

U.S. Department of Energy

Oak Ridge Operations

ORO O 440 Chapter III

DATE: 9-30-96

SUBJECT: ENVIRONMENTAL PROTECTION, SAFETY, AND HEALTH PROTECTION STANDARDS

1. PURPOSE. This Chapter correlates to DOE O 440.3 (formerly DOE 5480.4), ENVIRONMENTAL PROTECTION, SAFETY, AND HEALTH PROTECTION STANDARDS, dated May 15, 1984, which has now been renumbered in accordance with the new DOE Order Numbering System, as published in DOE M 251.1-1, Change 1, dated December 12, 1995. Nothing within the DOE Order has been changed at this point, but if a new DOE Order is published, it will be numbered in this manner. Until that time, the new number is assigned to the previous DOE Order. This new Oak Ridge Operations (ORO) Chapter assigns responsibility and accountability and provides administrative and/or contractual guidance to ORO and its contractors. Nothing in this issuance changes any requirements in any DOE Order.
2. CANCELLATION. This Chapter cancels and replaces ORIG 5480.4B, ENVIRONMENTAL PROTECTION, SAFETY, AND HEALTH PROTECTION STANDARDS, dated June 22, 1994.
3. APPLICABILITY. The provisions of this Chapter apply to ORO Principal Staff and contractors subject to the provisions of DEAR 970.5204-2 and DEAR 952.223-72.
4. RESPONSIBILITIES.
 - a. Directors, Technical Support (TSD) and Operations Divisions (OD).
 - (1) Provide technical guidance and assistance, as requested, to the Contracting Officers' Representatives (COR) in their performance of tasks under DOE O 440.3 and this Chapter.
 - (2) Review contractor requests for exemptions from mandatory standards of DOE O 440.3 and submit them to the cognizant Secretarial Officer (CSO) for approval.
 - (3) Identify needs, in coordination with the COR, for new or revised environmental, safety, and health (ES&H) standards in accordance with the requirements of DOE O 252.1 (formerly DOE 1300.2A) and ORO O 250, Chapter III.
 - (4) Submit information copies of all requests to Federal or state agencies for exemptions from statutory requirements to the Assistant Secretary for Environment, Safety, and Health and appropriate CSO.
 - b. Contracting Officers' Representatives.
 - (1) Perform those tasks identified in DOE O 440.3, subparagraphs 8b(1) and (2).

- (2) Review, coordinate with, and forward to TSD or OD the requests for exemptions from the mandatory standards in accordance with the exemption procedures of DOE O 440.3. Copies of any exemption request must be sent to the Directives Management Group.
 - (3) Prescribe, as appropriate, additional and/or more stringent standards for individual facilities after appropriate consultation with TSD, OD, and the ORO Standards Co-Managers (see ORO O 250, Chapter III).
 - (4) Provide technical and management oversight of contractors, as requested, in accordance with statutory requirements and DOE Orders.
5. REQUIREMENTS AND PROCEDURES. None.
6. REFERENCES.
 - a. DOE O 252.1 (formerly DOE 1300.2A), DEPARTMENT OF ENERGY TECHNICAL STANDARDS PROGRAM, dated May 19, 1992.
 - b. ORO O 250, Chapter III, OAK RIDGE OPERATIONS TECHNICAL STANDARDS PROGRAM, dated August 13, 1996.
7. DEFINITIONS. None.
8. CONTRACTOR REQUIREMENTS DOCUMENT. See Contractor Requirements Document, Attachment 1 of this Chapter.
9. ATTACHMENTS.
 - a. Attachment 1- Contractor Requirements Document.
 - b. Attachment 2 - Additional Standards, which lists mandatory standards and nonmandatory guidance.

CONTRACTOR REQUIREMENTS DOCUMENT

Contractors that are identified in paragraph 3 of this Chapter shall accomplish the following:

1. Comply with all ES&H mandatory standards and use as a guideline all ES&H reference standards specified in DOE O 440.3 and this Chapter.
2. Generate new ES&H procedures, as necessary, to fully implement all mandatory requirements of DOE O 440.3 and this Chapter.
3. Follow procedures identified in DOE O 440.3, paragraph 5; Attachment 1, paragraph 3; or Attachment 2, paragraph 3, when requesting exemptions, variances, exceptions, interim orders, waivers, or deviations.

ADDITIONAL STANDARDS

1. Mandatory Standards (Statutory Requirements). The ES&H standards listed in DOE O 440.3, Attachment 1, are mandatory for those ORO direct operations and ORO contractors subject to this Chapter and are included by direct reference. In addition to the mandatory standards of DOE O 440.3, Attachment 1, the following standards are mandatory as a result of non-DOE Federal or state ES&H statutes and/or implementing requirements. These additional requirements are essential to safety and proper performance of the contractor functions and shall be used in conducting ORO ES&H Programs, as appropriate:
 - a. Environmental Protection. All Environmental Protection Agency (EPA) regulations, state regulations, and local permit pretreatment use ordinances applicable to ORO. State regulations include state air, water, hazardous waste, and solid waste.
 - b. Occupational Health Protection.
 - (1) Radiation Protection. Applicable regulations of the Bureau of Radiological Health, Nuclear Regulatory Commission (NRC), and Agreements States concerning the possession, storage, use and disposal of radioisotopes, and ionizing radiation producing equipment that are not otherwise covered by DOE requirements/standards, such as the Radiological Control Manual.
 - (2) Industrial Hygiene and Industrial Safety. OSHA Standards 29 CFR 1910 and 29 CFR 1926. (For ORO sites where DOE does not exercise its statutory authority to enforce worker safety and health standards under the Atomic Energy Act, OSHA Standards are directly enforced by OSHA.)
2. Mandatory Standards (DOE Policy). The following standards are in addition to the ES&H standards listed in DOE O 440.3, Attachment 2, which are mandatory as a matter of DOE policy. ORO direct operations and ORO contractors subject to this Chapter shall follow those standards.

Occupational Health Protection - Public Health and Sanitation

- a. Food.
 - (1) Food Service Sanitation Manual DHEW Publication No. 78-2081 (FDA).
 - (2) The Vending of Food and Beverages, USPHS Publication No. 546.
 - (3) Ohio Food Service Operation, Section 3732 (Ohio plants only; substantive requirements only).
 - (4) Kentucky Food Service Establishment Act & State Food Service Code (Kentucky plants only; substantive requirements only).

b. Water.

- (1) National Interim Primary Drinking Water Regulations, Publication No. EPA-570/9-76-003 (EPA).
- (2) Manual for Evaluating Public Drinking Water Supplies, Publication No. 1820 (EPA).
- (3) Manual of Individual Water Supply Systems, Publication No. 430 9/73-003 (EPA).
- (4) Quality Standards for Bottled Water (21 CFR 11).
- (5) Sanitary Standard for Manufactured Ice, USPHS 1183.
- (6) GSA Handbooks on Performance Standards for Cleaning Public Buildings (GSA).
- (7) The Safe Drinking Water Act, S/N 95-10.
- (8) Kentucky Public & Semipublic Water Supplies Regulations 401 KAR 6-015 (Kentucky plants only; substantive requirements only).
- (9) Tennessee Regulations on Water Quality Control, Chapter 1200-5-1 (Tennessee plants only; substantive requirements only).
- (10) Ohio Drinking Water Rules, EPA OAC-3745.81 (Ohio plants only; substantive requirements only).

c. Sanitation. Minimum Requirements for Sanitation in Places of Employment, ANSI Z4-1.

3. Guidelines. The ES&H standards and guidelines listed in DOE O 440.3, Attachment 3, are incorporated in this Chapter by direct reference. In addition, the following standards and guidelines are provided for reference and information:

Industrial Safety.

- a. DOE Hoisting and Rigging Manual.
- b. Accident Prevention Manual, National Safety Council.