UV installed 6/25/99

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1326361	AIR PRODUCTS & CHEMICALS	05/01/1999	Coliform	-	I	RTC 7/6/99	Monthly violation; UV installed 6/25/99
1326361	AIR PRODUCTS & CHEMICALS	01/01/1999	Coliform	-	I	RTC 7/6/99	Monthly violation; UV installed 6/25/99
1328302	FIRESIDE LOUNGE	07/01/1999	Coliform	-	N	RTC 8/19/99	Monthly violation
1331301	TATUM PARK ACTIVITY CTR-	08/01/1999	Coliform	-	N	RTC 9/13/99	Monthly violation
1331301	TATUM PARK ACTIVITY CTR-	09/01/1999	Coliform	-	N	RTC 9/13/99	Monthly violation
1331301	TATUM PARK ACTIVITY CTR-	07/01/1999	Coliform	-	N	RTC 9/13/99	Acute violation
1336310	ASSOCIATED HUMANE SOCIET	07/01/1999	Coliform	-	-	-	Monthly violation; connected to Community Water System on 8/2/99
1336310	ASSOCIATED HUMANE SOCIET	07/01/1999	Coliform	-	-	-	Acute violation; connected to Community Water System on 8/2/99
1336316	CARTON ET ALS LEGAL OFFS	10/01/1999	Coliform	-	N	RTC 11/3/99	Monthly violation
1336316	CARTON ET ALS LEGAL OFFS	07/01/1999	Coliform	-	N	RTC 11/3/99	Monthly violation
1402305	JOHANSON MANUFACTURING	07/01/1999	Coliform	-	N	RTC 10/18/99	Monthly violation
1406314	ROCONDO CONDO OWNERS ASS	07/01/1999	Coliform	-	N	RTC 11/19/99	Monthly violation
1406317	OLIVERS RESTAURANT	07/01/1999	Coliform	-	N	RTC 11/12/99	Monthly violation
1406319	LARISON'S TURKEY FARM (B	01/01/1999	Coliform	-	N	RTC 3/24/99	Monthly violation
1407300	BRAGG SCHOOL	12/01/1999	Coliform	-	N	RTC 3/00	Monthly violation
1407322	BILL'S LUNCH & GENERAL ST	10/01/1999	Coliform	-	N	RTC 10/18/99	Monthly violation
1407322	BILL'S LUNCH & GENERAL ST	11/01/1999	Coliform	-	N	RTC 12/29/99	Monthly violation
1410307	PARK MEADOWS INDUSTRIAL	07/01/1999	Coliform	-	N	RTC 10/13/99	Monthly violation

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1411303	CENTER CRT TENNIS CLUB/O	04/01/1999	Coliform	-	N	RTC 7/26/99	Monthly violation
1411303	CENTER CRT TENNIS CLUB/O	04/01/1999	Coliform	-	N	RTC 7/26/99	Acute violation
1414349	TINY'S	10/01/1999	Coliform	-	N	RTC 12/99	Monthly violation
1414354	YACHT CLUB	01/01/1999	Nitrate	13.4	N	-	MCL violation letter sent 7/00
1414401	JEFFERSON HIGH & MIDDLE	10/01/1999	Coliform	-	N	RTC 11/99	Monthly violation
1419302	MOUNT ST JOHN ACADEMY	07/01/1999	Coliform	-	N	RTC 8/3/99	Monthly violation
1419302	MOUNT ST JOHN ACADEMY	07/01/1999	Coliform	-	N	RTC 8/3/99	Acute violation
1427335	FLANDERS GENERAL STORE	10/01/1999	Coliform	-	N	RTC 11/99	Monthly violation
1427385	QUICK CRETE	01/01/1999	Vinyl chloride	3.18	-	-	On-going violation
1435310	TELEMARK TAVERN	01/01/1999	Coliform	-	N	RTC 2/17/99	Monthly violation
1435315	GREEN POND CORP	04/01/1999	Coliform	-	N	RTC 6/21/99	Acute violation
1435315	GREEN POND CORP	04/01/1999	Coliform	-	N	RTC 6/21/99	Monthly violation
1435315	GREEN POND CORP	07/01/1999	Coliform	-	N	RTC 8/19/99	Monthly violation
1435325	SUN RISE SUNSET NURSERY SCHOOL	11/01/1999	Coliform	-	N	RTC 1/4/00	Monthly violation
1435325	SUN RISE SUNSET NURSERY SCHOOL	12/01/1999	Coliform	-	N	RTC 1/4/00	Monthly violation
1435333	LUZZI'S HIBERNIAN RESTAU	10/01/1999	Coliform	-	N	RTC 1/7/00	Monthly violation
1436305	HOLIDAY INN OF LEDGEWOOD	01/01/1999	Coliform	-	N	RTC 2/1/99	Monthly violation
1436305	HOLIDAY INN OF LEDGEWOOD	03/01/1999	Coliform	-	N	RTC 3/16/99	Monthly violation

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1436330	SWIM & SPORT CLUB INC	07/01/1999	Coliform	-	N	-	Monthly violation; MCL violation unresolved; letter sent 7/00
1511398	MECEDECONK NATIONAL GOLF	10/01/1999	Coliform	-	N	RTC 11/1/99	Acute violation
1511398	MECEDECONK NATIONAL GOLF	07/01/1999	Coliform	-	N	RTC 11/1/99	Monthly violation
1511398	MECEDECONK NATIONAL GOLF	10/01/1999	Coliform	-	N	RTC 11/1/99	Monthly violation
1512386	GPU NUCLEAR CORP - OYSTE	01/01/1999	Coliform	-	N	RTC 2/1/99	Monthly violation
1514350	DESIGN INC T/A AUTO ACCENTS	07/01/1999	Coliform	-	N	RTC 10/15/99	Monthly violation
1514350	DESIGN INC T/A AUTO ACCENTS	07/01/1999	Coliform	-	N	RTC 10/15/99	Acute violation
1518334	ST STEPHENS CHURCH	07/01/1999	Coliform	-	-	-	Monthly violation; Violation letter 10/29/00
1518334	ST STEPHENS CHURCH	10/01/1999	Coliform	-	-	-	Monthly violation; Violation letter 10/29/00
1615314	SHELL OIL CO	07/01/1999	Coliform	-	-	RTC 11/4/99	Monthly violation
1615317	VILLAGE SQUARE INN	12/01/1999	Coliform	-	-	RTC 2/1/00	Monthly violation
1615327	WESTBROOK SCHOOL	10/01/1999	Coliform	-	-	RTC 12/31/99	Monthly violation
1615329	MARSHALL HILL SCHOOL	10/01/1999	Coliform	-	-	RTC 12/31/99	Monthly violation
1615353	ESCO PRODUCTS	10/01/1999	Coliform	-	-	RTC 1/1/00	Monthly violation
1615353	ESCO PRODUCTS	12/01/1999	Coliform	-	-	RTC 1/1/00	Monthly violation
1615357	CAMP HOPE	10/01/1999	Coliform	-	-	-	Monthly violation; well shut down for winter; restart 5/00
1615369	THE PHILADELPHIA CHURCH MINIST	07/01/1999	Coliform	-	-	RTC 1/27/00	Monthly violation
1615369	THE PHILADELPHIA CHURCH MINIST	07/01/1999	Coliform	-	-	RTC 1/27/00	Acute violation

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1615386	STRENGTH IN OUR SISTERS	12/01/1999	Coliform	-		RTC 2/1/00	Monthly violation
1615409	THE MARKET PLACE	10/01/1999	Coliform	-		RTC 1/1/00	Monthly violation
1701317	TALL PINES CAMP GROUNDS	01/01/1999	Nitrate	11.0		RTC 6/17/99	-
1703302	OAKWOOD INN	10/01/1999	Coliform	-		RTC 3/3/00	Monthly violation
1703302	OAKWOOD INN	10/01/1999	Coliform	-		RTC 3/3/00	Acute violation
1703307	VFW POST 253	01/01/1999	Nitrate	12.0		RTC 9/23/99	-
1708300	E I DUPONT DENEWMOURS CO	07/01/1999	Coliform	-		RTC 8/99	Monthly violation
1710329	MISSION TEENS INC.	01/01/1999	Nitrate	13.0	I	3/6/00	Transient sys allowed 20 mg/l as per 40CFR141.11 but treatment installed
1711303	FAITH FARM INC	01/01/1999	Nitrate	12.0		-	Transient sys allowed 20 mg/l as per 40 CFR 141.11
1713301	SULLIVANS TAVERN	07/01/1999	Coliform	-		RTC 10/27/99	Monthly violation
1714301	T.A.M.C.A.	04/01/1999	Nitrate	13.0	I	RTC 9/3/99	-
1801307	FIDLERS ELBOW GOLF COURCE	07/01/1999	Coliform	-		-	Monthly violation
1806306	CAMP CROMWELL	10/01/1999	Coliform	-		RTC	Monthly violation
1806316	GREEN KNOLL GC-7TH TEE	04/01/1999	Coliform	-	N	RTC 7/12/99	Monthly violation
1808348	RUFFLE'S INN	01/01/1999	Nitrate	13.0		-	-
1810333	JASPER'S RESTAURANT	07/01/1999	Coliform	-		-	-
1820303	KING GEORGE INN	10/01/1999	Coliform	-		-	Monthly violation; unresolved; being investigated
1902301	HOLIDAY MOTEL	12/01/1999	Coliform	-	I	RTC 1/5/00	Monthly violation

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1902305	ANDOVER TWP FIRE HOUSE	07/01/1999	Coliform	-	I	RTC 11/30/99	Acute violation
1902305	ANDOVER TWP FIRE HOUSE	07/01/1999	Coliform	-	I	RTC 11/30/99	Monthly violation
1902307	MAX'S STATION HOUSE	09/01/1999	Coliform	-	I	RTC 10/6/99	Acute violation
1902307	MAX'S STATION HOUSE	09/01/1999	Coliform	-	I	RTC 10/6/99	Monthly violation
1902307	MAX'S STATION HOUSE	04/01/1999	Coliform	-	I	RTC 10/6/99	Monthly violation
1902307	MAX'S STATION HOUSE	04/01/1999	Coliform	-	I	RTC 10/6/99	Acute violation
1902317	RAYS INN	01/01/1999	Coliform	-	I	RTC 7/9/99	Monthly violation
1902317	RAYS INN	04/01/1999	Coliform	-	I	RTC 7/9/99	Monthly violation
1902317	RAYS INN	04/01/1999	Coliform	-	I	RTC 7/9/99	Acute violation
1902346	WILLOW GLEN ACADEMY	10/01/1999	Coliform	-	N	RTC 1/10/00	Monthly violation
1904323	MOUNTAINSIDE RESTAURANT	07/01/1999	Coliform	-	N	RTC 9/22/99	Acute violation
1904323	MOUNTAINSIDE RESTAURANT	07/01/1999	Coliform	-	N	RTC 9/22/99	Monthly violation
1904353	SUSSEX COUNTY NISSAN	01/01/1999	Carbon tetrachloride	4.72	I	RTC 12/22/99	Ongoing MCL violation
1905300	SUSSEX COUNTY HEALTH CEN	09/01/1999	Coliform	-	I	RTC 10/31/99	Monthly violation
1905300	SUSSEX COUNTY HEALTH CEN	07/01/1999	Coliform	-	I	RTC 10/31/99	Monthly violation
1905325	DALES MARKET	04/01/1999	Coliform	-	N	RTC 5/20/99	Monthly violation
1906303	AMERICAN LEGION POST 132	10/01/1999	Coliform	-	I	RTC 2/29/00	Monthly violation
1908312	GREEN TWP FIRST AID	10/01/1999	Coliform	-	I	RTC 5/31/00	Monthly violation

<i>PWID</i>	<i>System Name</i>	<i>Violation Date</i>	<i>Contaminant Name</i>	<i>Concentration*</i>	<i>Treatment Status**</i>	<i>Compliance Status***</i>	<i>Comments</i>
1908316	TRANQUILITY 7TH DAY ADV CHURCH	07/01/1999	Coliform	-	I	RTC 12/21/99	Monthly violation
1908316	TRANQUILITY 7TH DAY ADV CHURCH	10/01/1999	Coliform	-	I	RTC 12/21/99	Acute violation
1908316	TRANQUILITY 7TH DAY ADV CHURCH	07/01/1999	Coliform	-	I	RTC 12/21/99	Acute violation
1908316	TRANQUILITY 7TH DAY ADV CHURCH	10/01/1999	Coliform	-	I	RTC 12/21/99	Monthly violation
1910301	BURGER KING	07/01/1999	Coliform	-	N	RTC 7/19/99	Monthly violation
1910301	BURGER KING	04/01/1999	Coliform	-	N	RTC 7/19/99	Monthly violation
1910302	CAMP AUXILIUM	10/01/1999	Coliform	-	N	RTC 2/29/00	Monthly violation
1910311	GEMINI DINER	10/01/1999	Coliform	-	N	RTC 2/25/00	Monthly violation
1910313	CONDIT FORD	01/01/1999	Nitrate	12.2	N	RTC 5/11/99	-
1910327	KITTATINNY REG HIGH SCHO	06/01/1999	Coliform	-	N	RTC 7/31/99	Monthly violation
1910333	HAMPTON TOWNSHIP PARK	07/01/1999	Coliform	-	I	RTC 4/30/00	Monthly violation
1910333	HAMPTON TOWNSHIP PARK	07/01/1999	Coliform	-	I	RTC 4/30/00	Acute violation
1910336	SUSEX COUNTY FIRE TRAINING	12/01/1999	Coliform	-	I	RTC 2/29/00	Monthly violation
1910336	SUSEX COUNTY FIRE TRAINING	07/01/1999	Coliform	-	I	RTC 2/29/00	Monthly violation
1911339	WINNER'S	01/01/1999	Coliform	-	N	RTC 3/12/00	Monthly violation
1912322	WESTSIDE UNITED METHODIS	10/01/1999	Coliform	-	I	RTC 1/31/00	Monthly violation
1913314	COUNTY OF SUSSEX-LAFAYETTE COM	07/01/1999	Coliform	-	I	RTC 10/31/00	Monthly violation
1913314	COUNTY OF SUSSEX-LAFAYETTE COM	07/01/1999	Coliform	-	I	RTC 10/31/00	Acute violation

<i>PWID</i>	<i>System Name</i>	<i>Violation Date</i>	<i>Contaminant Name</i>	<i>Concentration *</i>	<i>Treatment Status **</i>	<i>Compliance Status ***</i>	<i>Comments</i>
1914301	RENDEZVOUS	10/01/1999	Coliform	-	N	RTC 2/7/00	Monthly violation
1914328	XTRA	07/01/1999	Coliform	-	N	RTC 2/3/00	Monthly violation
1917310	STOKES STATE FOREST	07/01/1999	Coliform	-	N	RTC 10/27/99	Monthly violation
1922302	TALL TIMBERS	04/01/1999	Coliform	-	N	RTC 4/29/99	Monthly violation
1922302	TALL TIMBERS	01/01/1999	Coliform	-	N	RTC 2/8/99	Acute violation
1922302	TALL TIMBERS	01/01/1999	Coliform	-	N	RTC 2/8/99	Monthly violation
1922307	WAWAYANDA STATE PARK/BATH HOUS	07/01/1999	Coliform	-	N	RTC 12/8/99	Monthly violation
1922322	BROTHER'S PIZZA	04/01/1999	Coliform	-	I	RTC 9/3/99	Acute violation
1922322	BROTHER'S PIZZA	04/01/1999	Coliform	-	I	RTC 9/3/99	Monthly violation
1922322	BROTHER'S PIZZA	01/01/1999	Coliform	-	I	RTC 4/28/99	Monthly violation
1922337	PIZZA PROS	04/01/1999	Coliform	-	N	RTC 8/6/99	Monthly violation
1922350	VERNON VALLEY RECREATION	12/01/1999	Coliform	-	I	RTC 12/29/99	Monthly violation
1922362	SUSSEX HILLS GAS STAITON	01/01/1999	Nitrate	13.3	N	RTC 12/31/99	-
1922370	AMES RUBBER CORP	01/01/1999	Coliform	-	N	RTC 2/12/99	Monthly violation
1924301	HIGH POINT MOTOR LODGE	01/01/1999	Coliform	-	N	RTC 4/7/99	Monthly violation
1924321	AMES RUBBER-PLANT 3	01/01/1999	Coliform	-	N	RTC 2/12/99	Monthly violation
1924329	FRANKLIN SUSSEX AUTOMALL, INC.	04/01/1999	Coliform	-	I	RTC 8/6/99	Monthly violation
1924329	FRANKLIN SUSSEX AUTOMALL, INC.	01/01/1999	Coliform	-	I	RTC 3/12/99	Monthly violation

<i>PWID</i>	<i>System Name</i>	<i>Violation Date</i>	<i>Contaminant Name</i>	<i>Concentration*</i>	<i>Treatment Status**</i>	<i>Compliance Status***</i>	<i>Comments</i>
1924331	ECONOPAC INC.	10/01/1999	Coliform	-	I	-	Monthly violation
1924336	SUSSEX QUEEN DINER	10/01/1999	Coliform	-	I	RTC 3/2/00	Monthly violation
1924352	A & P SHOPPING CENTER-A&P WELL	01/01/1999	Trichloroethylene	1.84	I	RTC 2/7/00	-
1924352	A & P SHOPPING CENTER-A&P WELL	09/01/1999	Coliform	-	I	RTC 10/31/99	Monthly violation
1924352	A & P SHOPPING CENTER-A&P WELL	11/01/1999	Coliform	-	I	RTC 12/31/99	Monthly violation
1924355	THE YOUNG SCHOOL	10/01/1999	Coliform	-	-	-	Monthly violation; Notice of Violation sent 1/28/00
1924355	THE YOUNG SCHOOL	10/01/1999	Coliform	-	-	-	Acute violation; Notice of Violation sent 1/28/00
2018300	NOVARTIS PHARMACEUTICALS CORP.	01/01/1999	1,1 - Dichloroethylene	2.53	-	-	Referred to county health dept as a significant non-complier
2104306	ST. JUDES CHILD CARE CTR	10/01/1999	Coliform	-	N	RTC 1/1/00	Monthly violation
2104307	BLAIRSTOWN DAIRY QUEEN	07/01/1999	Coliform	-	N	RTC 11/4/99	Monthly violation
2104307	BLAIRSTOWN DAIRY QUEEN	07/01/1999	Coliform	-	N	RTC 11/4/99	Acute violation
2104311	FOUNTAIN MALL	01/01/1999	Coliform	-	N	RTC 2/18/99	Acute violation
2104311	FOUNTAIN MALL	01/01/1999	Coliform	-	N	RTC 2/18/99	Monthly violation
2104326	EVANGELICAL CHURCH/BLAIR	07/01/1999	Coliform	-	I	RTC 1/1/00	Monthly violation
2104326	EVANGELICAL CHURCH/BLAIR	07/01/1999	Coliform	-	I	RTC 1/1/00	Acute violation
2104326	EVANGELICAL CHURCH/BLAIR	11/01/1999	Coliform	-	I	RTC 1/1/00	Monthly violation
2104326	EVANGELICAL CHURCH/BLAIR	10/01/1999	Coliform	-	I	RTC 1/1/00	Acute violation
2104326	EVANGELICAL CHURCH/BLAIR	12/01/1999	Coliform	-	I	RTC 1/1/00	Monthly violation

<i>PWID</i>	<i>System Name</i>	<i>Violation Date</i>	<i>Contaminant Name</i>	<i>Concentration *</i>	<i>Treatment Status **</i>	<i>Compliance Status ***</i>	<i>Comments</i>
2105312	BROADWAY MOTOR COURT	10/01/1999	Coliform	-	N	RTC 1/1/00	Monthly violation
2105321	VICTAULIC INC.	01/01/1999	Nitrate	11.4	N	-	Public notice and monitoring continue
2106309	JAMES ALEXANDER CORP.	07/01/1999	Nitrate	17.6	N	-	Public notice and monitoring continue
2112306	ISLAND DRAGWAY	10/01/1999	Coliform	-	N	RTC 12/30/99	Monthly violation
2112306	ISLAND DRAGWAY	12/01/1999	Coliform	-	N	RTC 12/30/99	Monthly violation
2113305	ACI TRUCKSTOP	01/01/1999	Coliform	-	N	RTC 3/30/99	Monthly violation
2113305	ACI TRUCKSTOP	03/01/1999	Coliform	-	N	RTC 3/30/99	Monthly violation
2114316	RON & GEORGES TAVERN	12/01/1999	Coliform	-	N	RTC 1/1/00	Monthly violation
2114316	RON & GEORGES TAVERN	10/01/1999	Coliform	-	N	RTC 1/1/00	Acute violation
2114320	PARKS PLACE	01/01/1999	Coliform	-	N	RTC 7/1/99	Monthly violation
2116309	HOFFMANS HME OF FINE BAK	04/01/1999	Coliform	-	N	RTC 8/3/99	Monthly violation
2117315	ST ROSE OF LIMA PARISH C	04/01/1999	Coliform	-	N	RTC 7/19/99	Monthly violation
2123304	HOT DOG JOHNNYS	10/01/1999	Coliform	-	N	RTC 1/1/00	Monthly violation
2123317	BEL-PIKE LANES	07/01/1999	Coliform	-	N	RTC 9/15/99	Monthly violation

<i>PWID</i>	<i>System Name</i>	<i>Violation Date</i>	<i>Contaminant Name</i>	<i>Concen- tration*</i>	<i>Treatment Status**</i>	<i>Compliance Status***</i>	<i>Comments</i>
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KEY

* Concentration for thallium is reported in parts per million (ppm). Concentrations of volatile organics (trichloroethylene, 1,2-dichloroethane, vinyl chloride, benzene, methylene chloride, 1,1-dichloroethylene, carbon tetrachloride) are reported in parts per billion (ppb).

** Treatment Status: N=Not required, R=Required but not installed, I=Installed, E=Existing, U=Under Construction.

*** Compliance Status: RTC=Returned to Compliance.

*Appendix E: Noncommunity Water Systems 1999 Action Level Violations
New Jersey Department of Environmental Protection*

<i>PWID</i>	<i>System Name</i>	<i>Violation Date</i>	<i>Contaminant Name</i>	<i>Concentration*</i>	<i>Treatment Status**</i>	<i>Compliance Status***</i>	<i>Comments</i>
0105341	WILMAD GLASS DIV (OAK RD	12/31/199	Copper	2.6975	U	-	System intalling treatement as of 6/25/00;resample second half 2000
0105341	WILMAD GLASS DIV (OAK RD	12/31/199	Lead	0.05085	U	-	System installing treatment as of 6/25/00; resample second half 2000
0105342	WILMAD GLASS DIV (BLDG C	12/31/199	Copper	2.675	U	-	System installing treatment as of 6/25/00; resample second half 2000
0108388	RSL WOODWORKING #2	06/30/199	Copper	5.2	R	-	Referred to Atlantic County Health Dept for enforcement on 6/1/00
0108388	RSL WOODWORKING #2	06/30/199	Lead	0.13625	R	-	Referred to Atlantic County Health Dept on 6/1/00
0108388	RSL WOODWORKING #2	12/31/199	Copper	6.515	R	-	Referred to Atlantic County Health Dept on 6/1/00
0108388	RSL WOODWORKING #2	12/31/199	Lead	0.0159	R	-	Referred to Atlantic County Health Dept on 6/1/00
0109304	MANOR WOODS	12/31/199	Copper	4.3	R	-	Referred to Atlantic County Health Dept on 6/1/00
0109304	MANOR WOODS	12/31/199	Lead	0.023	R	-	Referred to Atlantic County Health Dept on 6/1/00
0110320	AMERICAN GALVANIZING CO	12/31/199	Lead	0.03215	R	-	Referred to Atlantic County Health Dept on 6/1/00
0111370	BETHEL CHRISTIAN SCHOOL	06/30/199	Copper	1.81	I	RTC 3/1/00	System installed and treatment passed first half 2000 testing
0111393	POMONA PLAZA	12/31/199	Copper	3.857	-	RTC 1/1/00	System passed first half 2000 testing; will do second half testing
0111398	N.J. BELL-GALLOWAY DSC (12/31/199	Copper	6.39	R	-	Referred to Atlantic County Health Dept for enforcement
0111421	CHILDRENS EXPRESS DAYCAR	06/30/199	Lead	0.027	R	-	Referred to Atlantic County Health Dept for enforcement
0111421	CHILDRENS EXPRESS DAYCAR	12/31/199	Lead	0.0819	R	-	Referred to Atlantic County Health Dept for enforcement

<i>PWID</i>	<i>System Name</i>	<i>Violation Date</i>	<i>Contaminant Name</i>	<i>Concentration*</i>	<i>Treatment Status**</i>	<i>Compliance Status***</i>	<i>Comments</i>
0111431	LEEDS POINT SHOPPES A & B	06/30/199	Copper	5.4	R	-	Referred to Atlantic County Health Dept for enforcement
0111431	LEEDS POINT SHOPPES A & B	12/31/199	Copper	7.455	R	-	Referred to Atlantic County Health Dept for enforcement
0111431	LEEDS POINT SHOPPES A & B	12/31/199	Lead	0.0168	R	-	Referred to Atlantic County Health Dept for enforcement
0111432	LEEDS POINT SHOPPES A	12/31/199	Copper	6.795	R	-	Referred to Atlantic County Health Dept for enforcement
0111432	LEEDS POINT SHOPPES A	12/31/199	Lead	0.02275	R	-	Referred to Atlantic County Health Dept for enforcement
0112348	BARRETT ASPHALT CORP-#2	06/30/199	Copper	4.33	R	-	Referred to Atlantic County Health Dept for enforcement
0112348	BARRETT ASPHALT CORP-#2	06/30/199	Lead	0.037	R	-	Referred to Atlantic County Health Dept for enforcement
0113337	KESSLER DIALYSIS UNIT	06/30/199	Lead	0.048	R	-	Referred to Atlantic County Health Dept for enforcement
0113337	KESSLER DIALYSIS UNIT	12/31/199	Lead	0.129	R	-	Referred to Atlantic County Health Dept for enforcement
0113338	CUSTOM SALES & SERVICE	06/30/199	Copper	2.215	R	-	Referred to Atlantic County Health Dept for enforcement
0113363	PATRIOT MANUFACTURING (BLDG 4)	12/31/199	Copper	1.52	R	-	Referred to Atlantic County Health Dept for enforcement
0117301	MULLICA HEADSTART	06/30/199	Copper	6.61	-	-	System inactive 7/22/99
0117301	MULLICA HEADSTART	06/30/199	Lead	0.10731	-	-	System inactive 7/22/99
0123300	WEYMOUTH ELEM SCHOOL	12/31/199	Copper	1.94	R	-	Referred to Atlantic County Health Dept for enforcement
0306306	NATIONAL GYPSUM (GOLD BOND)	12/31/199	Copper	3.1	R	-	Referred to Atlantic County Health Dept for enforcement
0320310	LEXINGTON BUILDING-PROF.	12/31/199	Copper	1.8	R	-	Referred to Atlantic County Health Dept for enforcement
0332322	MAC-N-TOTS NURSERY	06/30/199	Copper	2.57	R	-	Referred to Atlantic County Health Dept for enforcement

<i>PWID</i>	<i>System Name</i>	<i>Violation Date</i>	<i>Contaminant Name</i>	<i>Concentration *</i>	<i>Treatment Status **</i>	<i>Compliance Status ***</i>	<i>Comments</i>
0336321	GREEN BANK ELEMENTARY SC	06/30/199	Copper	2.955	R	-	Referred to Atlantic County Health Dept for enforcement
0406306	N.J. BELL-BERLIN WORK CE	06/30/199	Lead	0.0447	R	-	Inactive as of 6/5/00; hooked up to community water system
0435375	WATERFORD ELEMENTARY	12/31/199	Lead	0.0195	R	-	Letter sent on 11/23/99
0435381	MUNICIPAL BUILDING	12/31/199	Copper	1.88	R	-	Letter sent on 3/4/99
0436353	U.S. COMPONENTS	12/31/199	Copper	4.3	R	-	Letter sent on 2/24/00
0436353	U.S. COMPONENTS	12/31/199	Lead	0.42	R	-	Letter sent on 2/24/00
0436357	WINSLOW PROFESSIONAL CTR	12/31/199	Lead	0.0748	R	-	Letter sent on 2/24/00
0504348	SEASHORE LINE CAMPER RES	12/31/199	Copper	1.85	R	-	Public notice on 11/23/99
0504348	SEASHORE LINE CAMPER RES	12/31/199	Lead	0.115	R	-	Public notice on 11/23/99
0511337	TRINITY METHODIST NURSER	06/30/199	Copper	5.79	-	-	Inactive system
0511337	TRINITY METHODIST NURSER	06/30/199	Lead	0.01755	-	-	Inactive system
0511348	CEDAR SQUARE LIMITED	06/30/199	Copper	1.943	R	-	Public notice on 3/2/99
0511348	CEDAR SQUARE LIMITED	12/31/199	Copper	2.61	R	-	Public notice on 3/2/99
0601302	BRIDGETON SCHOOL	12/31/199	Copper	11.5	I	-	Neutralizer installed 3/23/00
0602301	HALEYVILLE MAURICETOWN SCHOOL	12/31/199	Lead	0.0265	R	-	Public notice 12/3/99
0603303	DEERFIELD ELEMENTARY SCH	12/31/199	Lead	0.0175	R	-	Public notice 11/29/00
0604302	DOWNE TWP PRIMARY SCHOOL	12/31/199	Lead	0.025	R	-	Public notice 12/3/99

<i>PVID</i>	<i>System Name</i>	<i>Violation Date</i>	<i>Contaminant Name</i>	<i>Concentration*</i>	<i>Treatment Status**</i>	<i>Compliance Status***</i>	<i>Comments</i>
0605301	FAIRFIELD TWP INTERMEDIA	12/31/199	Copper	1.85	I	-	Treatment installed 7/9/99; followup sampling requested
0605309	FAIRFIELD TWP PRIMARY SCHOOL	06/30/199	Copper	2	I	-	Treatment installed 7/9/99; followup sampling requested
0607302	HOPEWELL CREST SCHOOL	06/30/199	Copper	2.6	I	-	Treatment installed 8/27/00; followup samplin requested
0607302	HOPEWELL CREST SCHOOL	12/31/199	Copper	5.3	I	-	Treatment installed 8/27/99; followup samplin requested
0607311	DEVEROUX FOUNDATION	06/30/199	Copper	7.85	E	-	Trtmnt installed 5/29/97; system malfunctioned; followup sampling requested
0607311	DEVEROUX FOUNDATION	12/31/199	Copper	6.25	E	-	Trtmnt installed 5/29/97; system malfunctioned; followup sampling requested
0608300	MYRON POWELL SCHOOL	12/31/199	Copper	6	R	-	Public notice 2/24/00
0610301	CUMBERLAND CO GUIDANCE C	06/30/199	Copper	1.9	R	RTC	RTC 2nd half of 99
0610301	CUMBERLAND CO GUIDANCE C	06/30/199	Lead	0.02	R	RTC	RTC 2nd half of 99
0611300	SHILOH ELEMENTARY SCHOOL	12/31/199	Copper	6.2	R	-	Public notice 1/4/00
0611300	SHILOH ELEMENTARY SCHOOL	12/31/199	Lead	0.0365	R	-	Public notice 1/4/00
0612300	STOW CREEK ELEM. SCHOOL	12/31/199	Lead	0.0905	R	-	Public notice 1/4/00
0614321	EAST VINELAND SCHOOL	06/30/199	Copper	3.1	R	-	Public notice 1/4/00
0614321	EAST VINELAND SCHOOL	12/31/199	Copper	3.2	R	-	Public notice 1/4/00
0614321	EAST VINELAND SCHOOL	12/31/199	Lead	0.022	R	-	Public notice 1/4/00
0614344	SENIOR CARE OF VINELAND	06/30/199	Copper	1.4	R	-	Public notice 7/21/99
0804309	AURA SCHOOL	12/31/199	Copper	2.455	N	RTC 1/00	Letter sent on 11/22/99

<i>PWID</i>	<i>System Name</i>	<i>Violation Date</i>	<i>Contaminant Name</i>	<i>Concentration*</i>	<i>Treatment Status**</i>	<i>Compliance Status***</i>	<i>Comments</i>
0804321	AURA BADGE CO	12/31/199	Copper	6.11	R	-	Letter sent on 9/15/99
0805303	REUTTER SCHOOL	06/30/199	Copper	1.75	N	RTC 2/99	
0805304	LAKE ROAD SCHOOL	06/30/199	Copper	2	N	-	Letter sent on 8/20/99
0805304	LAKE ROAD SCHOOL	06/30/199	Lead	0.039	N	-	Letter sent on 8/20/99
0805342	FRANKLINVILLE ADULT TRAINING	06/30/199	Lead	0.02085	R	-	Public notice 6/28/00; letter sent on 5/20/99
0805342	FRANKLINVILLE ADULT TRAINING	12/31/199	Copper	1.393	R	-	Public notice 6/28/99; public notice 5/20/99
0818429	CLASSIC TOYOTA	06/30/199	Copper	2.72	U	-	
0818430	CHRIS KOCH FORD/HYUNDAI	06/30/199	Copper	13.35	U	-	
0818430	CHRIS KOCH FORD/HYUNDAI	06/30/199	Lead	0.0216	U	-	
0820301	COASTAL EAGLE POINT OIL	12/31/199	Lead	0.0469	N	-	Letter sent on 2/25/00; provide bottled water
1001308	ALEXANDRIA MIDDLE SCHOOL	12/31/199	Copper	1.55	-	-	Referred to Hunterdon County Health Dept for action
1006357	GEBHARDT & KIEFER LAW OF	12/31/199	Copper	1.425	-	-	Referred to Hunterdon County Health Dept for action
1019309	HUNTERDON LEARNING CENTE	12/31/199	Copper	4.5	-	-	Referred to Hunterdon County Health Dept for action
1019329	MULLER TOYOTA	12/31/199	Copper	1.9	-	-	Referred to Hunterdon County Health Dept for action
1019329	MULLER TOYOTA	12/31/199	Lead	0.052	-	-	Referred to Hunterdon County Health Dept for action
1021309	US BRONZE POWDERS	06/30/199	Copper	1.5045	-	-	Referred to Hunterdon County Health Dept for action
1021363	HUNTERDON CARE CENTER	06/30/199	Lead	0.01685	-	-	Referred to Hunterdon County Health Dept for action

<i>PWID</i>	<i>System Name</i>	<i>Violation Date</i>	<i>Contaminant Name</i>	<i>Concentration*</i>	<i>Treatment Status**</i>	<i>Compliance Status***</i>	<i>Comments</i>
1022366	FIDLERS ELBOW GOLF COURSE	12/31/199	Copper	1.5	-	-	Referred to Hunterdon County Health Dept for action
1022366	FIDLERS ELBOW GOLF COURSE	12/31/199	Lead	0.03	-	-	Referred to Hunterdon County Health Dept for action
1024301	OLD TURNPIKE SCHOOL	12/31/199	Copper	1.4	-	-	Referred to Hunterdon County Health Dept for action
1024310	WEE CARE DAYCARE	12/31/199	Copper	1.7	-	-	Referred to Hunterdon County Health Dept for action
1202302	MACK PROPERTIES #12	12/31/199	Lead	0.023	R	-	Public notice
1213316	COUNTRY VIEW REST HOME	12/31/199	Lead	0.044	R	-	Public notice
1217300	HARRIS STRUCTURAL STL CO	12/31/199	Lead	0.407	R	-	Public notice
1319440	WONDERLAND PRESCHOOL	06/30/199	Lead	0.025	-	-	Letter sent 7/21/99; Monmouth County Health Dept will check
1326360	WESTERN MONMOUTH UTIL AU	12/31/199	Lead	0.027	I	-	Limes for pH. Sampling again.
1328300	COLLIER SCHOOL	06/30/199	Lead	0.033	-	-	Letter sent 1/7/00, six xamples collected in 2000; Co Health Dept inspected 4/00
1332301	MILLSTONE MIDDLE SCHOOL	12/31/199	Copper	1.46	I	-	Letter sent 2/23/00; calcite filter installed but broke, repair by 3/00
1406307	CHESTER PROF. BLDG	12/31/199	Copper	2.525	R	-	Routine monitoring letter sent 7/00
1406307	CHESTER PROF. BLDG	12/31/199	Lead	0.0215	R	-	Routine monitoring letter sent 7/00
1407313	CESHIRE BLDG	06/30/199	Copper	1.85	R	-	Routine monitoring letter sent 7/00
1407327	THE DOGWOOD SCHOOL	12/31/199	Copper	3.6	R	-	Routine monitoring letter sent 7/00
1414301	ELLEN T BRIGGS SCHOOL	06/30/199	Copper	1.65	R	-	Routine monitoring letter sent 7/00
1414301	ELLEN T BRIGGS SCHOOL	06/30/199	Lead	0.309	R	-	Routine monitoring letter sent 7/00

<i>PWTD</i>	<i>System Name</i>	<i>Violation Date</i>	<i>Contaminant Name</i>	<i>Concentration*</i>	<i>Treatment Status**</i>	<i>Compliance Status***</i>	<i>Comments</i>
1414401	JEFFERSON HIGH & MIDDLE	12/31/199	Lead	0.016	R	-	Routine monitoring letter sent 7/00
1427310	LAKEVIEW PLAZA	12/31/199	Copper	1.73	R	-	Routine monitoring letter sent 7/00
1432336	WESTINGHOUSE ELE/SCHINDLE 2&3	06/30/199	Copper	1.57	R	-	Routine monitoring letter sent 7/00
1436362	ROXBURY CORPORATE CENTER	12/31/199	Lead	0.024	R	-	Routine monitoring letter sent 7/00
1436363	PRC CORPORATION #1	12/31/199	Copper	2	R	-	Routine monitoring letter sent 7/00
1436364	PRC CORPORATION BLDG. #2	12/31/199	Copper	2.21	R	-	Routine monitoring letter sent 7/00
1505306	JERSEY CENTRAL POWER AND	12/31/199	Copper	3	E	-	Exceedence letter sent 1/10/00
1518301	WHITING ELEMENTARY SCHOO	12/31/199	Copper	1.41	E	-	Exceedence letter sent 1/10/00
1611319	ST. CATHERINE'S OF BOLOG	12/31/199	Lead	0.017	-	-	Notice of Viol sent 11/30/99; referred to count on 4/27/00
1611320	DARET INC. WELL #1	06/30/199	Lead	0.059	-	-	Ongoing violation from 2nd qtr 1998
1615324	MAPLE ROAD SCHOOL	06/30/199	Lead	0.067	-	RTC 9/11/99	
1615328	W.MILFORD BD. OF ED. TRAN	12/31/199	Lead	0.366	-	-	Notice of Violation letter sent 8/24/00
1615333	ST. JOSEPH'S SCHOOL	06/30/199	Copper	2.19	-	RTC 7/1/99	
1615333	ST. JOSEPH'S SCHOOL	06/30/199	Lead	0.085	-	RTC 7/1/99	
1615353	ESCO PRODUCTS	12/31/199	Lead	0.097	I	-	
1703306	ELSINBORO SCHOOL	12/31/199	Copper	2.95	I	-	Passed first half 2000
1705306	REMSTERVILLE LEARNING CT	06/30/199	Copper	4.7	-	RTC 12/31/99	Passed next round (2nd half 1999) sampling

<i>PWID</i>	<i>System Name</i>	<i>Violation Date</i>	<i>Contaminant Name</i>	<i>Concentration*</i>	<i>Treatment Status**</i>	<i>Compliance Status***</i>	<i>Comments</i>
1710328	EATMORE MARKET, INC	12/31/199	Copper	1.65	-	-	First time exceedence; sampling first half 200
1808341	PILLAR OF FIRE-ALMA WHIT	12/31/199	Copper	1.48	R	-	Referred to Somerset County Health Dept
1905330	ROSS CORNER PROPERTIES	12/31/199	Lead	0.0735	R	-	Had been ok; futher monitoring needed
1910302	CAMP AUXILIUM	12/31/199	Copper	1.52	R	-	Remains unresolved
1924303	BEN FRANKLIN WELL	06/30/199	Lead	0.1145	R	-	Remains unresolved
1924303	BEN FRANKLIN WELL	12/31/199	Lead	0.0285	R	-	Remains unresolved
1924318	CLIFTON E LAWRENCE SCHOO	12/31/199	Lead	0.0183	R	-	Remains unresolved
2101304	ALLAMUCHY BD OF ED	12/31/199	Lead	0.04	-	-	Inactive
2106309	JAMES ALEXANDER CORP.	06/30/199	Lead	0.054	-	-	Change water fountain & resample
2106309	JAMES ALEXANDER CORP.	12/31/199	Lead	0.02	-	-	Change water fountain & resample
2119302	INGERSOLL-DRESSER PUMP CO	12/31/199	Copper	2.14	I	-	Will modify the CCT

<i>PWTD</i>	<i>System Name</i>	<i>Violation Date</i>	<i>Contaminant Name</i>	<i>Concentration*</i>	<i>Treatment Status**</i>	<i>Compliance Status***</i>	<i>Comments</i>
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KEY

* All lead and copper concentrations are reported in parts per million (ppm).

** Treatment Status: N=Not required, R=Required but not installed, I=Installed, E=Existing, U=Under Construction.

*** Compliance Status: RTC=Returned to Compliance.