

3745-91-03 **Requirements for plan drawings.**

(A) Plan drawings shall conform to the following:

- (1) Be legible prints suitable for 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" (2014).
- (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 environmental protection agency's "Guidelines for Design of Small Public Water Systems" (2014).
- (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 they 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 environmental protection agency's "Guidelines for Design of Small Public Water Systems" (2014).
 - (4) Plans within the scope of the Ohio environmental protection agency's "Guidelines for Design of Small Public Water Systems" (2014) 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 2014. 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.]

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