



*Environmental Public Health Division
2 N. Meridian St., 7D
Indianapolis, IN 46204*

Indiana Standards for Eljen GSF Systems

These standards apply to Eljen GSF Systems manufactured by Eljen Corporation

I. General requirements:

- A. Eljen GSF 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 Eljen GSF ® Geotextile Sand Filter Indiana Design and Installation Manual, January, 2025.
- B. Eljen GSF Systems 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 process must complete training on the Eljen GSF System presented by Eljen Corporation or its sanctioned representative, before they may design, install, or permit an onsite system containing an Eljen GSF System. Each individual shall receive a certification from Eljen Corporation that they have completed the training.
- B. Eljen Corporation 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 Eljen GSF Systems installations; and
 - 3. Provide health departments, designers and installers with ongoing consultation, as needed.

III. Requirements for recordkeeping:

Eljen Corporation must provide the department with records, on an ongoing basis, of individuals certified for the GSF design, installation or permitting in Indiana.

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

- A. Prior to construction of an Eljen GSF System, the installer must notify the local health department, as to the start date of construction.
- B. An Eljen GSF 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 Eljen GSF System must proceed based on the approved plan. Any changes, alterations, or additions to the approved plan must be submitted by the 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 Eljen GSF 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 Eljen GSF System technology manufactured by Eljen Corporation under these standards does not constitute an endorsement of this product.

Approved: March 25, 2014
Effective: March 25, 2014
Revised: May 26, 2017

Revised: June 1, 2018
Revised: March 14, 2019
Revised: April 13, 2020
Revised: February 4, 2025



MICHAEL METTLER, REHS, DIRECTOR

ENVIRONMENTAL PUBLIC HEALTH DIVISION