

SAFE DRINKING WATER ACT VIOLATIONS 2000

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

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Introduction

This is New Jersey's fifth 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. Each subsequent report covered the following calendar year. This fifth report covers the period January 1, 2000, to December 31, 2000. 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 (page 39).

In New Jersey, copies of this full report for the period January 1, 2000, through December 31, 2000, 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/violations2000.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/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 2000, New Jersey listed 4,249 public water systems in its inventory. These included 606 community water systems, 936 nontransient noncommunity water systems and 2707 transient noncommunity water systems. The number of systems constantly changes due to mergers, opening and closing of businesses, hookups with community water systems or changes in use that results in fewer than 25 people being served.

The following table shows the changes in number of public water systems since 1996:

Table 1 - Public Water Systems in New Jersey

Year	Community Water Systems	Nontransient Noncommunity Water Systems	Transient Noncommunity Water Systems	Total
2000	606	936	2707	4249
1999	616	968	2839	4423
1998	615	962	2887	4464
1997	612	1034	3066	4712
1996	612	1038	3090	4740

Maximum Contaminant Level

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).

New Jersey laws also 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 with New Jersey MCLs that are more stringent than the federal MCLs. These are listed in Table 2, below:

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

Contaminant	New Jersey MCL (ug/l)	USEPA MCL (ug/l)
Benzene	1	5
Carbon Tetrachloride	2	5
Chlordane	0.5	2
1,2-Dichloroethane	2	5
1,2-Dichloroethylene	2	7
Methylene Chloride	3	5
Monochlorobenzene	50	100
Tetrachloroethylene	1	5
1,2,4-Trichlorobenzene	9	70
1,1,1-Trichloroethane	30	200
1,1,2-Trichloroethane	3	5
Trichloroethylene	1	5
Xylenes	1,000	10,000

In 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.

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

All regulated contaminants and their respective federal and state MCLs are listed in Table 9 on page 21 of this report.

Treatment Techniques

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

Variations and Exemptions

Variations and exemptions to specific requirements under the Safe Drinking Water Act Amendments of 1996 may be granted under certain circumstances. If, due to the characteristics of the raw water sources reasonably available, a PWS cannot meet the MCL, a primacy State can grant the PWS a variance from the applicable primary drinking water regulation on the condition that the system install the best available technology, treatment techniques, or other means which the Administrator finds are available (taking costs into account). The state must find that the variance will not result in an unreasonable risk to health, and shall prescribe, at the time the variance is granted, a schedule (including increments of progress) in accordance with which the PWS must come into compliance with the MCL. Small systems (serving 3,300 or fewer persons; or 10,000 or fewer persons with the Administrator's approval) may be granted variances if they cannot afford (as determined by application of the Administrator's affordability criteria) to comply with certain MCLs (non-microbial, promulgated after January 1, 1986) by means of treatment, alternative source of water, or restructuring or consolidation. Small systems must, within 3 years, install and operate USEPA approved small system variance technology. The variance must ensure adequate protection of human health, and the variance shall be reviewed not less than every 5 years to determine whether the system remains eligible for the variance. A primacy State may by exemption relieve a PWS of its obligation to comply with an MCL, treatment technique, or both if the system's noncompliance results from compelling factors (which may include economic factors, the system was in operation on the effective date of the MCL or treatment technique requirement) or if not in operation by that date, only if no reasonable alternative source of drinking water is available to such new systems, management or

restructuring changes cannot reasonably be made that will result in compliance with the Safe Drinking Water Act or improvement of water quality, and the exemption will not result in an unreasonable risk to public health. The State will require the PWS to comply with the MCL or treatment technique as expeditiously as practicable, but not later than 3 years after the otherwise applicable compliance date.

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/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).

It is important to note that monitoring and reporting violations are generated for this report before all the violations have been verified. New Jersey's experience is that the actual number of verified monitoring and reporting violations will be significantly less than shown in the charts accompanying this report. Many of the violations will be deleted because subsequent information received will confirm that the water system was deactivated during the period the violations occurred or the sampling was indeed performed and the data is resubmitted.

Significant Consumer Notification Violations

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

Additional Monitoring in New Jersey

Radiological

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

NJDEP has taken several steps to protect public health. The first step is requiring the analysis of drinking water samples for gross alpha particle activity within 48 hours instead of up to a year after collection. If the samples are analyzed quickly, increased gross alpha particle activity is detected that would not normally be detected because of the short half life of radium 224. The second is that the New Jersey Drinking Water Quality Institute has been convened to address the issue of MCL setting for radium 224. The third is that in 2000, NJDEP began a program to sample all nontransient noncommunity water systems in the State, at State expense. As of October 2001, approximately two-thirds of all nontransient noncommunity systems have been sampled. If gross alpha particle activity is detected at a concentration greater than 5 pCi/l, the sample is analyzed for radium 226/228. If gross alpha particle activity is detected at a concentration greater than 15 pCi/l, a second sample is collected to confirm the elevated gross alpha particle activity. If elevated gross alpha particle activity (greater than 15 pCi/l) is confirmed or if combined radium 226/228 exceeds 5 pCi/l, an MCL letter is issued and the nontransient noncommunity system is advised they have one year to come into compliance.

Volatile Organic Chemicals and Synthetic Organic Chemicals

Transient noncommunity water systems are not required by federal law to sample for volatile organic chemicals or synthetic organic chemicals. However, a number of transient noncommunity water systems in New Jersey submit results of volatile organic chemical or synthetic organic chemical sampling to NJDEP's Bureau of Safe Drinking Water. These systems generally fall into one of two categories: either they have initiated sampling on their own or, more commonly, the transient noncommunity system was sampled as part of an investigation into a nearby contamination case. In either case, the

results are kept in the same database as the results for other public water systems and if an MCL is exceeded, an MCL violation letter is issued and the transient noncommunity water system is required to come into compliance within one year.

Conclusions

A summary of drinking water MCL violations, treatment technique violations and significant monitoring/reporting (M/R) violations for New Jersey in 2000 is presented in Table 9 (page 21) and Table 10 (page 33). Individual water system MCL and treatment technique violation data for community and noncommunity water systems are presented in Appendices B (page 40) and D (page 48), respectively. Appendix C (page 45) 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 (page 65).

The greatest difference between 1999 and 2000 is the increase in the number of violations of the Total Coliform Rule. While there was a decrease in the number of acute coliform MCL violations from 44 in 1999 to 31 in 2000, there was an increase in the number of non-acute, or monthly coliform MCL violations between 1999 and 2000. There were 181 monthly coliform violations in 1999 and 264 monthly coliform violations in 2000. This is further discussed in the Microbiological Section of this report.

Following is a summary of 2000 violation data based on each contaminant group.

Microbiological

Total Coliform Rule:

Although there was an increase in the number of total coliform violations over both 1998 and 1999, microbiological quality as measured by the total coliform test continues to yield good results for the monitoring performed in 2000. In all, 4.7% (199 out of 4249) public water systems (PWS) had a total coliform MCL violation in 2000. This compares with 1999 when 3.2% (143 systems out of 4,423 total systems) had a total coliform MCL violation and 1998 when 2.4% (106 systems out of 4464 total systems) had a total coliform MCL violation.

The following table shows acute and monthly Total Coliform Rule MCL violations since 1996:

Table 4 - Total Coliform Rule MCL Violations

Year	Number of Total Coliform Rule MCL Violations			Number of Systems with Total Coliform Rule MCL Violations		
	Acute	Monthly	Total	Acute	Monthly	Total
2000	31	264	295	30	198	199
1999	44	181	225	41	141	143
1998	25	113	138	25	105	106
1997	15	122	137	14	95	109
1996	38	134	172	35	112	115

There had been an increase in both acute and monthly violations in 1999, due in part to the effects of Hurricane Floyd in September 1999. The number of acute violations in 2000 has dropped to more typical levels, although it is still not down to pre-1999 levels. The number of monthly violations has risen again since 1999, and risen significantly as compared to 1998. Upon review of its records, NJDEP has determined that just a few labs account for a large portion of the increase in Year 2000 acute and monthly violations as compared to the 1998 violations. NJDEP's Office of Quality Assurance has been notified and will conduct appropriate follow-up such as audits on both sampling procedures and laboratory practices of these laboratories.

A total of 21,957 total coliform test result summary reports were sent to NJDEP in 2000. These test result summary reports summarize the results of between one and several hundred microbiological samples taken from each public water system either monthly or quarterly. Of the total, there were only 295 MCL violations. Therefore, 98.7% of the time that public water systems sampled, the results were within standards.

The following table shows the improving trend in monitoring/reporting violations for the Total Coliform Rule since 1996.

Table 5 - Total Coliform Rule Monitoring/Reporting Violations

Year	Number of Total Coliform Rule Monitoring/Reporting Violations	Number of Systems with Total Coliform Rule Monitoring/Reporting Violations	Percentage of Systems that Missed Sampling at Least Once During the Year	Total Number of Systems
2000	1070	667	16%	4249
1999	1468	859	19%	4423
1998	1736	972	22%	4464
1997	2195	1216	26%	4712
1996	2805	1384	29%	4740

As can be seen in the table above, monitoring compliance for microbial parameters improved this year, continuing the trend of the past few years. Out of 4,249 PWS, 667 PWS (16%) missed sampling at least once during 2000, with a total of 1,070 total coliform test result summary reports missed. This shows an improvement over 1999, when 19% of PWS missed sampling at least once, and a total of 1,478 total coliform test result summary reports were missed. The improvement continues to come from both the continued consolidation of small community systems and increased contact with noncommunity systems as a result of changes initiated by NJDEP's Water Compliance and Enforcement Element in 1999. Those changes included transferring responsibility for the inspection of all State and federal noncommunity water systems from County agencies to NJDEP's Water Compliance and Enforcement Element, 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." In addition, the implementation of a "zero tolerance" enforcement policy for violations on or after July 1, 2000 for noncommunity water systems is beginning to have an effect as CEHA agencies review and evaluate violations on a quarterly basis and take penalty actions for confirmed violations.

Surface Water Treatment Rule:

Compliance with the Surface Water Treatment Rule remains high in 2000, similar to previous year test results. The only unfiltered surface water treatment plant in the state accounted for four of the five treatment technique violations for 2000, similar to 1999 results. The community water system that uses this plant signed a consent agreement to build a new treatment plant that is scheduled to be constructed by December 31, 2003. However, a severe storm event in August 2000 ruptured the pipeline between the source and the water distribution system and unforeseen additional regulatory requirements have necessitated a *force majeure* extension being granted to extend this deadline to a date to be determined.

Organic Chemicals

Volatile Organic Chemicals (VOC) Rule:

Compliance with New Jersey's stringent MCLs for VOCs has improved significantly compared to 1999. Of the 606 community water systems and 936 nontransient noncommunity water systems that monitored for VOCs in 2000, only 3 MCL violations were issued at 3 systems for volatile organic compounds. One community and two nontransient noncommunity systems received those MCL violations. In contrast, one community and 12 nontransient noncommunity water systems each received an MCL violation in 1999.

There was a decrease in VOC monitoring/reporting violations in 2000. A total of 159 community and nontransient noncommunity water systems (80 community and 79 nontransient) had at least one monitoring violation. In 1999 a total of 181 community and nontransient noncommunity systems had at least one VOC monitoring violation. The sum of the monitoring/reporting violations for VOCs in Table 9 (page 21) looks large (10,972) because each missed sample gets counted as 26 separate monitoring/reporting (M/R) violations for each of the 26 regulated compounds 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 2000 were issued monitoring violations. For this 2000 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). By contrast, in 1999, there were 13,676 monitoring/reporting (M/R) violations at 181 systems.

As discussed earlier in this report, NJDEP tracks transient noncommunity systems that submit data and exceed an MCL for a volatile organic compound. One transient noncommunity water system had an MCL violation in 2000. This is reported in Table 10 (page 33) and Appendix G (page 76).

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. Every three years, community and nontransient noncommunity water systems are required to either sample for certain SOCs or obtain a waiver from sampling. The majority of affected public water systems in New Jersey obtain waivers from sampling. As part of this waiver process, every three years the Bureau of Safe Drinking Water collects samples from a select number of wells that serve community and nontransient noncommunity water systems and nearly all surface water bodies that supply water to community and nontransient noncommunity water systems. Surface water samples are taken under both storm conditions and base flow conditions. Raw water samples (before any treatment) are taken from ground water systems when possible. If significant detections are found in the raw water samples, a second round is collected that includes a raw water and finished water (point of entry) sample. For the 1999-2001 Compliance Period, 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 in 1999. Data collection began in 2000, and samples were obtained from approximately 100 nontransient noncommunity water systems wells in 2000. Two nontransient noncommunity water systems had SOC MCL violations in 2000. The contaminant in each case was ethylene dibromide (EDB). Samples will be collected from selected community water system wells and surface water locations in 2001.

In addition, one transient noncommunity water system had an MCL violation for ethylene dibromide (EDB) in 2000. This is reported in Table 10 (page 33) and Appendix G (page 76).

Total Trihalomethanes:

One community water system had two consecutive MCL violations for total trihalomethanes in 2000 covering a six month period. However, in 1999 the same community water system had MCL violations but these were reported as one MCL violation when actually the system was in violation for the whole of 1999. An Administrative Order with Penalty was issued to this system on September 29, 2000, because of failure to mitigate the violations within one year.

Monitoring compliance for total trihalomethanes remains very high; there were only 6 monitoring/reporting (M/R) violations for trihalomethanes at 6 community

water systems in 2000, while in 1999, there were only 4 monitoring/reporting (M/R) violations for trihalomethanes at 4 community water systems. In New Jersey, there were 144 systems that were required to sample for total trihalomethanes in 2000. 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 four MCL violations at four community or nontransient noncommunity water systems for inorganic chemicals in 2000, excluding nitrate. All four MCL violations were for mercury. This is a slight improvement over 1999 when there were five MCL violations at five public water systems for inorganic chemicals, excluding nitrate.

The following table shows nitrate MCL violations and monitoring/reporting violations since 1996:

Table 6 - Nitrate MCL and Monitoring/Reporting Violations

Year	Number of Nitrate MCL Violations	Number of Systems with Nitrate MCL Violations	Number of Nitrate Monitoring/Reporting Violations	Number of Systems with Nitrate Monitoring/Reporting Violations
2000	24	19	538	403
1999	29	26	642	540
1998	17	17	696	596
1997	24	19	1258	1035
1996	41	28	1594	1269

The number of nitrate MCL violations remained similar to 1999, and continue to be a problem primarily of noncommunity water systems. In 2000, there was one community water system with a nitrate MCL violation and 23 MCL violations at 18 noncommunity systems. In 1999 and 1998, all the nitrate MCL violations were at noncommunity water systems.

As seen in the above table, the monitoring of noncommunity water systems for nitrate has improved and this trend continued in 2000. Overall, there has been significant improvement since 1996. Similar to improvements in the number of Total Coliform Rule monitoring and reporting violations, we believe this improvement continues to come from both the continued consolidation of small community systems and increased contact with noncommunity systems as a result of changes initiated by NJDEP's Water Compliance and Enforcement Element in

1999. Those changes included transferring responsibility for the inspection of all State and federal noncommunity water systems from County agencies to NJDEP's Water Compliance and Enforcement Element, 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." In addition, the implementation of a "zero tolerance" enforcement policy for violations on or after July 1, 2000 for noncommunity water systems is beginning to have an effect as CEHA agencies review and evaluate violations on a quarterly basis and take penalty actions for confirmed violations.

Asbestos monitoring was not required in 2000. Results in the prior compliance monitoring period (1996-1998) were excellent with no MCL violations and few monitoring/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 2000 there was a slight increase in the number of lead and copper action level violations compared to 1999. In 2000 there were 37 community water systems with 50 lead or copper action level violations, while in 1999 there were 32 community water systems with 36 lead or copper action level violations. In 2000 there were 93 nontransient noncommunity water systems with 130 lead or copper action level violations, while in 1999 there were 96 nontransient noncommunity water systems with 128 lead or copper action level violations.

There was a slight decrease in the number of monitoring/reporting violations for the Lead and Copper Rule in 2000. In 2000 there were 78 monitoring/reporting violations at 25 community and nontransient noncommunity water systems, while in 1999 there were 94 monitoring/reporting violations at 34 community and nontransient noncommunity water systems.

Radiological Rule:

During 2000, 6 community water systems were in violation of the gross alpha standard. No community water systems were in violation of the radium 226/228 standard in 2000. This is similar to 1999, there were five community water systems with a gross alpha MCL violation, and one of those five systems also had a radium 226/228 MCL violation. In 1998 New Jersey implemented an accelerated testing protocol which requires analyzing drinking water samples within 48 hours instead of up to a year after collection. This new testing method detects 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 following table shows the trend of gross alpha and radium 226/228 MCL violations since 1996.

Table 7 - Gross Alpha and Radium 226/228 MCL Violations

Year	Number of Gross Alpha MCL Violations for Community Water Systems	Number of Radium 226/228 MCL Violations for Community Water Systems
2000	6	0
1999	5	1
1998	9	5
1997	1	1
1996	Not a monitoring year for New Jersey	Not a monitoring year for New Jersey

No monitoring/reporting violations were incurred for gross alpha and radium 226/228 testing for 2000 because testing was carried out by the NJDEP personnel during this compliance period in order to ensure the 48 hour analysis time was met. However, for the July 1, 2000-June 30, 2004 Compliance Period, community water systems will again be responsible for testing their systems.

As noted earlier, in 2000 NJDEP began testing nontransient noncommunity water systems for gross alpha activity using the accelerated testing protocol. As of October 30, 2001, approximately two-thirds of all nontransient noncommunity had been tested. For 2000, two nontransient noncommunity water systems exceeded the gross alpha MCL, and those same two systems exceeded the radium 226/228 MCL. This is reported in Table 10 (page 33) and Appendix G (page 76).

Consumer Notification Violations:

One provision of the 1996 amendments to the Federal Safe Drinking Water act requires all community water systems to produce and distribute a Consumer Confidence Report to all customers of the community water systems and the NJDEP. This Consumer Confidence Report contains summary information about each water system including test results from the previous calendar year, along with "plain" language about drinking water in general, any applicable MCL Violation or Action Level exceedence data, and sources of drinking water. The first reports were to be sent to customers by October 19, 1999, containing primarily data from calendar year 1998; all subsequent reports are to be sent to customers by July 1 each year containing previous year test results. Three community water systems received consumer notification violations for the failure to submit a year 2000 Consumer Confidence Report (1999 drinking water test results). This information has been incorporated into Table 9 (page 21). Appendix F (page 75) shows these 3 systems.

Summary:

The most significant public health issue reported in these pages is the increase in the number of total coliform MCL violations. NJDEP is taking steps to determine if part of the problem is caused by sample handling or laboratory contamination. Overall, the Bureau of Safe Drinking Water continues to make progress in addressing MCL, treatment technique and monitoring violations. Table 8a (page 19) shows the total number of violations, by contaminant type, for 2000. For comparison, Table 8b (page 20) shows the total number of violations for 1999. Community water systems in New Jersey have done an excellent job of complying with Consumer Confidence Report requirements, as seen by the fact that there were only three Significant Consumer Notification Violations in 2000. There are several areas that still need improvement, with monitoring/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, and has contracted with New Jersey Water Association to provide technical assistance to systems with MCL or M/R violation problems.

Table 8a
Year 2000 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*	4	4					10,972	159
Total Trihalomethane	2	1					6	6
Inorganic including Radionuclides**	38	29					629	427
Total Coliform Rule	295	199					1,070	667
Surface Water Treatment Rule					5	2	5	3
Lead and Copper Rule			180	130	1	1	78	25
Total	339	321	280	130	6	3	12,760	1,170

* Does not include transient noncommunity systems.

** Does not include nontransient noncommunity systems for radionuclides.

Table 8b
Year 1999 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

* Does not include transient noncommunity systems.

** Does not include nontransient noncommunity systems for radionuclides.

State:	New Jersey
Reporting Interval:	January 1, 2000- December 31, 2000

Table 9
Violations Table
(with SDWIS Codes)

SDWIS Codes		MCL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
	Organic Contaminants								
2981	1,1,1-Trichloroethane	0.2	0.03	0	0			422	159
2977	1,1-Dichloroethylene	0.007	0.002	1	1			422	159
2985	1,1,2-Trichloroethane	0.005	0.003	0	0			422	159
2378	1,2,4-Trichlorobenzene	0.07	0.009	0	0			422	159
2931	1,2-Dibromo-3-chloropropane (DBCP)	0.0002		0	0			0	0
2980	1,2-Dichloroethane	0.005	0.002	0	0			422	159
2983	1,2-Dichloropropane	0.005		0	0			422	159
2063	2,3,7,8-TCDD (Dioxin)	3×10^{-8}		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2110	2,4,5-TP	0.05		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2105	2,4-D	0.07		0	0			0	0
2265	Acrylamide					0	0		

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

State:	New Jersey
Reporting Interval:	January 1, 2000 - December 31, 2000

SDWIS Codes		MCL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
2051	Alachlor	0.002		0	0			0	0
2050	Atrazine	0.003		0	0			0	0
2990	Benzene	0.005	0.001	0	0			422	159
2306	Benzo[a]pyrene	0.002		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2046	Carbofuran	0.04		0	0			0	0
2982	Carbon tetrachloride	0.005	0.002	0	0			422	159
2959	Chlordane	0.002	0.0005	Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2380	Cis-1,2-Dichloroethylene	0.07		0	0			422	159
2031	Dalapon	0.2		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2035	Di(2-ethylhexyl)adipate	0.4		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2039	Di(2-ethylhexyl)phthalate	0.006		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2964	Dichloromethane (methylene chloride)	0.005	0.003	1	1			422	159
2041	Dinoseb	0.007		0	0			0	0

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

State:	New Jersey
Reporting Interval:	January 1, 2000 - December 31, 2000

SDWIS Codes		MCL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
2032	Diquat	0.02		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2033	Endothall	0.1		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2005	Endrin	0.002		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2257	Epichlorohydrin					0	0		
2992	Ethylbenzene	0.7		0	0			422	159
2946	Ethylene dibromide (EDB)	0.00005		2	2			0	0
2034	Glyphosate	0.7		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2065	Heptachlor	0.00004		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2067	Heptachlor epoxide	0.0002		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2274	Hexachlorobenzene	0.001		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver

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

State:	New Jersey
Reporting Interval:	January 1, 2000 - December 31, 2000

SDWIS Codes		MCL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
2042	Hexachlorocyclopentadiene	0.05		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2010	Lindane	0.0002		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2015	Methoxychlor	0.04		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2989	Monochlorobenzene	0.1	0.05	0	0			422	159
2968	o-Dichlorobenzene	0.6		0	0			422	159
2969	Para-Dichlorobenzene	0.075		0	0			422	159
2383	Total polychlorinated biphenyls	0.0005		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2326	Pentachlorophenol	0.001		0	0			0	0
2987	Tetrachloroethylene	0.005	0.001	0	0			422	159
2984	Trichloroethylene	0.005	0.001	0	0			422	159
2996	Styrene	0.1		0	0			422	159
2991	Toluene	1		0	0			422	159
2979	Trans-1,2-Dichloroethylene	0.1		0	0			422	159
2955	Xylenes (total)	10	1	0	0			422	159

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

State:	New Jersey
Reporting Interval:	January 1, 2000 - December 31, 2000

SDWIS Codes		MCL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
2020	Toxaphene	0.003		Statewide waiver	Statewide waiver			422	159
2036	Oxamyl	0.2		0	0			422	159
2040	Picloram	0.5		0	0			422	159
2037	Simazine	0.004		0	0			422	159
2976	Vinyl chloride	0.002		0	0			422	159
2867	Meta-Dichlorobenzene		0.06	0	0			422	159
2978	1,1-Dichloroethane		0.05	0	0			422	159
2251	Methyl tertiary-butyl ether		0.07	1	1			422	159
2248	Napthalene		0.3	0	0			422	159
2988	1,1,2,2-Tetrachloroethane		0.001	0	0			422	159
	Subtotal Organics			5	5			10,972	159

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

State:	New Jersey
Reporting Interval:	January 1, 2000 - December 31, 2000

SDWIS Codes		MCL (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
2950	Total trihalomethanes	0.1		2	1			6	6
	Subtotal total trihalomethanes			2	1			6	6

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

State:	New Jersey
Reporting Interval:	January 1, 2000 - December 31, 2000

SDWIS Codes		MCL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
	Inorganic Contaminants								
1074	Antimony	0.006		0	0			11	5
1005	Arsenic	0.05		1	1			4	4
1094	Asbestos	7 million fibers/l >10 <i>m</i> m/l		0	0			0	0
1010	Barium	2		0	0			3	3
1075	Beryllium	0.004		0	0			3	3
1015	Cadmium	0.005		0	0			13	7
1020	Chromium	0.1		0	0			19	7
1024	Cyanide (as free cyanide)	0.2		0	0			0	0
1025	Fluoride	4.0		0	0			3	3
1035	Mercury	0.002		4	4			7	7
1040	Nitrate	10 (as Nitrogen)		24	19			538	403
1041	Nitrite	1 (as Nitrogen)		0	0			4	4

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

State:	New Jersey
Reporting Interval:	January 1, 2000 - December 31, 2000

SDWIS Codes		MCL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
1045	Selenium	0.05		0	0			6	4
1085	Thallium	0.002		0	0			18	8
1038	Total nitrate and nitrite	10 (as Nitrogen)		See SDWIS code 1040	See SDWIS code 1040			See SDWIS code 1040	See SDWIS code 1040
	Radionuclide MCLs								
4000	Gross alpha	15 pCi/l		5	5			0	0
4010	Radium-226 and -228	5 pCi/l		0	0			0	0
4101	Gross beta	4 mrem/yr		0	0			0	0
	Subtotal inorganics plus radionuclides			34	29			629	427

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

State:	New Jersey
Reporting Interval:	January 1, 2000 - December 31, 2000

SDWIS Codes		MCL		MCLs Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
	Total Coliform Rule								
21	Acute MCL Violation	Presence		31	30				
22	Non-acute (monthly) MCL violation	Presence		264	198				
23, 25	Major routine and follow up monitoring							1070	667
28	Sanitary survey*							0	0
	Subtotal Total Coliform Rule			295	199			1070	667

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

State:	New Jersey
Reporting Interval:	January 1, 2000 - December 31, 2000

SDWIS Codes		MCL		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
	Surface Water Treatment Rule								
	Filtered systems								
36	Monitoring, routine/repeat							5	3
41	Treatment techniques					5	2		
	Unfiltered systems								
31	Monitoring, routine/repeat							0	0
42	Failure to filter					0	0		
	Subtotal Surface Water Treatment Rule					5	2	5	3

State:	New Jersey
Reporting Interval:	January 1, 2000 - December 31, 2000

SDWIS Codes		MCL		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
	Lead and Copper Rule								
51	Initial lead and copper tap M/R							78	25
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 and Copper Rule					0	0	78	25

State:	New Jersey
Reporting Interval:	January 1, 2000 - December 31, 2000

SDWIS Codes		MCL		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
	Consumer Confidence Reporting								
71	Significant Consumer Notification Violations							3	3

State:	New Jersey
Reporting Interval:	January 1, 2000 - December 31, 2000

**Table 10 -Additional Monitoring in New Jersey
Violations Table
(with SDWIS Codes)**

SDWIS Codes		MCL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
	Organic Contaminants for transient noncommunity water systems								
2946	Ethylene dibromide (EDB)	0.00005		1	1				
2984	Trichloroethylene	0.005	0.002	1	1				
	Radionuclide MCLs for nontransient noncommunity water systems								
4000	Gross alpha	15 pCi/l		2	2				
4010	Radium-226 and -228	5 pCi/l		2	2				

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

Definitions for Violations Tables 9 and 10

The following definitions apply to the Summary of Violations table.

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

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

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

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/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.

Appendix A

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

(A) ANNUAL REPORT BY STATE

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

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

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

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

Appendix B: Community Water System 2000 MCL and Treatment Technique Violations New Jersey Department of Environmental Protection

PWID	System Name	Fac #	Violation Date	Contaminant Name	Treatment Status*	Compliance Status**	Comments
0108006	TOWER MOBILE HOMES SYSTEM #1		1/1/00	Mercury			On quarterly monitoring. Concentration 0.007 mg/l.
0108012	STEEPLECHASE VIL. SYS. 2	02	1/1/00	Mercury	N	RTC 03-30-2001	Concentration 0.007 mg/l.
0108017	TOWER MOBILE HOMES SYSTEM #3		1/1/00	Mercury			Concentration 0.006 mg/l. New well installed.
0303001	BORDENTOWN WATER DEPARTMENT		10/12/00	Gross Alpha Particle Activity	R		On Quarterly Monitoring. Concentration 17 pCi/l.
0311001	FENIMORE TRAILER PARK		2/1/00	Coliform	N	RTC 03-31-2000	Monthly Violation
0314001	FIELDSBORO WATER DEPARTMENT		10/12/00	Gross Alpha Particle Activity	R		Concentration 18.4 pCi/l. On quarterly monitoring.
0315001	FLORENCE TWP. WATER DEPARTMENT		10/12/00	Gross Alpha Particle Activity	R		Concentration 16.25 pCi/l. On quarterly monitoring.
0326002	DEEP WELL TERRACE		7/1/00	Coliform	N	RTC 10-31-2000	Monthly violation
0326002	DEEP WELL TERRACE		9/1/00	Coliform	N	RTC 10-31- 2000	Monthly violation
0415002	CONSUMERS NJ - BLACKWOOD		4/11/00	MTBE			Concentration 0.392 mg/l. Well was taken out of service immediately.
0502001	CAPE MAY WATER & SEWER UTIL		2/1/00	Coliform		RTC 04-01-2000	Monthly violation

PWID	System Name	Fac #	Violation Date	Contaminant Name	Treatment Status*	Compliance Status**	Comments
0510001	STONE HARBOR WATER DEPARTMENT		11/1/00	Coliform	E	RTC 12-2000	Monthly violation, packed tower aeration
0510001	STONE HARBOR WATER DEPARTMENT		7/1/00	Coliform		RTC 08-01-2000	Monthly violation
0715001	NORTH CALDWELL WATER DEPT		9/1/00	Coliform	N	RTC 10-01-2000	Monthly violation; Public notice issued 10-12-2000
0807001	GREENWICH TWP W DEPT		3/1/00	Gross Alpha Particle Activity	R	PN 03-13-2000	Concentration 27.3 pCi/l.
0809001	PENNS GROVE WATER SUPPLY		9/25/00	Gross Alpha Particle Activity			Concentration 19.8 pCi/l. On quarterly monitoring.
0815001	PITMAN WATER DEPARTMENT		1/1/00	Coliform		RTC 02-2000	Monthly violation
0815001	PITMAN WATER DEPARTMENT		5/1/00	Coliform		RTC 06-2000	Monthly violation
0904001	HARRISON W DEPT		8/1/00	Coliform	N	RTC 09-01-2000	Monthly violation; Public notice issued 9-6-2000
1019001	BUNNVALE W SYSTEM INC		6/1/00	Coliform	N	RTC 08-01-2000	Monthly violation
1019001	BUNNVALE W SYSTEM INC		2/1/00	Coliform	N	RTC 03-01-2000	Monthly violation
1019001	BUNNVALE W SYSTEM INC		2/1/00	Coliform	N	RTC 03-01-2000	Acute violation
1019003	CAMELOT AT SPRUCE RIDGE		7/1/00	Coliform	N	RTC 08-01-2000	Monthly violation
1107002	LAWRENCEVILLE W CO		2/1/00	Coliform	E	RTC 03-31-2001	Monthly violation
1206001	HELMETTA W DEPT		5/1/00	Coliform		RTC 06-01-2000	Monthly violation

PWID	System Name	Fac #	Violation Date	Contaminant Name	Treatment Status*	Compliance Status**	Comments
1215001	NORTH BRUNSWICK W DEPT	01	12/1/00	Turbidity	E	RTC 12-26-2000	
1329001	MATAWAN WATER DEPARTMENT		8/1/00	Coliform	E	RTC 09-30-2000	Monthly violation
1330002	ABERDEEN TWP WATER DEPT		8/1/00	Coliform	E	RTC 09-30-2000	Monthly violation
1409001	DOVER WATER DEPARTMENT		5/1/00	Coliform	I	RTC 09-30-2000	Monthly violation; Increase chlorine residual
1409001	DOVER WATER DEPARTMENT		7/1/00	Coliform	I	RTC 09-30-2000	Monthly violation; Increase chlorine residual
1409001	DOVER WATER DEPARTMENT		8/1/00	Coliform	I	RTC 09-30-2000	Monthly violation; Increase chlorine residual
1414008	OAK RIDGE MOBILE HOME PARK		5/1/00	Coliform	U	RTC 06-2000	Monthly violation; Temporary approval for chlorine disinfection was sent on 06-07-2001
1414008	OAK RIDGE MOBILE HOME PARK		12/1/00	Coliform	U	RTC 01-2001	Monthly violation; Temporary approval for chlorine disinfection was sent on 06-07-2001
1414008	OAK RIDGE MOBILE HOME PARK		11/1/00	Coliform	U	RTC 01-2001	Monthly violation; Temp approval for chlorine disinfection was sent on 06-07-2001
1427010	NJ VASA HOME WATER SYS	02	10/1/00	Nitrate	N		Public notice issued; MCL Violation Letter sent on 06-11-2001. Concentration 10.7 mg/l.
1427010	NJ VASA HOME WATER SYS		12/1/00	Coliform	I	RTC 01-2001	Monthly violation; Increased chlorine residual
1439001	WHARTON WATER DEPT		9/1/00	Coliform	I	RTC 06-16-01	Monthly violation; Increased chlorine residual
1511001	JACKSON TWP MUA		7/1/00	Coliform		RTC 08-31-2000	Monthly violation
1511005	OAK TREE MOBILE HOME PARK		7/1/00	Coliform		RTC 08-31-2000	Monthly Violation

PWID	System Name	Fac #	Violation Date	Contaminant Name	Treatment Status*	Compliance Status**	Comments
1514002	LAKEWOOD TWP MUA		6/1/00	Coliform		RTC 07-31-2000	Monthly Violation
1603001	HALEDON WATER DEPT	01	7/1/00	Total trihalomethanes		RTC 2-13-2001	Running annual average 0.1072 mg/l.
1603001	HALEDON WATER DEPT	01	10/1/00	Total trihalomethanes		RTC 2-13-2001	Running annual average 0.10699 mg/l. Chloramination treatment installed in early 2001 but not operational
1611002	RINGWOOD WATER DEPT		8/1/00	Coliform		RTC 09-01-2000	Monthly violation
1613001	N.J.D.W.S.C. WANAQUE NO.	01		Lead/Copper			ACO requires corrosion control treatment by 9/30/01
1613002	WANAQUE W DEPT.		8/1/00	Coliform		RTC 09-01-2000	Monthly violation
1713001	HANDY'S MOBILE PARK		7/1/00	Coliform		RTC 08-2000	Monthly violation
1713001	HANDY'S MOBILE PARK		7/1/00	Coliform		RTC 08-2000	Acute violation
1902004	ANDOVER WATER CORP		1/1/00	Coliform	N	RTC 02-28-2000	Monthly violation
1904008	WILLOR MANOR WATER CO		2/1/00	Coliform	N	RTC 11-30-2000	Monthly violation
1904008	WILLOR MANOR WATER CO		9/1/00	Coliform	N	RTC 03-31-2000	Monthly violation
1915001	NEWTON WATER & SEWER UTIL		5/1/00	Coliform	I	RTC 07-31-2000	Monthly violation
1915001	NEWTON WATER & SEWER UTIL	01	2/1/00	Turbidity	R	PN	ACO of 8/25/97 requires remedy by 11-30-2003
1915001	NEWTON WATER & SEWER UTIL		6/1/00	Coliform	I	RTC 07-31-2000	Monthly violation

PWID	System Name	Fac #	Violation Date	Contaminant Name	Treatment Status*	Compliance Status**	Comments
1915001	NEWTON WATER & SEWER UTIL	01	6/1/00	Turbidity	R	PN	ACO of 8/25/97 requires remedy by 11-30-2003
1915001	NEWTON WATER & SEWER UTIL	01	5/1/00	Turbidity	R	PN	ACO of 8/25/97 requires remedy by 11-30-2003
1915001	NEWTON WATER & SEWER UTIL	01	4/1/00	Turbidity	R	PN	ACO of 8/25/97 requires remedy by 11-30-2003
1922015	WALNUT HILLS W C OWN ASSOC INC		6/1/00	Coliform	N	RTC 07-31-2000	Acute violation
1922015	WALNUT HILLS W C OWN ASSOC INC		6/1/00	Coliform	N	RTC 07-31-2000	Monthly violation
1922015	WALNUT HILLS W C OWN ASSOC INC		1/1/00	Coliform	N	RTC 02-28-2000	Monthly violation
1922015	WALNUT HILLS W C OWN ASSOC INC		1/1/00	Coliform	N	RTC 02-28-2000	Acute violation
1924003	REGENCY AT SUSSEX ASSOCIATION		10/1/00	Coliform	I	RTC 11-30-2000	Monthly violation
2021001	WINFIELD MUTUAL HOUSING		11/1/00	Coliform			Monthly violation
2116002	HAPPY HILL MOBILE HOME PARK			Gross Alpha Particle Activity			

KEY TO APPENDIX B:

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

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

Appendix C: Community Water System 2000 Action Level Violations New Jersey Department of Environmental Protection

PWID	System Name	Violation Date	Contaminant Name	Concentration (mg/l)*	Treatment Status**	Compliance Status***	Comments
0108011	KARL LE MOBILE MANOR	6/30/00	Lead	0.57775			Inactive system, connected to larger CWS 06-2001
0108011	KARL LE MOBILE MANOR	12/31/00	Lead	0.0175			Inactive system, connected to larger CWS 06-2001
0108015	KARL LE MANOR SYS 2	6/30/00	Lead	0.0224			Inactive System, Connected to CWS 06-2001
0123002	THE OAKS OF WEYMOUTH	12/31/00	Lead	0.033	E	Public notice 01-17-2001	
0233001	MAHWAH WATER DEPARTMENT	12/31/00	Lead	0.02		Public notice 11-29-2000	Public Education Completed 12-29-2000
0251001	RIDGEWOOD WATER DEPT	6/30/00	Lead	0.017	R	Public notice requested 01-18-2001	Public Education Completed 03-20-2001 Pending Enforcement Action
0251001	RIDGEWOOD WATER DEPT	12/31/00	Lead	0.017	R	NOV 01-18-2001	Public Education Completed 03-20-2001 Pending Enforcement Action
0303001	BORDENTOWN WATER DEPARTM	12/31/00	Lead	0.0186	R		Unresolved at this time
0326002	DEEP WELL TERRACE	12/31/00	Lead	0.042	R		Unresolved at this time
0328001	PEMBERTON BOROUGH WATER	12/31/00	Lead	0.0233	R		Unresolved at this time

PWID	System Name	Violation Date	Contaminant Name	Concentration (mg/l)*	Treatment Status**	Compliance Status***	Comments
0405001	BERLIN WATER DEPARTMENT	12/31/00	Lead	0.03	I		Temporary Treatment provided (Klenphos 300)
0410001	TOWN & COUNTRY MOBIL HOME PARK	6/30/00	Lead	0.027	E		Calcite Filters Installed
0717001	ORANGE WATER DEPT	12/31/00	Lead	0.019	I	Public Notice 01-05-2001	
0815001	PITMAN WATER DEPARTMENT	12/31/00	Lead	0.0149	R		
0904001	HARRISON W DEPT	6/30/00	Lead	0.016	U	Public notice 05-01-2001	
0904001	HARRISON W DEPT	12/31/00	Lead	0.02	U	Public notice 05-01-2001	
1426002	MOUNT ARLINGTON DPW-KADEL SYS	6/30/00	Lead	0.029	N	Public notice 10-2000	Continue Routine Sampling
1438006	SHERWOOD MOBILE HOME PARK	12/31/00	Lead	0.0256	R	Public notice 11-2000	Will Apply for Treatment
1603001	HALEDON WATER DEPT	12/31/00	Lead	0.017	N		Public Education completed 02-28-2001 pending Enforcement Actions
1912005	HOPATCONG WATER DEPT-RAND ST	6/30/00	Lead	0.0219	R	Public notice	Project #W-04-01-6760
1915001	NEWTON WATER & SEWER UTI	6/30/00	Lead	0.019	R	Public notice	ACO 07-29-1997

PWID	System Name	Violation Date	Contaminant Name	Concentration (mg/l)*	Treatment Status**	Compliance Status***	Comments
1915001	NEWTON WATER & SEWER UTI	12/31/00	Lead	0.034	R	Public notice	ACO 07-29-1997
2112001	INDEPENDENCE MUA (ROCK)	12/31/00	Lead	0.0299	R		Enforcement Case
2116002	HAPPY HILL MOBILE HOME PARK	12/31/00	Lead	0.0356	R		Enforcement Case
2123002	WINDTRYST APTS	12/31/00	Lead	0.0264	R		Enforcement Case

KEY TO APPENDIX C:

* Action level for lead is 0.015 mg/l. Action level for copper is 1.3 mg/l.

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

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

Appendix D: Noncommunity Water System 2000 MCL Violations New Jersey Department of Environmental Protection

PWID	System Name	Violation Date	Contaminant Name	Concentration	Treatment Status*	Compliance Status**	Comments
0104316	DONATO'S FARM MARKET	1/1/00	Coliform	-		RTC 05-02-2000	Monthly Violation
0104318	FIBERTECH GROUP	7/1/00	Nitrate	19.6 mg/l			
0104318	FIBERTECH GROUP	10/1/00	Nitrate	18 mg/l			On Quarterly Monitoring - Bottled Water Provided
0104318	FIBERTECH GROUP	4/1/00	Nitrate	25.7 mg/l			On Quarterly Monitoring - Bottled Water Provided
0104320	LIBRARY 5	7/1/00	Nitrate	15.29 mg/l		RTC 01-24-2001	
0105333	CAPPUCCIO'S EASTSIDE DELI	4/1/00	Nitrate	12.7 mg/l		RTC 09-07-2000	
0105351	ST AUGUSTINE A/S BLG WELL 2	10/1/00	Nitrate	34.2 mg/l	R	RTC 01-12-2001	
0108361	GREEN TREE GOLF COURSE	4/1/00	Coliform	-		RTC 06-23-2000	Monthly Violation
0109302	ESTELL MANOR SCHOOL	4/1/00	Nitrate	12.08 mg/l	R		
0109302	ESTELL MANOR SCHOOL	1/1/00	Nitrate	10.98 mg/l	R		
0111381	S. EGG HARBOR HEAD START II	7/1/00	Coliform	-		RTC 10-05-2000	Monthly Violation
0111386	EDWIN B. FORSYTHE WILDLIFE REF	10/1/00	Coliform	-		RTC 11-21-2000	Monthly Violation

PWID	System Name	Violation Date	Contaminant Name	Concentration	Treatment Status*	Compliance Status**	Comments
0112304	ATLANTIC CITY RACE COURSE	6/1/00	Coliform	-		RTC 08-31-2000	Monthly Violation
0112304	ATLANTIC CITY RACE COURSE	7/1/00	Coliform	-		RTC 08-31-2000	Monthly Violation
0113363	MW MANUFACTURING	1/1/00	Mercury	0.004 mg/l	N		
0120307	PORT REPUBLIC ELEM SCHOOL	1/1/00	Ethylene dibromide	0.000073 mg/l	R		Treatment provided
0215300	ENGLEWOOD HOSPITAL	9/1/00	Coliform	-		RTC 09-15-2000	Monthly Violation
0233310	CAMPGAW RESERVATIO N (B)	7/1/00	Coliform	-		RTC 09-12-2000	Monthly Violation
0241300	NORWOOD SWIM CLUB	9/1/00	Coliform	-		RTC 09-29-2000	Monthly Violation
0263304	UPPER SADDLE RIVER ASSOC	7/1/00	Coliform	-		RTC 09-29-2000	Monthly Violation
0307300	CHESTERFIELD TWP B.O.E.	10/1/00	Coliform	-	N	RTC 01-23-2001	Monthly Violation
0320354	KINDERCARE	11/1/00	Coliform	-	N	RTC 12-01-2000	Monthly Violation
0320354	KINDERCARE	10/1/00	Coliform	-	N	RTC 12-01-2000	Monthly Violation
0320354	KINDERCARE	7/1/00	Coliform	-	N	RTC 12-01-2000	Monthly Violation
0327301	SHELL OIL CO MART	10/1/00	Coliform	-	N	RTC 11-06-2000	Monthly Violation
0329320	ASPEN PHYSICAL THERAPY	1/1/00	Coliform	-	N	RTC 02-18-2000	Monthly Violation
0333300	NEW VINCENTOWN DINER	7/1/00	Coliform	-	N	RTC 09-15-2000	Monthly Violation
0333302	RED LION DINER	4/1/00	Coliform	-	N	RTC 10-20-2000	Monthly Violation
0333302	RED LION DINER	7/1/00	Coliform	-	N	RTC 10-20-2000	Monthly Violation
0333302	RED LION DINER	4/1/00	Coliform	-	N	RTC 10-20-2000	Acute Violation
0334305	GARDEN STATE DINER	4/1/00	Coliform	-	N	RTC 08-30-2000	Monthly Violation

PWID	System Name	Violation Date	Contaminant Name	Concentration	Treatment Status*	Compliance Status**	Comments
0336305	HAWKINS BRIDGE-WHARTON	10/1/00	Coliform	-	N	RTC 12-05-2000	Monthly Violation
0336305	HAWKINS BRIDGE-WHARTON	10/1/00	Coliform	-	N	RTC 12-05-2000	Acute Violation
0336310	BATONA TRAIL CAMP	10/1/00	Coliform	-	N	RTC 12-05-2000	Monthly Violation
0336310	BATONA TRAIL CAMP	10/1/00	Coliform	-	N	RTC 12-05-2000	Acute Violation
0336318	LOWER BANK TAVERN	10/1/00	Coliform	-	N	RTC 01-17-2001	Monthly Violation
0336318	LOWER BANK TAVERN	12/1/00	Coliform	-	N	RTC 01-17-2001	Monthly Violation
0336318	LOWER BANK TAVERN	11/1/00	Coliform	-	N	RTC 01-17-2001	Monthly Violation
0339308	LEBANON ST FOREST-MAINT	10/1/00	Coliform	-	N	RTC 11-15-2000	Acute Violation
0339308	LEBANON ST FOREST-MAINT	10/1/00	Coliform	-	N	RTC 11-15-2000	Monthly Violation
0435327	INTERPROD, INC	10/1/00	Ethylene dibromide	0.000109 mg/l	R		Treatment provided
0435327	INTERPROD, INC	1/1/00	Methylene Chloride	0.0139 mg/l	R		Methylene Chloride values ranged from 4.6 to 76.0 ppb
0436314	RAY & ALICE'S SICKLERVIL	1/1/00	Nitrate	12.24 mg/l	R		
0504394	BELLEPLAIN STATE FOREST	10/1/00	Coliform	-		RTC 10-19-2000	Monthly Violation
0505398	ATLANTIC CAPE FISHERIES	10/1/00	Coliform	-		RTC 12-12-2000	Monthly Violation
0506408	OVER THE RAINBOW NURSERY	1/1/00	Nitrate	15.9 mg/l		RTC 06-12-2000	

PWID	System Name	Violation Date	Contaminant Name	Concentration	Treatment Status*	Compliance Status**	Comments
0508301	OCEAN CITY WELCOME CENTER	1/1/00	Nitrate	35.2			
0508301	OCEAN CITY WELCOME CENTER	7/1/00	Nitrate	36.8			
0603311	ROSENHAYN DELI	1/1/00	Nitrate	19	E	RTC 05-01-2000	
0605300	FAIRFIELD ADULT MED DAY CARE	1/1/00	Nitrate	17			
0605300	FAIRFIELD ADULT MED DAY CARE	10/1/00	Nitrate	12	R		
0605308	LANNING BROTHERS FARMS INC	10/1/00	Nitrate	20.7	R		
0612303	AUNT JO'S	10/1/00	Nitrate	10.6	R		
0613308	THE RED BARN DELI	10/1/00	Nitrate	10.8	R		
0707309	HUNAN COTTAGE RESTAURANT	4/1/00	Coliform	-		RTC 7-24-2000	Monthly Violation
0716300	TOWN HALL COMPLEX WELL	1/1/00	Coliform	-		RTC 06-20-2000	Monthly Violation
0722301	MONTCLAIR GOLF COURSE	10/1/00	Coliform	-	I	RTC 12-2000	Monthly Violation; Well Disinfected
0722301	MONTCLAIR GOLF COURSE	7/1/00	Coliform	-	I	RTC 12-2000	Monthly Violation; Well Disinfected
0722301	MONTCLAIR GOLF COURSE	11/1/00	Coliform	-	I	RTC 12-2000	Monthly Violation; Well Disinfected
0805336	VFW POST 2071	1/1/00	Nitrate	20.8	R		

PWID	System Name	Violation Date	Contaminant Name	Concentration	Treatment Status*	Compliance Status**	Comments
0805351	WA WA INC STORE #444	8/1/00	Coliform	-		RTC 08-31-2000	Monthly Violation
0805444	NEW LIFE IN CHRIST MINISTRY I	1/1/00		11			
0818461	DAIRY QUEEN	1/1/00	Coliform	-		RTC 05-30-2000	Monthly Violation
0818468	M & S PRODUCE OUTLET	1/1/00	Nitrate	13.5	R		
0818470	CHILDREN FIRST LEARNING CENTER	7/1/00	Coliform	-		RTC 03-06-2001	Monthly Violation
0818470	CHILDREN FIRST LEARNING CENTER	10/1/00	Coliform	-		RTC 03-06-2001	Monthly Violation
0824302	RODE'S FIRESIDE LOUNGE	4/1/00	Coliform	-		RTC 07-27-2000	Acute Violation
0824302	RODE'S FIRESIDE LOUNGE	4/1/00	Coliform	-		RTC 07-27-2000	Monthly Violation
1001309	CAMP TECUMSEH	7/1/00	Coliform	-	N	RTC 10-01-2000	Monthly Violation
1001310	CONNIE PASTERKIEWICZ	2/1/00	Coliform	-	N	RTC 05-01-2000	Monthly Violation
1001310	CONNIE PASTERKIEWICZ	1/1/00	Coliform	-	N	RTC 05-01-2000	Monthly Violation
1002306	LANDSLIDE SALOON	10/1/00	Coliform	-	N	RTC 01-01-2001	Monthly Violation
1006321	CARDINI CAFÉ	10/1/00	Coliform	-	N	RTC 01-01-2001	Monthly Violation
1006323	TOM J BAR AND GRILL	1/1/00	Coliform	-	N	RTC 04-01-2000	Monthly Violation
1006324	LONG HORN SALOON	4/1/00	Coliform	-	N	RTC 07-01-2000	Monthly Violation
1007306	CROTON FOOD MART	7/1/00	Coliform	-	N	RTC 10-01-2000	Monthly Violation
1010309	GARDEN STATE GROWERS	7/1/00	Coliform	-	N	RTC 10-01-2000	Monthly Violation
1016302	QUALITY PARTITION MFG	7/1/00	Coliform	-	N	RTC 10-01-2000	Monthly Violation

PWID	System Name	Violation Date	Contaminant Name	Concentration	Treatment Status*	Compliance Status**	Comments
1016303	MAGNESIUM ELECKTRON INC	7/1/00	Coliform	-	N	RTC 03-16-2001	Monthly Violation
1016303	MAGNESIUM ELECKTRON INC	7/1/00	Coliform	-	N	RTC 03-16-2001	Acute Violation
1021333	TEKNI-PLEX INC	10/1/00	Coliform	-	N	RTC 01-01-2001	Monthly Violation
1021338	ANGELO'S	7/1/00	Coliform	-	N	RTC 10-01-2000	Monthly Violation
1022301	WHITEHOUSE SCHOOL	1/1/00	Coliform	-	N	RTC 04-07-2000	Monthly Violation
1022301	WHITEHOUSE SCHOOL	1/1/00	Coliform	-	N	RTC 04-07-2000	Acute Violation
1022310	SALEM INDUSTRIAL PARK	7/1/00	Coliform	-	N	RTC 10-25-2000	Monthly Violation
1022310	SALEM INDUSTRIAL PARK	7/1/00	Coliform	-	N	RTC 10-25-2000	Acute Violation
1022327	HOFMANN'S RESTAURANT	4/1/00	Coliform	-	N	RTC 07-01-2000	Monthly Violation
1022332	Y.M.C.A. DEER PATH PARK	10/1/00	Coliform	-	N	RTC 01-01-2001	Monthly Violation
1022334	MOHAWK MFG	7/1/00	Coliform	-	N	RTC 10-01-2000	Monthly Violation
1022336	GREAT WALL RESTAURANT	10/1/00	Coliform	-	N	RTC 01-01-2001	Monthly Violation
1024311	FIRST STEP LEARNING CENTER	4/1/00	Coliform	-	N	RTC 09-07-2000	Monthly Violation
1024311	FIRST STEP LEARNING CENTER	7/1/00	Coliform	-	N	RTC 09-07-2000	Monthly Violation
1024311	FIRST STEP LEARNING CENTER	7/1/00	Coliform	-	N	RTC 09-07-2000	Acute Violation
1025305	JOHNNY'S TRUCK STOP	10/1/00	Coliform	-	N	RTC 01-01-2000	Monthly Violation

PWID	System Name	Violation Date	Contaminant Name	Concentration	Treatment Status*	Compliance Status**	Comments
1025320	LOUISE'S DINER	8/1/00	Coliform	-	N	RTC 10-01-2000	Monthly Violation
1101302	NL INDUSTRIES INC	10/1/00	Coliform	-	N	RTC 12-29-2000	Monthly Violation
1106369	MIGNELLA'S RESTAURANT	7/1/00	Coliform	-	N	RTC 09-21-2000	Monthly Violation
1209324	EXXON USA 3-2914	11/1/00	Coliform	-	I	RTC 05-14-2001	Monthly Violation; Well was realigned and chlorine shocked
1209324	EXXON USA 3-2914	12/1/00	Coliform	-	I	RTC 05-14-2001	Monthly Violation; Well was realigned and chlorine shocked
1209324	EXXON USA 3-2914	10/1/00	Coliform	-	I	RTC 05-14-2001	Monthly Violation; Well was realigned and chlorine shocked
1213339	CREST ENGINEERING	7/1/00	Coliform	-	I	RTC 01-17-2001	Monthly Violation; Well was Chlorine Shocked
1222306	ROYAL DELI	7/1/00	Coliform	-	I	RTC 01-08-2001	Monthly Violation
1309310	HOMINY HILL GOLF COURSE	4/1/00	Coliform	-	N	RTC 06-11-2000	Monthly Violation
1316373	CHURCH OF JESUS CHRIST	10/1/00	Coliform	-			Monthly Violation
1319309	LATVIAN SOCIETY	10/1/00	Coliform	-	N	RTC 12-04-2000	Acute Violation
1319350	HOWELL GOLF COURSE-BLDG	7/1/00	Coliform				Monthly Violation; They have 2 subsequent quarters clean, not 5
1319432	JACQUELINE PLAZA	4/1/00	Coliform				Monthly Violation; System Deactivated
1319432	JACQUELINE PLAZA	4/1/00	Coliform				Acute violation; ;System Deactivated

PWID	System Name	Violation Date	Contaminant Name	Concentration	Treatment Status*	Compliance Status**	Comments
1319449	FREWOOD ACRES FOOD MARK	7/1/00	Coliform		N	RTC 04-10-2001	Monthly Violation
1319449	FREWOOD ACRES FOOD MARK	10/1/00	Coliform		N	RTC 04-10-2001	Monthly Violation
1319449	FREWOOD ACRES FOOD MARK	10/1/00	Coliform		N	RTC 04-10-2001	Acute Violation
1319450	EXXON USA 3-8576	3/1/00	Coliform		I	RTC 09-11-2000	Monthly Violation
1319450	EXXON USA 3-8576	7/1/00	Coliform		I	RTC 09-11-2000	Monthly Violation
1319450	EXXON USA 3-8576	6/1/00	Coliform		I	RTC 09-11-2000	Monthly Violation
1319450	EXXON USA 3-8576	4/1/00	Coliform		I	RTC 09-11-2000	Monthly Violation
1319450	EXXON USA 3-8576	2/1/00	Coliform		I	RTC 09-11-2000	Monthly Violation
1319450	EXXON USA 3-8576	1/1/00	Coliform		I	RTC 09-11-2000	Monthly Violation
1319450	EXXON USA 3-8576	5/1/00	Coliform		I	RTC 09-11-2000	Monthly Violation
1326319	PIED PIPER PRE-SCHOOL	7/1/00	Coliform		N	RTC 08-25-2000	Monthly Violation
1326346	MILLHURST MILLS INC, WEL	7/1/00	Coliform		N	RTC 10-27-2000	Monthly Violation
1326362	MILLHURST MILLS WELL 2	7/1/00	Coliform		N	RTC 10-27-2000	Monthly Violation
1328307	YMCA CAMP ARROWHEAD	4/1/00	Coliform		N	RTC 02-15-2001	Monthly Violation
1332323	MILLSTONE COMMUNITY CTR.	7/1/00	Coliform		N	RTC 10-16-2000	Monthly Violation
1332352	MILLSTONE BD OF EDUCATION	10/1/00	Coliform		N	RTC 11-30-2000	Monthly Violation
1334302	FERNWOOD MOTEL	7/1/00	Coliform		N	RTC 09-21-2000	Monthly Violation
1336316	CARTON ET ALS LEGAL OFFS	10/1/00	Coliform		N	RTC 11-30-2000	Monthly Violation

PWID	System Name	Violation Date	Contaminant Name	Concentration	Treatment Status*	Compliance Status**	Comments
1336318	COLLINGSWOOD SCHOOL	4/1/00	Coliform				Monthly Violation; System Inactivated
1336318	COLLINGSWOOD SCHOOL	7/1/00	Coliform				Monthly Violation; System Inactivated
1406303	CHESTER DINER	1/1/00	Coliform		N	RTC 03-2000	Monthly Violation
1406317	REDWOODS RESTAURANT	1/1/00	Coliform		N	RTC 03-17-2000	Acute Violation
1406317	REDWOODS RESTAURANT	1/1/00	Coliform		N	RTC 03-17-2000	Monthly Violation
1413302	MINUTEMAN RESTAURANT	7/1/00	Coliform		N	RTC 10-18-2000	Monthly Violation
1413318	NEW VILLAGE DELI	7/1/00	Coliform		N	RTC 10-18-2000	Monthly Violation
1414302	JEFFERSON HOUSE	1/1/00	Coliform		N	RTC 03-2000	Monthly Violation
1414302	JEFFERSON HOUSE	4/1/00	Coliform		N	RTC 06-07-2000	Monthly Violation
1414303	THE WINDLASS	9/1/00	Coliform		N	RTC 10-20-2000	Monthly Violation
1414303	THE WINDLASS	10/1/00	Coliform		N	RTC 10-20-2000	Monthly Violation
1414326	J.P'S ITALIAN RESTAURANT	10/1/00	Coliform		N	RTC 04-2001	Monthly Violation
1414342	HURDTOWN PLAZA	10/1/00	Coliform		N	RTC 12-18-2000	Monthly Violation
1414350	SNEAKY PETE'S	4/1/00	Coliform		N	RTC 07-25-2000	Monthly Violation
1414350	SNEAKY PETE'S	1/1/00	Coliform		N	RTC 07-25-2000	Monthly Violation
1414355	THIRSTY MOOSE	7/1/00	Coliform		N	RTC 09-2000	Monthly Violation

PWID	System Name	Violation Date	Contaminant Name	Concentration	Treatment Status*	Compliance Status**	Comments
1414364	STAR OF THE SEA CHURCH	12/1/00	Coliform		N	RTC 01-2001	Monthly Violation
1414364	STAR OF THE SEA CHURCH	12/1/00	Coliform		N	RTC 01-2001	Acute Violation
1414401	JEFFERSON HIGH & MIDDLE	12/1/00	Coliform		N	RTC 01-2001	Monthly Violation
1415305	OUR LADY OF THE MAGNIFIC	10/1/00	Coliform		N	RTC 01-2001	Monthly violation
1417300	FAIRLEIGH-DICKINSON UNIVERSITY	7/1/00	Coliform		N	RTC 08-2000	Monthly violation
1427303	STEPHENS STATE PARK	1/1/00	Coliform		N	RTC 01-19-2000	Monthly Violation
1427339	SILVER SPRING FARM RESTAURANT	4/1/00	Coliform		N	RTC 07-2000	Monthly Violation
1427339	SILVER SPRING FARM RESTAURANT	4/1/00	Coliform		N	RTC 07-2000	Acute Violation
1427364	ENVIRONMENTAL DEVELOPMENT ASSC	10/1/00	Coliform		N	RTC 01-30-2001	Monthly Violation
1427384	MOUNT OLIVE POST OFFICE	10/1/00	Coliform		N	RTC 12-2000	Monthly Violation
1429304	RICCIARDI BROS.	7/1/00	Coliform		N	RTC 08-16-2000	Monthly Violation
1429304	RICCIARDI BROS.	9/1/00	Coliform		N	RTC 11-2000	Monthly Violation
1429304	RICCIARDI BROS.	10/1/00	Coliform		N	RTC 11-2000	Monthly Violation
1435328	GREENPOND CHAPEL	7/1/00	Coliform		N	RTC 11-2000	Monthly Violation
1435328	GREENPOND CHAPEL	10/1/00	Coliform		N	RTC 11-2000	Monthly Violation
1436323	RUMOR'S	4/1/00	Coliform		N	RTC 06-01-2000	Monthly Violation

PWID	System Name	Violation Date	Contaminant Name	Concentration	Treatment Status*	Compliance Status**	Comments
1436329	SAMSUNG INT INC	10/1/00	Coliform		N		Monthly Violation; System Inactivated as of 01-12-2001
1436330	SWIM & SPORT CLUB INC	7/1/00	Coliform		N	RTC 11-16-2000	Monthly Violation
1436331	WEST MORR OFFICE CENTER	10/1/00	Coliform		N	RTC 01-03-2001	Monthly Violation
1436336	ACADEMY 1	6/1/00	Coliform		N	RTC 07-24-2000	Monthly Violation
1436336	ACADEMY 1	6/1/00	Coliform		N	RTC 07-24-2000	Monthly Violation
1436354	ADAM METAL PRODUCTS	1/1/00	Coliform		N	RTC 03-09-2000	Monthly Violation
1436354	ADAM METAL PRODUCTS	2/1/00	Coliform		N	RTC 07-28-2000	Monthly Violation
1436356	BOSTON CHICKEN REST.	10/1/00	Coliform		N	RTC 11-2000	Monthly Violation
1438324	PLEASANT GROVE PRES . CHU	10/1/00	Coliform		N	RTC 02-23-2001	Monthly Violation
1438334	WASHINGTON TWP COMMUNITY CTR	4/1/00	Coliform		N	RTC 09-05-2000	Monthly violation
1438334	WASHINGTON TWP COMMUNITY CTR	4/1/00	Coliform		N	RTC 09-05-2000	Acute Violation
1505360	WATERS EDGE RESTAURANT	7/1/00	Coliform			RTC 11-16-2000	Monthly Violation
1511304	CASSVILLE TAVERN	4/1/00	Coliform			RTC 05-17-2000	Monthly Violation
1511355	MID OCEAN AGENCY INC	7/1/00	Coliform			RTC 11-09-2000	Monthly Violation
1511355	MID OCEAN AGENCY INC	10/1/00	Coliform			RTC 11-09-2000	Monthly Violation
1511377	D.E.P.FORESTRY SERVICE	4/1/00	Coliform			RTC 09-01-2000	Monthly Violation
1511377	D.E.P.FORESTRY SERVICE	7/1/00	Coliform			RTC 09-01-2000	Monthly Violation
1530381	MARGO'S INN & MARINA	12/1/00	Coliform			RTC 02-21-2001	Monthly Violation

PWID	System Name	Violation Date	Contaminant Name	Concentration	Treatment Status*	Compliance Status**	Comments
1530387	LUV'S DELI/ TUMBLEWEEDS	10/1/00	Coliform			RTC 12-04-2000	Monthly Violation
1602305	CLIFTON CITY HALL CAMPUS	10/1/00	Coliform			RTC 02-14-2001	Monthly Violation
1602305	CLIFTON CITY HALL CAMPUS	7/1/00	Coliform			RTC 10-17-2000	Monthly Violation
1611304	RINGWOOD ST PARK- BACK PI	7/1/00	Coliform			RTC 12-01-2000	Monthly Violation
1611304	RINGWOOD ST PARK- BACK PI	7/1/00	Coliform			RTC 12-01-2000	Acute Violation
1611308	WEIS ECOLOGY CENTER	7/1/00	Coliform			RTC 08-04-2000	Monthly Violation
1611317	CHRIST THE KING LUTHERAN CHURCH	7/1/00	Coliform			RTC 02-2001	Monthly Violation
1611317	CHRIST THE KING LUTHERAN CHURCH	9/1/00	Coliform			RTC 02-2001	Monthly Violation
1611317	CHRIST THE KING LUTHERAN CHURCH	10/1/00	Coliform			RTC 02-2001	Monthly Violation
1615317	VILLAGE SQUARE INN	1/1/00	Coliform			RTC 02-01-2000	Monthly Violation
1615329	MARSHALL HILL SCHOOL	8/1/00	Coliform			RTC 10-02-2000	Monthly Violation
1615329	MARSHALL HILL SCHOOL	9/1/00	Coliform			RTC 10-02-2000	Monthly Violation
1615365	VESUVIO'S PIZZA	7/1/00	Coliform			RTC 09-30-2000	Monthly Violation
1615365	VESUVIO'S PIZZA	10/1/00	Coliform			RTC 12-18-2000	Monthly Violation
1615378	LAKELAND BANK	7/1/00	Coliform		I	RTC 08-04-2000	Monthly Violation
1615378	LAKELAND BANK	9/1/00	Coliform		I	RTC 11-16-2000	Monthly Violation
1615386	STRENGTH IN OUR SISTERS	10/1/00	Coliform			RTC 11-14-2000	Monthly Violation

PWID	System Name	Violation Date	Contaminant Name	Concentration	Treatment Status*	Compliance Status**	Comments
1615420	MONCLAIR YMCA DAY CAMP-UPPER	7/1/00	Coliform			RTC 09-01-2000	Monthly Violation
1615420	MONCLAIR YMCA DAY CAMP-UPPER	8/1/00	Coliform			RTC 09-01-2000	Monthly Violation
1615425	KIDS CORNER CHILD CARE	10/1/00	Coliform			NOV 01-11-2001	Monthly Violation
1710329	MISSION TEENS INC	1/1/00	Nitrate	12			
1801307	FIDLERS ELBOW GOLF COURSE	7/1/00	Coliform		I	RTC 09-26-2000	Monthly Violation
1805311	MURPHY'S INN	7/1/00	Coliform		I	RTC 01-04-2001	Monthly Violation
1805339	ALBERT & SON REPAIR GARAGE	7/1/00	Coliform		I	RTC 10-23-2000	Monthly Violation
1805380	STATION HOUSE	10/1/00	Coliform		I	RTC 02-06-2001	Monthly Violation
1806306	CAMP CROMWELL	1/1/00	Coliform			RTC 04-07-2000	Monthly Violation
1806306	CAMP CROMWELL	1/1/00	Coliform			RTC 04-07-2000	Acute Violation
1808350	CEDAR GROVE CAFE	10/1/00	Coliform				Monthly Violation; Well inactive due to fire
1808350	CEDAR GROVE CAFE	10/1/00	Coliform				Acute Violation: Well inactive due to fire
1809300	VITO'S PIZZERIA	4/1/00	Coliform		I	RTC 07-20-2000	Monthly Violation
1810314	FARLEY'S TAVERN	10/1/00	Coliform		I	RTC 04-27-2001	Monthly Violation
1810350	HILLSBOROUGH TOWNSHIP PROF	7/1/00	Coliform		I	RTC 01-17-2001	Monthly Violation
1810350	HILLSBOROUGH TOWNSHIP PROF	10/1/00	Coliform		I	RTC 01-17-2001	Monthly Violation

PWID	System Name	Violation Date	Contaminant Name	Concentration	Treatment Status*	Compliance Status**	Comments
1818320	LITTLE MIRACLES	10/1/00	Coliform		I	RTC 12-27-2000	Monthly Violation
1818320	LITTLE MIRACLES	10/1/00	Coliform		I	RTC 12-27-2000	Acute Violation
1902335	ANDOVER AEROFLEX	7/1/00	Coliform		N	RTC 11-02-2000	Monthly Violation
1904350	BAGEL & BAKE	7/1/00	Coliform		N	RTC 12-15-2000	Monthly Violation
1904358	COLUMBIA VALLEY CAMPGROUND-BAM	9/1/00	Coliform		N	RTC 09-22-2000	Monthly Violation
1904358	COLUMBIA VALLEY CAMPGROUND-BAM	10/1/00	Coliform		N	RTC 03-28-2001	Monthly Violation
1904358	COLUMBIA VALLEY CAMPGROUND-BAM	8/1/00	Coliform		N	RTC 09-22-2000	Monthly Violation
1905302	EDGEMONT CAMPGROUND	7/1/00	Coliform		N	RTC 08-28-2000	Monthly Violation
1905317	ROBINS NEST RESTAURANT	4/1/00	Coliform		N	RTC 12-15-2000	Monthly Violation
1905318	MAMA RONI'S	7/1/00	Coliform		N	RTC 09-14-2000	Monthly Violation
1905322	BRADY'S PUB	9/1/00	Coliform		N	RTC 09-22-2000	Monthly Violation
1905322	BRADY'S PUB	7/1/00	Coliform		N	RTC 09-22-2000	Acute Violation
1905322	BRADY'S PUB	9/1/00	Coliform		N	RTC 09-22-2000	Monthly Violation
1906303	AMERICAN LEGION POST 132	7/1/00	Coliform		N	RTC 12-11-2000	Monthly Violation
1906309	STERLING PLAZA	4/1/00	Coliform		N	RTC 07-07-2000	Monthly Violation
1908312	GREEN TWP FIRST AID	3/1/00	Coliform		N	RTC 05-31-2000	Monthly Violation
1909300	THE MARKET PLACE	10/1/00	Coliform		N	RTC 12-11-2000	Monthly Violation
1910311	GEMINI DINER	1/1/00	Coliform		N	RTC 02-25-2000	Monthly Violation

PWID	System Name	Violation Date	Contaminant Name	Concentration	Treatment Status*	Compliance Status**	Comments
1910333	HAMPTON TOWNSHIP PARK	3/1/00	Coliform		N	RTC 04-30-2000	Monthly Violation
1910333	HAMPTON TOWNSHIP PARK	3/1/00	Coliform		N	RTC 04-30-2000	Acute Violation
1911311	SWING IN DELI/LIQUORS	10/1/00	Coliform		N	RTC 03-16-2001	Monthly Violation
1911331	REMHOFF ELECTRIC INC.	1/1/00	Coliform		N	RTC 06-01-2000	Monthly Violation
1911331	REMHOFF ELECTRIC INC.	1/1/00	Coliform		N	RTC 06-01-2000	Acute Violation
1912300	ARROWCREST LODGE	11/1/00	Coliform		N	RTC 01-04-2001	Monthly Violation
1912300	ARROWCREST LODGE	12/1/00	Coliform		N	RTC 01-04-2001	Monthly Violation
1912300	ARROWCREST LODGE	10/1/00	Coliform		N	RTC 01-04-2001	Monthly Violation
1912300	ARROWCREST LODGE	7/1/00	Coliform		N	RTC 10-12-2000	Monthly Violation
1912303	LAKESIDE MOTEL	7/1/00	Coliform		N	RTC 08-31-2000	Monthly Violation
1912312	FEUERSTEIN'S TAVERN	8/1/00	Coliform		N	RTC 10-30-2000	Monthly Violation
1912312	FEUERSTEIN'S TAVERN	9/1/00	Coliform		N	RTC 10-30-2000	Monthly Violation
1913305	LAFAYETTE MANAGEMENT	10/1/00	Coliform		N	RTC 01-02-2001	Acute Violation
1913305	LAFAYETTE MANAGEMENT	10/1/00	Coliform		N	RTC 01-02-2001	Monthly Violation
1914319	CANDY'S PIZZA	9/1/00	Coliform		N	RTC 11-06-2000	Monthly Violation
1914319	CANDY'S PIZZA	7/1/00	Coliform		N	RTC 11-06-2000	Monthly Violation
1914319	CANDY'S PIZZA	8/1/00	Coliform		N	RTC 11-06-2000	Monthly Violation
1915300	SUSSEX CNTY C.C/DON BOSC	1/1/00	Coliform		N	RTC 02-28-2000	Monthly Violation
1918331	TIERNY'S TAVERN	10/1/00	Coliform		N	RTC 12-27-2000	Monthly Violation

PWID	System Name	Violation Date	Contaminant Name	Concentration	Treatment Status*	Compliance Status**	Comments
1920309	FAIRVIEW LAKE YMCA CAMP	4/1/00	Coliform		N	RTC 06-19-2000	Monthly Violation
1922304	DAYS INN	7/1/00	Coliform		N	RTC 12-01-2000	Monthly Violation
1922322	BROTHER'S PIZZA	7/1/00	Coliform		N	RTC 10-13-2000	Monthly Violation
1922324	GEORGE INN	7/1/00	Coliform		N	RTC 01-09-2001	Monthly Violation
1922334	HIDDEN VALLEY SKI AREA	4/1/00	Coliform		N	RTC 08-31-2000	Monthly Violation
1922334	HIDDEN VALLEY SKI AREA	7/1/00	Coliform		N	RTC 08-31-2000	Monthly Violation
1922334	HIDDEN VALLEY SKI AREA	12/1/00	Coliform		N	RTC 03-27-2001	Monthly Violation
1922336	THE COUNTRY DELI	7/1/00	Coliform		N	RTC 10-04-2000	Monthly Violation
1922339	F.A.L.I.N.E. PROFESSIONAL	8/1/00	Coliform		N	RTC 09-30-2000	Monthly Violation
1922368	SOMEPLACE SPECIAL	4/1/00	Coliform		N	RTC 09-27-2000	Monthly Violation
1922368	SOMEPLACE SPECIAL	4/1/00	Coliform		N	RTC 09-27-2000	Acute Violation
1924329	FRANKLIN SUSSEX AUTOMALL, INC.	4/1/00	Coliform		I	RTC 06-09-2000	Acute Violation
1924329	FRANKLIN SUSSEX AUTOMALL, INC.	4/1/00	Coliform		I	RTC 06-09-2000	Monthly Violation
1924352	A & P SHOPPING CENTER-A&P WELL	2/1/00	Coliform				Monthly Violation - Connected to Community Water System
1924354	SUSSEX MEAT PACKING	2/1/00	Coliform		I	RTC 03-09-2000	Monthly Violation
1924354	SUSSEX MEAT PACKING	7/1/00	Coliform		I	RTC 10-06-2000	Monthly Violation
2104300	GPU GENERATION INC	7/1/00	Coliform		N	RTC 04-13-2001	Acute Violation
2104300	GPU GENERATION INC	7/1/00	Coliform		N	RTC 04-13-2001	Monthly Violation
2104300	GPU GENERATION INC	10/1/00	Coliform		N	RTC 04-13-2001	Monthly Violation

PWID	System Name	Violation Date	Contaminant Name	Concentration	Treatment Status*	Compliance Status**	Comments
2104316	RUNAWAY CAFÉ	12/1/00	Coliform		N	RTC 12-19-2000	Monthly Violation
2104316	RUNAWAY CAFE	11/1/00	Coliform		N	RTC 12-19-2000	Monthly Violation
2104321	VAIL PRE-SCHOOL	7/1/00	Coliform		N	RTC 10-17-2000	Monthly Violation
2104321	VAIL PRE-SCHOOL	10/1/00	Coliform		N	RTC 10-17-2000	Monthly Violation
2105321	VICTAULIC INC.	10/1/00	Nitrate	11.7 mg/l	N	Public Notice - Bottled since 04	Bottled Water Provided
2106309	JAMES ALEXANDER CORP.	1/1/00	1,1-Dichloroethyle	5.6 mg/l	R	Public Notification- 02-01-2000	Bottled Water Provided
2109307	PRINCETON EDUCATION CENTER	7/1/00	Coliform		N	RTC 09-19-2000	Monthly Violation
2114320	PARKS PLACE	1/1/00	Coliform		N	RTC 04-01-2000	Monthly Violation
2115302	CENTER POINT VENTURES CORP	7/1/00	Coliform		N	RTC 12-05-2000	Monthly Violation
2117317	OXFORD VOLUNTEER FIRE CO	11/1/00	Coliform		N	RTC 12-29-2000	Monthly Violation
2117317	OXFORD VOLUNTEER FIRE CO	10/1/00	Coliform		N	RTC 12-29-2000	Monthly Violation
2122320	WITTE COMPANY	4/1/00	Coliform		N	RTC 07-24-2000	Monthly Violation
2123323	RED WOLFE INN	10/1/00	Coliform		N	RTC 10-25-2000	Monthly Violation
2123346	RITE AID	1/1/00	Coliform		N	RTC 05-15-2000	Monthly Violation

KEY TO APPENDIX D:

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

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

Appendix E: Noncommunity Water System 2000 Action Level Violations New Jersey Department of Environmental Protection

PWID	System Name	Violation Date	Contaminant Name	Concentration* (mg/l)	Treatment Status**	Compliance Status***	Comments
0105309	ST AUGUSTINE PREP SCHOOL	6/30/00	Lead	0.0501	R	Public notice required	
0105341	WILMAD GLASS DIV (OAK RD)	12/31/00	Copper	1.76	E	Public notice required	
0105341	WILMAD GLASS DIV (OAK RD)	12/31/00	Lead	0.0462	E	Public notice required	
0105341	WILMAD GLASS DIV (OAK RD)	6/30/00	Lead	0.067	E	Public notice 09-06-2000	
0105341	WILMAD GLASS DIV (OAK RD)	6/30/00	Copper	3.23	E	Public notice required	
0108368	EGG HARBOR TWP INTERMEDIATE	6/30/00	Copper	2.8	R		
0108388	RSL WOODWORKING #2	6/30/00	Lead	0.0362	R		
0108388	RSL WOODWORKING #2	6/30/00	Copper	5.625	R		
0109304	MANOR WOODS	6/30/00	Copper	2.25	E	Treatment needs to be checked	
0111375	THE PILGRIM ACADEMY	12/31/00	Copper	1.429			
0111376	PILGRIM ACADEMY-#2 (GYM)	12/31/00	Lead	0.01685	R		
0111421	CHILDRENS EXPRESS DAYCARE	12/31/00	Lead	0.241	R		

PWID	System Name	Violation Date	Contaminant Name	Concentration* (mg/l)	Treatment Status**	Compliance Status***	Comments
0111421	CHILDRENS EXPRESS DAYCARE	12/31/00	Copper	1.38	R		
0111421	CHILDRENS EXPRESS DAYCARE	6/30/00	Copper	1.48	R		
0113328	MW MANUFACTURING	12/31/00	Copper	3.53	R		
0113337	KESSLER DIALYSIS UNIT	12/31/00	Lead	0.03885	R		
0113337	KESSLER DIALYSIS UNIT	6/30/00	Lead	0.057	R		
0113337	KESSLER DIALYSIS UNIT	6/30/00	Copper	6.05	R		
0113337	KESSLER DIALYSIS UNIT	12/31/00	Copper	10.2	R		
0113363	MW MANUFACTURING	6/30/00	Copper	2.5		RTC 02-2000	
0117315	NJ STATE POLICE LABORATORY	12/31/00	Lead	0.0571	R		
0117320	ROANWELL CORP	6/30/00	Copper	4.6	R		
0120307	PT. REPUBLIC ELEMENTARY SCHOOL	6/30/00	Copper	0.245	R		
0332322	MAC-N-TOTS NURSERY	12/31/00	Copper	3.98	R		Unresolved at this time
0435327	THE DECORATORS	12/31/00	Copper	2	R		
0435327	THE DECORATORS	6/30/00	Copper	11	R		
0435367	THOMAS RICHARDS SCHOOL	12/31/00	Copper	1.89	R		
0435367	THOMAS RICHARDS SCHOOL	12/31/00	Lead	0.04465	R		
0435375	WATERFORD ELEMENTARY	12/31/00	Copper	3.98	R		
0435380	WEST ATCO HEADSTART	6/30/00	Copper	3.858	R		
0436353	U.S. COMPONENTS- OFFICE	12/31/00	Copper	3.48	R		
0436353	U.S. COMPONENTS- OFFICE	12/31/00	Lead	0.0224	R		

PWID	System Name	Violation Date	Contaminant Name	Concentration* (mg/l)	Treatment Status**	Compliance Status***	Comments
0436353	U.S. COMPONENTS- OFFICE	6/30/00	Lead	0.022	R		
0436353	U.S. COMPONENTS- OFFICE	6/30/00	Copper	5.22	R		
0436458	FLORENCE ROAD HEADSTART	6/30/00	Copper	5.106	R		
0504358	LUTHERAN HOME WELL #2	12/31/00	Copper	1.435	R		
0504358	LUTHERAN HOME WELL #2	12/31/00	Lead	0.0167	R		
0504359	LUTHERAN HOME WELL 3	12/31/00	Copper	1.78	R		
0504402	BISHIP MC HUGH CATHOLIC SCHOOL	12/31/00	Copper	3.18	R		
0506374	WHITESBORO HEAD START	12/31/00	Copper	1.475	R		
0506374	WHITESBORO HEAD START	12/31/00	Lead	0.0595	R		
0511348	CEDAR SQUARE LIMITED	12/31/00	Copper	4.48	R		
0511348	CEDAR SQUARE LIMITED	6/30/00	Copper	2.61	R		
0511353	COCA COLA OF SOUTH JERSEY	6/30/00	Lead	0.02835	R		
0601302	BRIDGETON SCHOOL	6/30/00	Copper	3.1	R		
0603301	CUMBERLAND CNTY TECHNICAL ED	12/31/00	Copper	1.5	R		
0603303	DEERFIELD ELEMENTARY SCHOOL	6/30/00	Lead	0.2	R		

PWID	System Name	Violation Date	Contaminant Name	Concentration* (mg/l)	Treatment Status**	Compliance Status***	Comments
0603303	DEERFIELD ELEMENTARY SCHOOL	12/31/00	Lead	0.023	R		
0603303	DEERFIELD ELEMENTARY SCHOOL	12/31/00	Copper	3	R		
0603308	F & S PRODUCE	12/31/00	Copper	14.55	R		
0605300	FAIRFIELD ADULT MED DAY CARE	12/31/00	Copper	6.9	R		
0605301	FAIRFIELD TWP INTER- BACK WELL	12/31/00	Copper	3.97	R		
0605301	FAIRFIELD TWP INTER (BACK WELL	6/30/00	Lead	0.016	R		
0607302	HOPEWELL CREST SCHOOL	6/30/00	Copper	1.4	R		
0607311	DEVEROUX FOUNDATION	6/30/00	Copper	3.7	R		
0607311	DEVEROUX FOUNDATION	12/31/00	Copper	12.9	R		
0608300	MYRON POWELL SCHOOL	6/30/00	Copper	3.3	R		
0608300	MYRON POWELL SCHOOL	12/31/00	Copper	2.46	R		
0610301	CUMBERLAND CO GUIDANCE	12/31/00	Copper	2.25	R		
0610301	CUMBERLAND CO GUIDANCE	6/30/00	Copper	3.95	R		
0610301	CUMBERLAND CO GUIDANCE	6/30/00	Lead	0.027	R		

PWID	System Name	Violation Date	Contaminant Name	Concentration* (mg/l)	Treatment Status**	Compliance Status***	Comments
0614321	EAST VINELAND SCHOOL (KINDERGARTEN)	6/30/00	Copper	6.15	R		
0614321	EAST VINELAND SCHOOL (KINDERGARTEN)	6/30/00	Lead	0.021	R		
0722301	MONTCLAIR GOLF COURSE	6/30/00	Lead	0.016	I	RTC 07-01-2000	
0804309	AURA SCHOOL	12/31/00	Copper	1.465	R		
0805304	LAKE ROAD SCHOOL	12/31/00	Copper	2.4	R		
0805342	FRANKLINVILLE ADULT TRAINING	6/30/00	Copper	5.62	R		
0805342	FRANKLINVILLE ADULT TRAINING	12/31/00	Copper	1.58	R		
0805344	MARYVILLE INC.	6/30/00	Copper	1.36	R		
0818430	HOLMAN FORD TURNERSVILLE	6/30/00	Lead	0.0167	R		
0818430	HOLMAN FORD TURNERSVILLE	6/30/00	Copper	13.8	R		
1001303	DELAWARE VALLEY REGIONAL	12/31/00	Lead	0.017	R		Referred to Hunterdon County Health Department for action
1001308	ALEXANDRIA MIDDLE SCHOOL	12/31/00	Lead	0.042	R		Referred to Hunterdon County Health Department for action
1002300	HOPPOCK MIDDLE SCHOOL	12/31/00	Lead	0.047	R		Referred to Hunterdon County Health Department for action

PWID	System Name	Violation Date	Contaminant Name	Concentration* (mg/l)	Treatment Status**	Compliance Status***	Comments
1006353	GREY ROCK VILLAGE	6/30/00	Lead	0.02375	R		Referred to Hunterdon County Health Department for action
1019309	HUNTERDON LEARNING CENTER	12/31/00	Lead	0.019	R		Referred to Hunterdon County Health Department for action
1025314	HUNTERDON HILLS PLAYHOUSE	12/31/00	Copper	1.96	R		Referred to Hunterdon County Health Department for action
1025322	POWERCO	12/31/00	Copper	1.94	R		Referred to Hunterdon County Health Department for action
1025324	FIRST STEP LEARNING CENTER	6/30/00	Lead	0.018	R		Referred to Hunterdon County Health Department for action
1106354	PENNINGTON ROAD PARTNERS	6/30/00	Lead	0.03	R		Unresolved at this time.
1202302	MACK PROPERTIES #12	6/30/00	Lead	0.03095			
1202315	AMERICAN CABINETRY	12/31/00	Lead	0.045			
1202315	AMERICAN CABINETRY	12/31/00	Copper	10.5			
1213313	APPLEGARTH REST HOME	12/31/00	Lead	0.047			
1213313	APPLEGARTH REST HOME	12/31/00	Copper	6			

PWID	System Name	Violation Date	Contaminant Name	Concentration* (mg/l)	Treatment Status**	Compliance Status***	Comments
1213316	COUNTRY VIEW REST HOME	6/30/00	Lead	0.045			
1221314	BASF WYANDOTTE CORP	12/31/00	Lead	0.021			
1221314	BASF WYANDOTTE CORP	12/31/00	Copper	4.6			
1222311	HARRIS STEEL - WELL #2	12/31/00	Lead	0.024			
1332301	MILLSTONE MIDDLE SCHOOL	12/31/00	Copper	1.63	I		Treatment Unit Broke
1406302	CHESTER MALL	12/31/00	Lead	0.016	N		System connected to CWS as of 11-30-2000
1406304	CHESTER SPRINGS SHOPPING	6/30/00	Lead	0.024	R	Public notice-03-2000	Will apply for treatment
1406304	CHESTER SPRINGS SHOPPING	6/30/00	Copper	5.99	R	Public notice 03-2000	Will apply for treatment
1407300	BRAGG SCHOOL	6/30/00	Lead	0.016	I	No public notice issued	Continue Routine Sampling
1407303	BLACK RIVER MIDDLE SCHOOL	6/30/00	Lead	0.028	I	No public notice issued	Continue Routine Sampling
1407313	CHESHIRE BLDG	6/30/00	Lead	0.017	R		MCL Violation letter sent on 06-13-2001
1408302	ST. FRANCIS HEALTH RESOR	12/31/00	Lead	0.03		Public notice 04-2000	Continue Routine Sampling
1415305	OUR LADY OF THE MAGNIFICANT	6/30/00	Lead	0.016	N	Public notice 07-01-2001	Incorrect Sampling Protocol
1415305	OUR LADY OF THE MAGNIFICANT	6/30/00	Copper	2.28	N	Public notice 07-01-2001	Incorrect Sampling Protocol

PWID	System Name	Violation Date	Contaminant Name	Concentration* (mg/l)	Treatment Status**	Compliance Status***	Comments
1427364	ENVIRONMENTAL DEVELOPMENT ASSC	12/31/00	Lead	0.141	R		MCL Letter sent on 06-13-2001
1436358	REFORM TEMPLE SHALOM	6/30/00	Lead	0.036	N	Public notice 05-21-2001	Continuing Routine Sampling
1436362	ROXBURY CORPORATE CENTER	6/30/00	Lead	0.026	I	Public notice since 09-09-1999	Continuing Routine Sampling
1505306	JCPL/GPU	12/31/00	Copper	4.85			
1505306	JCPL/GPU	12/31/00	Lead	0.032			
1505365	OCEAN COUNTY UTILITIES A	12/31/00	Lead	0.017			
1508304	EAGLESWOOD ELEMENTARY	6/30/00	Copper	3.5			
1511414	YOUNG AT HEART	6/30/00	Copper	1.5			
1511414	YOUNG AT HEART	12/31/00	Copper	3.35			
1516317	RUTGERS MARINE STUDY STATION	12/31/00	Lead	0.0231			
1518339	ORGO - THERMIT (WELL #1)	12/31/00	Copper	1.7			
1518345	MANCHESTER MANOR NURSING	12/31/00	Copper	2.4			
1518353	ORGO THERMIT INC.	12/31/00	Copper	1.6			
1602308	UPPER MONTCLAIR COUNTRY	12/31/00	Lead	0.019			
1611320	DARET INC. WELL #1	6/30/00	Lead	0.022		Public notice 11-03-2000	Water Treatment Installed 02-15-2001

PWID	System Name	Violation Date	Contaminant Name	Concentration* (mg/l)	Treatment Status**	Compliance Status***	Comments
1611321	DARET INC. WELL #2	12/31/00	Lead	0.302		Notice of violation 05-30-2000	Public notice requested 05-30-2001
1615324	MAPLE ROAD SCHOOL	6/30/00	Lead	0.018			
1615325	MACOPIN SCHOOL	6/30/00	Lead	0.025			
1615337	GRACE FELLOWSHIP CHURCH	6/30/00	Lead	0.021			
1615339	HILLCREST COMMUNITY CTR.	12/31/00	Lead	0.018			
1615339	HILLCREST COMMUNITY CTR.	6/30/00	Lead	0.004			
1615340	MILFORD MANOR	6/30/00	Lead	0.028			
1615353	ESCO PRODUCTS	12/31/00	Lead	0.043			
1615353	ESCO PRODUCTS	6/30/00	Lead	0.018			
1615425	KIDS CORNER CHILD CARE	12/31/00	Lead	0.031			
1808357	HAPPY STARS CHILD CARE	12/31/00	Lead	0.03			
1815303	THE MATHENY SCHOOL-LOWER	12/31/00	Lead	0.016			
1924326	WANTAGE PLAZA	6/30/00	Lead	0.036	N		Resampling 06-2001
2116325	COMCAST CABLE VISION	12/31/00	Lead	0.063	R		Referred to Warren County Health Department for action

PWID	System Name	Violation Date	Contaminant Name	Concentration* (mg/l)	Treatment Status**	Compliance Status***	Comments
2119302	INGERSOLL-DRESSER PUMP CO	6/30/00	Copper	1.5	R		Referred to Warren County Health Department for action
2119302	INGERSOLL-DRESSER PUMP CO	12/31/00	Lead	0.033	R		Referred to Warren County Health Department for action

KEY TO APPENDIX E:

* Action level for lead is 0.015 mg/l. Action level for copper is 1.3 mg/l.

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

*** Compliance Status: PN = Public noticed; RTC = Returned to Compliance

Appendix F

2000 Significant Consumer Notification Violations

PWID	System Name	Comments
0108001	Karl Le Manor Mobile Homes	Administrative Order and Notice of Civil Administrative Penalty issued by Enforcement on 11-13-00
0108015	Karl Le Manor Mobile Homes (System 2)	Administrative Order and Notice of Civil Administrative Penalty issued by Enforcement on 11-13-00
1420001	Mine Hill Township Water Department	Administrative Order and Notice of Civil Administrative Penalty issued by Enforcement on 12-6-00

Appendix G

MCL Violations Related to Additional Monitoring in New Jersey

Transient Noncommunity Water Systems with Volatile Organic or Synthetic Organic Compound MCL Violations

PWID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comments
0436462	Christ Care United Missionary	9-6-00	Ethylene Dibromide	I		Treatment installed
1319329	Mulligans Bar and Grill	1-6-00	Trichloroethylene		RTC 1-8-01	

Nontransient Noncommunity Water Systems with Radionuclide MCL Violations

PWID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comments
0105309	St. Augustine Prep School	11/1/00	Gross alpha particle activity	R		Bottled water provided
0105309	St. Augustine Prep School	11/1/00	Combined Radium 226/228	R		Bottled water provided
1005351	St. Augustine A/S Bldg Well 2	12/20/00	Gross alpha particle activity	R		Bottled water provided
0105351	St. Augustine A/S Bldg Well 2	11/1/00	Combined Radium 226/228	R		Bottled water provided