

## Indiana Standards for *EZflow*® by Infiltrator in Elevated Sand Mound Onsite Sewage Systems

These standards apply to Infiltrator *EZflow*® for Elevated Sand Mound (ESM) onsite sewage systems manufactured by Infiltrator Water Systems, LLC (IWT, LLC).

The department approves *EZflow*® models 1201-P-GEO, 1202-A-GEO, 1201-P, and 1201-A. [Only the specific configurations listed in this document are approved. If configurations in the manufacturer's product line do not appear on the list, they are not approved for use.]

### I. General requirements:

- A. Infiltrator's *EZflow*® for *ESM* systems must be designed and installed in a manner that complies with 410 IAC 6- 8.3, Residential On-site Sewage Systems, or 410 IAC 6-10.1, Commercial On-Site Sewage Systems, whichever is applicable, for all requirements not described this document or in the *Infiltrator EZflow*® *Indiana Elevated Sand Mound Design Manual, April, 2019*.
- B. Infiltrator's *EZflow*® for *ESM* must comply with local ordinances, requirements and procedures.
- C. Any revisions to the manual must be approved by the department prior to publication and implementation.
- D. The owner, or agent of the owner, must obtain a construction permit from the health department having jurisdiction prior to the start of construction of the residence or commercial facility.

### II. Requirements for certification and oversight:

- A. Designers, installers, and all individuals involved in the permitting and inspection process must complete training on the Infiltrator's *EZflow*® for *ESM* systems presented by IWT, LLC or its sanctioned representative, before they may design, install, or permit an ESM onsite system containing an Infiltrator *EZflow*® for *ESM* system. Each individual shall receive a certification from IWT, LLC that they have completed the training.
- B. IWT, LLC, or its sanctioned representative, must:
  1. Notify the department, at least ten (10) working days in advance, of each training and certification class offered in Indiana for which more than 3 trainees will be present;
  2. Offer field demonstrations of Infiltrator's *EZflow*® for *ESM* systems installations; and
  3. Provide health departments, designers and installers ongoing consultation, as needed.

### III. Requirements for recordkeeping:

IWT, LLC must provide the department with records, on an ongoing basis, of individuals certified for the design, installation or permitting of Infiltrator's *EZflow*® for *ESM* systems in Indiana.

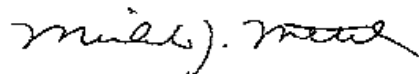
**IV. Requirements for local health departments, installers, and owners:**

- A. Prior to construction of an Infiltrator EZflow® for ESM systems, the installer must notify the local health department, according to written procedures developed by the local health department, as to the start date of construction;
- B. An Infiltrator EZflow® for ESM system must not be constructed during periods when the soil is sufficiently wet to exceed its plastic limit. **Before installation of the sand bed the soils must pass soil plasticity tests.** Soil plasticity tests of the sand bed site include the evaluation of soil samples throughout the sand bed site, both at the surface and at the depth of installation, to assure that the plastic limit of the soil is not exceeded. The plastic limit of a soil is exceeded when the soil can be rolled between the palms of the hands to produce threads one-eighth (1/8) inch in diameter that do not easily break apart or crumble.
- C. Construction of the Infiltrator EZflow® for ESM system must proceed based on the approved plan. Any changes, alterations, or additions to the approved plan must be submitted by the designer or installer to the local health department, or the Indiana State Department of Health, whichever is applicable, and approved prior to construction.
- D. After construction of the Infiltrator EZflow® for ESM system:
1. The owner must permit staff of the department and local health department to make observations of the system, and collect samples, at reasonable times.
  2. The owner must immediately notify the local health department if the system shows signs of failure as defined in 410 IAC 6-8.3-33.

Approval for the use of the Infiltrator EZflow® for ESM technology manufactured by IWT, LLC under these standards does not constitute an endorsement of this product.

Approved: April 24, 2019

Effective: May 16, 2019



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ENVIRONMENTAL PUBLIC HEALTH DIVISION