

**Forest Service Manual
National Headquarters - Washington Office
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Forest Service Manual 7400 – Public Health and Pollution Control Facilities

Chapter 7410 - Administration

Amendment: 7400-2000-1

Effective date: October 31, 2000

Duration: This amendment is effective until superseded or removed.

Approved by: Mike Dombeck, Chief

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Responsible Staff:

Last Change:

Superseded Document(s): 7400 Contents, Amendment 7400-95-3; 7400 Zero Code, Amendment 7400-90-1; 7410, Amendment 7400-90-1; 7420 Contents, Amendment 7400-95-1; 7420, Amendment 7400-95-2; 7430, Amendment 7400-90-1; 7440, Amendment 7400-90-1; 7460, Amendment 7400-90-1; 7490, Amendment 7400-90-1

Digest: Following is an explanation of the changes throughout the directive by section.

Posting Instructions: This is a technical amendment that converts the format and style of this FSM title from Applixware to the current corporate word processing application. Since this amendment replaces all text except Interim Directives (ID's), do not check for the last transmittal received for this title; instead place this transmittal sheet at the front of the title. DO NOT remove ID's when posting this amendment. ID's are not being reformatted at this time.

Please read the new posting instructions (above) carefully.

7400: The entire amendment text has been reformatted and replaced, so that the amendment text on the Service-wide Directives Home Page in the Forest Service Web/Intranet (<http://fsweb.wo.fs.fed.us/directives/index.html>) corresponds with the amendment text on the Forest Service Directives Home Page in the Forest Service World Wide Web/Internet (<http://www.fs.fed.us/im/directives>).

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Although some minor typographical and technical errors have been corrected, substantive direction has not been changed.

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Program criterion are provided to establish the appropriate planning, construction, operation, and maintenance standards for completion of the most effective and economical utility system for a specific installation (FSM 1920).

7411 - Compliance with Pollution Control Standards

7411.1 - Abatement and Control of Water Pollution From New Facilities

See sections 1-1, 1-2, 1-4, 1-5, and 1-6 of Executive Order 12088 for an enumeration of the required provisions. Forest Service Regional Offices shall notify the Environmental Protection Agency/State agency or both concerning proposed performance specifications for each facility to meet requirements of subsection 1-102 of this order.

Prior to beginning any construction, the applicable surveillance agency may ask to examine any or all project data.

7411.2 - Abatement and Control of Water Pollution From Existing Facilities

Previously noted sections of Executive Order 12088 (FSM 7411.1) also apply to existing facilities.

7413 - Project Planning and Administration

The following standards shall apply to all public health and pollution control projects.

7413.1 - Priority of Corrective Work

In preparing and executing programs and work plans give priority to the correction of public health hazards and to pollution abatement activities. Establish priority of corrective work for the elimination or reduction of hazards according to those that endanger by direct human intake, direct human contact, indirect human intake, or indirect human contact. See FSM 2330.3 and FSM 7300.

7413.2 - Engineering Report

Preparation of an engineering report (using the interdisciplinary approach) as outlined in FSH 7409.11 shall precede the engineering design for any site development or improvement involving potable water supplies, swimming pools, liquid or solid wastes, storage of hazardous materials, vector control, or food handling. Submit this report to the Regional Office for review, coordination, and approval before beginning design work unless these procedures are specifically modified by Regional Supplement.

7413.3 - Value Analysis

Perform and document a value analysis for each public health and pollution control project with an estimated cost in excess of one half million dollars. Regional Offices shall develop direction on value analysis for projects less than one half million dollars.

7413.4 - Construction Specifications and Drawings

Construction specifications and drawings shall contain all information necessary for the contractor to perform the work. Prepare specifications in accordance with Federal Acquisition Regulations (FAR's).

7413.5 - Construction Supervision

Construction supervision shall be sufficient to ensure compliance with the construction drawings and specifications. Contracting Officer's Representatives and inspectors for construction contracts shall be certified in accordance with the procedures established in FSM 7115.

7413.6 - As-Built Drawings

Maintain current as-built drawings of all developed water supply and distribution systems, waterborne wastewater systems, solid waste disposal facilities, swimming pools, and related systems.

7413.7 - Monumentation of Underground Utilities

Mark the location of all underground utilities with permanent surface markers unless connections defining the location are visible or use detection tape in the trench backfill. Show marker locations on the as-built drawings.

7413.8 - Condition Surveys

File the survey report with the line officer where the technical planning takes place. Periodic condition surveys are not necessary for those systems or portions of systems that receive regular operating attention and for which regular records are kept. For these facilities, prepare a condition survey report as soon as it becomes apparent that routine future maintenance will be insufficient.

Perform condition surveys of septic tank-absorption field systems at the time the tank is pumped. These condition surveys should occur about every 3 to 5 years, even though the tank may be pumped more frequently.

Annually inspect and prepare a condition survey report for such facilities as sanitary landfills, lagoons, spring boxes, other water intake works, lift stations, and other facilities not regularly reported.

7413.9 - Operation and Maintenance Plan

For every installation involving water supplies or waste treatment or disposal, persons technically competent in the design considerations and maintenance procedures for the system and its components shall prepare an operation and maintenance plan. The plan shall describe the methods of operating and maintaining each element within the system in order to effect satisfactory functioning of the entire system. The plan shall include normal and emergency operating procedures where necessary.

Where the system serves a group of buildings, include the system's operation and maintenance plan as a part of the overall plan for the complete facility. Prepare the plan in accordance with FSH 7409.11.

The plan must include provisions for both monitoring and follow-up actions and particularly a provision for corrective action for water supplies, and wastewater collection, treatment, and disposal systems. Fully and systematically document all actions in accordance with procedures set forth in the appropriate chapters of this title. Plans shall adequately cover operator needs at an installation including appropriate training and certification requirements.

Establish and maintain permanent case folders for each inventoried potable water system, waterborne wastewater system, and solid waste disposal site at Forest Supervisor or District Ranger offices. Regional Offices shall specify case folder requirements.