

SAFE DRINKING WATER ACT VIOLATIONS 2001

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

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Introduction

This is New Jersey's sixth 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 sixth report covers the period January 1, 2001, to December 31, 2001. 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 37).

In New Jersey, copies of this full report for the period January 1, 2001, through December 31, 2001, 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/violations2001.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 2001, New Jersey listed 4,186 public water systems in its inventory. These included 606 community water systems, 891 nontransient noncommunity water systems and 2689 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
2001	606	891	2689	4186
2000	606	936	2707	4249
1999	616	968	2839	4423
1998	615	962	2887	4464
1997	612	1034	3066	4712
1996	612	1038	3090	4740

Maximum Contaminant Level

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 19 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 step is that in 2000, NJDEP began a program to sample all nontransient noncommunity water systems in the State, at State expense. Sampling of nontransient noncommunity systems was completed in 2002. If gross alpha particle activity 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

Individual water system MCL and treatment technique violation data for community and noncommunity water systems are presented in Appendices B (page 38) and D (page 45), respectively. Appendix C (page 42) 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 55).

The most notable items in this report concern the continued decrease in the number of monitoring and reporting violations for coliform, nitrate and volatile organic compounds over the past several years, as seen on page 12 for coliform, page 14 for volatile organic compounds, and page 16 for nitrate. 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 having an effect as CEHA agencies review and evaluate violations on a quarterly basis and take penalty actions for confirmed violations. In addition, 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 violations.

Following is a summary of 2001 violation data based on each contaminant group.

Microbiological

Total Coliform Rule:

Microbiological quality as measured by the total coliform test continues to yield good results for the monitoring performed in 2001. Between 2000 and 2001 there was a decrease in the number of total coliform monthly violations while there was an increase in the number of acute violations. However, the results from 2001 are similar to those of 2000, which had seen a gradual increase. In all, 4.7% (198 out of 4186) public water systems (PWS) had a total coliform MCL violation in 2001. This compares with 2000 when 4.7% (199 systems out of 4,249 total systems).

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
2001	41	229	270	40	195	198
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

A total of 22,092 total coliform test result summary reports were sent to NJDEP in 2001. 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. Each time there was an acute MCL violation there was also a monthly coliform violation. Of the total, there were only 229 MCL violations. Therefore, 99% 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
2001	692	477	11%	4186
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 4,186 PWS, 477 PWS (11%) missed sampling at least once during 2001, with a total of 692 total coliform test result summary reports missed. This shows an improvement over 2000, when 16% of PWS missed sampling at least once, and a total of 1,070 total coliform test result summary reports were missed.

Surface Water Treatment Rule:

Compliance with the Surface Water Treatment Rule improved in 2001. The only unfiltered surface water treatment plant in the state accounted for the one treatment technique violations for 2001. The community water system that uses this plant signed a consent agreement to build a new treatment plant that was 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 new date of December 15, 2004.

Organic Chemicals**Volatile Organic Chemicals (VOC) Rule:**

Compliance with New Jersey's stringent MCLs for VOCs for 2001 declined slightly compared to 2000, but was similar to compliance in 1999. Of the 606 community water systems and 891 nontransient noncommunity water systems that monitored for VOCs in 2001, only 15 MCL violations were issued at 13 systems for volatile organic compounds. One community and 12 nontransient noncommunity systems received those MCL violations. The levels in 2001 are similar to 1999, when one community and 12 nontransient noncommunity water systems each received an MCL violation.

There was a continued decrease in VOC monitoring/reporting violations in 2001. Table 6 shows the trend since 1996. A total of 116 community and nontransient noncommunity water systems (57 community and 59 noncommunity) had at least one monitoring violation. In 1999 a total of 159 community and nontransient noncommunity systems had at least one VOC monitoring violation. The sum of the monitoring/reporting violations for VOCs in Table 8 (page 19) looks large (7,098) 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 2001 were issued monitoring violations. For this 2001 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 2001, there were 10,972 monitoring/reporting (M/R) violations at 159 systems.

Table 6: Volatile Organic Compound Monitoring/Reporting Violations

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

As discussed earlier in this report, NJDEP tracks transient noncommunity systems that submit data and exceed an MCL for a volatile organic compound. Three transient noncommunity water systems had an MCL violation in 2001, and one of those systems had two violations. This is reported in Table 9 (page 31) and Appendix G (page 64).

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. In 2001, data was collected from approximately 141 community water system wells, 44 storm flow surface water locations and 44 base flow surface water locations. There were no SOC MCL violations related to community water systems or surface water samples.

Total Trihalomethanes:

One community water system had one MCL violation for total trihalomethanes in 2001. This is the same water system that had violations in 1999 and 2000. 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 8 monitoring/reporting (M/R) violations for trihalomethanes at 7 community water systems in 2001, while in 2000, there were only 6 monitoring/reporting (M/R) violations for trihalomethanes at 6 community water systems. In New Jersey, there were 145 systems that were required to sample for total trihalomethanes in 2001. 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:

In 2001, there were seven MCL violations at six community or nontransient noncommunity water systems for inorganic chemicals, excluding nitrate. This represents a slight increase over 2000, when there were four MCL violations at four community or nontransient noncommunity water systems for inorganic chemicals, excluding nitrate. There were four MCL violations for mercury, two for cadmium and one for fluoride in 2001. In 2000, all four MCL violations were for mercury.

The number of nitrate MCL violations remained similar to 2000, and continues to be a problem primarily of noncommunity water systems. There was just one community water system in 2001 with nitrate MCL violations, and this one system had two. In 2001, there were 27 nitrate MCL violations at 17 noncommunity water systems. In 2000 there was one community water system with a nitrate MCL violation, while there were 23 MCL violations at 18 noncommunity water systems.

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

Table 7 - 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
2001	29	18	403	290
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

As seen in the above table, the monitoring of noncommunity water systems for nitrate has improved and this trend continued in 2001. Overall, there has been significant improvement in monitoring and reporting violations 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 2001. 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).

The number of Action Level (AL) violations for 2001 is similar to the number in 2000. In 2001, there were 36 community water systems with 46 lead or copper action level violations, while in 2000 there were 37 community water systems with 50 lead or copper action level violations. In 2001 there were 104 nontransient noncommunity water systems with 138 lead or copper Action Level violations, while in 2000 there were 93 nontransient noncommunity water systems with 130 lead or copper action level violations.

There was a decrease in the number of monitoring/reporting violations for the Lead and Copper Rule in 2001. In 2001 there were 4 monitoring/reporting violations at 2 public water systems, while in 2000 there were 78 monitoring/reporting violations at 25 community and nontransient noncommunity water systems.

Radiological Rule:

During 2001, no community water systems were in new violation of the gross alpha standard or the radium 226/228 standard. In 2000, 6 community water systems were in violation of the gross alpha standard and no community water systems were in violation of the radium 226/228.

No monitoring/reporting violations were incurred for gross alpha and radium 226/228 testing for 2001.

As noted earlier, in 2000 NJDEP began testing nontransient noncommunity water systems for gross alpha activity using the accelerated testing protocol. As of the middle of 2002, all nontransient noncommunity water systems had been tested. For 2001, there were a total of 34 exceedences (both gross alpha and radium 226/228) at 20 nontransient noncommunity water systems. This is reported in Table 9 (page 31) and Appendix G (page 64). Note that since the time of testing, the status of two of the nontransient systems has changed to transient noncommunity. All of the exceedences were found in the following counties: Atlantic, Camden, Cumberland, Gloucester and Camden.

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. Two community

water systems received consumer notification violations for the failure to submit a year 2001 Consumer Confidence Report (2000 drinking water test results). This information has been incorporated into Table 8 (page 19). Appendix F (page 63) shows these 2 systems. In 2000, three community water systems received consumer notification violations for the failure to submit a Consumer Confidence Report.

Summary:

The quality of New Jersey's public drinking water continues to be excellent. Overall, the Bureau of Safe Drinking Water, with support from NJDEP's Water Compliance and Enforcement Element and county health agencies, continues to make progress in addressing MCL, treatment technique and monitoring violations. The Bureau of Safe Drinking Water's capacity development strategy is targeted to assist public water systems with a history of significant non-compliance to achieve compliance, and we expect continued improvements over the next several years, especially with those public water systems that have been in significant non-compliance.

State:	New Jersey
Reporting Interval:	January 1, 2001- December 31, 2001

Table 8
Violations Table
(with SDWIS Codes)

SDWIS Codes		MCL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
	Organic Contaminants								
2981	1,1,1-Trichloroethane	0.2	0.03	0	0			273	116
2977	1,1-Dichloroethylene	0.007	0.002	2	2			273	116
2985	1,1,2-Trichloroethane	0.005	0.003	0	0			273	116
2378	1,2,4-Trichlorobenzene	0.07	0.009	0	0			273	116
2931	1,2-Dibromo-3-chloropropane (DBCP)	0.0002		0	0			0	0
2980	1,2-Dichloroethane	0.005	0.002	0	0			273	116
2983	1,2-Dichloropropane	0.005		0	0			273	116
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, 2001- December 31, 2001

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			273	116
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	1	1			273	116
2959	Chlordane	0.002	0.0005	Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2380	Cis-1,2-Dichloroethylene	0.07		0	0			273	116
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	2	2			273	116
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, 2001- December 31, 2001

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			273	116
2946	Ethylene dibromide (EDB)	0.00005		0	0			0	0
2034	Glyphosate	0.7		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2065	Heptachlor	0.00004		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2067	Heptachlor epoxide	0.0002		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2274	Hexachlorobenzene	0.001		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver

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

State:	New Jersey
Reporting Interval:	January 1, 2001- December 31, 2001

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			273	116
2968	o-Dichlorobenzene	0.6		0	0			273	116
2969	Para-Dichlorobenzene	0.075		0	0			273	116
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	2	2			273	116
2984	Trichloroethylene	0.005	0.001	6	6			273	116
2996	Styrene	0.1		0	0			273	116
2991	Toluene	1		0	0			273	116
2979	Trans-1,2-Dichloroethylene	0.1		0	0			273	116
2955	Xylenes (total)	10	1	0	0			273	116

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

State:	New Jersey
Reporting Interval:	January 1, 2001- December 31, 2001

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			273	116
2036	Oxamyl	0.2		0	0			273	116
2040	Picloram	0.5		0	0			273	116
2037	Simazine	0.004		0	0			273	116
2976	Vinyl chloride	0.002		0	0			273	116
2867	Meta-Dichlorobenzene		0.06	0	0			273	116
2978	1,1-Dichloroethane		0.05	0	0			273	116
2251	Methyl tertiary-butyl ether		0.07	2	2			273	116
2248	Napthalene		0.3	0	0			273	116
2988	1,1,2,2-Tetrachloroethane		0.001	0	0			273	116
	Subtotal Organics			15	13			7098	116

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

State:	New Jersey
Reporting Interval:	January 1, 2001- December 31, 2001

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		1	1			8	7
	Subtotal total trihalomethanes			1	1			8	7

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

State:	New Jersey
Reporting Interval:	January 1, 2001- December 31, 2001

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			2	2
1005	Arsenic	0.05		0	0			1	1
1094	Asbestos	7 million fibers/l >10 <i>m</i> m/l		0	0			0	0
1010	Barium	2		0	0			1	1
1075	Beryllium	0.004		0	0			2	2
1015	Cadmium	0.005		2	2			5	3
1020	Chromium	0.1		0	0			11	5
1024	Cyanide (as free cyanide)	0.2		0	0			0	0
1025	Fluoride	4.0		1	1			4	2
1035	Mercury	0.002		4	4			4	2
1040	Nitrate	10 (as Nitrogen)		29	18			403	290
1041	Nitrite	1 (as Nitrogen)		0	0			3	3

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

State:	New Jersey
Reporting Interval:	January 1, 2001- December 31, 2001

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			1	1
1085	Thallium	0.002		0	0			3	3
1038	Total nitrate and nitrite	10 (as Nitrogen)		See SDWIS code 1040	See SDWIS code 1040			See SDWIS code 1040	See SDWIS code 1040
	Radionuclide MCLs								
4000	Gross alpha	15 pCi/l		0	0			0	0
4010	Radium-226 and -228	5 pCi/l		0	0			0	0
4101	Gross beta	4 mrem/yr		0	0			0	0
	Subtotal inorganics plus radionuclides								

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

State:	New Jersey
Reporting Interval:	January 1, 2001- December 31, 2001

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		41	40				
22	Non-acute (monthly) MCL violation	Presence		229	195				
23, 25	Major routine and follow up monitoring							692	477
28	Sanitary survey*							0	0
	Subtotal Total Coliform Rule			270	198			692	477

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

State:	New Jersey
Reporting Interval:	January 1, 2001 - December 31, 2001

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							10	4
41	Treatment techniques					1	1		
	Unfiltered systems								
31	Monitoring, routine/repeat							0	0
42	Failure to filter					0	0		
	Subtotal Surface Water Treatment Rule					1	1	10	4

State:	New Jersey
Reporting Interval:	January 1, 2001 - December 31, 2001

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							4	2
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	4	2

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							2	2

State:	New Jersey
Reporting Interval:	January 1, 2001 - December 31, 2001

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

SDWIS Codes		MCL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
	Organic Contaminants for transient noncommunity water systems								
2990	Benzene	0.005	0.001	1	1				
2251	Methyl tertiary-butyl ether		0.07	1	1				
2987	Tetrachloroethylene	0.005	0.001	1	1				
2984	Trichloroethylene	0.005	0.001	1	1				
	Radionuclide MCLs for nontransient noncommunity water systems								
4000	Gross alpha	15 pCi/l		17	17				
4010	Radium-226 and -228	5 pCi/l		17	17				

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

Definitions for Violations Tables 8 and 9

The following definitions apply to the Summary of Violations table.

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

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

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

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 2001 MCL and Treatment Technique
Violations
New Jersey Department of Environmental Protection**

PWID	System Name	Fac #	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comments
0107001	EGG HARBOR CITY WATER DEPT		11/1/01	Coliform		RTC 12-2001	Monthly violation
0108004	NORMS DALE MOBILE HOME PARK		11/1/01	Coliform		RTC 12-31-01	Monthly violation
0108006	TOWER MOBILE HOMES SYSTEM 1	01	1/1/01	Mercury		PN received 10/1/01	Quarterly mon. last 3 quarters are non-detect
0108006	TOWER MOBILE HOMES SYSTEM 1	01	1/1/01	Cadmium		RTC 12-21-01	
0108017	TOWER MOBILE HOMES SYSTEM 3	01	1/1/99	Mercury			Drilled new well
0248001	RAMSEY WATER DEPT		11/1/01	Coliform		RTC 12-31-01	Monthly violation
0319001	MAPLE SHADE WATER DEPARTMENT		9/1/01	Coliform	E	RTC 10-31-01	Monthly violation
0326005	CEDAR GROVE APARTMENTS		9/1/01	Coliform	N	RTC 10-31-01	Monthly violation
0414001	GLOUCESTER CITY W DEPT		10/1/01	Coliform		RTC 11-30-01	Monthly violation
0436001	ANCORA PSYCHIATRIC HOSPI		6/1/01	Coliform		RTC 7-31-01	Monthly violation
0614002	BERRYMAN'S BRANCH MHP	02	10/1/01	Nitrate			
0614002	BERRYMAN'S BRANCH MHP	02	4/1/01	Nitrate			

PWID	System Name	Fac #	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comments
0702001	BLOOMFIELD WATER DEPT		6/1/01	Coliform	E	RTC 7-1-01	Monthly violation
0720001	VERONA WATER DEPARTMENT		8/1/01	Coliform	E	RTC 9-1-01	Monthly violation
0806001	GLASSBORO WATER DEPARTME		2/1/01	Coliform		RTC 3-1-01	Monthly violation
0806001	GLASSBORO WATER DEPARTME		8/1/01	Coliform		RTC 9-1-01	Monthly violation
0815001	PITMAN WATER DEPARTMENT		8/1/01	Coliform		PN Recd.	Monthly violation
0815001	PITMAN WATER DEPARTMENT		8/1/01	Coliform		PN Req.	Acute violation
0904001	HARRISON W DEPT		10/1/01	Coliform	E	RTC 11-1-01	Monthly violation
1019003	CAMELOT AT SPRUCE RIDGE		6/1/01	Coliform	N	RTC 7-1-01	Monthly violation
1019003	CAMELOT AT SPRUCE RIDGE		6/1/01	Coliform	N	RTC 7-1-01	Acute violation
1213002	MONROE TWP MUA		10/1/01	Coliform			Monthly violation
1339001	SHORELANDS WATER CO INC		8/1/01	Coliform		RTC 11-21-01	Monthly violation
1404001	CHATHAM WATER DEPT		8/1/01	Coliform		RTC 9-30-01	Monthly violation
1414008	OAK RIDGE MOBILE HOME PARK		5/1/01	Coliform		RTC 7-31-01	Monthly violation
1416001	LINCOLN PARK WATER DEPT		7/1/01	Coliform		RTC 9-30-01	Monthly violation
1416001	LINCOLN PARK WATER DEPT		8/1/01	Coliform		RTC 9-30-01	Monthly violation
1427010	NJ VASA HOME WATER SYS		7/1/01	Coliform		RTC 8-31-01	Monthly violation
1427010	NJ VASA HOME WATER SYS		9/1/01	Coliform		RTC 10-31-01	Monthly violation

PWID	System Name	Fac #	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comments
1427010	NJ VASA HOME WATER SYS		12/1/01	Coliform		RTC 1-31-02	Monthly violation
1427014	MT OLIVE TWP W D CARLTON		8/1/01	Coliform		RTC 9-30-01	Acute violation
1427014	MT OLIVE TWP W D CARLTON		8/1/01	Coliform		RTC 9-30-01	Monthly violation
1431001	PEQUANNOCK TWP WATER DEP		1/1/01	Coliform		RTC 2-28-01	Monthly violation
1434001	ROCKAWAY BORO WATER DEPT	01	1/1/01	Tetrachloroethylene		RTC 9-5-01	
1434001	ROCKAWAY BORO WATER DEPT	01	1/1/01	Trichloroethylene		RTC 5-9-01	
1511003	LAND O PINES MOBILE HOME PARK		1/1/01	Coliform	N	RTC 3-30-01	Monthly violation
1511016	MEADOWBROOK CO-OP INC		8/1/01	Coliform	N	RTC 9-30-01	Monthly violation
1511017	JACKSON COLONIAL ARMS AP		7/1/01	Coliform	N	RTC 8-1-01	Acute violation
1511017	JACKSON COLONIAL ARMS		7/1/01	Coliform		RTC 8-1-01	Monthly violation
1523002	JENSENS DEEP RUN ADULT VLG		7/1/01	Coliform	E	RTC 8-1-01	Monthly violation
1530004	STAFFORD TWP MUA BEACHHA		8/1/01	Coliform	E	RTC 9-1-01	Monthly violation
1603001	HALEDON WATER DEPT	01	10/1/00	Total trihalomethanes		RTC 2-13-01, PN	Notice of violation for 2nd Qtr- 6/20/02 (Viol-4/1/01)
1613002	WANAQUE W DEPT.		9/1/01	Coliform		RTC 10-31-01	Monthly violation
1808001	FRANKLIN TWP DEPT PUBLIC		5/1/01	Coliform			Acute violation
1808001	FRANKLIN TWP DEPT PUBLIC		8/1/01	Coliform			Monthly Violation

PWID	System Name	Fac #	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comments
1808001	FRANKLIN TWP DEPT PUBLIC		9/1/01	Coliform			Monthly Violation
1808001	FRANKLIN TWP DEPT PUBLIC		9/1/01	Coliform			Acute Violation
1808001	FRANKLIN TWP DEPT PUBLIC		5/1/01	Coliform			Monthly violation
1915001	NEWTON WATER AND SEWER		12/1/01	Turbidity	R		ACO of 8/25/97 requires remecy by 11/20/03
2021001	WINFIELD MUTUAL HOUSING		8/1/01	Coliform			Monthly Violation

KEY TO APPENDIX B:

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

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

Appendix C: Community Water System 2001 Action Level Violation New Jersey Department of Environmental Protection

PWID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comments
0108014	TOWER EAST MOBILE HOME PARK	12/31/01	Lead	R	PN-Rec 9-26-01	
0108017	TOWER MOBILE HOMES SYSTEM 3	12/31/01	Lead	R	PN-Rec 9-26-01	
0111007	EVERGREEN WOODS CAMPGROUND	6/30/01	Lead	R	PN Req 7-2-01	
0233001	MAHWAH WATER DEPARTMENT	12/31/01	Copper		WATER TMT REC.8-31-01	
0233001	MAHWAH WATER DEPARTMENT	6/30/01	Lead		WATER TMT REC	
0233001	MAHWAH WATER DEPARTMENT	12/31/01	Lead		PN Rec 1-18-02	
0436007	WINSLOW TWP MUN UTIL SICKLERVI	6/30/01	Lead	I		Engineering firm investigating
0436010	WINSLOW COURT HOMES INC	12/31/01	Copper	R	NOV 2-20-02	
0436010	WINSLOW COURT HOMES INC	12/31/01	Lead	R	PN-Req 2-20-02	
0607001	HOPEWELL PLACE SENIOR APTS	6/30/01	Copper	E		Existing -but not working
0607001	HOPEWELL PLACE SENIOR APTS	12/31/01	Copper	E		Existing -but not working
0701001	BELLEVILLE WATER DEPT	12/31/01	Lead	E	RTC 7-1-02	
0717001	ORANGE WATER DEPT	6/30/01	Lead	E	RTC 12-19-01	
1007002	ROSEMONT WATER DEPARTMENT	12/31/01	Lead	N	RTC 1-2002	
1019001	BUNNVALE W SYSTEM INC	12/31/01	Copper	R		Taken over by Consumers W.C. Will install treatment.
1019001	BUNNVALE W SYSTEM INC	12/31/01	Lead	R		Taken over by Consumers W.C. Will install treatment.
1107001	LAWRENCEVILLE SCHOOL	6/30/01	Copper	R		Enforcement actions pending.
1107001	LAWRENCEVILLE SCHOOL	12/31/01	Copper	R		Enforcement actions pending.

PWID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comments
1214001	NEW BRUNSWICK W DEPT	12/31/01	Lead			
1406002	WINDY ACRES MOBILE HOME	12/31/01	Lead			
1408001	DENVILLE TWP WATER DEPT	12/31/01	Lead			
1416001	LINCOLN PARK WATER DEPT	6/30/01	Lead			
1427008	MT OLIVE TWP WD PINECREST	6/30/01	Copper	N	RTC 12-31-01	
1427010	NJ VASA HOME WATER SYS	12/31/01	Copper	N	RTC 6-30-02	
1427013	MT OLIVE TWP W D JUCKETT	6/30/01	Copper	N	RTC 12-31-01	
1436004	ROXBURY TWP W DEPT-SKY V	12/31/01	Lead			
1438001	CLIFFSIDE PARK ASSOC INC	6/30/01	Copper		RTC 12-31-01	
1438006	SHERWOOD VILLAGE	6/30/01	Copper		RTC 12-31-01	
1511009	PLEASANT GARDENS APARTMENTS	12/31/01	Copper	I	NOV 1-3-02	pH adjustment
1511011	LUXURY MOBILE TERRACE	6/30/01	Copper	R	NOV 5-25-01	
1511019	DOVE MILLS APARTMENTS	12/31/01	Lead	I	NOV 6-12-01	pH adjustment
1511020	PLEASANT GARDENS SOUTH	12/31/01	Copper	R	NOV 7-16-02	
1615018	W MILFORD TWP BALD EAGLE	6/30/01	Copper		Submitted Optimized Corrosion Control Treatment study	
1615018	W MILFORD TWP BALD EAGLE	12/31/01	Copper		Submitted Optimized Corrosion Control Treatment study	
1803002	TWIN LAKES WATER ASSOC	12/31/01	Lead			
1904009	BYRAM HMWNRS ASSOC WATER	12/31/01	Lead			
1911003	LAKE TAMARACK W CO	6/30/01	Copper			
1911005	HARDYSTON TWP MUA INDIAN FIELD	6/30/01	Copper			
1911005	HARDYSTON TWP MUA INDIAN FIELD	12/31/01	Copper			

PWID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comments
1915001	NEWTON WATER & SEWER UTI	6/30/01	Copper	R		Administrative Consent Order- 7/29/97
1915001	NEWTON WATER & SEWER UTI	12/31/01	Copper	R		Administrative Consent Order- 7/29/97
1915001	NEWTON WATER & SEWER UTI	6/30/01	Lead	R		Administrative Consent Order- 7/29/97
1922004	U W V H CLIFFWOODS LAKES	12/31/01	Lead			
1922018	U W V H STAMEN/MOTT	12/31/01	Lead			
1922027	HIDDEN VILLAGE CONO ASSOC	6/30/01	Lead		RTC 12-31-01	
2021001	WINFIELD MUTUAL HOUSING	12/31/01	Lead			

KEY TO APPENDIX C:

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

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

Appendix D: Noncommunity Water System 2001 MCL Violations New Jersey Department of Environmental Protection

PWID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comments
0104318	FIBERTECH GROUP	7/1/01	Nitrate			
0104318	FIBERTECH GROUP	4/1/01	Nitrate			
0104318	FIBERTECH GROUP	1/1/01	Nitrate			
0105323	ST MARYS SCHOOL	10/1/01	Nitrate			
0105339	RICHLAND GLASS CO., INC.	1/1/99	Mercury	R	PNrequested 1/25/02	
0110309	KERR CONCRETE PIPE CO	10/1/01	Coliform		RTC 11-30-01	Monthly Violation
0111393	POMONA PLAZA	1/1/02	Mercury			
0113330	LIFE MISSION TRAINING CENTER	7/1/01	Coliform		RTC 10-24-01	Monthly Violation
0220302	BARNSTABLE ACADEMY	4/1/01	Coliform		RTC 8-1-01	Monthly Violation
0233315	CAMPGAW RESERVATION (E)	10/1/01	Coliform			Ongoing Violation/ Monthly Violation
0248302	SATURN OF RAMSEY	1/1/01	Trichloroethylene		NOV 2/21/02	
0258307	COLONIAL PARK SHOPPING C	1/1/01	Coliform		RTC 2-21-01	Monthly Violation
0263305	MARRON COMPANY	11/1/01	Coliform		RTC 1-1-02	Monthly Violation
0263305	MARRON COMPANY	12/1/01	Coliform		RTC 1-1-02	Monthly Violation
0320310	LEXINGTON BUILDING-PROF.	7/1/01	Coliform	N	RTC 10-4-01	Monthly Violation
0320349	DUTCH WAGON MARKET, INC	7/1/01	Coliform	N	RTC 10-26-01	Monthly Violation
0333311	RED LION AIRPORT	7/1/01	Coliform	N	RTC 10-17-01	Acute Violation
0333311	RED LION AIRPORT	7/1/01	Coliform	N	RTC 10-17-01	Monthly Violation
0335320	RUSSO'S FRUIT AND VEGETABLE	1/1/01	Nitrate			
0335321	CONTE FARMS	7/1/01	Coliform	N	RTC 10-30-01	Monthly Violation
0435327	INTERPROD, INC.	1/1/01	Methylene chloride	I		
0506345	KING NUMMY CAMPGROUND	1/1/01	Nitrate			
0506399	KING NUMMY CAMPGROUND	1/1/01	Nitrate			
0511319	OCEAN SANDS RESORT ASSC	10/1/01	Coliform		RTC 4-1-02	Monthly Violation
0605300	FAIRFIELD ADULT MED DAY CARE	4/1/01	Nitrate	R		

PWID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comments
0605304	LLOYDS GROCERY & DELI	10/1/01	Nitrate		NOV 2-21-02	
0609311	CUMBERLAND COUNTRY STORE	7/1/01	Coliform	R		Monthly Violation
0612303	AUNT JOS DELI	4/1/01	Nitrate	R		
0612303	AUNT JOS DELI	1/1/01	Nitrate	R		
0612303	AUNT JOS DELI	7/1/01	Nitrate			
0613308	THE RED BARN	4/1/01	Nitrate			
0613308	THE RED BARN	10/1/01	Nitrate			
0613308	THE RED BARN DELI	1/1/01	Nitrate	R		
0613319	TINKERS SEAFOOD	1/1/01	Nitrate			
0804313	BAMBI CHILD CARE CENTER	1/1/99	Cadmium			
0805444	NEW LIFE IN CHRIST	1/1/01	Nitrate			
0805444	NEW LIFE IN CHRIST	10/1/01	Nitrate			
0818431	MOE'S & ANTONIO'S II PIZZERIA	7/1/01	Nitrate		NOV 10/22/01	
0818431	MOE'S & ANTONIO'S II PIZZERIA	10/1/01	Nitrate			On quarterly monitoring
0818468	M&S PRODUCE	1/1/01	Nitrate			
1002300	HOPPOCK MIDDLE SCHOOL	4/1/01	Coliform	N	RTC 7-31-01	Monthly Violation
1002301	ASBURY GRAPHITE MILL (MI	4/1/01	Coliform	N	RTC 6-8-01	Monthly Violation
1002311	THOMAS B. CONLEY SCHOOL	7/1/01	Coliform	N	RTC 10-30-01	Monthly Violation
1002311	THOMAS B. CONLEY SCHOOL	7/1/01	Coliform	N	RTC 10-30-01	Acute Violation
1006321	THE ASHBURY INN	1/1/01	Coliform	N	RTC 4-6-01	Monthly Violation
1007306	CROTON FOOD MART	7/1/01	Coliform	N	RTC 10-10-01	Monthly Violation
1008309	CAROUSEL DELI & BAKERY	10/1/01	Coliform	N	RTC 12-26-01	Monthly Violation
1019327	WOODGLEN GENERAL STORE	4/1/01	Coliform	N	RTC 7-31-01	Monthly Violation
1019329	MULLER TOYOTA	7/1/01	Coliform	N	RTC 10-29-01	Monthly Violatiion
1021315	CTR FOR ED ADVANCEMENT-M	1/1/01	Trichloroethylene			
1021332	HUNTERDON CO COMPLEX	1/1/01	Coliform	N	RTC 5-16-01	Monthly Violation
1021333	TEKNI-PLEX INC	7/1/01	Coliform	N	RTC 10-25-01	Monthly Violation
1021333	TEKNI-PLEX INC	7/1/01	Coliform	N	RTC 10-25-01	Acute Violation
1021404	CENTER FOR ED ADV (FURN.	1/1/01	Trichloroethylene	U		Under construction- 3/12/02

PWID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comments
1022306	THREE BRIDGES SCHOOL	4/1/01	Coliform	N	RTC 6-8-01	Monthly Violation
1022306	THREE BRIDGES SCHOOL	10/1/01	Coliform	N	RTC 12-7-01	Monthly Violation
1022310	SALEM INDUSTRIAL PARK	1/1/01	Trichloroethylene	I	RTC 8-3-01	Media changed
1022310	SALEM INDUSTRIAL PARK	10/1/01	Coliform	N	RTC 1-14-02	Monthly Violation
1022310	SALEM INDUSTRIAL PARK	1/1/01	1,1 - Dichloroethylene	I	RTC 8-3-01	Media changed
1022338	READINGTON FARMS	7/1/01	Coliform	N	RTC 8-30-01	Monthly Violation
1022340	GYMNASTICS UNLIMITED	7/1/01	Coliform	N	RTC 8-22-01	Monthly Violation
1022351	FIMBEL DOOR CORP.	7/1/01	Coliform	N	RTC 8-30-01	Monthly Violation
1024314	OLDWICK GENERAL STORE	10/1/01	Coliform	N	RTC 12-19-01	Acute Violation
1024314	OLDWICK GENERAL STORE	10/1/01	Coliform	N	RTC 12-19-01	Monthly Violation
1025305	JOHNNY'S TRUCK STOP	1/1/01	Coliform	N	RTC 4-23-01	Monthly Violation
1025305	JOHNNY'S TRUCK STOP	3/1/01	Coliform	N	RTC 4-23-01	Monthly Violation
1025313	STONE ARCH HEALTH CARE	7/1/01	Coliform	N	RTC 9-20-01	Monthly Violation
1025320	LOUISE'S DINER	1/1/01	Coliform	N	RTC 4-16-01	Monthly Violation
1026300	WEST AMWELL SCHOOL	1/1/01	Coliform	N	RTC 2-20-01	Monthly Violation
1026300	WEST AMWELL SCHOOL	1/1/01	Coliform	N	RTC 2-20-01	Acute Violation
1026302	SOUTH HUNTERDON REGIONAL	7/1/01	Coliform	N	RTC 8-3-01	Monthly Violation
1026310	BREEN COLOR	7/1/01	Coliform	N	RTC 10-30-01	Monthly Violation
1106361	MERCER MUTUAL INS. CO.	4/1/01	Coliform	N	RTC 7-2-01	Monthly Violation
1106361	MERCER MUTUAL INS. CO.	4/1/01	Coliform	N	RTC 7-2-01	Acute Violation
1202310	SAMSON METAL SERVICE INC	10/1/01	Coliform			Monthly Violation
1209324	EXXON USA 3-2914	3/1/01	Coliform			Monthly Violation
1209324	EXXON USA 3-2914	1/1/01	Coliform			Monthly Violation
1209324	EXXON USA 3-2914	2/1/01	Coliform			Monthly Violation
1222311	HARRIS STEEL - WELL #2	1/1/01	Methylene chloride			
1222312	HARRIS STEEL/BEAM SHIP	10/1/01	Coliform			Acute Violation
1222312	HARRIS STEEL/BEAM SHIP	10/1/01	Coliform			Monthly Violation
1309310	HOMINY HILL GOLF COURSE-	4/1/01	Coliform	N	RTC 5-17-01	Monthly Violation
1316365	PINE CONE CG - WELL #2	4/1/01	Coliform	N	RTC 7-1-01	Monthly Violation

PWID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comments
1316373	CHURCH OF JESUS CHRIST	4/1/01	Coliform	N	RTC 6-20-01	Monthly Violation
1319309	LATVIAN SOCIETY	7/1/01	Coliform	N	RTC 9-6-01	Monthly Violation
1319326	GPU ENERGY	1/1/01	Coliform	N	RTC 4-18-01	Monthly Violation
1319370	SIZZLER STEAK HOUSE	9/1/01	Coliform	N	RTC 10-9-01	Monthly Violation
1319370	SIZZLER STEAK HOUSE	7/1/01	Coliform	N	RTC 10-9-01	Monthly Violation
1319370	SIZZLER STEAK HOUSE	7/1/01	Coliform	N	RTC 10-9-01	Acute Violation
1319381	BOSTON CHICKEN	4/1/01	Coliform	N	RTC 5-8-01	Monthly Violation
1319381	BOSTON CHICKEN	4/1/01	Coliform	N	RTC 5-8-01	Acute Violation
1319408	TALMUDICAL ACADEMY	4/1/01	Coliform	N	RTC 7-24-01	Monthly Violation
1319446	COASTAL LEARNING CTR GYM	7/1/01	Coliform	N	RTC 10-19-01	Monthly Violation
1319447	SAFE HAVENS-RESID. GROUP	10/1/01	Coliform			Monthly Violation
1319457	WAWA #910	3/1/01	Coliform	N	RTC 4-30-01	Monthly Violation
1326306	QUAIL HILL SCOUT RESERVA	7/1/01	Coliform	N	RTC 10-2-01	Monthly Violation
1326309	OLDE SILVER TAVERN	4/1/01	Coliform	N	RTC 6-7-01	Monthly Violation
1326361	AIR PRODUCTS & CHEMICALS	1/1/01	Coliform	I		Monthly Violation
1328301	CAMP ARROWHEAD	7/1/01	Coliform			Monthly Violation/ Seasonal
1328307	YMCA CAMP ARROWHEAD	7/1/01	Coliform	N	RTC 10-11-01	Monthly Violation
1332306	BELLA NAPOLI	4/1/01	Coliform	N	RTC 8-6-01	Monthly Violation
1332322	PRIMAVERA PIZZARIO	4/1/01	Coliform	N	RTC 1-9-02	Monthly Violation
1332322	PRIMAVERA PIZZARIO	7/1/01	Coliform		RTC 1-9-02	Monthly Violation
1332352	MILLSTONE BD OF EDUCATION	8/1/01	Coliform		RTC 9-30-01	Monthly Violation
1336316	CARTON ET ALS LEGAL	9/1/01	Coliform			Monthly violation
1336316	CARTON ET AL	9/1/01	Coliform			Acute Violation
1351308	IMLAYSTOWN SCHOOL	7/1/01	Coliform			Monthly Violation
1351315	GASKO OIL COMPANY	4/1/01	Coliform	I	RTC 11-19-01	Monthly Violation
1414333	MILTON INN	7/1/01	Coliform		RTC 10-26-01	Acute Violation
1414333	MILTON INN	7/1/01	Coliform		RTC 10-26-01	Monthly Violation
1414334	NEW ORLEANS STEAK HOUSE	8/1/01	Coliform		RTC 10-23-01	Monthly Violation
1414335	MILTON PINES	8/1/01	Coliform		RTC 9-30-01	Monthly Violation
1414335	MILTON PINES	7/1/01	Coliform		RTC 9-30-01	Monthly Violation
1414346	JEFFERSON FITNESS CENTER	9/1/01	Coliform		RTC 10-22-01	Monthly Violation

PWID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comments
1414346	JEFFERSON FITNESS CENTER	7/1/01	Coliform		RTC 8-29-01	Monthly Violation
1414367	JEFFERSON TWP DAY CARE	4/1/01	Coliform		RTC 7-31-01	Acute Violation
1414367	JEFFERSON TWP DAY CARE	4/1/01	Coliform		RTC 7-31-01	Monthly Violation
1415304	STONEBROOK SCHOOL	4/1/01	Coliform		RTC 7-31-01	Monthly Violation
1415304	STONEBROOK SCHOOL	4/1/01	Coliform		RTC 7-31-01	Acute Violation
1417300	FAIRLEIGH-DICKINSON UNIVERSITY	8/1/01	Coliform		RTC 9-30-01	Monthly Violation
1419302	MOUNT ST JOHN ACADEMY	10/1/01	Coliform		RTC 1-16-02	Monthly Violation
1421351	RESOLUTION PACKAGING	7/1/01	Coliform		RTC 10-18-01	Monthly Violation
1421351	RESOLUTION PACKAGING	7/1/01	Coliform		RTC 10-18-01	Acute Violation
1422304	LEWIS MORRIS PARK-AREA A	7/1/01	Coliform		RTC 9-28-01	Monthly Violation
1422304	LEWIS MORRIS PARK-AREA A	7/1/01	Coliform		RTC 9-28-01	Acute Violation
1422306	TWIN OAKS TENNIS CENTER	7/1/01	Coliform		RTC 10-31-01	Monthly Violation
1427330	MT OLIVE SCHOOL BUS GARA	1/1/01	Coliform		RTC 4-30-01	Monthly Violation
1427334	CUMBERLAND FARMS	10/1/01	Coliform		RTC 10-30-01	Monthly Violation
1427341	BOAT HOUSE	4/1/01	Coliform		RTC 6-30-01	Monthly Violation
1427355	PATEL LIQUOR & DELI	10/1/01	Coliform		RTC 11-30-01	Monthly Violation
1427365	ENVIR. TRANSPORT GROUP I	7/1/01	Coliform		RTC 11-27-01	Monthly Violation
1427365	ENVIR. TRANSPORT GROUP I	7/1/01	Coliform		RTC 11-27-01	Acute Violation
1427373	ONYX ENVIRONMENTAL SERVICES	7/1/01	Coliform		RTC 8-24-01	Monthly Violation
1427373	ONYX ENVIRONMENTAL SERVICES	4/1/01	Coliform		RTC 8-24-01	Monthly Violation
1427397	BAGELS AND MORE	10/1/01	Coliform		RTC 11-30-01	Monthly Violation
1429304	RICCIARDI BROS.	8/1/01	Coliform		RTC 10-30-01	Monthly Violation
1429304	RICCIARDI BROS.	7/1/01	Coliform		RTC 10-30-01	Monthly Violation
1432331	LA STRADA RESTAURANT	4/1/01	Coliform		RTC 5-24-01	Monthly Violation
1432349	PLAZA 415/LEARNING ACADEMY	12/1/01	Coliform		RTC 1-23-02	Monthly Violation
1435330	CAMP LEWIS	10/1/01	Coliform		RTC 6-7-02	Monthly Violation
1436306	KINGTOWN MOTEL	4/1/01	Coliform		RTC 6-22-01	Monthly Violation
1436306	KINGTOWN MOTEL	6/1/01	Coliform		RTC 6-22-01	Monthly Violation
1436362	ROXBURY CORPORATE CENTER	7/1/01	Coliform		RTC 11-2-01	Monthly Violation
1436362	ROXBURY CORPORATE CENTER	7/1/01	Coliform		RTC 11-2-01	Acute Violation

PWID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comments
1505306	GPU ENERGY	7/1/01	Coliform	E	NOV 10/25/01	Monthly Violation
1505342	DOWNE'S BAIT & TACKLE SHOP	10/1/01	Coliform	E	RTC 11-9-01	Monthly Violation
1505342	DOWNE'S BAIT & TACKLE SHOP	10/1/01	Coliform	E	RTC 11-9-01	Acute Violation
1507308	OCEAN CNTY PRIVATE INDUS	4/1/01	Coliform	E	RTC 7-9-01	Monthly Violation
1511324	ROVA FARMS	7/1/01	Coliform	N	RTC 10-16-01	Monthly Violation
1511328	VILLAGE DONUT SHOP	4/1/01	Coliform	N	RTC 6-18-01	Monthly Violation
1511328	VILLAGE DONUT SHOP	4/1/01	Coliform	N	RTC 6-18-01	Acute Violation
1511390	LAKWOOD ESTONIAN CLUB	7/1/01	Coliform	N	RTC 9-4-01	Acute Violation
1511392	BLACK FOREST BUTCHER SHO	4/1/01	Coliform	N	RTC 7-17-01	Monthly Violation
1514346	SHENANDOAH FIELD	4/1/01	Coliform	N	RTC 6-4-01	Monthly Violation
1514350	AUTO ACCENTS/CYCLE ACCENTS	7/1/01	Coliform	N	RTC 10-16-01	Acute Violation
1518313	READE MFG CO-BLDG 11 & 2	7/1/01	Coliform	N	RTC 10-16-01	Monthly Violation
1518338	WHITING BIBLE CHURCH	10/1/01	Coliform	E	RTC 11-9-01	Monthly Violation
1518338	WHITING BIBLE CHURCH	7/1/01	Coliform	E	RTC 11-29-01	Monthly Violation
1530381	MARGO'S INN & MARINA	1/1/01	Coliform	N	RTC 2-21-01	Monthly Violation
1533318	THE STEAMED CRAB	7/1/01	Coliform	E	RTC 9-21-01	Acute Violation
1602301	SHELL OIL CO	4/1/01	Coliform		RTC 12-18-01	Monthly Violation
1605302	GREG'S MOBIL	10/1/01	Coliform		RTC 12-31-01	Monthly Violation
1611304	RINGWOOD ST PARK-BACK PI	10/1/01	Coliform		RTC 3-16-02	Monthly Violation
1611313	PATRICKS RESTAURANT	12/1/01	Coliform		RTC 3-30-02	Monthly Violation
1611314	RINGWOOD PLAZA SHOPPING	9/10/01	MTBE		NOV 11/21/01	Referred to BUST-11/3/01. Gas station shut down.
1615325	MACOPIN SCHOOL	10/1/01	Coliform		RTC 11-30-01	Monthly Violation
1615331	PROJECT U.S.E.	10/1/01	Coliform		RTC 11-30-01	Monthly Violation
1615373	WEST MILFORD ELK'S LODGE	7/1/01	Coliform		RTC 9-1-01	Monthly Violation
1615381	COUNTRY RDS DELI & CATER	8/1/01	Coliform		RTC 10-31-01	Monthly Violation
1615381	COUNTRY RDS DELI & CATER	7/1/01	Coliform		RTC 10-31-01	Monthly Violation
1615386	STRENGTH IN OUR SISTERS	4/1/01	Coliform		RTC 10-15-01	Monthly Violation
1615386	STRENGTH IN OUR SISTERS	1/1/01	Coliform		NOV 4/27/01	Monthly Violation
1701306	ALLOWAY VILLAGE INN	4/1/01	Coliform	R	PN requested	Monthly Violation
1709303	RICHMAN ICE CREAM COMPANY	1/1/01	Coliform	R	PN requested	Monthly Violation

PWID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comments
1802300	FELLOWSHIP DEACONRY INC	4/1/01	Coliform			Monthly Violation
1802312	FAR HILLS COUNTRY DAY SC	10/1/01	Coliform			Monthly Violation
1805346	COLONIAL MOTORS	7/1/01	Coliform			Monthly Violation
1805380	STATION HOUSE	10/1/01	Coliform			Monthly Violation
1806309	FRATERNAL ORDER OF EAGLE	10/1/01	Coliform			Monthly Violation
1808318	HIGH ROAD UPPER SCHOOL	4/1/01	Coliform			Monthly Violation
1808318	HIGH ROAD UPPER SCHOOL	7/1/01	Coliform			Monthly Violation
1808341	PILLAR OF FIRE-ALMA WHIT	7/1/01	Coliform			Monthly Violation
1808341	PILLAR OF FIRE-ALMA WHIT	7/1/01	Coliform			Acute Violation
1809300	VITO'S PIZZERIA	7/1/01	Coliform			Monthly Violation
1810313	PETROCK'S BAR	4/1/01	Coliform		RTC 6-4-01	Monthly Violation
1810314	FARLEY'S TAVERN	1/1/01	Coliform			Monthly Violation
1810314	FARLEY'S TAVERN	3/1/01	Coliform			Monthly Violation
1810328	CAMP AGNES DEWITT	7/1/01	Coliform			Monthly Violation
1810342	BETAR INC.	4/1/01	Coliform		RTC 5-15-01	Acute Violation
1810342	BETAR INC.	4/1/01	Coliform		RTC 5-15-01	Monthly Violation
1810345	RCN RESIDENTIAL COMM. NETWORK	4/1/01	Coliform		RTC 7-31-01	Monthly Violation
1810349	RARITAN VALLEY MONTESSORI SCH	1/1/01	Coliform			Acute Violation
1810349	RARITAN VALLEY MONTESSORI SCH	4/1/01	Coliform			Monthly Violation
1810349	RARITAN VALLEY MONTESSORI SCH	1/1/01	Coliform			Monthly Violation
1813307	PRINCETON AIR PARK	7/1/01	Coliform			Acute Violation
1813307	PRINCETON AIR PARK	7/1/01	Coliform			Monthly Violation
1813307	PRINCETON AIR PARK	10/1/01	Coliform		RTC 2-21-02	Monthly Violation
1902300	STEWARTS OF SUSSEX	7/1/01	Coliform		RTC 8-7-01	Monthly Violation
1902321	TRUSTEES OF HARMONY LODGE	7/1/01	Coliform		RTC 9-30-01	Monthly Violation
1902321	TRUSTEES OF HARMONY LODGE	4/1/01	Coliform		RTC 9-30-01	Monthly Violation
1902335	ANDOVER AEROFLEX	4/1/01	Coliform			Monthly Violation, Inactive

PWID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comments
1902342	THE CELLAR	7/1/01	Coliform		RTC 8-19-01	Monthly Violation
1904300	BYRAM CONSOLIDATED SCHOO	1/1/01	Trichloroethylene		RTC 2-9-01	
1904353	SUSSEX COUNTY NISSAN	4/1/01	Coliform		RTC 5-24-01	Monthly Violation
1904353	SUSSEX COUNTY NISSAN	1/1/01	Coliform		RTC 5-24-01	Monthly Violation
1904353	SUSSEX COUNTY NISSAN	1/1/01	Carbon tetrachloride		RTC 6-15-01	Installed
1904353	SUSSEX COUNTY NISSAN	7/1/01	Coliform		RTC 10-26-01	Monthly Violation
1904360	TOMAMHAWK LAKES, INC.	7/1/01	Coliform		RTC 9-7-01	Monthly Violation
1905302	EDGEMONT CAMPGROUND	1/1/01	Coliform		RTC 8-27-01	Acute Violation
1905302	EDGEMONT CAMPGROUND	1/1/01	Coliform		RTC 8-27-01	Monthly Violation
1905302	EDGEMONT CAMPGROUND	4/1/01	Coliform		RTC 8-27-01	Monthly Violation
1905310	FOR MY CHILDREN	10/1/01	Coliform		RTC 11-29-01	Monthly Violation
1905310	FOR MY CHILDREN	10/1/01	Coliform		RTC 11-29-01	Monthly Violation
1905322	LAKESIDE TAVERN	1/1/01	Coliform		RTC 6-1-01	Monthly Violation
1905328	THE PINES INN/PINES RETI	9/1/01	Coliform		RTC 10-31-01	Monthly Violation
1905328	THE PINES INN/PINES RETI	9/1/01	Coliform		RTC 10-31-01	Acute Violation
1905337	COUNTRY PIZZA	10/1/01	Coliform		RTC 11-29-01	Monthly Violation
1905337	COUNTRY PIZZA	10/1/01	Coliform		RTC 11-29-01	Monthly Violation
1906302	THE FONE BOOTH RESTAURAN	7/1/01	Coliform		RTC 10-3-01	Monthly Violation
1907307	LUCHETTI'S BAR	10/1/01	Coliform		RTC 11-26-01	Monthly Violation
1908318	GREEN VALLEY BEACH CAMPGROUND	7/1/01	Coliform		RTC 10-2-01	Monthly Violation
1908319	GREEN VALLEY BEACH CAMPGROUND	7/1/01	Coliform		RTC 10-2-01	Monthly Violation
1908319	GREEN VALLEY BEACH CAMPGROUND	7/1/01	Coliform		RTC 10-2-01	Acute Violation
1909300	THE MARKET PLACE	2/1/01	Coliform		RTC 3-28-01	Monthly Violation
1909300	THE MARKET PLACE	2/1/01	Coliform		RTC 3-28-01	Monthly Violation
1910327	KITTATINNY REG HIGH SCHO	6/1/01	Coliform		RTC 7-31-01	Monthly Violation
1910329	MC DONALDS	7/1/01	Coliform		RTC 8-13-01	Monthly Violation
1911300	HARDYSTON TWP SCHOOL	1/1/01	Tetrachloroethylene		Compliance agreement 3/26/01	

PWID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comments
1911311	SWING IN DELI/LIQUORS	4/1/01	Coliform		RTC 5-7-01	Monthly Violation
1911331	HARDYSTON PLAZA NORTH	1/1/01	Coliform		RTC 3-23-01	Acute Violation
1911331	HARDYSTON PLAZA NORTH	1/1/01	Coliform		RTC 3-23-01	Monthly Violation
1913306	LAKELAND ANDOVER SCHOOL	10/1/01	Coliform		RTC 10-31-01	Monthly Violation
1914314	MONTAGUE DAIRY QUEEN	1/1/01	Coliform		RTC 3-2-01	Monthly Violation
1914316	HIGH POINT ST PK-DAY USE AREA	7/1/01	Coliform		RTC 10-17-01	Monthly Violation
1914332	CEDAR RIDGE CAMPGROUND	1/1/01	Coliform		RTC 5-8-01	Monthly Violation
1918325	CAMP SACAJAWEA	4/1/01	Coliform		RTC 7-18-01	Monthly Violation
1918326	THE WHITE VILLAGE INN	10/1/01	Coliform		RTC 11-30-01	Monthly Violation
1922304	DAYS INN	1/1/01	Coliform		RTC 2-28-01	Monthly Violation
1922306	WAWAYANDA STATE PARK	7/1/01	Coliform		RTC 3-14-02	Monthly Violation
1922334	HIDDEN VALLEY SKI AREA (7/1/01	Coliform		RTC 8-31-01	Monthly Violation
1922366	SAXONY BAKERY	4/1/01	Coliform		RTC 6-20-01	Monthly Violation
1922372	CONGRUENT MACHINE CO., I	1/1/01	Coliform			Monthly Violation, Inactive
1922384	TALL TIMBERS CAMP GROUND WELL3	10/1/01	Coliform		RTC 5-23-02	Monthly Violation
1924303	BEN FRANKLIN WELL	1/7/01	MTBE			Inactive. On public community(5-1-01) 1921001.
1924321	AMES RUBBER-PLANT 3	10/1/01	Coliform		RTC 11-5-01	Monthly Violation
1924329	FRANKLIN SUSSEX AUTOMALL, INC.	1/1/01	Coliform		RTC 3-26-01	Acute Violation
1924329	FRANKLIN SUSSEX AUTOMALL, INC.	2/1/01	Coliform		RTC 3-26-01	Monthly Violation
2019306	TUSCON DAIRIES INC	4/1/01	Coliform		RTC 7-31-01	Acute Violation
2019306	TUSCON DAIRIES INC	4/1/01	Coliform		RTC 7-31-01	Monthly Violation
2104300	GPU GENERATION INC	7/1/01	Coliform		RTC 9-7-01	Monthly Violation
2104300	GPU GENERATION INC	7/1/01	Coliform		RTC 9-7-01	Acute Violation
2104306	ST. JUDES CHILD CARE CTR	7/1/01	Coliform		RTC 9-30-01	Monthly Violation
2105321	VICTAULIC INC	4/1/01	Nitrate			
2105321	VICTAULIC INC.	1/1/99	Fluoride		RTC 8-3-01	
2105321	VICTAULIC INC	10/1/01	Nitrate			
2105321	VICTAULIC INC	7/1/01	Nitrate			

PWID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comments
2105326	ASBURY GRAPHITE MILLS, INC.	1/1/01	Coliform		RTC 4-4-01	Acute Violation
2105326	ASBURY GRAPHITE MILLS, INC.	1/1/01	Coliform		RTC 4-4-01	Monthly Violation
2106304	FOREST MANOR RETIREMENT	7/1/01	Coliform		RTC 10-9-01	Monthly Violation
2106304	FOREST MANOR RETIREMENT	7/1/01	Coliform		RTC 10-9-01	Acute Violation
2106309	JAMES ALEXANDER CORP.	1/1/01	1,1 - Dichloroethylene		RTC 6-5-01	
2106309	JAMES ALEXANDER CORP.	1/1/01	Nitrate		RTC 6-5-01	
2106310	MARKSBORO DELI	7/1/01	Coliform		RTC 8-8-01	Monthly Violation
2109307	PRINCETON EDUCATION CENT	4/1/01	Coliform		RTC 6-21-01	Monthly Violation
2109307	PRINCETON EDUCATION CENT	7/1/01	Coliform		RTC 8-2-01	Monthly Violation
2114316	RON & GEORGES TAVERN	4/1/01	Coliform		RTC 6-27-01	Monthly Violation
2114316	RON & GEORGES TAVERN	7/1/01	Coliform		RTC 12-27-01	Monthly Violation
2116309	HOFFMANS HME OF FINE BAK	4/1/01	Coliform		RTC 10-5-01	Monthly Violation
2117317	OXFORD VOLUNTEER FIRE CO	4/1/01	Coliform		RTC 7-11-01	Monthly Violation
2122312	ERNIE & DOM'S PIZZERIA	7/1/01	Coliform		RTC 12-19-01	Monthly Violation
2122324	GUS MAKKOS	7/1/01	Coliform		RTC 10-30-01	Monthly Violation
2122324	GUS MAKKOS	4/1/01	Nitrate			
2123323	RED WOLFE INN	1/1/01	Nitrate			

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 = Return to Compliance

Appendix E: Noncommunity Water System 2001 Action Level Violations New Jersey Department of Environmental Protection

PWID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comments
0102302	BALLYS ATLANTIC CITY	12/31/01	Lead			Need Base Monitoring
0108350	SOUTH JERSEY GAS CO	6/30/01	Copper	R	NOV 5-11-01	
0108373	HERITAGE TRAILS MOBILE HOME PK	12/31/01	Copper			Transient system. Not req. to monitor.
0108395	WONDER YEARS DAY CARE	12/31/01	Lead		NOV 2-28-02	
0109302	ESTELL MANOR SCHOOL	6/30/01	Copper		RTC 6-30-02	
0109304	MANOR WOODS	6/30/01	Copper	R	RTC 5-2-01	
0110307	SOUTH JERSEY GAS CO	12/31/01	Copper	R	NOV 11-26-01	
0110307	SOUTH JERSEY GAS CO	12/31/01	Lead	R	NOV 11-26-01	
0110309	KERR CONCRETE PIPE CO	12/31/01	Copper		NOV 11-8-01	
0110309	KERR CONCRETE PIPE CO	12/31/01	Lead		NOV 11-8-01	
0111310	THE RAMS HEAD INN	12/31/01	Copper	R		
0111376	PILGRIM ACADEMY -#2 (GYM)	6/30/01	Lead		RTC 6-30-02	
0111421	ATLANTICARE KIDS AT A.C.M.C.	6/30/01	Copper			Inactive
0111421	ATLANTICARE KIDS AT A.C.M.C.	12/31/01	Copper			Inactive
0111421	ATLANTICARE KIDS AT A.C.M.C.	12/31/01	Lead			Inactive
0113337	KESSLER DIALYSIS UNIT	6/30/01	Copper			Referred for enforcement, 1/29/02
0113337	KESSLER DIALYSIS UNIT	12/31/01	Copper			Referred for enforcement, 1/29/02
0113337	KESSLER DIALYSIS UNIT	6/30/01	Lead			Referred for enforcement, 1/29/02

PWID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comments
0113337	KESSLER DIALYSIS UNIT	12/31/01	Lead			Referred for enforcement, 1/29/02
0117315	NJ STATE POLICE LABORATO	12/31/01	Lead			Transient. Monitoring for their interest
0117320	ROANWELL CORP	12/31/01	Copper		NOV 1-25-02	
0263307	ELMERS COUNTRY STORE	6/30/01	Lead		PN REQ.7-27-01	Transient system. Not required to monitor
0306308	FORTRESS GSA	6/30/01	Copper	I	NOV 2-12-02	
0306309	POLYONE CORP	12/31/01	Copper	R	NOV 2-12-02	
0336321	GREEN BANK ELEMENTARY SC	12/31/01	Copper	R	NOV 4-30-02	
0336321	GREEN BANK ELEMENTARY SC	12/31/01	Lead	R	NOV 4-30-02	
0435327	INTERPROD, INC.	12/31/01	Copper	R	NOV 1-19-02	
0435327	INTERPROD, INC.	6/30/01	Copper	R	NOV 1-19-02	
0435367	THOMAS RICHARDS SCHOOL	6/30/01	Copper	R		
0435367	THOMAS RICHARDS SCHOOL	6/30/01	Lead	R		
0435375	WATERFORD ELEMENTARY	6/30/01	Copper	R	NOV 5-9-02	
0435375	WATERFORD ELEMENTARY	12/31/01	Copper	R		
0435375	WATERFORD ELEMENTARY	6/30/01	Lead	R		
0436353	U.S. COMPONENTS-OFFICE	6/30/01	Copper		NOV 7-2-01	
0436357	WINSLOW PROFESSIONAL CTR	6/30/01	Copper	R	NOV 10-24-01	
0436357	WINSLOW PROFESSIONAL CTR	6/30/01	Lead	R		
0504402	BISHIP MC HUGH CATHOLIC SCHOOL	6/30/01	Copper	R	RTC 1-2002	

PWID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comments
0506367	EASTERN SHORE NURSING HO	6/30/01	Lead	R		
0506374	WHITESBORO HEAD START	6/30/01	Lead	R	RTC 2-2001	
0511305	UPPER TWP MIDDLE SCHOOL	12/31/01	Copper	R		
0511348	CEDAR SQUARE LIMITED	6/30/01	Copper	R		
0602301	HALEYVILLE MAURICETOWN SCHOOL	6/30/01	Lead	R	RTC 2-2001	
0603301	CUMBERLAND CNTY TECHNICAL ED	12/31/01	Lead	R	RTC 1-2002	
0603303	DEERFIELD ELEMENTARY SCH	12/31/01	Lead	R		
0605300	FAIRFIELD ADULT MED DAY CARE	6/30/01	Copper	R	RTC 1-2002	
0605300	FAIRFIELD ADULT MED DAY CARE	12/31/01	Copper	R	RTC 1-2002	
0605300	FAIRFIELD ADULT MED DAY CARE	12/31/01	Lead	R	RTC 1-2002	
0605309	FAIRFIELD TWP PRIMARY SCHOOL	6/30/01	Copper	R	RTC 2-2001	
0607302	HOPEWELL CREST SCHOOL	6/30/01	Copper	R	RTC 2-2001	
0607311	DEVEROUX FOUNDATION	6/30/01	Copper	E	RTC 2-2001	
0607311	DEVEROUX FOUNDATION	6/30/01	Lead	E	RTC 2-2001	
0609300	MAUR RIV TWP BD OF ED PO	12/31/01	Copper	R		
0610301	CUMBERLAND CO GUIDANCE C	6/30/01	Copper	R	RTC 1-2002	
0610301	CUMBERLAND CO GUIDANCE C	12/31/01	Copper	R	RTC 1-2002	
0610301	CUMBERLAND CO GUIDANCE C	12/31/01	Lead	R	RTC 1-2002	

PWID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comments
0611300	SHILOH ELEMENTARY SCHOOL	12/31/01	Lead	R		
0611300	SHILOH ELEMENTARY SCHOOL	12/31/01	Copper	R		
0612300	STOW CREEK ELEM. SCHOOL	12/31/01	Lead	R	RTC 1-2002	
0614344	SENIOR CARE OF VINELAND	12/31/01	Copper	R		
0802304	INTERNATIONAL ROLL FORM	6/30/01	Lead		NOV 1-1-02	
0805342	FRANKLINVILLE ADULT TRAINING	6/30/01	Copper	R	WATER TRMT INSTALLED 7-3-01	
0805342	FRANKLINVILLE ADULT TRAINING	6/30/01	Lead	R	WATER TRMT INSTALLED 7-30-01	
0805344	MARYVILLE INC.	6/30/01	Copper	R	COMP.AGREE-MENT	Reclassify as transient
0805344	MARYVILLE INC.	6/30/01	Lead	R	COMP.AGREE-MENT	Reclassify as transient
0809311	LOGAN GENERATING PLANT	12/31/01	Lead		PN REC 10-17-01	
0817305	KINGSWAY REGIONAL SCHOOL	12/31/01	Copper		NOV 2-19-02	
0818335	ABC EXPRESS INC	6/30/01	Lead		NOV 7-3-01	
0818429	CLASSIC TOYOTA	12/31/01	Copper	I		
0818469	JOSEPH FAZZIO, INC.	12/31/01	Lead		PN REQ 11-9-01	
1001303	DELAWARE VALLEY REGIONAL	6/30/01	Lead	N	RTC 12-31-01	
1006353	GREY ROCK VILLAGE	6/30/01	Lead	R		Letter 1/23/02
1006353	GREY ROCK VILLAGE	12/31/01	Lead	R		Letter 1/23/02
1006363	HIS LOVING ARMS	6/30/01	Copper	R		Letter 3/4/02
1006363	HIS LOVING ARMS	6/30/01	Lead	R		Letter 3/4/02

PWID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comments
1019301	UNTERDON HILLS RESIDENTIAL HOM	6/30/01	Copper	N		Additional sampling
1021308	BARLEY SHEAF SCHOOL	6/30/01	Lead	N		Additional sampling
1021377	ST PAUL CHRISTIAN NURSERY	12/31/01	Copper	N		Additional sampling
1021377	ST PAUL CHRISTIAN NURSERY	12/31/01	Lead	N		Additional sampling
1101303	PRINCETON WINDSOR OFFICE	12/31/01	Copper	R	NOV 7-29-02	
1101303	PRINCETON WINDSOR OFFICE	12/31/01	Lead	R	NOV 7-29-02	
1202302	MACK PROPERTIES #12	12/31/01	Lead			
1202315	AMERICAN CABINETRY	12/31/01	Lead			
1202315	AMERICAN CABINETRY	6/30/01	Copper			
1202315	AMERICAN CABINETRY	12/31/01	Copper			
1202315	AMERICAN CABINETRY	6/30/01	Lead			
1213316	COUNTRY VIEW REST HOME	6/30/01	Lead			
1213316	COUNTRY VIEW REST HOME	12/31/01	Lead			
1309319	COLTS NECK PROFESSIONAL	12/31/01	Lead			
1319440	WONDERLAND PRESCHOOL	6/30/01	Copper			
1319444	N.J. TRANSIT BUS OPERAT	12/31/01	Lead	R, U		
1402307	MSM/SHAMROCK T.I.C. WELL # 2	6/30/01	Lead		RTC 12-31-01	
1402308	MSM/SHAMROCK T.I.C. WELL # 3	6/30/01	Lead		RTC 12-31-01	
1407300	CHESTER TWP BOARD OF EDUCATION	6/30/01	Lead		RTC 12-31-01	
1407303	BLACK RIVER MIDDLE SCHOO	12/31/01	Lead		RTC 6-30-02	

PWID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comments
1414308	CONSOLIDATED SCHOOL	6/30/01	Lead			
1414308	CONSOLIDATED SCHOOL	12/31/01	Lead			
1414403	MILTON ELEMENTARY	12/31/01	Lead			
1415304	STONEBROOK SCHOOL	12/31/01	Lead		RTC 6-30-02	
1415305	OUR LADY OF THE MAGNIFIC	6/30/01	Copper			
1415305	OUR LADY OF THE MAGNIFIC	6/30/01	Lead			
1427308	CHESTER M STEPHENS ELEM SCHOOL	12/31/01	Copper			
1427310	LAKEVIEW PLAZA	12/31/01	Lead		RTC 6-30-02	
1427310	LAKEVIEW PLAZA	12/31/01	Copper			
1427364	ENVIRONMENTAL DEVELOPMENT ASSC	6/30/01	Copper		RTC 6-30-02	
1427364	ENVIRONMENTAL DEVELOPMENT ASSC	6/30/01	Lead		RTC 6-30-02	
1427373	ONYX ENVIRONMENTAL SERVICES	12/31/01	Lead		RTC 6-30-02	
1427389	ENTERPRIZE PARK	12/31/01	Lead			
1432325	RANDOLPH COUNTRY DAY SCHOOL	12/31/01	Lead			
1433301	DECKER TRANSPORT	6/30/01	Lead		RTC 12-31-01	
1436338	FREHAM INVESTMENT CORPORATION	6/30/01	Lead		RTC 12-31-01	
1436354	ADAM METAL PRODUCTS	12/31/01	Lead			
1436364	PRC CORPORATION	12/31/01	Copper			
1505306	GPU ENERGY	6/30/01	Copper		RTC 12-31-01	
1505306	GPU ENERGY	6/30/01	Lead	R	RTC 12-31-01	
1505312	CRYSTAL LAKE HEALTH CARE	6/30/01	Lead	E	RTC 6-30-02	
1505323	BERKLEY TWP MUNICIPAL CO	6/30/01	Copper	E	NOV 2-6-02	Monitoring schedule

PWID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comments
1505359	BERKELEY TWP REC BLDG	6/30/01	Copper	E	NOV 10-18-01	
1505365	OCEAN COUNTY UTILITIES A	6/30/01	Copper	E	RTC 12-31-01	
1505387	HEADSTART	12/31/01	Copper	N	RTC 6-30-02	
1511414	YOUNG AT HEART	6/30/01	Copper	R	OCCT INSTALLED	
1512388	AMERGEN ENERGY-OYSTER CREEK	12/31/01	Lead	R	NOV (2nd) 2-7-02	
1514318	LARSON FORD (AUTO SALES	12/31/01	Lead	R	NOV (2nd) 2-11-02	
1518339	ORGO - THERMIT (WELL #1)	6/30/01	Copper	R	NOV (2nd) 2-11-02	
1520367	GINGERBREAD HOUSE CHILD CARE	6/30/01	Copper	R	NOV (2nd) 2-8-02	
1611321	DARET INC. WELL #2	6/30/01	Lead		RTC 1-1-02	
1615367	MCKEAGE'S TAVERN	12/31/01	Lead		WATER TRMT. REC.	
1703306	EL SINBORO SCHOOL	6/30/01	Copper	E	RTC 2-2002	
1704302	LOWER ALLOWAYS CREEK SCH	12/31/01	Lead	R	PN REC 12-21-01	
1710328	EATMORE INC.	12/31/01	Copper	R		
1714300	MATER DEI NURSING HOME	6/30/01	Lead	R	PN REQ 8-16-01	
1802312	FAR HILLS COUNTRY DAY SC	12/31/01	Copper			
1902350	BEDTIME (GARY ERMAN)	6/30/01	Lead		RTC 12-31-01	
1905330	ROSS CORNER PROPERTIES	6/30/01	Lead		RTC 6-30-02	
1922318	VERNON TWP BD OF ED G ME	12/31/01	Lead			
2110302	HARKERS HOLLOW GOLF CLUB	6/30/01	Copper			

PWID	System Name	Violation Date	Contaminant Name	Treatment Status	Compliance Status	Comments
2119302	INGERSOLL RAND PUMP CO	12/31/01	Lead			
2122320	WITTE COMPANY	12/31/01	Lead		RTC 6-30-02	
2123308	WARREN RESIDENTIAL GROUP	12/31/01	Lead			

KEY TO APPENDIX E:

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

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

Appendix F

2001 Significant Consumer Confidence Notification Violations

PWID	System Name	Comments
1922013	DC Water Company	Administrative Order issued by Enforcement on 11-30-01
1922015	Walnut Hill Water Company	Administrative Order issued by Enforcement on 11-30-01. System being purchased by United Water

Appendix G

MCL Violations Related to Additional Monitoring in New Jersey

Transient Noncommunity Water Systems with Volatile Organic MCL Violations

PWID	System Name	Violation Date	Contaminant Name	Treatment	Compliance Status	Comments
0212301	CANDLEWYCK DINER	1/1/01	Tetrachloroethylene		RTC 11-20-01	Referred to county
0215302	EXXON USA 3-2025	1/1/01	Trichloroethylene			
1436306	KINGTOWN MOTEL	1/15/01	MTBE		RTC 5-3-01	
1436306	KINGTOWN MOTEL	1/1/01	Benzene		RTC 5-3-01	

Nontransient Noncommunity Water Systems with Radionuclide MCL Violations

PWID	System Name	Violation Date	Contaminant Name	Treatment	Compliance Status
0105321	TUCKAHOE ENTERPRISES	2/6/01	Combined Radium (-226 & -228)	R	Public notice requested 4/18/01
0105321	TUCKAHOE ENTERPRISES	2/6/01	Gross alpha particle activity	R	Public notice requested 4/18/01
0105339	RICHLAND GLASS CO., INC.	2/6/01	Combined Radium (-226 & -228)	R	Public notice requested 4/18/1
0113357	KESSLER PROFESSIONAL COMPLEX	2/6/01	Combined Radium (-226 & -228)	R	Public notice requested 4/18/01
0436357	WINSLOW PROFESSIONAL CTR	5/23/01	Combined Radium (-226 & -228)	R	Public notice requested 9/11/01
0436357	WINSLOW PROFESSIONAL CTR	5/23/01	Gross alpha particle activity	R	Public notice requested 9/11/01

PWID	System Name	Violation Date	Contaminant Name	Treatment	Compliance Status
0436409	LITTLE FOLK LEARNING CTR	7/2/01	Gross alpha particle activity		Public notice requested 4/16/02
0436457	KELLOG CO	5/23/01	Gross alpha particle activity	R	Public notice requested 9/11/01
0436462	CHRIST CARE UNITED MISSI	2/21/01	Combined Radium (-226 & -228)		Public notice requested 4/18/01
0436462	CHRIST CARE UNITED MISSI	2/21/01	Gross alpha particle activity		Public notice requested 4/18/01
0436486	SAR INDUSTRIAL FINISHES	5/23/01	Gross alpha particle activity		Public notice requested 9/11/01
0436486	SAR INDUSTRIAL FINISHES	5/23/01	Combined Radium (-226 & -228)		Public notice requested 9/11/01
0436489	BERSHIRE IVY GARDENS	5/23/01	Combined Radium (-226 & -228)	R	Public notice requested 9/11/01
0436489	BERSHIRE IVY GARDENS	5/23/01	Gross alpha particle activity	R	Public notice requested 9/11/01
0603303	DEERFIELD ELEMENTARY SCH	4/25/01	Gross alpha particle activity	R	Public notice requested 7/19/01
0603303	DEERFIELD ELEMENTARY SCH	4/25/01	Combined Radium (-226 & -228)	R	Public notice requested 7/19/01
0603308	F & S PRODUCE	2/5/01	Gross alpha particle activity	R	Public notice requested 4/18/01
0603308	F & S PRODUCE	2/5/01	Combined Radium (-226 & -228)	R	Public notice requested 4/18/01
0607311	DEVEROUX FOUNDATION	4/25/01	Gross alpha particle activity	R	Public notice requested 7/19/01
0607311	DEVEROUX FOUNDATION	4/25/01	Combined Radium (-226 & -228)	R	Public notice requested 7/19/01
0610301	CUMBERLAND CO GUIDANCE C	2/5/01	Gross alpha particle activity	R	Public notice requested 4/18/01
0610301	CUMBERLAND CO GUIDANCE C	2/5/01	Combined Radium (-226 & -228)	R	Public notice requested 4/18/01

PWID	System Name	Violation Date	Contaminant Name	Treatment	Compliance Status
0613302	UPPER DEERFIELD PRE-SCHO	2/5/01	Combined Radium (-226 & -228)	R	Public notice requested 4/18/01
0613302	UPPER DEERFIELD PRE-SCHO	2/5/01	Gross alpha particle activity	R	Public notice requested 4/18/01
0613305	SEABROOK BROTHERS AND SO	4/25/01	Combined Radium (-226 & -228)	R	Public notice requested 7/19/01
0613305	SEABROOK BROTHERS AND SO	4/25/01	Gross alpha particle activity	R	Public notice requested 7/19/01
0804313	BAMBI CHILD CARE CENTER	9/19/01	Gross alpha particle activity	R	Public notice requested 2/25/02
0804313	BAMBI CHILD CARE CENTER	9/19/01	Combined Radium (-226 & -228)	R	Public notice requested 2/25/02
0807301	EL DUPONT DENEMOURS & CO	5/2/01	Gross alpha particle activity	R	Public notice requested 9/11/01
0811392	WILLIAMSTOWN PAVILLION	4/24/01	Combined Radium (-226 & -228)	R	Public notice requested 7/19/01
1710328	EATMORE INC.	2/5/01	Gross alpha particle activity	R	Public notice requested 6/7/01
1710328	EATMORE INC.	2/5/01	Combined Radium (-226 & -228)	R	Public notice requested 6/7/01
1710335	GARDEN OF LEARNING PRESC	9/19/01	Combined Radium (-226 & -228)	R	Public notice requested 1/31/02
1710335	GARDEN OF LEARNING PRESC	9/19/01	Gross alpha particle activity	R	Public notice requested 1/31/02