

SDWISDeficiencyDescCode	DeficiencyDescription
DSS1	Distribution Significant Deficiency Cross Connections
DSS2	Distribution Significant Deficiency Widespread Low Pressure
DSS2	Distribution Significant Deficiency Widespread Low Pressure
DSS3	Distribution Significant Deficiency Air Release Valves Submerged or Uncapped
DSS4	Distribution Significant Deficiency Failure to Disinfect Mains
MRS1	Significant Deficiency Falsification of Monitoring or Reporting Records
MRS2	Significant Deficiency Failure to Maintain Adequate Records
MRS2	Significant Deficiency Failure to Maintain Adequate Records
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MRS2	Significant Deficiency Failure to Maintain Adequate Records
MRS2	Significant Deficiency Failure to Maintain Adequate Records
MRS3	Finished Water Turbidity Monitoring and Recording
MRS3	Finished Water Turbidity Monitoring and Recording
OCS2	Operator Compliance Significant Deficiency Properly Certified Chief Distribution Operator
OCS4	Operating Treatment Plant without an Operator On Duty
OCS4	Operating Treatment Plant without an Operator On Duty
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OCS4	Operating Treatment Plant without an Operator On Duty
PUS1	Pumps Significant Deficiency Pumps Cause Persistent Low Pressures
SMS2	Management/Operation Significant Deficiency Failure to Address Previous Sig Def
SMS3	Failure to Address CPE Recommendations after Exceeding Filter Turbidity Action Levels
SOS1	Source Significant Deficiency Well Head
SOS1	Source Significant Deficiency Well Head
SOS1	Source Significant Deficiency Well Head
SOS1	Source Significant Deficiency Well Head
SOS1	Source Significant Deficiency Well Head
SOS2	Damage to Spillway or Dam Threatening Structural Integrity
SOS2	Damage to Spillway or Dam Threatening Structural Integrity
SOS2	Damage to Spillway or Dam Threatening Structural Integrity
STS1	Storage Significant Deficiency Openings
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TRS6	Maximum Residual Violation for Chlorine Dioxide Systems
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QuestionText	RegulatoryRuleRefCode
Has the department notified the system previously of these cross-connections?	10 CSR 60-11.010(2)
Does system have wide spread or persistent low pressure events?	10CSR60-4.080(9)
Is there chronic difficulty in maintaining system pressure or in filling water storage due to well or pump capacity?	10CSR60-4.080(9)
Are there any submerged automatic air release valves or uncapped manual air release valves?	10 CSR60(4)(A)(4)C.3
Has system failed to properly disinfect new or newly repaired water mains?	10CSR60-4.025(4)(A)(4)C.4
Has system falsified monitoring or reporting records?	10CSR60-4.025(4)(A)(4)F.1
Are any of the following records not being maintained:	10CSR60-4.025(4)(A)(4)F.2
Bacteriological Analysis - 5 years retention.	10 CSR 60-9.010(1)(A)
Chemical Analysis - 10 years retention.	10 CSR 60-9.010(1)(A)
Is there an Emergency Operation Plan available for review?	10 CSR 60-12.010
Operational Analysis - 5 years retention	10 CSR 60-9.010(1)(A)
Records of actions taken to correct violations - 3 years retention.	10 CSR 60-9.010(1)(B)
Is the system doing the required finished water turbidity monitoring and recording?	10 CSR 60-4.050(3)(A)
Is the system meeting the finished water turbidity standards?	10 CSR 60-4.050(3)(B)
Does the system have a duly certified chief operator in responsible charge of distribution system as required?	10 CSR 14.010(4)(A)(6)
Are enough operators available to adequately man the treatment plant 365 days per year?	10 CSR 14.010(4)(A)(6)
Does system allow surface water or GWUDISW treatment plant to operate without a certified operator on duty to monitor the operation of the facility?	10 CSR 14.010(4)(A)(5)
Does the system have a duly certified chief operator in responsible charge for water treatment as required?	10 CSR 14.010(4)(A)(6)
Is a certified operator on duty whenever the plant is in operation?	10 CSR 14.010(4)(A)(6)
Are there repeated or persistent low pressures caused by pump or pump control problems or inadequate pump capacity.	10 CSR 60-4.080(9)
Has the system failed to address significant deficiencies listed in the most recent inspection report or sanitary survey report.	10CSR60-4.025(4)(A)(4)G
Has the system failed to address Comprehensive Performance Evaluation Recommendations after exceeding filter turbidity action levels?	10 CSR 60-7.010(7)(B)(1)D
Are all other openings for vents, wires, and other appurtenances that pass through the upper well terminal properly sealed?	10CSR60-4.025(4)(A)(4)A.
For wells that are not pitless units, is the well seal properly installed and maintained?	10CSR60-4.025(4)(A)(4)A.
Is top of well fitted with a water tight well cap for wells with pitless units?	10CSR60-4.025(4)(A)(4)A.
Is well vent screened with an #18 mesh corrosion resistant screen?	10CSR60-4.025(4)(A)(4)A.
Is well vent sized adequately at least 1.5 inches in diameter covered with an 18 mesh?	10CSR60-4.025(4)(A)(4)A.
Is there damage to Spillway or Dam threatening structural integrity?	10 CSR 22-3.020(3)
Is there damage to the dam threatening structural integrity?	10 CSR 22-3.020(3)
Is there damage to the spillway threatening structural integrity?	10 CSR 22-3.020(3)
Are access opening covers overlapping, water tight, and greater than or equal to four inches above the tank roof surface?	10CSR60-4.025(4)(A)(4)D.1
Are all other roof penetrations properly sealed?	10CSR60-4.025(4)(A)(4)D.1

Are roof penetrations, if any, adequately sealed?	10CSR60-4.025(4)(A)(4)D.1
Are the roof and side walls water tight with no unprotected openings?	10 CSR 60-4.080(7)
Are there cracks in the walls or covers of the in-ground concrete storage tanks?	10CSR60-4.025(4)(A)(4)D.1
Does any unprotected, inadequately protected or improperly constructed opening in a storage facility exist?	10CSR60-4.025(4)(A)(4)D.1
Does the storage reservoir have a watertight roof or cover and is it sloped so that water will drain?	10CSR60-4.025(4)(A)(4)D.1
Is air vent properly screened?	10CSR60-4.025(4)(A)(4)D.1
Is air vent turned downward or covered from rain?	10CSR60-4.025(4)(A)(4)D.1
Is all treated water storage covered with a permanent water tight roof that drains properly?	10 CSR 60-4.080(7)
Is all treated water storage covered?	10CSR60-4.025(4)(A)(4)D.1
Is leakage evident at time of inspection?	10CSR60-4.025(4)(A)(4)D.1
Is the access hatch opening covers overlapping, water tight, and greater than or equal to four inches above the tank roof surface?	10CSR60-4.025(4)(A)(4)D.1
Is there a roof penetration for a water level indicator cable through a fitting grommet that is NOT tight?	10CSR60-4.025(4)(A)(4)D.1
Screened or fitted with a flapper gate or screened?	10CSR60-4.025(4)(A)(4)D.1
Screened?	10CSR60-4.025(4)(A)(4)D.1
Turned downward or covered from rain?	10CSR60-4.025(4)(A)(4)D.1
Are there feathers, nesting material, or other debris found inside the overflow pipe?	10CSR60-4.025(4)(A)(4)D.2
Is there evidence that the water in the storage facility has been contaminated. (feathers or nesting material in an overflow pipe, positive bacteria samples)?	10CSR60-4.025(4)(A)(4)D.2
Are routine settleable solids tests done and recorded (no less once a shift)?	10 CSR 60-4.050(4)(D)(6)
For systems not treating surface water or GWUDI, are daily tests done and recorded for turbidity, chlorine residual or iron concentration on each filter effluent?	10 CSR 60-4.080(3)
Has the system failed to perform and record the results of sufficient analyses to maintain control of treatment process or water quality?	10CSR60-4.025(4)(A)(4)B.1
Is sufficient operational monitoring being done to determine if a system is meeting CT requirements?	10 CSR 60-4.080(3)
Is the system continuously monitoring and recording each filter effluent?	10 CSR 60-4.050(3)(E)
Is the system meeting minimum treatment monitoring requirements?	10 CSR 60-4.080(3)
If required, is the system meeting appropriate disinfection concentration and detention time (CT)?	10 CSR 60-4.055(2)(D)
If system is required to provide 4 logs virus inactivation or removal, is system meeting disinfection concentration and detention time (CT) requirements?	10 CSR 60-4.025
If systems is required to disinfect, does system have standby or redundant disinfection facilities?	10CSR60-4.025(4)(A)(4)B.3
Is the system maintaining the minimum disinfection free chlorine residual entering the distribution system of 0.5 mg/l free chlorine or 1.0 mg/l chloramines?	10 CSR 60-4.055(3)
Is at least a 0.2 mg/l total chlorine residual maintained at all points in the distribution system?	10 CSR 60-4.055(4)
Is the system meeting minimum disinfection residual of total chlorine in the distribution system of 0.2 ppm?	10 CSR 60-4.055(4)

For SW system or GWUDISW system, if feeding Chlorine Dioxide, has it exceeded the maximum residual for chlorine dioxide?	10 CSR 60-4.055(5)
If feeding Chlorine Dioxide, has it exceeded the maximum residual for chlorine dioxide?	10 CSR 60-4.055(5)