



**Section 11.28 Storage Tank Rule
Regulation No. 11 (5 CCR 1002-11)**

Comprehensive Inspection Instructions

Purpose

The department's comprehensive inspection checklist is intended for documenting the internal inspection of comprehensive storage tank inspections. The comprehensive inspection also includes an external inspection of storage tanks so the supplier of water must perform a periodic inspection at the same time. During a comprehensive inspection, the comprehensive checklist is always completed in conjunction with the periodic checklist. Please note that the use of these checklists is not mandatory and suppliers of water can develop and use their own checklist.

Section 11.28 (Storage Tank Rule) of Regulation No. 11 requires suppliers of water that use finished water storage tanks to develop and maintain a written plan for inspecting these tanks. The written storage tank inspection plan must include an inventory of the finished water storage tanks, the methods for performing and documenting the comprehensive inspections for each finished water storage tank including identifying the qualified personnel who perform the inspections, the schedule for performing comprehensive inspections of each finished water storage tank (at least every five years or on a justified and documented alternative schedule), and timelines for correcting any storage tank sanitary defects identified during the inspection (which constitutes the corrective action schedule).

As indicated above, comprehensive inspection is an internal and external inspection to identify sanitary defects that covers all aspects of the condition of the storage tank including but not limited to sanitary, structural, and coating systems conditions, as well as, security and safety concerns. These inspections often require the storage tank to be removed from service and drained unless robotic devices or divers are used along with appropriate sanitary standards and precautions.

Comprehensive inspections of each finished water storage tank must be scheduled at least every five years or on an alternative schedule. If the supplier of water schedules a comprehensive inspection on an alternative schedule, the supplier must provide justification for the alternative schedule in the written plan for finished water storage tank inspections, which is subject to Department review and revision. The Department has available upon request a storage tank inspection plan template that includes a section for documenting an alternative schedule, if used.

Suppliers of water that use finished water storage tanks will incur a treatment technique violation of section 11.28 of Regulation 11 if the supplier fails to perform or document a comprehensive inspection. This treatment technique violation requires a Tier 2 public notice. For information on Tier 2 public notice requirements, please contact the department's Drinking Water Compliance Assurance Section at 303-692-2085.

Comprehensive Inspection Checklist Instructions

1. This checklist is intended for documenting the internal portion of comprehensive inspections of finished water storage tanks or vessels.
2. For the external portion of the comprehensive inspection, the supplier of water shall conduct a periodic inspection and complete that checklist to accompany the comprehensive inspection and checklist.
3. Comprehensive inspections of each finished water storage tank must be scheduled at least every five years (or on a justified and documented alternative schedule) and be performed by qualified personnel as defined in the storage tank inspection written plan.
4. Complete a checklist for each finished water storage tank or vessel. Note: A finished water storage tank or vessel is located downstream of the entry point and is not pressurized.

5. Comments must be provided for any answers indicating problems or impending problems.
6. The inspector must provide detailed information in the inspection checklist of any sanitary defects, problems, or impending problems.
7. The department requests that photographs be taken of any identified sanitary defects, problems or impending problems during the comprehensive tank inspection.
8. Whenever a comprehensive inspection reflects any sanitary defects, the supplier will include a corrective action schedule to correct these defects in the inspection checklist (last column of the inspection table).
9. When the sanitary defect is corrected, the supplier will also include in the last column of the inspection table the corrective actions completed and the associated completion dates.
10. The department requests that photographs be taken of corrections to any sanitary defects, problems or impending problems documented during the periodic tank inspection.
11. The supplier should also note in the last column when photographs were taken (of both the sanitary defects and the completed corrective actions) and attach them to the checklist.
12. When completed in full and correctly (per the checklist instructions), the comprehensive inspection checklist will provide all the information for the required inspection summary that is due no later than 60 days after each completed inspection.
13. The supplier must keep each completed checklist on file for a minimum of five years and available for review upon request by the department. Note: The checklists should be documented in the Supplier's record retention section of the general monitoring plan.
14. It is critical that the supplier maintain the checklists in an organized manner (e.g., filed chronologically in a dedicated binder or electronically) to facilitate this review.
15. The department recommends that photographs be used for documenting inspections regardless if sanitary defects, problems or impending problems are found or not. In other words, the supplier could take photographs of good tank management practices to be used as part of the inspection documentation.