

3745-91-03

Requirements for plan drawings.

(A) Plan drawings shall conform to the following:

- (1) Be legible prints suitable for electronic reproduction ~~by photocopy or other means~~.
- (2) Show the names of the owner and of the person responsible for design of the project, including their signature indicating approval of the project.
- (3) Be issued in a manner consistent with section 4733.14 of the Revised Code by a registered professional engineer when required by paragraph (B) or (C) of this rule.
- (4) Contain a suitable title for the project.
- (5) Include a site map showing the location of the project with reference to highways, streets, corporate boundaries and local physical landmarks.
- (6) Be drawn to scale and if not drawn to scale, must be dimensioned.
- (7) Indicate north.
- (8) Include relevant elevations.
- (9) Show existing water supply facilities that are relevant to the proposed project, if any, and the relationship of the proposed project to these existing facilities.
- (10) Show the locations of sewer lines and other potential sources of contamination in the area of the proposed project in plan and profile views.
- (11) Provide dimensions of all structures, facilities and other relevant features.
- (12) When the project includes treatment facilities, provide a treatment process schematic and hydraulic flow schematics.

(B) The following types of plans required pursuant to rule 3745-91-02 of the Administrative Code shall be prepared by a registered professional engineer and issued in a manner consistent with section 4733.14 of the Revised Code:

- (1) Plans involving the expenditure of public funds in excess of five thousand dollars.
- (2) Plans for the removal, inactivation or chemical treatment of a health-based contaminant.
- (3) Plans for chemical feed systems that pose a safety risk, such as gaseous chlorine, fluoride or sodium hydroxide.

- (4) Plans for change or modification of coagulant feed systems at surface water treatment plants.
 - (5) Plans for small systems that are not within the scope of the Ohio environmental protection agency's "Guidelines for Design of Small Public Water Systems" 2015.
 - (6) Plans for community water system line extensions costing more than five thousand dollars.
 - (7) Plans for elevated back-wash storage tanks.
 - (8) Plans for booster pumping stations.
 - (9) Plans for on-ground or in-ground water storage tanks with a capacity greater than fifty thousand gallons located at water treatment plants.
 - (10) Plans for all distribution storage tanks.
 - (11) General plans for community water systems and noncommunity water systems that are not within the scope of the Ohio ~~EPA environmental protection agency's~~ "Guidelines for Design of Small Public Water Systems" 2015.
- (C) In addition to the specific types of plans in paragraph (B) of this rule, the director may require other plans to be prepared and issued in a manner consistent with section 4733.14 of the Revised Code by a registered professional engineer to protect the public welfare or to safeguard life, health or property.
- (D) The director may require a demonstration of knowledge and experience by the designer for projects containing a high degree of complexity, non-standard technology, unusual features or deviations from standards and guidelines used by the agency.
- (E) The following types of plans required pursuant to rule 3745-91-02 of the Administrative Code may be prepared by a qualified individual knowledgeable in the field or scope of project other than a registered professional engineer unless the plans involve the expenditure of public funds in excess of five thousand dollars:
- (1) Plans for new wells.
 - (2) Plans for chemical feed systems at ground water treatment plants other than plans for gaseous chlorine, fluoride or sodium hydroxide feed systems.

- (3) Plans for small noncommunity systems that are within the scope of the Ohio ~~EPA~~environmental protection agency's "Guidelines for Design of Small Public Water Systems" ~~2015~~.
- (4) Plans within the scope of the Ohio environmental protection agency's "Guidelines for Design of Small Public Water Systems" (~~2015~~) for water treatment systems for community water systems with a capacity of fifty thousand gallons per day or less.
- (5) Plans for emergency generators.
- (6) Plans for deactivation of a water treatment plant.
- (7) Plans for pre-engineered on-ground or in-ground water storage tanks with a capacity of fifty thousand gallons or less located at water treatment plants.
- (8) Non-required treatment systems that will have no discernable effect.
- (9) Lead and copper corrosion control studies and recommendations.

[This rule references the "Guidelines for Design of Small Public Water Systems" fourth edition, issued ~~2015~~2021. This document is available from "Ohio EPA, Lazarus Government Center, 50 West Town Street, Suite 700, Columbus, OH 43215," (614) 644-2752. A copy may also be obtained online at ~~www.epa.ohio.gov/ddagw~~ https://epa.ohio.gov/divisions-and-offices/drinking-and-ground-waters.]

Effective:

Five Year Review (FYR) Dates: 4/6/2022

Certification

Date

Promulgated Under: 119.03
Statutory Authority: 6109.04
Rule Amplifies: 6109.04, 6109.07
Prior Effective Dates: 11/26/1980, 10/17/2003, 05/20/2010, 02/23/2015,
06/13/2016