

3745-81-41 Ground water rule - general requirements and applicability.

Applicability. This rule applies to all public water systems that use ground water except those that combine all of their ground water with surface water or with ground water under the direct influence of surface water prior to treatment under rule 3745-81-71 of the Administrative Code. For the purpose of rules 3745-81-41 to 3745-81-45 of the Administrative Code, "ground water system" is defined as any public water system meeting this applicability statement, including consecutive systems receiving finished ground water.

(A) Systems subject to this rule shall comply with the following:

- (1) Inspection and response requirements for all ground water systems as described in rule 3745-81-60 of the Administrative Code.
- (2) Microbial source water monitoring requirements for ground water systems that do not treat all of their ground water to at least 99.99 per cent (4-log) treatment of viruses (using inactivation, removal, or a director-approved combination of 4-log virus inactivation and removal) before or at the first customer as described in rule 3745-81-42 of the Administrative Code.
- (3) Treatment technique requirements, described in rule 3745-81-61 of the Administrative Code, that apply to ground water systems that have fecally contaminated source waters as determined by source water monitoring conducted under rule 3745-81-42 of the Administrative Code, or that have significant deficiencies that are identified by the director through the sanitary survey process, or through a level one or level two assessment conducted in accordance with rule 3745-81-53 of the Administrative Code. A ground water system with fecally contaminated source water or with significant deficiencies subject to the treatment technique requirements of this rule shall implement one or more of the following corrective action options: correct all significant deficiencies; provide an alternate source of water; eliminate the source of contamination; or provide treatment that reliably achieves at least 4-log treatment of viruses (using inactivation, removal, or a director-approved combination of 4-log virus inactivation and removal) before or at the first customer.
- (4) Ground water systems that provide at least 4-log treatment of viruses (using inactivation, removal, or a director-approved combination of 4-log virus inactivation and removal) before or at the first customer are required to conduct compliance monitoring to demonstrate treatment effectiveness, as described in rule 3745-81-43 of the Administrative Code.
- (5) If requested by the director, ground water systems shall provide any existing information that will enable the director to perform a hydrogeologic sensitivity assessment.

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