

SECTION .1600 – APPROVAL OF PRE-ENGINEERED PACKAGE DRIP DISPERSAL SYSTEMS

15A NCAC 18E .1601 GENERAL

- (a) Drip dispersal systems for DDF less than or equal to 3,000 gpd shall be configured as a package and approved as a PIA System in accordance with Section .1700 of this Subchapter.
- (b) The integrated system package shall be provided from a single source manufacturer or system integrator, comprised of catalogued standardized design components that have been coordinated and tested by the manufacturer or integrator. Components shall include:
- (1) dispersal field pump(s) and floats;
 - (2) headworks assemblies;
 - (3) dispersal field piping network, drip tubing, and appurtenances; and
 - (4) system controls that provide for automatic filter cleaning, timed field dosing, field flushing, alarm notification, and recording of system operation.
- (c) All components shall be integrated and designed to operate together. The system manufacturer or integrator shall provide system design information including:
- (1) head loss charts, tables, or formulas for various drip tubing lateral lengths during a dosing and flushing cycle;
 - (2) minimum and maximum zone size and design;
 - (3) design plans and specifications for all components;
 - (4) installation specifications; and
 - (5) operation and maintenance manuals.
- (d) The system manufacturer shall provide support to train and authorize designers, installers, Management Entities, regulators, and users.
- (e) Drip dispersal system performance, siting, sizing, installation, operation, monitoring, maintenance and reporting requirements shall comply with Rules .0908, .1204, and Section .1300 of this Subchapter, as applicable, and the rules of this Section.
- (f) Drip dispersal systems that are not pre-engineered packages approved in accordance with Section .1700 of this Subchapter shall be designed on a project specific basis by a PE and shall comply with Rules .0908, .1204, and Section .1300 of this Subchapter, as applicable, and the rules of this Section.
- (g) Drip dispersal systems for DDF greater than 3,000 gpd shall comply with the design and performance requirements of this Section and shall be designed on a project specific basis by a PE. The system design shall be reviewed and approved by the Department in accordance with Rule .0302 of this Subchapter, unless the system is permitted in accordance with Rule .0207 of this Subchapter.

History Note: Authority G.S. 130A-343;
Eff. January 1, 2024.