§ 141.802 Coliform sampling plan.

(a) Each air carrier under this subpart must develop a coliform sampling plan covering each aircraft water system owned or operated by the air carrier that identifies the following:

(1) Coliform sample collection procedures that are consistent with the requirements of §141.803(a) and (b).

(2) Sample tap location(s) representative of the aircraft water system as specified in §141.803(b)(2) and (b)(4).

(3) Frequency and number of routine coliform samples to be collected as specified in §141.803(b)(3).

(4) Frequency of routine disinfection and flushing as specified in the operations and maintenance plan under §141.804.

(5) Procedures for communicating sample results promptly so that any required actions, including repeat and follow-up sampling, corrective action, and notification of passengers and crew, will be conducted in a timely manner.

(b) Each air carrier must develop a coliform sampling plan for each aircraft with a water system meeting the definition of a public water system by April 19, 2011.

(c) The coliform sampling plan must be included in the Aircraft Water System Operations and Maintenance Plan required in §141.804. Any subsequent changes to the coliform sampling plan must also be included in the Aircraft Water System Operations and Maintenance Plan required in §141.804.

§ 141.803 Coliform sampling.

(a) Analytical methodology. Air carriers must follow the sampling and analysis requirements under this section.

(1) The standard sample volume required for total coliform analysis, regardless of analytical method used, is 100 mL.

(2) Air carriers need determine only the presence or absence of total coliforms and/or E. coli; a determination of density of these organisms is not required.

(3) Air carriers must conduct analyses for total coliform and E. coli in accordance with the analytical methods approved in §141.21(f)(3) and 141.21(f)(6).

(4) The time from sample collection to initiation of analysis may not exceed 30 hours. Systems are encouraged but not required to hold samples below 10 °C during transit.

(5) The invalidation of a total coliform sample result can be made only by the Administrator in accordance with §141.21(c)(1)(i), (ii), or (iii) or by the certified laboratory in accordance with §141.21(c)(2).

(b) Certified laboratories. For the purpose of determining compliance with