

State of Delaware Public Drinking Water Annual Compliance Report and Summary for 2024

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Contents

| Executive Summary | 1 |
|--|----|
| State Public Drinking Water Summary, 2024 | 4 |
| Summary of Violations for Regulated Analtyes, Delaware, 2024 | 9 |
| 2024 Enforcement Actions | 14 |
| Program Operation | 15 |
| Systems Out of Compliance | 18 |
| Conclusion | 24 |

Executive Summary

The State of Delaware Public Drinking Water Annual Compliance Report and Summary for 2024 covers the period of January 1 to December 31, 2024. It is provided by the Delaware Department of Health and Social Services, Division of Public Health (DPH), Office of Drinking Water (ODW) to the U.S. Environmental Protection Agency (EPA). Submission of this annual report is an EPA requirement.

Water systems in Delaware must provide safe drinking water to the public in accordance with the Safe Drinking Water Act (SDWA). The State of Delaware Public Drinking Water Annual Compliance Report and Summary for 2024 provides a descriptive overview of all public water systems in Delaware and their compliance status. This document serves as a quick reference for determining whether public water systems are compliant with state and federal regulations.

Delaware residents get their drinking water from either groundwater or surface water sources, depending on where they live. Approximately one-fifth of the residences in Delaware get their water from a well on their property. The remaining residences are connected to a public water system. About two-thirds of Delaware households are connected to public water systems that use groundwater sources; the remaining one-third obtains water from surface water sources. The major sources of groundwater are the Columbia Aquifer, the Cheswold Aquifer, and the Piney Point Aquifer. All surface water plants for Delaware reside in northern New Castle County. The major sources of surface water are the Brandywine River Basin, Christiana River Basin, Red Clay Creek, and White Clay Creek.

Drinking water sources

Community Water System (CWS): A public water system that serves at least 15 service connections used by year-round residents, or regularly serves at least 25 year-round residents. Examples are municipalities and public water utilities.

Non-Transient Non-Community Water System (NTNCWS): A public water system other than a community water system that regularly serves at least 25 of the same persons over six months per year. Examples are schools, daycares, and factories.

Transient Non-Community Water System (TNCWS): A public water system with at least 15 service connections or that regularly serves an average of at least 25 individuals daily at least 60 days of the year. Examples are restaurants, parks, and rest stops.

Surface Water: All water that is open to the atmosphere and subject to surface runoff. Examples are the Brandywine River Basin, Red Clay Creek, and White Clay Creek.

Groundwater: All water held underground in the soil or pores and crevices in rocks. Examples are the Columbia Aquifer, the Cheswold Aquifer, and the Piney Point Aquifer.

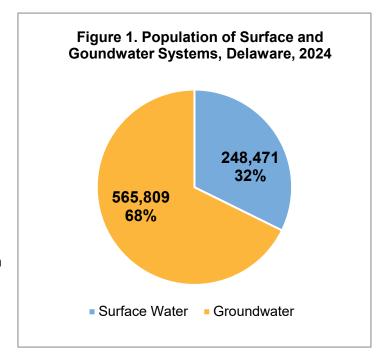
Due to Delaware's small size, DPH monitors most public water systems. The public water systems in Delaware use either groundwater or surface water for their source. In 2024, 68% of Delawareans were served by groundwater systems and 32% were served by surface water systems (Figure 1). A few large water systems conduct their own monitoring and report the results to ODW. Since monitoring requirements increased in recent years, ODW requires community water systems (CWSs) serving more than 1,000 people to collect their own total coliform, nitrate, and monthly fluoride compliance samples. These CWSs must submit those samples to the Delaware Public Health Laboratory (DPHL) or a certified private laboratory for analysis, and then submit results to ODW. Additionally, all CWSs and the NTNCWSs are required to collect samples for compliance with Lead and Copper Rule standards. The samples are analyzed by a certified laboratory and the results are submitted to ODW. TNCWSs are not required to conduct lead and copper monitoring.

ODW performs two types of assessments related to bacteriological testing: Level 1 Assessments (a study of the water system after total coliform bacteria have been detected in the water system) and Level 2 Assessments (a detailed study of the water system after an *E. coli* Maximum Contaminant Level (MCL) violation, and/or multiple occasions when total coliform bacteria have been found in the water system).

In 2024, ODW completed 20 Level 1 and 11 Level 2 Assessments. The number of Level 1 Assessments matched the total conducted in 2023. However, there was an increase of eight Level 2 Assessments. The increase is primarily due to consistent enforcement of the Revised Total Coliform Rule.

The total number of monitoring and reporting violations under the Lead and Copper Rule (LCR) increased from 11 in 2023 to 31 in 2024. The increase in violations is due to not following up with water systems to ensure they collected their samples. To decrease these numbers, ODW will work more closely with the affected systems.

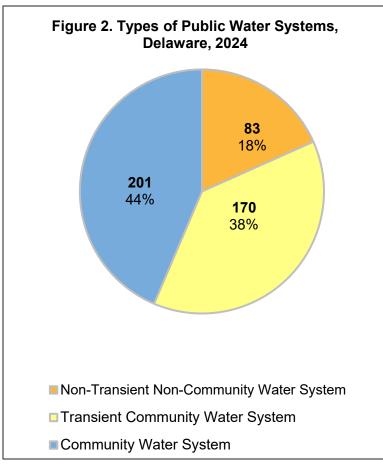
There were six action level exceedances for lead and copper in 2024, a slight increase of one from 2023. ODW is working with all these systems to return to, and remain in, compliance.



Source: Delaware Department of Health and Social Services, Division of Public Health, Office of Drinking Water, 2025

The U.S. Congress passed the SDWA in 1974. The EPA established the Public Water System Supervision (PWSS) program under the authority of the SDWA to regulate drinking water

provided by public water systems. Under the SDWA and its 1986 and 1996 amendments, the EPA set national limits on drinking water contaminant levels to ensure that water is safe for human consumption. These limits are known as Maximum Contaminant Levels. When there is no reliable method that is economically and technically feasible to measure a contaminant at



Source: Delaware Department of Health and Social Services, Division of Public Health, Office of Drinking Water, 2025 concentrations to indicate there is not a public health concern, EPA sets a "treatment technique" rather than an MCL. The State of Delaware adopted these limits for use in state regulations governing public drinking water systems.

The SDWA allows a state to seek primacy, an EPA approval to administer its own PWSS program. The State of Delaware was granted primacy in April 1978. For Delaware to continue to receive primacy, it must meet certain SDWA requirements, including adopting drinking water regulations that are at least as stringent as the federal regulations. The State must also demonstrate that it can enforce the program requirements. DPH is the entity responsible for monitoring and enforcing drinking water regulations; it does so through ODW.

ODW staff generated the data in this report. Violation information was obtained from the Safe Drinking Water Information System/State (SDWIS/State)

database and the federal operational data system, and includes information reported quarterly to the EPA. This report is available on ODW's website: https://www.dhss.delaware.gov/dhss/dph/hsp/annrepdw.html.

State Public Drinking Water Summary, 2024

This document provides an overview of the state's public drinking water systems for 2024. Its contents range from general information to violations by contaminant and by water system. For additional information or clarification, contact ODW at 302-741-8630.

Table 1. Population, Delaware, 2024

| Population of Delaware | 1,051,917 |
|-------------------------------|-----------|
| Percentage served by | 22.3% |
| individual wells | |
| Percentage served by public | 77.7% |
| water supplies | |
| Year primacy granted to state | 1978 |
| by EPA | |
| • | |

Source: Delaware Census, 2024

Table 3. Public Water Systems, Delaware, 2024

| | 1 |
|---|---------|
| Residents served by public | 817,359 |
| water systems | |
| Residents served by | 248,471 |
| surface water systems | , |
| Residents served by | 568,888 |
| groundwater systems | |
| Number using surface water | 3 |
| Number using groundwater | 451 |
| Number of Public Water | 454 |
| Systems | |
| Community Water Systems | 201 |
| Non-transient, Non- | 83 |
| Community Water Systems | |
| Transient Non-Community | 170 |
| Water Systems | |

Source: Safe Drinking Water Information System/State Version (SDWIS/State), Delaware Department of Health and Social Services, Division of Public Health, 2024

Table 2. Land Usage, Delaware, 2024

| Land area type | Number of acres | % of total |
|-----------------------------|-----------------|------------|
| Forest/Forested Wetlands | 351,000 | 23 |
| Agriculture | 389,300 | 25 |
| Developed | 298,500 | 19 |
| Wetland/Water/ Waterways | 302,900 | 20 |
| Pastureland/other | 167,300 | 11 |
| Federal Land | 24,500 | 2 |
| Total | 1,533,500 | 100 |

Source: National Resource Inventory, 2024

Table 4. Drinking Water Sources, Delaware, 2024

| Major Courses of Curfoss Water |
|-----------------------------------|
| Major Sources of Surface Water |
| Brandywine River Basin |
| Christina River Basin |
| Red Clay/White Clay Creeks |
| |
| Major Sources of Groundwater |
| |
| Columbia Aquifer |
| Columbia Aquifer Cheswold Aquifer |
| · |

¹ Million Gallons per Day Source: Delaware Department of Natural Resources and Environmental Control, 2025

Definitions

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

Inorganic Contaminant (IOC): A chemical compound identified in the National Primary Drinking Water Regulations (NPDWR), which may be naturally occurring or a result of human activities and does not contain both carbon and hydrogen. Examples include metals, nitrates, and asbestos. EPA 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 public drinking water [40 CFR 141.80-91]. Lead and copper enter the drinking water from household pipes and plumbing fixtures. Lead can pose various health risks when ingested at any level, while copper ingestion can pose health risks at elevated levels. States report violations of the LCR in the following five categories:

- 1. *Initial lead and copper tap monitoring/reporting:* A violation in which a system did not meet initial lead and copper testing requirements or failed to report the results of those tests to the state.
- 2. Follow-up or routine lead and copper tap monitoring/reporting: A violation in which a system did not meet follow-up or routine lead and copper tap testing requirements or failed to report the results.
- 3. *Treatment installation:* Violations for a failure to install an optimal corrosion control treatment system or source water treatment system that would reduce lead and copper levels in water at the tap.
- 4. Lead service line replacement: A violation for a system's failure to replace lead service lines on the schedule required by the regulation.
- 5. *Public education:* A violation in which a system did not provide required public education about reducing or avoiding lead intake from water.

Maximum Contaminant Level (MCL): The legal threshold limit on the amount of a substance that is allowed in public water systems under the SDWA. MCLs ensure that drinking water does not pose either a short-term or long-term health risk. MCLs are defined in milligrams per liter (mg/L; 1 mg/L = 1 part per million) unless otherwise specified.

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

States must report monitoring violations that are significant as determined by the EPA Administrator in consultation with the states. For the purposes of this report, significant monitoring violations are major violations that occur when compliance sampling is not

Definitions (continued)

conducted or when results are not reported during a compliance period. A major monitoring violation for the Surface Water Treatment Rule occurs when at least 90% of the required compliance samples are not taken, or the results are not reported, during the compliance period. See Enforcement Actions for more enforcement actions, including administrative orders and penalties, that may be taken for continued non-compliance.

Organic Contaminant: A chemical compound identified in the NPDWR, which contains both carbon and hydrogen and originates from human activities. EPA has established MCLs for 54 organic contaminants [40 CFR 141.61].

Public Notification: When a public water system issues a public notice and notifies the Division of Public Health that the notice was delivered.

Radionuclides: Radioactive particles that can occur naturally in water or result from human activity. EPA has set legal limits on five types of radionuclides: radium-226, radium-228, gross alpha particles, beta particles and proton emitters, and uranium [40 CFR 141]. Violations for these contaminants are reported using the following four categories:

- 1. *Gross alpha particles:* A violation for alpha radiation above the MCL of 15 picocuries/liter. Alpha particles include radium-226 but excludes radon and uranium.
- 2. Combined radium-226 and radium-228: A violation for combined radiation from these two isotopes above the MCL of 5 pCi/L.
- 3. Beta particles and photon emitters: A violation for beta particle and photon radiation from the decay of natural and man-made deposits of certain radioactive minerals above 4 millirem/year.
- 4. *Uranium:* A violation for uranium is above 30 micrograms/liter (μ g/L; 1 μ g/L = 1 part per billion).

Reporting Period: The reporting period for information to be included in this report is from January 1, 2024 through December 31, 2024.

Revised Total Coliform Rule (RTCR): Establishes a MCL for *E. coli* and uses the presence of *E. coli* and total coliform bacteria to initiate a "find and fix" approach to address fecal contamination that could enter the distribution system. It requires public water systems to perform assessments to identify sanitary defects and subsequently take action to correct them.

Definitions (continued)

The two types of assessments are:

- Level 1 Assessment: A Level 1 Assessment is a study of the water system to identify
 potential problems and determine (if possible) why total coliform bacteria were detected
 in the water system. For systems collecting fewer than 40 samples per month, more
 than one positive sample for total coliform triggers an assessment. For systems
 collecting 40 or more samples per month, more than 5% of the samples positive for
 total coliform triggers a Level 1 Assessment.
- Level 2 Assessment: A Level 2 Assessment is a detailed study of the water system to
 identify potential problems and determine (if possible) why an *E. coli* MCL violation has
 occurred and/or why total coliform bacteria were found in the water system on multiple
 occasions. Level 2 Assessments are conducted when a water system detects *E. coli* in
 its water, or if the system triggers two Level 1 Assessments in a rolling 12-month
 period.

Four classifications of violations are issued under the purview of the RTCR:

- E. coli MCL Violation: Issued when the presence of E. coli is confirmed.
- Treatment Technique (TT) Violation: Issued when a water system fails to conduct a required process intended to reduce the level of a contaminant in drinking water. Noncompliance is based on the failure to take any of the following actions:
 - Failure To conduct a Level 1 or Level 2 Assessment within 30 days of learning of the Assessment trigger
 - Failure to correct sanitary defects from a Level 1 or Level 2 Assessment within 30 days of learning of the Assessment trigger
 - Failure of a seasonal water system to complete the state-approved start-up procedure prior to serving water to the public.
- Monitoring Violations: Issued to a system that fails to conduct routine or repeat monitoring, including:
 - Failure to take routine total coliform sample(s)
 - o Failure to analyze for *E. coli* following a total coliform positive sample.
- Reporting Violations: Issued to a system that fails to report routine or repeat monitoring results, including:
 - Failure to submit a monitoring report
 - Failure to submit a completed Level 1 or Level 2 Assessment form within 30 days of learning of the Assessment trigger

Definitions (continued)

- Failure to notify ODW by the end of the next business day following an E. colipositive sample or E. coli MCL violation
- Failure for a seasonal water system to submit a certification of completion for ODW-approved seasonal start-up procedure prior to serving water to the public.

Surface Water Treatment Rule: Establishes criteria under which water systems supplied by surface water sources or groundwater 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:

- 1. *Monitoring, routine/repeat (for filtered systems):* A violation for a system's failure to carry out required tests, or to report the results of those tests.
- 2. *Treatment techniques (for filtered systems):* A violation for a system's failure to properly treat its water.
- 3. *Monitoring, routine/repeat (for unfiltered systems):* A violation for a system's failure to carry out required water tests, or to report the results of those tests.
- 4. Failure to filter (for unfiltered systems): A violation for a system's failure to properly treat its water. EPA will supply data for this violation code to the states.

Treatment Technique: An enforceable procedure or level of technological performance which public water systems must follow to ensure control of a contaminant.

Unfiltered Systems: Surface water systems that do not need to filter their water before disinfecting it because the source is very clean [40 CFR, Subpart H]. There are no unfiltered surface water systems in Delaware.

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

Table 5. Summary of Violations for Regulated Analytes, Delaware, 2024

| | (MCL¹) | МС | CLs | | ment niques | | ficant oring/ orting |
|---|---------------------|------------|-------------------------------|------------|-------------------------------|------------|-------------------------------|
| | (mg/L) ² | Violations | Systems with Violations | Violations | Systems with Violations | Violations | Systems with Violations |
| Organic Contamin | | T | | | | T | |
| 1,1,1-Trichloroethane | 0.2 | 0 | 0 | N/A | N/A | 0 | 0 |
| 1,1,2-Trichloroethane | 0.005 | 0 | 0 | N/A | N/A | 0 | 0 |
| 1,1-Dichloroethylene | 0.007 | 0 | 0 | N/A | N/A | 0 | 0 |
| 1,2,4- Trichlorobenzene | 0.07 | 0 | 0 | N/A | N/A | 0 | 0 |
| 1,2-Dibromo-3- chloropropane (DBCP) | 0.0002 | 0 | 0 | N/A | N/A | 0 | 0 |
| 1,2-Dichloroethane | 0.005 | 0 | 0 | N/A | N/A | 0 | 0 |
| 1,2-Dichloropropane | 0.005 | 0 | 0 | N/A | N/A | 0 | 0 |
| 2,3,7,8-TCDD (Dioxin) | 3x10 ⁻⁸ | 0 | 0 | N/A | N/A | 0 | 0 |
| 2,4,5-TP | 0.05 | 0 | 0 | N/A | N/A | 0 | 0 |
| 2,4-D | 0.07 | 0 | 0 | N/A | N/A | 0 | 0 |
| Acrylamide | N/A | N/A | N/A | 0 | 0 | N/A | N/A |
| Alachlor | 0.002 | 0 | 0 | N/A | N/A | 0 | 0 |
| Atrazine | 0.003 | 0 | 0 | N/A | N/A | 0 | 0 |
| Benzene | 0.005 | 0 | 0 | N/A | N/A | 0 | 0 |
| Benzo[a]pyrene | 0.0002 | 0 | 0 | N/A | N/A | 0 | 0 |
| Carbofuran | 0.04 | 0 | 0 | N/A | N/A | 0 | 0 |
| Carbon tetrachloride | 0.005 | 0 | 0 | N/A | N/A | 0 | 0 |
| Chlordane | 0.002 | 0 | 0 | N/A | N/A | 0 | 0 |
| cis-1,2-Dichloroethylene | 0.07 | 0 | 0 | N/A | N/A | 0 | 0 |
| Dalapon | 0.2 | 0 | 0 | N/A | N/A | 0 | 0 |
| Di(2-ethylhexyl) adipate | 0.4 | 0 | 0 | N/A | N/A | 0 | 0 |
| Di (2-ethylhexyl) phthalate | 0.006 | 0 | 0 | N/A | N/A | 0 | 0 |
| Dichloromethane | 0.005 | 0 | 0 | N/A | N/A | 0 | 0 |
| Dinoseb | 0.007 | 0 | 0 | N/A | N/A | 0 | 0 |
| Diquat | 0.02 | 0 | 0 | N/A | N/A | 0 | 0 |
| Endothall | 0.1 | 0 | 0 | N/A | N/A | 0 | 0 |
| Endrin | 0.002 | 0 | 0 | N/A | N/A | 0 | 0 |
| Epichlorohydrin | N/A | N/A | N/A | 0 | 0 | N/A | N/A |

¹ MCL means Maximum Contaminant Level

² Values are in milligrams per liter (mg/L), unless otherwise specified.

Table 5. Summary of Violations for Regulated Analytes, Delaware, 2024 (continued)

| | MCL ¹ | | CLs | Treat Techr | ment niques | Monit | ficant oring/ orting |
|--|---------------------|------------|-------------------------------|----------------|-------------------------------|------------|-------------------------------|
| | (mg/L) ² | Violations | Systems with Violations | Violations | Systems with Violations | Violations | Systems with Violations |
| Organic Contamin | ants | | | | | | |
| Ethylbenzene | 0.7 | 0 | 0 | N/A | N/A | 0 | 0 |
| Ethylene dibromide | 0.00005 | 0 | 0 | N/A | N/A | 0 | 0 |
| Glyphosate | 0.7 | 0 | 0 | N/A | N/A | 0 | 0 |
| Heptachlor | 0.0004 | 0 | 0 | N/A | N/A | 0 | 0 |
| Heptachlor epoxide | 0.0002 | 0 | 0 | N/A | N/A | 0 | 0 |
| Hexachlorobenzene | 0.001 | 0 | 0 | N/A | N/A | 0 | 0 |
| Hexachlorocyclopent adiene | 0.05 | 0 | 0 | N/A | N/A | 0 | 0 |
| Lindane | 0.0002 | 0 | 0 | N/A | N/A | 0 | 0 |
| Methoxychlor | 0.04 | 0 | 0 | N/A | N/A | 0 | 0 |
| Methyl tert-Butyl Ether (MTBE) | 0.01 | 0 | 0 | N/A | N/A | 0 | 0 |
| Monochlorobenzene | 0.1 | 0 | 0 | N/A | N/A | 0 | 0 |
| o-Dichlorobenzene | 0.6 | 0 | 0 | N/A | N/A | 0 | 0 |
| Oxamyl (Vydate) | 0.2 | 0 | 0 | N/A | N/A | 0 | 0 |
| para-Dichlorobenzene | 0.075 | 0 | 0 | N/A | N/A | 0 | 0 |
| Pentachlorophenol | 0.001 | 0 | 0 | N/A | N/A | 0 | 0 |
| Picloram | 0.5 | 0 | 0 | N/A | N/A | 0 | 0 |
| Simazine | 0.004 | 0 | 0 | N/A | N/A | 0 | 0 |
| Styrene | 0.1 | 0 | 0 | N/A | N/A | 0 | 0 |
| Tetrachloroethylene | 0.005 | 0 | 0 | N/A | N/A | 0 | 0 |
| Toluene | 1 | 0 | 0 | N/A | N/A | 0 | 0 |
| Total polychlorinated biphenyls (PCBs) | 0.0005 | 0 | 0 | N/A | N/A | 0 | 0 |
| Toxaphene | 0.003 | 0 | 0 | N/A | N/A | 0 | 0 |
| trans-1,2- Dichloroethylene | 0.1 | 0 | 0 | N/A | N/A | 0 | 0 |
| Trichloroethylene | 0.005 | 0 | 0 | N/A | N/A | 0 | 0 |
| Vinyl chloride | 0.002 | 0 | 0 | N/A | N/A | 0 | 0 |
| Xylenes (total) | 10 | 0 | 0 | N/A | N/A | 0 | 0 |
| Subtotal | | 0 | 0 | N/A | N/A | 0 | 0 |

¹ MCL means Maximum Contaminant Level

² Values are in milligrams per liter (mg/L), unless otherwise specified.

Table 5. Summary of Violations for Regulated Analytes, Delaware, 2024 (continued)

| | MCL ¹ | МС | MCLs | | Treatment Techniques | | Significant Monitoring/ Reporting | |
|-------------------------------------|---|------------|-------------------------------|------------|-------------------------------|------------|---|--|
| | (mg/L) ² | Violations | Systems with Violations | Violations | Systems with Violations | Violations | Systems with Violations | |
| | • | Disinfe | ction Byp | roducts | • | • | | |
| Total trihalomethanes | 0.08 | 0 | 0 | N/A | N/A | 0 | 0 | |
| Haloacetic Acid 5 | 0.06 | 0 | 0 | N/A | N/A | 0 | 0 | |
| Maximum Residual Disinfection Level | 4.0 | 0 | 0 | N/A | N/A | 0 | 0 | |
| Subtotal | | 0 | 0 | N/A | N/A | 0 | 0 | |
| A L' | 0.000 | | nic Contar | | N1/A | | | |
| Antimony | 0.006 | 0 | 0 | N/A | N/A | 0 | 0 | |
| Arsenic | 0.05 | 0 | 0 | N/A | N/A | 0 | 0 | |
| Asbestos | 7 million fibers/L, with fiber length >10 microns | 0 | 0 | N/A | N/A | 0 | 0 | |
| Barium | 2 | 0 | 0 | N/A | N/A | 0 | 0 | |
| Beryllium | 0.004 | 0 | 0 | N/A | N/A | 0 | 0 | |
| Cadmium | 0.005 | 0 | 0 | N/A | N/A | 0 | 0 | |
| Chromium | 0.1 | 0 | 0 | N/A | N/A | 0 | 0 | |
| Cyanide (as free cyanide) | 0.2 | 0 | 0 | N/A | N/A | 0 | 0 | |

¹ MCL means Maximum Contaminant Level

² Values are in milligrams per liter (mg/L), unless otherwise specified.

Table 5. Summary of Violations for Regulated Analytes, Delaware, 2024 (continued)

| Inorganic MCLs | | | | | | | |
|------------------------------|------------------------------------|------------|-------------------------------|------------|-------------------------------|-------------------------------------|-------------------------------|
| | MCL ¹ | MCLs | | Treat | ment niques | Significant Monitoring/Reporting | |
| | (mg/L) ² | Violations | Systems with Violations | Violations | Systems with Violations | Violations | Systems with Violations |
| Fluoride | 2.0 | 0 | 0 | N/A | N/A | 0 | 0 |
| Mercury | 0.002 | 0 | 0 | N/A | N/A | 0 | 0 |
| Nitrate | 10 (as Nitrogen) | 9 | 7 | N/A | N/A | 0 | 0 |
| Nitrite | 1 (as Nitrogen) | 0 | 0 | N/A | N/A | 0 | 0 |
| Selenium | 0.05 | 0 | 0 | N/A | N/A | 0 | 0 |
| Thallium | 0.002 | 0 | 0 | N/A | N/A | 0 | 0 |
| Total nitrate and nitrite | 10 (as Nitrogen) | 0 | 0 | N/A | N/A | 0 | 0 |
| Subtotal | | 9 | 7 | N/A | N/A | 0 | 0 |
| | | | | | | | |
| | | R | adionucli | de MCLs | | | |
| Gross alpha | 15 pCi/l | 0 | 0 | N/A | N/A | 0 | 0 |
| Radium-226 and radium-228 | 5 pCi/l | 2 | 1 | N/A | N/A | 0 | 0 |
| Gross beta | 4 mrem/yr | 0 | 0 | N/A | N/A | 0 | 0 |
| Subtotal | | 2 | 1 | N/A | N/A | 0 | 0 |
| | | Revis | ed Total C | oliform R | ule | | |
| Acute MCL violation | Presence with <i>E.</i> coli | 3 | 3 | N/A | N/A | 0 | 0 |
| Level 1 Assessment | Presence | 20 | 19 | N/A | N/A | 0 | 0 |
| Level 2 Assessment | Presence with E. coli | 11 | 11 | N/A | N/A | 0 | 0 |
| Sanitary survey | N/A | N/A | N/A | N/A | N/A | 0 | 0 |
| Subtotal | | 34 | 33 | N/A | N/A | 0 | 0 |

¹ MCL means Maximum Contaminant Level

² Values are in milligrams per liter (mg/L), unless otherwise specified.

Table 5. Summary of Violations for Regulated Analytes, Delaware, 2024 (continued)

| | MCL ¹ | MOL - | | Treat | ment | Signi | ficant |
|---|---------------------------|------------|-------------------------------|------------|-------------------------------|----------------------|-------------------------------|
| | (mg/L) ² | MCLs | | | niques | Monitoring/Reporting | |
| | | Violations | Systems with Violations | Violations | Systems with Violations | Violations | Systems with Violations |
| | | Surfa | ce Water T | reatment F | Rule | | |
| Filtered systems | N/A | N/A | N/A | 0 | 0 | N/A | N/A |
| Monitoring, routine/repeat | N/A | N/A | N/A | N/A | N/A | 0 | 0 |
| Treatment techniques | N/A | N/A | N/A | 0 | 0 | N/A | N/A |
| Turbidity | N/A | N/A | N/A | N/A | N/A | 0 | 0 |
| Monitoring, routine/repeat | N/A | N/A | N/A | N/A | N/A | 0 | 0 |
| Failure to filter | N/A | N/A | N/A | 0 | 0 | N/A | N/A |
| Subtotal | N/A | N/A | N/A | 0 | 0 | 0 | 0 |
| | | | | | | | |
| Lead and Copper Rule | Action Level (mg/L) | Exceedance | Systems with Exceedance | Violations | Systems with violations | Violations | Systems with Violations |
| Initial lead and copper tap M/R | N/A | 0 | 0 | N/A | N/A | 0 | 0 |
| Follow-up or routine lead and copper tap M/R | N/A | 6 | 5 | N/A | N/A | 3 | 3 |
| Treatment installation | N/A | 0 | 0 | 0 | 0 | N/A | N/A |
| Public education | N/A | N/A | N/A | 0 | 0 | N/A | N/A |
| Subtotal | N/A | 6 | 5 | 0 | 0 | 3 | 3 |
| | | | | | | | |
| Public Notification | | Violations | | N/A | Systems with Violations | | olations |
| Consumer Confidence Reports Violations | | | 6 | | 6 | | |
| Public Notification | | 1 | | N/A | 1 | | |
| Ground Water F | Rule | 0 | | N/A | 0 | | |
| Subto | tal | 7 | | N/A | 7 | | |

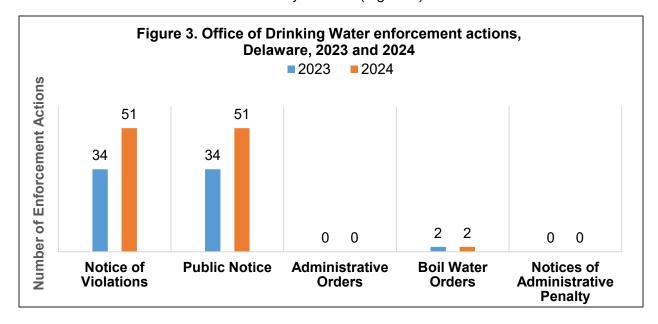
Source: Delaware Department of Health and Social Services, Division of Public Health, Office of Drinking Water, 2025

¹ MCL means Maximum Contaminant Level

² Values are in milligrams per liter (mg/L), unless otherwise specified.

2024 Enforcement Actions

ODW takes enforcement actions when a public water system violates a MCL or treatment technique (TT), as specified in *State of Delaware Regulations Governing Public Drinking Water Systems*; or if a system fails to properly monitor and/or report a particular contaminant. DPH issued 51 Notices of Violations in 2024, compared to 34 in 2023. DPH issued no Administrative Orders or Notices of Administrative Penalty in 2024. (Figure 3)



Source: Delaware Department of Health and Social Services, Division of Public Health, Office of Drinking Water, 2024

Issuing a Notice of Violation (NOV) is the first action taken. This notifies the owner/operator of a public water system that there was a violation. The next action is for the owner/operator to issue a public notice (PN). The owner/operator is required to mail, hand deliver, or post the PN in a conspicuous place. The PN informs consumers of the water that there was a violation, what the violation was, possible related health effects, preventive measures the consumer can take until the violation is corrected, what the public water system is doing to correct the violation, and when the public water system anticipates its return to compliance. A water system issues a boil water notice when it violates the E. coli MCL. This requires immediate notice (within 24 hours of being notified of the violation) to all consumers and includes instructions for what actions to take to make their water safe for consumption, or if they should use an alternate source such as bottled water.

The Revised Total Coliform Rule requires Level 1 or Level 2 Assessments to be performed on public water systems with the presence of Total Coliform or *E. coli*. The purpose of a Level 1 Assessment is to determine a likely cause of contamination. A Level 2 Assessment is performed whenever *E. coli* is detected, or when the system has had two Level 1 Assessments in a rolling 12-month period. A Level 2 Assessment is an in-depth inspection of the water system to determine the likely source of contamination.

Additional enforcement actions can be used when a water system repeatedly violates a MCL or when a history of violations is present. The issuance of an Administrative Order (AO) can mandate the installation of treatment or the abandonment of a well for persistent violations. A bilateral compliance agreement (BCA) can also be issued. A BCA is a written contract between the system and ODW in which the violations, corrective steps, and the deadline for completing the work are established in writing and are enforceable.

If a public water system fails to correct a violation or continues to be unresponsive to DPH requirements, an AO with or without penalty may be issued. The penalty can range from \$100 per day to \$10,000 per day, per violation.

Program Operation

ODW uses an Oracle[®]-based system to inventory water supplies, record sampling results, and track compliance with monitoring and MCL requirements. The SDWIS/State database includes information about public water system facilities, water sources, treatments used, and sampling results. Information from SDWIS/State is reported to EPA quarterly.

ODW provides many services to consumers and public water systems. Funding comes from both state and federal monies allotted to Delaware's public drinking water program. ODW and DPHL use these funds to provide services for the drinking water program, including sample collection and analysis, technical assistance, and operator certification.

Table 6. Budget Information (Public Water System Supervision Grant), Delaware Office of Drinking Water, Fiscal Year 2024

| Total Budget | \$1,043,053 |
|---------------------------|-------------|
| Federal Budget | \$615,000 |
| State Budget | \$428,053 |
| Number of Full-time Staff | 14.25 |

Source: Delaware Department of Health and Social Services, Division of Public Health, Office of Drinking Water, 2025

To ensure that Delaware's drinking water meets or exceeds SDWA requirements, ODW and DPH's Office of Engineering reviews and approves plans for new or existing water treatment systems and/or new or upgraded distribution systems. ODW staff also inspect water systems, provides technical assistance, responds to emergencies, makes compliance determinations based on monitoring results, and takes enforcement actions when necessary. DPHL performs water analyses for water quality parameters as outlined in the SDWA. ODW also contracts with private laboratories to analyze some regulated parameters.

Table 7. Operations of the Delaware Office of Drinking Water, 2024

| | J , - |
|--------------|-------|
| Inspections | 219 |
| Plan Reviews | 253 |

ODW provides system operation training to water system operators and owners that includes compliance with rules and regulations. Additionally, DPH contracts with the Environmental Training Center at Delaware Technical Community College (DTCC) and the Delaware Rural Water Association to provide training and technical assistance to water system operators.

Table 8. Water Operator Certification, Delaware, 2024

| Number of Certified Operators | 445 |
|------------------------------------|-----|
| Number of Approved Sampler/Testers | 48 |

Source: Delaware Department of Health and Social Services, Division of Public Health, Office of Drinking Water, 2025

DPH requires individuals collecting compliance samples or conducting daily monitoring of a public water system to be a licensed operator or certified as an approved sampler/tester. This requirement helps to ensure the integrity of the sampling.

Table 9. Compliance Highlights, Public Water Systems, Delaware, 2023 and 2024

| | Comples | Systems in | Percentage of | Percentage of Water Systems | Systen in Com | |
|--|----------------------|--------------------------|---|-----------------------------------|------------------|------|
| Compliance Area | Samples Collected | Systems in Compliance | Population Served by Compliant Systems | Served by Compliant Systems | 2023 | 2024 |
| Bacteriological | 10,347 | 454 | 100 | 100 | 0 | 0 |
| Bacteriological, Acute (<i>E. coli</i>) | 10,347 | 451 | 99.8 | 99.3 | 2 | 3 |
| Surface Water Treatment Rule ¹ | N/A | 3 | 100 | 100 | 0 | 0 |
| Nitrates | 2,112 | 447 | 99.8 | 98.5 | 8 | 7 |
| Fluoride | 2,491 | 454 | 100 | 100 | 0 | 0 |
| Inorganic (IOC) Excluding Nitrate and Fluoride | 2,020 | 454 | 100 | 100 | 1 | 0 |
| Volatile Organic Chemicals (VOC) | 31 | 454 | 100 | 100 | 0 | 0 |
| Synthetic Organic Chemicals (SOC) | 123 | 454 | 100 | 100 | 0 | 0 |
| Lead and Copper | 1,403 | 449 | 99.4 | 98.9 | 5 | 5 |
| Lead and Copper/ M&R Violations | N/A | 425 | 98.2 | 93.6 | 11 | 29 |
| Consumer Confidence Rule – Failure to Report | N/A | 454 | 100 | 100 | 3 | 0 |
| Consumer Confidence Rule – Inadequate Report | N/A | 448 | 99.8 | 98.7 | 2 | 6 |
| Disinfection Byproducts (DBPs) | 795 | 454 | 100 | 100 | 0 | 0 |
| Radiological | 139 | 453 | 99.9 | 99.8 | 0 | 1 |
| Ground Water Rule | N/A | 454 | 100 | 100 | 1 | 0 |

Source: Delaware Department of Health and Social Services, Division of Public Health, Office of Drinking Water, 2025

1 Systems with no action level exceedance.

Systems Out of Compliance

Table 10. Level 1 Assessments, Non-Compliant Public Drinking Water Systems, Delaware, 2024

| System Name | Municipality | Population Served | | | |
|---|---------------|-------------------|--|--|--|
| Boondocks Restaurant | Smyrna | 450 | | | |
| Child Craft Company | Seaford | 88 | | | |
| Country Center Girl Scout Camp | Hockessin | 100 | | | |
| County Seat Gardens | Georgetown | 297 | | | |
| Dewey Beach Water Department | Dewey Beach | 1,000 | | | |
| Dover Indoor Tennis | Dover | 87 | | | |
| Fieldstone Golf Club | Greenville | 124 | | | |
| Fort Delaware State Park | Delaware City | 700 | | | |
| Hartly Family Learning Center | Hartly | 60 | | | |
| Maranatha Court | Lebanon | 54 | | | |
| North West Pump District | Middletown | 4,149 | | | |
| Ollies Imagination Station | Laurel | 60 | | | |
| Shawnee Country Store | Milford | 60 | | | |
| Smith Landing System 1 | Milton | 250 | | | |
| Sussex Central High School | Georgetown | 2,300 | | | |
| Tall Pines Resort Community Sys3 | Lewes | 150 | | | |
| Village Of Grandview | Dover | 108 | | | |
| White Clay Creek State Park (system 1) | Newark | 100 | | | |
| Willow Tree Properties LLC (July 2024) | Dover | 141 | | | |
| Willow Tree Properties LLC (September 2024) | Dover | 141 | | | |
| | | | | | |
| Level 1 Assessment Totals | | | | | |
| Number of Assessments 20 | | | | | |
| Number of Systems Affected | 19 | | | | |
| Number of Repeat Violators | 1 | | | | |
| Total Population at Risk | 10,405 | | | | |

Table 11. Level 2 Assessments, Non-Compliant Public Drinking Water Systems, Delaware, 2024

| System Name | Municipality | Population Served | |
|------------------------------------|---------------|-------------------|--|
| Boondocks Restaurant | Smyrna | 450 | |
| Cedar Village LLC | Lincoln | 600 | |
| Country Center Girl Scout Camp | Hockessin | 100 | |
| Crossroad Christian Church Academy | Dover | 68 | |
| Fieldstone Golf Club | Greenville | 124 | |
| Flying Dutchman Mobile Home Park 1 | Felton | 30 | |
| Fort Delaware State Park | Delaware City | 700 | |
| Hartly Family Learning Center | Hartly | 60 | |
| Hedgerow Hollow | Smyrna | 147 | |
| Ollies Imagination Station | Laurel | 60 | |
| Willow Tree Properties LLC | Dover | 141 | |
| Level 2 Assess | ment Totals | | |
| Number of Assessments 11 | | | |
| Number of Systems Affected | 11 | | |
| Number of Repeat Violators | 0 | | |
| Total Population at Risk | | 2,480 | |

Table 12. Nitrate Violations, Non-Compliant Public Drinking Water Systems, Delaware, 2024

| System Name | Municipality | Population Served | Return to Compliance Date |
|---|-----------------|----------------------|---------------------------------|
| Child Craft Company | Seaford | 88 | 12/26/2024 |
| Delaware Beaches Jellystone Park (April 2024) | Lincoln | 412 | 04/21/2025 |
| Delaware Beaches Jellystone Park (July 2024) | Lincoln | 412 | 04/21/2025 |
| Delaware Beaches Jellystone Park (Oct. 2024) | Lincoln | 412 | 04/21/2025 |
| Hometown Village of Cool Branch | Seaford | 654 | 01/07/2025 |
| Mulligan's Pointe LLC | Georgetown | 150 | 10/29/2024 |
| Northside Professional Center | Millsboro | 35 | 03/25/2024 |
| Shore Stop #256 Milford | Milford | 150 | 11/22/2024 |
| Taco's Chabelita | Laurel | 25 | 12/26/2024 |
| Nitrate V | iolation Totals | | |
| Number of Violations | | 9 | |
| Number of Systems Affected | 7 | | |
| Number of Repeat Violators | 1 | | |
| Total Population at Risk | | 1,514 | |

^{*}Pending the installation of treatment

^{**}Pending the approval to operate of new wells

Table 13. Radiological Compounds Violations, Non-Compliant Public Drinking Water Systems, Delaware, 2024

| System Name | Population Served | Contaminant | MCL ¹ in pCi/L ² | Level Found in pCi/L | Return to Compliance Date |
|-----------------------|---|-----------------|--|----------------------------|---------------------------------|
| Evergreen Post | 256 | Combined Radium | 5 | 6.2 | None |
| Acute (June 2024) | | (226 and 228) | | | |
| Evergreen Post | 256 | Combined Radium | 5 | 6.365 | None |
| Acute (Sept. 2024) | | (226 and 228) | | | |
| | Radiological Compounds Violation Totals | | | | |
| Number of Violations | | 2 | | | |
| Number of Systems | Affected | | 1 | | |
| Number of Repeat V | /iolators | 1 | | | |
| Total Population at F | Risk | | 512 | | |

Table 14. Inorganic/Volatile/Synthetic Organic Compound Rule (IOC/VOC/SOC) Violations, Non-Compliant Public Drinking Water Systems, Delaware, 2024

| System Name | Population Served | Contaminant | MCL ¹ in mg/L ² | Level Found in mg/L | | |
|--------------------------------------|----------------------|-------------|--|---------------------------|--|--|
| None | None | None | None | None | | |
| IOC/VOC/SOC Rule Violation Totals | | | | | | |
| Number of Violations | 0 | | | | | |
| Number of Systems Affected | | | 0 | | | |
| Number of Repeat Violators (Systems) | | | 0 | | | |
| Total Population at Risk | | | 0 | | | |

Source: Delaware Department of Health and Social Services, Division of Public Health, Office of Drinking Water, 2025

Table 15. Disinfection Byproducts Rule (DPB) Violations, Non-Compliant Public Drinking Water Systems, Delaware, 2024

| System Name | Municipality | Population Served | Contaminant | MCL ¹ in mg/L ² | Level Found in mg/L | |
|---|--------------|----------------------|-------------|--|---------------------------|--|
| None | None | None | None | None | None | |
| Disinfection Byproducts Rule Violation Totals | | | | | | |
| Number of Vio | | 0 | | | | |
| Number of Systems Affected | | | | | 0 | |
| Number of Repeat Violators | | | | 0 | | |
| Total Population at Risk | | | | 0 | | |

¹ MCL means Maximum Contaminant Level

² pCi/L means picocuries per liter

¹ MCL means Maximum Contaminant Level

² mg/L means milligrams per liter

¹MCL means Maximum Contaminant Level

²mg/L means milligrams per liter

Table 16. Maximum Residual Disinfection Level (MRDL) Violations, Non-Compliant Public Drinking Water Systems. Delaware. 2024

| System Name | Population Served | Contaminant | MRDL ¹ in mg/L ² | Level Found in mg/L | | |
|--|----------------------|-------------|---|---------------------------|--|--|
| None | None | None | None | None | | |
| Maximum Residual Disinfection Level Violation Totals | | | | | | |
| Number of Violations | | | 0 | | | |
| Number of Systems Affected | | | 0 | | | |
| Number of Repeat Violators | | | 0 | | | |
| Total Population at Risk | | 0 | | | | |

Source: Delaware Department of Health and Social Services, Division of Public Health, Office of Drinking Water, 2025.

Table 17. Ground Water Rule Violations, Non-Compliant Public Drinking Water Systems, Delaware, 2024

| System Name | Population | Return to Compliance Date | | | | |
|------------------------------------|------------|---------------------------|--|--|--|--|
| , | • | • | | | | |
| None None | | None | | | | |
| Ground Water Rule Violation Totals | | | | | | |
| Number of Violations | 0 | | | | | |
| Number of Systems Affected | 0 | | | | | |
| Number of Repeat Violators | 0 | | | | | |
| Total Population Affected | | 0 | | | | |

Source: Delaware Department of Health and Social Services, Division of Public Health, Office of Drinking Water, 2025 *Pending completion of a Level 1 Assessment.

Table 18. Surface Water Treatment Rule (Turbidity Violation), Non-Compliant Public Drinking Water Systems, Delaware, 2024

| System Name | Population Served | | | | |
|---|-------------------|--|--|--|--|
| None | None | | | | |
| Surface Water Treatment Rule Violation Totals | | | | | |
| Number of Violations 0 | | | | | |
| Number of System Affected | 0 | | | | |
| Number of Repeat Violators 0 | | | | | |
| Total Population Affected | 0 | | | | |

¹MRDL means Maximum Residual Disinfectant Level

²mg/L means milligrams per liter

Table 19. Lead and Copper Rule (LCR) Monitoring Violations, Non-Compliant Public Drinking Water Systems, Delaware, 2024

Systems that failed to collect the required number of samples including tap samples and/or water quality parameters during any monitoring period in 2024

| System Name | City | Population | Return to Compliance Date | |
|--|-----------------|------------|---------------------------|--|
| Barkers Landing | Magnolia | 498 | Pending* | |
| Briarwood Manor Mobile Home Park | | | Pending* | |
| (January 2024) | Laurel | 296 | 3 | |
| Briarwood Manor Mobile Home Park | | | Pending* | |
| (October 2024) | Laurel | 296 | o | |
| Cape Windsor Community Association | Fenwick | | Pending* | |
| INC | Island | 600 | · · | |
| Central Christian School | Dover | 100 | Pending* | |
| Centreville Layton School System I | Centerville | 170 | Pending* | |
| Centreville Layton School System II | Centerville | 47 | Pending* | |
| Child Craft Company | Seaford | 88 | Pending* | |
| Countryside Estates | Viola | 50 | Pending* | |
| County Seat Gardens | Georgetown | 297 | Pending* | |
| Crosswinds Mobile Home Park LLC | Lincoln | 210 | Pending* | |
| Felton Water Department | Felton | 1,591 | Pending* | |
| First Step Preschool | Lincoln | 50 | Pending* | |
| Fox Pointe Subdivision | Cheswold | 500 | Pending* | |
| Hartly Family Learning Center | Hartly | 60 | Pending* | |
| Hertrich | Milford | 100 | Pending* | |
| Hy-point Dairy Farms | Rockland | 43 | Pending* | |
| J & J Mobile Home Park | Felton | 84 | Pending* | |
| Lake Forest Estates | Felton | 225 | Pending* | |
| Little Einstein's Preschool & School Age | Georgetown | 79 | Pending* | |
| Little Einstein's School Age Center | Georgetown | 33 | Pending* | |
| Lotus Blossom Learning Center | Lewes | 40 | Pending* | |
| Love Creek Park | Lewes | 210 | Pending* | |
| Maranatha Court | Lebanon | 54 | Pending* | |
| Millsboro Water Department | Millsboro | 8,568 | Pending* | |
| Northside Professional Center | Millsboro | 35 | Pending* | |
| Shells Learning Center III | Harrington | 83 | Pending* | |
| Sussex Academy Elementary School | Georgetown | 138 | Pending* | |
| Tall Pines Resort Community Sys1 | Lewes | 538 | Pending* | |
| Tall Pines Resort Community Sys2 | Lewes | 53 | Pending* | |
| Tall Pines Resort Community Sys2 | Lewes | 53 | Pending* | |
| LCR Monite | oring Violation | Totals | | |
| Number of Violations | | | | |
| Number of Systems Affected | | 31 29 | | |
| Number of Repeat Violators 2 | | | | |
| Total Population at Risk 14,840 | | | | |

Source: Delaware Department of Health and Social Services, Division of Public Health, Office of Drinking Water, 2025 *Pending the completion of 2 – 6 Month rounds of Lead and Copper samples below the action levels

Table 20. Lead and Cooper Rule (LCR) 90th Percentile Action Level (AL) Exceedances, Delaware, 2024

| System Name | City | Population Served | Contaminant | AL in mg/L ¹ | 90 th percentile in mg/L | |
|--|------------|----------------------|-------------|----------------------------|---|--|
| County Seat Gardens | Georgetown | 297 | Lead | 0.015 | 0.0333 | |
| Laurel Village Mobile Home Park | Laurel | 918 | Lead | 0.015 | 0.0198 | |
| Skateworld, Inc. | Seaford | 60 | Lead | 0.015 | 0.0373 | |
| Stockley Center | Georgetown | 749 | Lead | 0.015 | 0.0201 | |
| Stockley Center | Georgetown | 749 | Copper | 1.3 | 1.37 | |
| Sussex Technical School District | Georgetown | 1,800 | Copper | 1.3 | 1.804 | |
| LCR 90 th Percentile Action Level Exceedance Totals | | | | | | |
| Number of Exceedances | | | | 6 | | |
| Number of Systems Affected | | | | 5 | | |
| Number of Repeat Violators | | | | 0 | | |
| Total Population at Risk | | | | 4,573 | | |

Source: Delaware Department of Health and Social Services, Division of Public Health, Office of Drinking Water, 2025 ¹mg/L means milligrams per liter

Table 21. Failure to have Licensed Operator Violations, Non-Compliant Public Drinking Water Systems, Delaware, 2024

| System Name | City | Population Served | | |
|--|----------------|-------------------|--|--|
| Fieldstone Golf Club | Greenville 124 | | | |
| Summit Aviation | Middletown 50 | | | |
| | | | | |
| Failure to have Licensed Operator Violation Totals | | | | |
| Number of Violations | 2 | | | |
| Number of Systems Affected | 2 | | | |
| Number of Repeat Violators | 0 | | | |
| Total Population Affected | 174 | | | |

Table 22. Monitoring Violations, Non-Compliant Public Drinking Water Systems, Delaware 2024¹

Systems that failed to collect the required number of samples during any monitoring period

| System Name | Population | Rule | | |
|-----------------------------|------------|------|--|--|
| None | None | None | | |
| Monitoring Violation Totals | | | | |
| Total Number of Violations | 0 | | | |
| Number of Systems Affected | 0 | | | |
| Number of Repeat Violators | 0 | | | |
| Total Population Affected | 0 | | | |

Source: Delaware Department of Health and Social Services, Division of Public Health, Office of Drinking Water, 2025 ¹ Excluding lead and copper

Table 23. Consumer Confidence Report (CCR) Rule: Inadequate Reporting, Non-Compliant Public Drinking Water Systems, Delaware, 2024

| System Name | Population served | Return to Compliance Date | | |
|---|-------------------|---------------------------|--|--|
| Cape Windsor Community | | | | |
| Association Inc | 600 | 07/24/2024 | | |
| Colonial Estates Mobile Home | | 09/17/2024 | | |
| Park | 165 | | | |
| Hometown Village Of Cool | | 07/15/2024 | | |
| Branch | 654 | | | |
| New Market Village | 321 | 09/17/2024 | | |
| Shady Acres Mobile Home Park | 152 | 09/17/2024 | | |
| Woods Edge Mobile Home Park | 45 | 07/12/2024 | | |
| | | | | |
| CCR Violation Inadequate Reporting Totals | | | | |
| Number of Violations | 6 | | | |
| Number of Systems Affected | 6 | | | |
| Number of Repeat Violators | 0 | | | |
| Total Population Affected | 1,937 | | | |

Source: Delaware Department of Health and Social Services, Division of Public Health, Office of Drinking Water, 2025

Table 24. Consumer Confidence Report (CCR) Rule, Failure to Report, Non-Compliant Public Drinking Water Systems, Delaware, 2024

| System Name | Municipality | Population served | Return to Compliance Date | | |
|--|--------------|-------------------|---------------------------|--|--|
| None | None | None | None | | |
| CCR Violation Failure to Report Violation Totals | | | | | |
| Number of Violations | | 0 | | | |
| Number of Systems Affected | | 0 | | | |
| Number of Repeat Violators | | 0 | | | |
| Total Population Affected | | 0 | | | |

Source: Delaware Department of Health and Social Services, Division of Public Health, Office of Drinking Water, 2025 *Pending the submission of a CCR

Conclusion

ODW, the EPA, other state agencies, and non-governmental organizations work with Delaware's public drinking water systems to ensure compliance with all applicable state and federal drinking water regulations. Together, they ensure that violations are corrected in a timely manner and provide technical assistance as needed. These cooperative efforts ensure that all Delaware residents and visitors receive safe sources of drinking water.

The majority of public water systems in Delaware supplied drinking water that met the requirements of the SDWA in calendar year 2024. Of the state's 1,051,917 residents, 1,254 (0.15%) were exposed to health-based contaminants such as *E. coli* and nitrates. This means that 99.85% of the residential population in Delaware was served water that meets the SDWA for health-based contaminants, which is above ODW's goal of 95%. Of the 454 public water systems, three (0.66%) had a violation for health-based contaminants. Therefore, 99.34% of water systems were in compliance with health-based standards, which is slightly above ODW's goal of having 98% of water systems in compliance with health-based standards. ODW will work with all public water systems to ensure they maintain any expected treatment. For systems without treatment, ODW will work with them to ensure installation of treatment systems to return to compliance. Twenty-nine additional water systems (6.4%) reported monitoring and reporting violations, all LCR violations. The 29 systems that had monitoring violations for LCR are on the path to returning to compliance.

This year was the first in which all water systems submitted their Consumer Confidence Reports (CCR) and delivery certification to ODW by July 1, 2024, an improvement of three compared to 2023.

In 2024, two of the 284 public water systems required to have an operator failed to do so, leading to a 99.3% compliance rate. Both water systems without a licensed water operator are NTNCWS. ODW is working with both water systems to bring them back into compliance.

For detailed information about Delaware's public water systems, visit EPA's Envirofacts webpage at www.epa.gov/enviro/html/sdwis/sdwis_query.html. Additional information can be found on ODW's website: www.dhss.delaware.gov/dhss/dph/hsp/odw.html. To view water system test results and other Delaware public water system data, visit the Drinking Water Watch website at https://drinkingwater.dhss.delaware.gov/. More information is available at this water quality website maintained by the Governor's Office: https://www.delaware.gov/topics/waterquality/index.shtml.