

# **Safe Drinking Water Act Violations 2005**



**New Jersey  
Department of Environmental Protection  
Water Supply Administration  
Bureau of Safe Drinking Water**

**Chris Christie, Governor  
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## **Introduction**

The federal Safe Drinking Water Act in Section 1414(c)(3)(A) requires States to prepare an annual report on violations of the national primary drinking water regulations by public water systems in the State. This report covers the period of January 1, 2005 to December 31, 2005.

This report includes violations of (a) maximum contaminant levels, (b) treatment technique requirements, (c) variances and exemptions, and (d) monitoring requirements determined to be significant by the Administrator of the U.S. Environmental Protection Agency (USEPA). The statutory language requiring an Annual Report by states and distribution of report summaries appears in Appendix A.

Several new radiological regulations went into effect in 2005. Points of entry rather than distribution systems are now sampled; the uranium MCL was implemented; and sampling protocols for radium 226/228 were altered to require testing within 48 hours for greater accuracy.

### **The Drinking Water Program: An Overview**

Under the Safe Drinking Water Act of 1974, and subsequent 1986 and 1996 Amendments, USEPA sets national limits on contaminant levels in drinking water to ensure drinking water is safe for human consumption. These limits are known as Maximum Contaminant Levels (MCLs). USEPA establishes treatment techniques instead of an MCL to control unacceptable levels of some contaminants. 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 frequently monitoring/reporting (M/R) must occur. Finally, the USEPA requires public notification, including a clear and understandable explanation of the nature of the violation, its potential adverse health effects, what the PWS is doing 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 regulate PWSs themselves, an authority called primacy. To receive primacy, States must meet certain requirements, including adoption of drinking water regulations at least as strict as Federal regulations and demonstration they can enforce requirements. Of the 57 States and Territories, all but Wyoming and the District of Columbia have primacy.

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

## Annual State PWS Reports

The annual compliance summary report that States are required to submit to USEPA provides a total annual representation of the numbers of violations for each of four categories (MCLs, treatment techniques, variances and exemptions, and significant monitoring violations), as well as names of the systems with violations. USEPA stores these violation data in the Safe Drinking Water Information System (SDWIS), on which this report is based.

## Public Water Systems

A Public Water System (PWS) provides water 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: community (CWS--such as towns), nontransient noncommunity (NTNC--such as schools or factories with their own wells), or transient noncommunity systems (TNC--such as rest stops or parks with their own wells). When “PWS” is used in this report, it means systems of all types unless specified otherwise.

At the end of 2005, New Jersey listed 4,107 (estimated) public water systems in its inventory. These included an estimated 613 community water systems, 869 nontransient noncommunity water systems, and 2,625 transient noncommunity water systems. The number of systems constantly changes due to mergers, opening and closing of businesses, hookups of NTNC or TNC with community water systems, or changes in use that result in fewer than 25 people being served. Table 1 depicts changes in the number of public water systems since 1996; numbers for 2004-2005 are estimated:

**Table 1: Public Water Systems in New Jersey**

<b>Year</b>	<b>Community Water Systems</b>	<b>Nontransient Noncommunity Water Systems</b>	<b>Transient Noncommunity Water Systems</b>	<b>Total</b>
2005	613	869	2,625	4,107
2004	611	868	2,637	4,116
2003	609	867	2,649	4,125
2002	604	884	2,650	4,138
2001	606	891	2,689	4,186
2000	606	936	2,707	4,249
1999	616	968	2,839	4,423
1998	615	962	2,887	4,464
1997	612	1,034	3,066	4,712
1996	612	1,038	3,090	4,740

## Maximum Contaminant Level

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

The New Jersey Safe Drinking Water Act outlines procedures for setting State drinking water standards, which must be equal to or stricter than federal standards. As a result, twelve volatile organic compounds and one synthetic organic compound have New Jersey MCLs stricter than federal MCLs (Table 2).

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

<b>Contaminant</b>	<b>New Jersey MCL (ug/l)</b>	<b>USEPA MCL (ug/l)</b>
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, five volatile organic compounds regulated as primary contaminants by New Jersey are not federally regulated (Table 3). The remaining USEPA-regulated compounds share the same MCL, federal or state.

**Table 3: Volatile Organic Compounds Regulated as Primary Contaminants by NJDEP but not Federally Regulated**

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

All regulated contaminants and their federal and state MCLs appear in Table 8.

### **Treatment Techniques**

For some contaminants, USEPA establishes treatment techniques instead 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 allow a public water system to deviate from the MCL under certain conditions when exceptionally poor source water conditions prevent compliance with that drinking water standard. Exemptions allow a public water system extra time to comply with a newly adopted drinking water standard. When operating under variations or exemptions, water systems must still provide drinking water that protects public health. Since NJDEP never issues any variations or exemptions, the subchapter that described the process for granting variations and exemptions to water systems in New Jersey, N.J.A.C. 7:10-6, was repealed effective November 4, 2004.

## **Monitoring**

A PWS is required to monitor and verify that the levels of contaminants present in the water do not exceed the MCLs. If a PWS fails to have its water tested as required, then a monitoring violation occurs. A monitoring violation also includes failure to report test results correctly to the primacy agency.

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

## **Significant Consumer Notification Violations**

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

## **Additional Monitoring in New Jersey**

### **Radiological**

Sampling of wells tapping southern New Jersey's Cohansey aquifer has shown elevated levels of naturally occurring radioactivity, with a significant portion of the gross alpha particle activity detected due to the presence of radium 224, a radionuclide with a half-life of 3.7 days. There is no federal or state standard for radium 224; only community water systems are currently required to sample for gross alpha particle activity.

As a result, NJDEP began requiring analysis of drinking water samples for gross alpha particle activity within 48 hours, instead of up to a year after collection as allowed by the



Federal Rule. If samples are analyzed quickly, gross alpha particle activity is detected that would not normally be detected due to radium 224's short half-life. The New Jersey Drinking Water Quality Institute (DWQI), a 15-member advisory body to NJDEP on drinking water issues, determined in 2002 that analyzing samples within 48 hours for gross alpha particle activity protects public health and a MCL for radium 224 was not needed.

### **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, several such systems in New Jersey report to the State on these tests, because the State sampled these water supplies during investigation into nearby groundwater contamination or (less often) they initiated sampling on their own. In either case, if an MCL is exceeded, an MCL violation letter is issued and NJDEP works with the transient noncommunity water system to bring it into compliance as soon as possible.

### **Summary of Violation Data**

Individual water system MCL and treatment technique violations for community and noncommunity water systems appear in Appendices B and D, respectively. Appendix C lists community water system action level violations of the Lead and Copper Rule; nontransient noncommunity Lead and Copper Rule violations appear in Appendix E. Appendices F-H cover Consumer Confidence Report violations (see end of this section), violations of additional monitoring requirements (see prior section), and instructions on how to obtain the current status of violations in Appendices B-G, respectively.

Following is a summary of 2005 violation data for each contaminant group, followed by consumer notification violations.

### **Microbiological**

**MCL Violations.** As depicted in Table 4, the total number of Total Coliform Rule (TCR)MCL violations nearly doubled in 2005 (204) compared to 2004 (123). Of those violations, 22 acute violations occurred in 2005 compared to 6 in 2004, and the number of monthly violations increased to 182 in 2005 from 116 in 2004.

Microbial quality as measured by the Total Coliform Rule continues to yield good results for the monitoring performed in 2007. The percentage of public water systems with a TCR MCL violation for public water systems rose (3.6% in 2005, 2.7% in 2004). The number of systems with acute TCR MCL violations nearly tripled from 2004 (7) to 2005 (20), and the number of systems with monthly TCR MCL violations (140) in 2005 increased from 2004 (105). Because 20,000 or more total coliform tests are run each year, with between one and several hundred microbiological samples for each public water system, about 99% of these samples are better than the standard for total coliform.

Table 4 (next page) shows acute and monthly Total Coliform Rule MCL violations since 1996.

Monitoring/Reporting Violations. Table 5 (next page) depicts the total number of coliform rule monitoring/reporting violations (531) for all public water systems in 2005. The total number of monitoring/reporting violations in 2005 has increased compared to 2004 (413). Out of 4,107 PWS, 376 PWS (9%) missed sampling at least once during 2005.

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

Year	Total Coliform Rule MCL Violations			Systems with Total Coliform Rule MCL Violations			
	Acute	Monthly	Total	Acute	Monthly	Total	Percent
2005	22	182	204	20	140	146	3.6
2004	6	116	123	6	105	110	2.7
2003	21	172	193	21	129	131	3.6
2002	22	167	189	19	139	139	3.3
2001	41	229	270	40	195	198	4.7
2000	31	264	295	30	198	199	4.7
1999	44	181	225	41	141	143	3.2
1998	25	113	138	25	105	106	2.4
1997	15	122	137	14	95	109	2.3
1996	38	134	172	35	112	115	2.4

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

Year	Total Coliform Rule Monitoring/Reporting Violations	Systems with Total Coliform Rule Monitoring/Reporting Violations	Percentage of Systems that Missed Sampling at Least Once During the Year
2005	531	376	9%
2004	413	308	7%
2003	817	600	14%
2002	645	464	11%
2001	692	477	11%
2000	1,070	667	16%
1999	1,468	859	19%
1998	1,736	972	22%
1997	2,195	1,216	26%
1996	2,805	1,384	29%

Treatment Technique Violation. Surface water systems or ground water under the direct influence of surface water systems serving 10,000 or more people must comply with the

Interim Enhanced Surface Water Treatment Rule. For systems using conventional filtration or direct filtration, the turbidity level of representative samples of a system's filtered water must be less than or equal to 0.3 NTU (nephelometric turbidity units) in at least 95 percent of the measurements taken each month. The turbidity level of representative samples of a system's filtered water must at no time exceed 1 NTU. There were no treatment technique violations for 2005.

**Organic Chemicals**

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

MCL Violations. Of the community water systems and nontransient noncommunity water systems that monitored for VOCs in 2005, 3 MCL violations were issued at 3 systems for volatile organic compounds (in 2004, 13 MCL violations at 6 systems).

Monitoring/Reporting Violations. As seen in Table 6, a total of 161 water systems had at least one VOC monitoring violation. The total number of monitoring/reporting violations for VOCs in Table 6 is 7,032, a decrease from 2004 (8,050). This is remarkable given that 1) each missed VOC sample gets counted as 26 separate monitoring/reporting (M/R) violations, representing each of the 26 New Jersey regulated VOC compounds, and 2) some water systems have many entry points (treatment plants) each of which is monitored and can be assessed a violation for insufficient quarterly follow-up samples as a result of a detection of a VOC in the water system in 2005. For purposes of this 2005 report, the number of violations also includes those systems that did not sample in the correct year of the three-year compliance period (2005-2007).

**Table 6: Volatile Organic Compound Monitoring/Reporting Violations**

<b>Year</b>	<b>Volatile Organic Compound Monitoring/Reporting Violations</b>	<b>Systems with Volatile Organic Compound Monitoring/Report Violations</b>
2005	7,032	161
2004	8,050	221
2003	13,702	215
2002	8,242	131
2001	7,098	116
2000	10,972	159
1999	13,676	208
1998	12,740	181
1997	16,926	229
1996	15,756	176

**Synthetic Organic Compounds (SOCs) Rule:**

MCL Violations. This group of compounds, mostly pesticides, benefits from the extensive studies and the monitoring and waiver program that has been developed. Every three years,

community and nontransient noncommunity water systems are required to either sample for certain SOCs or obtain a waiver from sampling. Most affected public water systems in New Jersey obtain waivers from sampling. As part of this waiver process, every three years the Bureau of Safe Drinking Water Technical Assistance collects samples from a select number of wells that serve community and nontransient noncommunity water systems and nearly all surface water bodies that supply water to community and nontransient noncommunity water systems. Surface water samples are taken under both storm conditions and base flow conditions. Raw water samples (before any treatment) are taken from ground water systems when possible. If significant detections are found in the raw water samples, another raw water and a finished water (point of entry) sample are collected. Samples were taken in 2003 and will be taken again in 2006.

Monitoring/Reporting Violations. As NJDEP conducts targeted statewide SOC monitoring, there were no requirements for routine monitoring and thus no M/R violations in 2005.

### **Total Trihalomethanes, Total Haloacetic Acids and Disinfectant Byproduct Precursors:**

MCL Violations. There were 10 MCL violations at four systems for total trihalomethanes in 2005 (versus seven at three in 2004) and 7 MCL violations for total haloacetic acids at three systems (versus six at two in 2004).

Monitoring/Reporting Violations. There were 234 monitoring/reporting (M/R) violations for trihalomethanes at 142 systems, and 237 M/R violation for haloacetic acids at 145 systems, in 2005. This compares to 337 M/R violations for trihalomethanes at 212 systems, and 368 M/R violation for haloacetic acids at 227 systems, in 2005, plus one M/R violation for removing DBP precursors.

### **Inorganic Chemicals**

MCL Violations. Excluding nitrate, in 2005 there were zero MCL violations for inorganic chemicals. This compares to 32 MCL violations at eight systems for non-nitrate inorganics in 2004.

In 2005, 46 nitrate MCL violations occurred at 28 water systems, compared to 63 in 39 systems in 2004. Only one of these violations occurred in a community water system, so the problem was with noncommunity water systems (Table 7).

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

Monitoring/Reporting Violations. Total nitrate monitoring/reporting violations increased from 334 in 2004 to 423 in 2005 (Table 7). Systems with nitrate monitoring/reporting violations went from a total of 275 in 2004 to 343 in 2005.

**Table 7: Nitrate MCL and Monitoring/Reporting Violations**

<b>Year</b>	<b>Nitrate MCL Violations</b>	<b>Systems with Nitrate MCL Violations</b>	<b>Percent</b>	<b>Nitrate Monitoring/Reporting Violations</b>	<b>Systems with Nitrate Monitoring/Reporting Violations</b>	<b>Percent</b>
2005	46	28	0.7	423	343	8.4
2004	63	39	0.9	334	275	6.7
2003	42	30	0.7	726	439	10.6
2002	33	21	0.5	438	323	7.8
2001	29	18	0.4	403	290	6.9
2000	24	19	0.4	538	403	9.5
1999	29	26	0.6	642	540	12.2
1998	17	17	0.4	696	596	13.4
1997	24	19	0.4	1,258	1,035	22.0
1996	41	28	0.6	1,594	1,269	26.8

**Lead and Copper Rule:**

Action Level Violations. In 2005, three Action Level (AL) violations for lead occurred for two systems, while five copper violations occurred for four systems. This compared to 2004 figures of zero AL violations.

Monitoring/Reporting Violations. There were 356 M/R violations for 306 systems in 2005, compared to 320 violations for 262 systems in 2004.

**Radiological Rule:**

MCL Violations. During 2005, four systems violated the gross alpha standard, while five violated the radium 226/228 standard, for a total of 26 violations in six systems. One gross alpha violation occurred in 2004. There were no violations of the uranium MCL.

Monitoring/Reporting Violations. There were nine monitoring/reporting violations for gross alpha for 2005, and eight violations each for radium and uranium, for a total of 25 violations in four systems. There was one M/R violation for gross alpha in 2004.

**Consumer Notification Violations:**

One community water system received a consumer notification violation for failure to submit a 2005 Consumer Confidence Report (representing 2004 drinking water test results). This information appears in Table 8 and Appendix G.

## **Summary**

The quality of New Jersey's public drinking water continues to be excellent. Overall, the Division of Water Supply, with support from NJDEP's Water Compliance and Enforcement Element, and county health agencies, continues progress in addressing MCL, treatment technique, and monitoring violations. The Bureau of Safe Drinking Water Technical Assistance 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.

<b>State:</b>	<b>New Jersey</b>
<b>Reporting Interval:</b>	<b>January 1, 2005- December 31, 2005</b>

**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
	<b>Organic Contaminants</b>								
2981	1,1,1-Trichloroethane	0.2	0.03	0	0			269	151
2977	1,1-Dichloroethylene	0.007	0.002	0	0			269	151
2985	1,1,2-Trichloroethane	0.005	0.003	0	0			269	151
2378	1,2,4-Trichlorobenzene	0.07	0.009	0	0			269	151
2931	1,2-Dibromo-3-chloropropane (DBCP)	0.0002		0	0			0	0
2980	1,2-Dichloroethane	0.005	0.002	0	0			269	151
2983	1,2-Dichloropropane	0.005		0	0			269	151
2063	2,3,7,8-TCDD (Dioxin)	$3 \times 10^{-8}$		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, 2005- December 31, 2005

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			269	151
2306	Benzo[a]pyrene	0.002		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2046	Carbofuran	0.04		0	0			0	0
2982	Carbon tetrachloride	0.005	0.002	0	0			269	151
2959	Chlordane	0.002	0.0005	Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2380	Cis-1,2-Dichloroethylene	0.07		0	0			269	151
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	Methylene chloride	0.005	0.003	0	0			269	151
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, 2005- December 31, 2005

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			269	151
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, 2005- December 31, 2005

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			269	71
2968	1,2-Dichlorobenzene	0.6		0	0			269	70
2969	1,4-Dichlorobenzene	0.075		0	0			269	71
2383	Total polychlorinated biphenyls	0.0005		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2326	Pentachlorophenol	0.001		0	0			0	0
2987	Tetrachloroethylene	0.005	0.001	1	1			270	152
2984	Trichloroethylene	0.005	0.001	1	1			269	151
2996	Styrene	0.1		0	0			269	151
2991	Toluene	1		0	0			269	151
2979	Trans-1,2-Dichloroethylene	0.1		0	0			269	151
2955	Xylenes (total)	10	1	0	0			269	151

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

State:	New Jersey
Reporting Interval:	January 1, 2005- December 31, 2005

SDWIS Codes		MCL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
2020	Toxaphene	0.003		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2036	Oxamyl	0.2		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2040	Picloram	0.5		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2037	Simazine	0.004		Statewide waiver	Statewide water			Statewide waiver	Statewide waiver
2976	Vinyl chloride	0.002		0	0			269	151
2967	1,3-Dichlorobenzene		0.6	0	0			276	158
2978	1,1-Dichloroethane		0.05	0	0			276	158
2251	Methyl tertiary-butyl ether		0.07	1	1			278	158
2248	Naphthalene		0.3	0	0			276	158
2988	1,1,2,2-Tetrachloroethane		0.001	0	0			276	158
	<b>Subtotal Organics</b>			3	3			7032	161

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

State:	New Jersey
Reporting Interval:	January 1, 2005- December 31, 2005

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			5	5
1005	Arsenic	0.05		0	0			5	5
1094	Asbestos	7 million fibers/l >10 $\mu$ m/l		0	0			0	0
1010	Barium	2		0	0			5	5
1075	Beryllium	0.004		0	0			5	5
1015	Cadmium	0.005		0	0			5	5
1020	Chromium	0.1		0	0			6	6
1024	Cyanide (as free cyanide)	0.2		0	0			8	8
1025	Fluoride	4.0		0	0			5	5
1035	Mercury	0.002		0	0			7	6
1036	Nickel							5	5
1040	Nitrate	10 (as Nitrogen)		46	28			423	343
1041	Nitrite	1 (as Nitrogen)		0	0			0	0

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

State:	New Jersey
Reporting Interval:	January 1, 2005- December 31, 2005

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			5	5
1085	Thallium	0.002		0	0			5	5
1038	Total nitrate and nitrite	10 (as Nitrogen)		See SDWIS code 1040	See SDWIS code 1040			See SDWIS code 1040	See SDWIS code 1040
	Radionuclide MCLs								
4000	Gross alpha	15 pCi/l		2	2			9	4
4010	Radium-226 and -228	5 pCi/l		16	5			8	3
4101	Gross beta	4 mrem/yr		0	0			0	0
URM	Uranium		0.03	0	0			8	3
	<b>Subtotal inorganics plus radionuclides</b>			64	34			513	354

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

State:	New Jersey
Reporting Interval:	January 1, 2005- December 31, 2005

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
	Total Coliform Rule								
21	Acute MCL Violation	Presence		22	20				
22	Non-acute (monthly) MCL violation	Presence		182	140				
23, 25	Major routine and follow up monitoring							531	376
28	Sanitary survey*							0	0
	<b>Subtotal Total Coliform Rule</b>			204	146			531	376

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

State:	New Jersey
Reporting Interval:	January 1, 2005- December 31, 2005

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							0	0
41	Treatment techniques					0	0		
	Unfiltered systems								
31	Monitoring, routine/repeat							0	0
42	Failure to filter					0	0		
	<b>Subtotal Surface Water Treatment Rule</b>					0	0	0	0

State:	New Jersey
Reporting Interval:	January 1, 2005 - December 31, 2005

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



State:	New Jersey
Reporting Interval:	January 1, 2005 - December 31, 2005

SDWIS Codes		*MCL/ MRDL (µg/l)		MCL/.MRDL Violations		Treatment Technique Violations		Significant Monitoring/Reporting	
		Federal MCL/ MRDL	State MCL/ MRDL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
	Stage 1 Disinfectants and Disinfection Byproducts Rule								
27	Monitoring and Reporting (237 HAA5 and 234 TTHM for 145 and 142 systems)							471	151
02	Average MCL (TTHMS)	80		10	4				
02	Average MCL (HAA5)	60		7	3				
02	Average MCL Bromate	10		0	0				
02	Average MCL Chlorite	1000		0	0				
11	MRDL Chlorine	4.0 ppm as chlorine		0	0				
11	MRDL Chloramine	4.0 ppm as chlorine		0	0				
11	MRDL Chlorine Dioxide	800		0	0				
13	MRDL Acute			0	0				
12, 37, 46	Treatment Techniques			0	0	1	1	0	0
	<b>Subtotal of Stage 1 Disinfectants and Disinfection Byproducts Rule.</b>			17	7	1	1	471	151

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

State:	New Jersey
Reporting Interval:	January 1, 2005- December 31, 2005

SDWIS Codes		Action Level (µg/l)		Action Level Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal Action Level	State Action Level (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
PB	Lead		15	3	2				
CU	Copper		1,300	5	4				
	Lead and Copper Rule								
51	Initial lead and copper tap M/R							52	38
52	Follow up or routine lead and copper tap M/R							304	268
58,62	Treatment installation					0	0		
65	Public Education					0	0		
	<b>Subtotal Lead and Copper Rule</b>			8	5	0	0	356	306

State:	New Jersey
Reporting Interval:	January 1, 2005- December 31, 2005

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

State:	New Jersey
Reporting Interval:	January 1, 2005- December 31, 2005

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

SDWIS Codes		MCL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
	Organic Contaminants for transient noncommunity water systems								
2977	1,1 Dichloroethylene	0.007	0.002	0	0				
2984	Trichloroethylene	0.005	0.001	0	0				
2987	Tetrachloroethylene	0.005	0.001	0	0				

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

### **Definitions for Violations Tables 8 and 9**

The following definitions apply to the Summary of Violations table.

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

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

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

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

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

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

SDWIS Violation code 29 occurs under the following conditions:

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

SDWIS Violation Code 38 occurs under the following conditions:

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

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

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

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

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

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

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

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

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

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

**Monitoring:** USEPA specifies which water testing methods the water systems must use, and sets schedules for the frequency of testing. A water system that does not follow USEPA's schedule or methodology is in violation [40 CFR 141].

States must report monitoring violations that are significant as determined by the USEPA Administrator and in consultation with the States. For purposes of this report, significant monitoring violations are major violations and they occur when no samples are taken or no results are reported during a compliance period. A major monitoring violation for the surface water treatment rule occurs when at least 90% of the required samples are not taken or results are not reported during the compliance period.

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

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

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

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

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



**Reporting Interval:** The reporting interval for violations to be included in the first PWS Annual Compliance Report, which is to be submitted to USEPA by January 1, 1998, is from July 1, 1996 through June 30, 1997. This interval will change for future annual reports. See guidance language for these intervals.

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

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

Violations of the “Surface Water Treatment Rule” are to be reported for the following four categories:

*Monitoring, routine/repeat (for filtered systems):* SDWIS Violation Code 36 indicates a system’s failure to carry out required tests, or to report the results of those tests.

*Treatment techniques (for filtered systems):* SDWIS Violation Code 41 shows a system’s failure to properly treat its water.

*Monitoring, routine/repeat (for unfiltered systems):* SDWIS Violation Code 31 indicates a system’s failure to carry out required water tests, or to report the results of those tests.

*Failure to filter (for unfiltered systems):* SDWIS Violation Code 42 shows a system’s failure to properly treat its water. Data for this violation code will be supplied to the States by USEPA.

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

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

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

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

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

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

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

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

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

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

*Monitoring Reporting (M/R):* SDWIS Violation Code 27 address insufficient sample collection for samples required under the Stage 1 DBPR.

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

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

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

*Major routine and follow-up monitoring:* SDWIS Violation Codes 23 AND 25 show that a system did not perform any monitoring.

[One number is to be reported for the sum of violations in these two categories.]

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

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

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

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

## **Appendix A**

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

### **(A) ANNUAL REPORT BY STATE**

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

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

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

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

## Appendix B: Community Water System 2005 MCL and Treatment Technique Violations in New Jersey

(See Appendix H for instructions on finding current status of these violations)

System ID	System Name	Contaminant	Violation Date
NJ0111004	Pomona Mobile Home Park	Gross Alpha, Incl Radium/Uranium	6/30/2005
NJ0248001	Ramsey Water Department	Coliform, Total	8/31/2005
NJ0408001	Camden City Dept Of Public Works	Trichloroethylene	12/31/2005
NJ0436001	Ancora Psychiatric Hospital	Coliform, Total	6/30/2005
NJ0601001	Bridgeton City Water Department	Radium, Combined (226, 228)	9/30/2005
		Gross Alpha, Incl Radium/Uranium	6/30/2005
		Gross Alpha, Incl Radium/Uranium	12/31/2005
		Gross Alpha, Incl Radium/Uranium	12/31/2005
		Gross Alpha, Incl Radium/Uranium	9/30/2005
		Radium, Combined (226, 228)	12/31/2005
NJ0610001	Millville Water Department	Radium, Combined (226, 228)	12/31/2005
		Gross Alpha, Incl Radium/Uranium	12/31/2005
NJ0612001	Bayshore Mobile Home Park	Nitrate	9/30/2005
NJ0614003	Vineland Water & Sewer Utility	Radium, Combined (226, 228)	12/31/2005
		Gross Alpha, Incl Radium/Uranium	12/31/2005
		Gross Alpha, Incl Radium/Uranium	12/31/2005
		Gross Alpha, Incl Radium/Uranium	12/31/2005
		Radium, Combined (226, 228)	12/31/2005
NJ0702001	Bloomfield Water Department	Total Haloacetic Acids	6/30/2005
		Total Haloacetic Acids	3/31/2005
		Total Haloacetic Acids	12/31/2005
NJ0714001	Newark Water Department	Total Haloacetic Acids	3/31/2005
		Total Haloacetic Acids	6/30/2005
NJ0715001	North Caldwell Water Dep	Coliform, Total	10/31/2005
NJ0815001	Pitman Water Department	Coliform, Total	11/30/2005
NJ0902001	East Newark Water Department	Coliform, Acute	8/31/2005
NJ1025001	Edna Mahan Correctional	Coliform, Total	10/31/2005
NJ1111001	Trenton Water Works	Total Trihalomethanes	3/31/2005
NJ1309001	Us Naval Weapons Station	Total Trihalomethanes	9/30/2005
		Total Trihalomethanes	3/31/2005
		Total Trihalomethanes	6/30/2005
NJ1316001	Freehold Twp Water Dept	Coliform, Total	12/31/2005
NJ1321001	Keansburg Water & Sewer Dept.	Coliform, Total	8/31/2005
NJ1332314	Ave Care Inc	Coliform, Total	8/31/2005
NJ1402001	Merry Heart Of Boonton Twp	Coliform, Total	10/31/2005
NJ1409001	Dover Water Commission	Coliform, Total	6/30/2005
NJ1414006	Lozier's Trailer Park	Coliform, Total	10/31/2005
		Coliform, Total	12/31/2005

<b>System ID</b>	<b>System Name</b>	<b>Contaminant</b>	<b>Violation Date</b>
NJ1414006	Lozier's Trailer Park (continued)	Coliform, Total	11/30/2005
NJ1414008	Oak Ridge Mobile Home Park	Coliform, Total	7/31/2005
		Coliform, Total	6/30/2005
NJ1431001	Pequannock Twp Water Dep	Coliform, Total	8/31/2005
NJ1507005	United Water Toms River	Radium, Combined (226, 228)	6/30/2005
		Radium, Combined (226, 228)	9/30/2005
		Radium, Combined (226, 228)	9/30/2005
		Radium, Combined (226, 228)	6/30/2005
		Radium, Combined (226, 228)	12/31/2005
		Gross Alpha, Incl Radium	6/30/2005
		Radium, Combined (226, 228)	9/30/2005
		Radium, Combined (226, 228)	3/31/2005
		Radium, Combined (226, 228)	6/30/2005
		Radium, Combined (226, 228)	12/31/2005
NJ1511009	Pleasant Gardens Apartments	Radium, Combined (226, 228)	9/30/2005
		Radium, Combined (226, 228)	12/31/2005
NJ1511016	Meadowbrook Co-Op Inc	Coliform, Total	2/28/2005
NJ1511017	Jackson Colonial Arms Apts	Coliform, Total	5/31/2005
		Coliform, Total	7/31/2005
		Coliform, Total	10/31/2005
		Coliform, Total	9/30/2005
NJ1516001	Little Egg Harbor Twp Municipal Bldg	Coliform, Total	6/30/2005
NJ1912001	Hopatcong Water Department	Coliform, Total	4/30/2005
NJ1921001	Sussex Water Department	Total Haloacetic Acids	6/30/2005
		Total Haloacetic Acids	3/31/2005
NJ1924003	Regency At Sussex Associates	Coliform, Total	7/31/2005
		Coliform, Total	8/31/2005

## Appendix C: Community Water System 2005 Action Level Violations in New Jersey

(See Appendix H for instructions on finding current status of these violations)

<b>System ID</b>	<b>System Name</b>	<b>Contaminant</b>	<b>Violation Date</b>
NJ0233001	Mahwah Water Department	Lead	12/31/2005
NJ0610001	Millville Water Department	Copper	12/31/2005
NJ1309415	Brandywine Assisted Living At Colts Ne	Copper	12/31/2005



## Appendix D: Noncommunity Water System 2005 MCL Violations in New Jersey

(See Appendix H for instructions on finding current status of these violations)

System ID	System Name	Contaminant	Violation Date
NJ0108352	DOT FAA Atl Bld 33 & Bld 208	Coliform, Total	8/31/2005
NJ0108416	Atlantic County Firing Range	Coliform, Total	3/31/2005
NJ0205300	Rudox Engine & Equipment	Tetrachloroethylene	12/31/2005
NJ0220309	High Mountain Golf Club-15th Tee	Coliform, Acute	12/31/2005
		Coliform, Acute	11/30/2005
		Coliform, Total	11/30/2005
		Coliform, Total	12/31/2005
NJ0233302	Darlington County Park	Coliform, Acute	6/30/2005
		Coliform, Total	6/30/2005
NJ0301306	Bass River State Park-South S	Coliform, Total	9/30/2005
NJ0301320	Speedy Deli	Coliform, Total	6/30/2005
NJ0317303	Burlington County Special Services	Coliform, Total	6/30/2005
NJ0332331	Lenape Regional High School	Coliform, Total	5/31/2005
		Coliform, Total	6/30/2005
		Coliform, Total	6/30/2005
NJ0333300	Vincentown Diner	Coliform, Total	1/31/2005
		Coliform, Total	6/30/2005
NJ0335320	Russo's Fruit & Vegetable Market	Nitrate	3/31/2005
NJ0436314	Ray & Alices Sicklerville	Nitrate	3/31/2005
		Nitrate	9/30/2005
		Nitrate	6/30/2005
		Nitrate	12/31/2005
NJ0436409	Inquiring Minds Learning Center	Gross Alpha, Incl Radium	6/30/2005
NJ0436484	Pro Build Shop	Coliform, Acute	12/31/2005
		Coliform, Total	11/30/2005
NJ0506370	Country Playhouse	Nitrate	3/31/2005
		Nitrate	6/30/2005
		Nitrate	12/31/2005
		Nitrate	9/30/2005
NJ0511303	Shoemaker Holly Picnic Area	Coliform, Total	9/30/2005
NJ0602303	Surfside Products	Nitrate	12/31/2005
NJ0605311	Emily's Cafe	Coliform, Acute	3/31/2005
NJ0605314	Laning Brothers Farm - Camp 3b	Nitrate	9/30/2005
NJ0606301	Bait Box Restaurant	Nitrate	6/30/2005
		Coliform, Acute	9/30/2005
		Coliform, Total	9/30/2005
NJ0607302	Hopewell Elementary School	Nitrate	3/31/2005
		Nitrate	9/30/2005

System ID	System Name	Contaminant	Violation Date
NJ0607302	Hopewell Elementary School (continued)	Nitrate	3/31/2005
NJ0608300	Myron Powell School	Nitrate	9/30/2005
NJ0608308	Sheppard Farms	Nitrate	9/30/2005
NJ0609311	Cumberland Country Store	Coliform, Acute	9/30/2005
		Coliform, Total	9/30/2005
NJ0613323	B&S Skating Centers, Inc.	Nitrate	9/30/2005
NJ0614341	Cumberland Family Shelter	Coliform, Total	12/31/2005
NJ0722304	The Manor Restaurant	Coliform, Total	6/30/2005
NJ0722305	High Lawn Pavilion	Coliform, Total	12/31/2005
		Coliform, Total	12/31/2005
NJ0804305	Moods Farm Market	Nitrate	12/31/2005
NJ0805367	Truth Baptist Church	Nitrate	9/30/2005
NJ0805384	Malaga Diner	Nitrate	9/30/2005
		Nitrate	3/31/2005
		Nitrate	9/30/2005
NJ0805388	Township of Franklin	Methyl Tertiary-Butyl Ether	12/31/2005
NJ0811334	Calvary Chapel	Nitrate	6/30/2005
		Nitrate	9/30/2005
		Nitrate	3/31/2005
NJ0818468	M & S Produce Outlet	Nitrate	3/31/2005
NJ1002313	Jugstown Mt Campsites	Coliform, Total	12/31/2005
NJ1006314	Round Valley State Park Rec Area Center	Coliform, Acute	12/31/2005
NJ1006316	Fountain Motel	Coliform, Total	11/30/2005
NJ1006340	Hunterdon Group	Coliform, Acute	12/31/2005
NJ1006341	Route 31 Associates	Nitrate	3/31/2005
		Nitrate	6/30/2005
NJ1006365	Clinton Honda	Nitrate	3/31/2005
		Coliform, Total	3/31/2005
		Coliform, Total	3/31/2005
NJ1007305	Grill 579 Bar & Lounge	Coliform, Total	3/31/2005
		Coliform, Total	12/31/2005
NJ1008309	Carousel Deli & Bakery	Coliform, Total	12/31/2005
NJ1008312	K & S Country Store	Coliform, Total	9/30/2005
NJ1015305	Dutch Mill Market	Coliform, Total	4/30/2005
NJ1016310	Errico's	Coliform, Total	9/30/2005
NJ1018300	Victor Katnura	Coliform, Total	10/31/2005
NJ1022325	Readington Diner	Coliform, Total	9/30/2005
NJ1022341	Walmart Superstore #5069	Coliform, Acute	12/31/2005
		Coliform, Total	10/31/2005
NJ1022346	Stanton General Store	Coliform, Acute	9/30/2005
		Coliform, Total	9/30/2005
NJ1025301	Clinton Station Diner	Coliform, Total	6/30/2005

System ID	System Name	Contaminant	Violation Date
NJ1025320	Louise's Diner	Nitrate	12/31/2005
NJ1026302	South Hunterdon Regional High School	Coliform, Total	9/30/2005
NJ1026308	Oxford Communication	Coliform, Total	4/30/2005
		Coliform, Total	12/31/2005
NJ1026316	Quick Check Food Store	Coliform, Acute	9/30/2005
		Coliform, Total	9/30/2005
NJ1106303	Quick Check Food Store	Coliform, Total	9/30/2005
NJ1106305	Faherty's Pub	Coliform, Total	4/30/2005
		Coliform, Total	3/31/2005
		Coliform, Total	3/31/2005
NJ1106320	Bristol-Myers Squibb Co	Coliform, Total	9/30/2005
NJ1213340	Holland Greenhouse	Coliform, Total	12/31/2005
NJ1309306	Colts Neck Reformed Church	Coliform, Total	9/30/2005
NJ1309312	Mary Ann's Inn	Coliform, Total	9/30/2005
NJ1309313	Colts Neck Township Municipal Bldg	Coliform, Acute	10/31/2005
NJ1316322	Saturn of Freehold	Coliform, Total	5/31/2005
		Coliform, Total	6/30/2005
		Coliform, Total	3/31/2005
		Coliform, Total	6/30/2005
NJ1316325	Irwin Lincoln Mercury Cars	Coliform, Total	12/31/2005
NJ1319395	Universal Imported Foods	Coliform, Total	3/31/2005
NJ1319404	Kobe Restaurant	Coliform, Total	12/31/2005
NJ1332306	Millstone Mall	Coliform, Total	6/30/2005
NJ1332323	Millstone Community Center	Coliform, Total	12/31/2005
NJ1332339	Lunchento's Restaurant	Coliform, Total	9/30/2005
NJ1332364	Sunrise Grocery & Deli	Coliform, Total	12/31/2005
NJ1406319	Larison's Turkey Farm	Nitrate	6/30/2005
		Nitrate	3/31/2005
NJ1407318	CM Offray and Son Inc	Nitrate	12/31/2005
NJ1414323	Portofino's	Coliform, Total	12/31/2005
NJ1414355	Thirsty Moose	Coliform, Acute	9/30/2005
		Coliform, Total	9/30/2005
NJ1414360	Hurdtown Methodist Church	Coliform, Total	6/30/2005
NJ1414403	Milton Elementary School	Coliform, Total	12/31/2005
NJ1415301	Piccolos	Coliform, Total	9/30/2005
		Coliform, Total	3/31/2005
		Coliform, Total	10/31/2005
NJ1422300	Honeywell International Inc	Coliform, Total	7/31/2005
NJ1427324	High Noon Bar & Grill	Coliform, Total	9/30/2005
		Coliform, Total	10/31/2005
NJ1427342	Equity Plaza	Coliform, Total	12/31/2005
NJ1427355	Patel Liquor & Deli	Coliform, Total	9/30/2005
NJ1427381	Exxon USA 3-8994	Coliform, Total	9/30/2005

System ID	System Name	Contaminant	Violation Date
NJ1427381	Exxon USA 3-8994 (continued)	Coliform, Total	9/30/2005
NJ1432331	La Strada Restaurant	Coliform, Total	10/31/2005
NJ1436354	Adam Metal Products	Coliform, Total	6/30/2005
		Coliform, Total	12/31/2005
NJ1436356	Boston Market Corp	Coliform, Total	9/30/2005
		Coliform, Total	9/30/2005
NJ1436358	Reform Temple Shalom	Coliform, Total	6/30/2005
NJ1438325	St Luke's Parish	Coliform, Total	12/31/2005
NJ1507308	Ocean County P.I.C., Inc.	Coliform, Total	6/30/2005
NJ1511304	Cassville Tavern	Coliform, Total	6/30/2005
		Coliform, Total	8/31/2005
NJ1511333	Minit Stop Food Store	Coliform, Acute	10/31/2005
		Coliform, Total	10/31/2005
NJ1511341	Jackson Township Public Works	Coliform, Total	12/31/2005
NJ1514319	Lakewood Toyota	Coliform, Total	12/31/2005
NJ1602308	Upper Montclair Country Club	Coliform, Total	9/30/2005
NJ1615309	County Gourmet	Coliform, Total	3/31/2005
NJ1615310	Pizza Place (Marion Plaza)	Coliform, Total	12/31/2005
NJ1615344	West Milford Town Hall	Coliform, Total	9/30/2005
NJ1615381	Country Roads Deli Inc	Coliform, Total	6/30/2005
NJ1615382	West Milford Bar & Liquor	Coliform, Total	12/31/2005
NJ1615427	Selling Precision Inc	Coliform, Total	12/31/2005
NJ1615434	Mr Won Ton 88	Coliform, Total	9/30/2005
NJ1701317	Tall Pines Camp Grounds	Nitrate	6/30/2005
		Nitrate	12/31/2005
NJ1708300	E I Dupont Chamber Works	Total Trihalomethanes	9/30/2005
		Total Trihalomethanes	6/30/2005
		Total Trihalomethanes	3/31/2005
		Sodium	12/31/2005
NJ1714309	The Store	Nitrate	12/31/2005
		Nitrate	9/30/2005
NJ1902321	Trustees Of Harmony Lodge	Coliform, Total	12/31/2005
NJ1902328	Harvest Restaurant	Coliform, Total	10/31/2005
NJ1902347	Good Shepherd Roman Catholic Church	Coliform, Total	12/31/2005
NJ1902355	NJDEP Division Of Parks & Forestry	Coliform, Total	9/30/2005
NJ1902359	Andover Market	Coliform, Total	9/30/2005
NJ1904350	Classic Bagel & Bake	Coliform, Total	9/30/2005
		Coliform, Total	10/31/2005
NJ1904361	Tomahawk Lake Inc	Coliform, Total	9/30/2005
NJ1905330	Ross Corner Properties	Coliform, Total	3/31/2005
NJ1906313	Transbanc International Invest	Coliform, Total	11/30/2005
		Coliform, Total	10/31/2005
NJ1910304	Aldergate Center	Coliform, Total	6/30/2005

System ID	System Name	Contaminant	Violation Date
NJ1910326	Marion McKeown School	Coliform, Acute	12/31/2005
		Coliform, Total	10/31/2005
NJ1911340	Beaver Hill Campground	Coliform, Total	9/30/2005
		Coliform, Total	9/30/2005
NJ1911346	Black Bear Golf Club	Coliform, Total	10/31/2005
NJ1912329	Hopatcong Head Start	Nitrate	3/31/2005
NJ1912345	E And T Food Market	Nitrate (As N)	3/31/2005
NJ1914319	Candy's Pizza	Coliform, Acute	9/30/2005
		Coliform, Acute	9/30/2005
		Coliform, Total	9/30/2005
NJ1917310	Stokes S F - Shotwell	Coliform, Total	9/30/2005
NJ1917326	Fratelli's Italian Restaurant	Coliform, Total	10/31/2005
NJ1918312	Printing Center	Nitrate	12/31/2005
NJ1918318	Rock Oak Lodge	Coliform, Total	10/31/2005
		Coliform, Total	11/30/2005
NJ1918349	Daggett Kraemer Eliadus Vander	Coliform, Total	11/30/2005
		Coliform, Total	10/31/2005
NJ1920305	Camp Aldersgate-Lake Are	Coliform, Total	9/30/2005
NJ1922313	Sussex County Library	Coliform, Total	10/31/2005
NJ1922321	Lake Wanda Store Inc	Coliform, Total	9/30/2005
NJ1922334	Hidden Valley Family Club	Coliform, Total	7/31/2005
		Coliform, Total	7/31/2005
		Coliform, Total	8/31/2005
		Coliform, Total	6/30/2005
NJ1922376	The Children's School	Coliform, Total	9/30/2005
NJ1924301	High Point Motor Lodge	Coliform, Total	9/30/2005
NJ1924320	Space Farms	Coliform, Total	4/30/2005
NJ1924321	Ames Rubber-Plant 3	Total Trihalomethanes	6/30/2005
		Total Trihalomethanes	12/31/2005
		Total Trihalomethanes	9/30/2005
NJ1924326	Wantage Plaza	Coliform, Total	6/30/2005
NJ1924332	Church Of The Good Shepherd	Coliform, Total	12/31/2005
		Coliform, Total	11/30/2005
NJ1924333	Quick Stop Deli	Coliform, Acute	9/30/2005
		Coliform, Total	9/30/2005
		Coliform, Total	9/30/2005
NJ1924340	Food Barn	Coliform, Total	10/31/2005
NJ1924345	Daredevil Deli LLC	Coliform, Total	6/30/2005
NJ1924350	Second Home Child Care	Coliform, Total	12/31/2005
		Coliform, Total	11/30/2005
NJ2104300	First Energy Visitors Center	Coliform, Total	8/31/2005
		Coliform, Total	9/30/2005
NJ2104307	Blairstown Dairy Queen	Coliform, Total	7/31/2005

System ID	System Name	Contaminant	Violation Date
NJ2104307	Blairstown Dairy Queen (continued)	Coliform, Total	8/31/2005
		Coliform, Total	6/30/2005
NJ2104323	Alpine Meat Market	Coliform, Total	12/31/2005
NJ2104334	A & P Food Market	Coliform, Total	12/31/2005
NJ2105301	Home Plate Dairy	Coliform, Total	9/30/2005
NJ2105306	Candy's Country Cafe	Nitrate	6/30/2005
		Nitrate	12/31/2005
NJ2105308	Sebastiano's	Nitrate	6/30/2005
		Nitrate	9/30/2005
		Coliform, Total	9/30/2005
NJ2106314	Jenny Jump State Park-Site	Coliform, Total	9/30/2005
NJ2107304	Paisano's	Coliform, Total	12/31/2005
NJ2111313	Hope Antiques	Coliform, Total	6/30/2005
NJ2113311	Ellias Creative American Cuisine	Coliform, Total	11/30/2005
NJ2113321	Gulf Truck Stop	Coliform, Total	9/30/2005
NJ2122304	Grapevine Family Restaurant	Coliform, Total	12/31/2005
NJ2122327	Washington Driving Range	Coliform, Acute	12/31/2005
NJ2123304	Hot Dog Johnny's	Coliform, Acute	12/31/2005
		Coliform, Total	12/31/2005
NJ2123316	Apple Mountain Recreation Area	Coliform, Total	7/31/2005
		Coliform, Total	8/31/2005
NJ2123317	Bel-Pike Lanes	Coliform, Total	9/30/2005
NJ2123346	Rite Aid #220	Coliform, Total	7/31/2005
		Coliform, Total	6/30/2005

## Appendix E: Noncommunity Water System 2005 Action Level Violations in New Jersey

(See Appendix H for instructions on finding current status of these violations)

System ID	System Name	Contaminant	Violation Date
NJ0329329	Sybron Chemical	Lead	6/30/2005
		Lead	12/31/2005
		Copper	6/30/2005
		Copper	12/31/2005
NJ1024301	Old Turnpike School	Copper	6/30/2005

## **Appendix F**

### **2005 Significant Consumer Confidence Notification Violations in New Jersey**

(See Appendix H for instructions on finding current status of these violations)

<b>System ID</b>	<b>System Name</b>	<b>Violation Period</b>
NJ0108008	Ocean Heights Trailer Co	7/1/2006
NJ0301001	Buttonwood Mobile Home Park	7/1/2006
NJ1019301	Hunterdon Hills Residential Home	7/1/2006
NJ1438001	Cliffside Park Water Assoc Inc	7/1/2007
NJ1511006	Shady Lake Trailer Park	7/1/2006
NJ1709303	Waddington Richman Inc	7/1/2006



**Appendix G**  
**MCL Violations Related to Additional Monitoring in New Jersey**

**New Jersey Department of Environmental Protection**

(See Appendix H for instructions on finding current status of these violations)

**Transient Noncommunity Water Systems with Volatile Organic MCL Violations**

None in 2005

## Appendix H

### Instructions for Finding Status of Violations

This report provides information on violations of safe drinking water regulations, but not on the current status of those violations (for example, has the problem been corrected?). Below are instructions on how to find out what has happened on a given violation listed in Appendices B-G.

1. Find the system ID number in the first column of the appendix for the violation of interest to you, and write it down (don't need to write down "NJ" part).
2. Go to the New Jersey Department of Environmental Protection website (<http://www.state.nj.us/dep/>).
3. Click on the button labeled "Data Miner," toward the bottom of the left-hand column of the website's home page, under the category "Information Tools."
4. Click on the button labeled "Launch Data Miner" on the right hand side of the page.
5. Click on the blue link "Reports by Category" within the red words toward the top of the page.
6. Click on "Compliance and Enforcement," halfway down the left-hand column on this page.
7. Click on "Access Activity Details," the first bullet below the Compliance and Enforcement title.
8. Click on "Access the Enforcement Violations Reports," 3d bullet
9. Click on "Violations by Program Interest and Date," 6<sup>th</sup> bullet
10. Write the 7-digit system ID number in the first window.
11. Use the pull-down menu for the second window to select "Water Supply" (second category from bottom).
12. Write the appropriate dates in the third (the beginning date should usually be 01/01/XXXX for the year in which the violation occurred) and fourth windows (the ending date should usually be 12/31/XXXX for the year of the violation). A few violations might require a longer period.
13. Click "OK" button.
14. Click "Revise Search" button if results do not produce information you seek.