

## **SUBCHAPTER 1. GENERAL PROVISIONS**

### **252:410-1-7. Incorporation of federal regulations by reference**

(a) **10 CFR.** References in this Chapter to Title 10 of the Code of Federal Regulations (10 CFR) mean the ~~January 1, 2011~~ January 1, 2013 publication of 10 CFR.

(b) **40 CFR.** References in this Chapter to Title 40 of the Code of Federal Regulations (40 CFR) mean the July 1, 1998 publication of 40 CFR and 64 Fed. Reg. 5574 (February 3, 1999).

(c) **Citations incorporated.** When a provision of the Code of Federal Regulations is incorporated by reference, all citations contained therein are also incorporated by reference.

## **SUBCHAPTER 10. RADIOACTIVE MATERIALS PROGRAM**

### **PART 30. BYPRODUCT MATERIAL LICENSING IN GENERAL**

252:410-10-30. 10 CFR 30 incorporations by reference

### **PART 31. BYPRODUCT MATERIAL: GENERAL LICENSES**

252:410-10-31. 10 CFR 31 incorporations by reference

### **PART 32. BYPRODUCT MATERIAL: SPECIFIC LICENSES FOR MANUFACTURING AND TRANSFERRING CERTAIN ITEMS**

252:410-10-32. 10 CFR 32 incorporations by reference

### **PART 34. INDUSTRIAL RADIOGRAPHIC OPERATIONS**

252:410-10-34. 10 CFR 34 incorporations by reference

### **PART 36. IRRADIATOR LICENSES AND RADIATION SAFETY REQUIREMENTS**

252:410-10-36. 10 CFR 36 incorporations by reference

### **PART 39. WELL LOGGING**

252:410-10-39. 10 CFR 39 incorporations by reference

252:410-10-39.1. Additional requirements

### **PART 40. DOMESTIC LICENSING OF SOURCE MATERIAL**

252:410-10-40. 10 CFR 40 incorporations by reference

### **PART 70. SPECIAL NUCLEAR MATERIAL: LICENSING**

252:410-10-70. 10 CFR 70 incorporations by reference

### **PART 71. PACKAGING AND TRANSPORTING RADIOACTIVE MATERIAL**

252:410-10-71. 10 CFR 71 incorporations by reference

### **PART 30. BYPRODUCT MATERIAL LICENSING IN GENERAL**

**252:410-10-30. 10 CFR 30 incorporations by reference**

The following provisions are hereby incorporated by reference from 10 CFR 30, Rules of General Applicability to Domestic Licensing of Byproduct Material:

**(1) General Provisions.**

- (A) 30.1 - Scope
- (B) 30.2 - Resolution of conflict
- (C) 30.3(a), (c) and (d) - Activities requiring license
- (D) **30.4 - Definitions**
- (E) 30.7 - Employee protection
- (F) 30.9 - Completeness and accuracy of information
- (G) 30.10 - Deliberate misconduct

**(2) Exemptions.**

- (A) 30.11 - Specific exemptions
- (B) 30.12 - Persons using byproduct material under certain Department of Energy and Nuclear Regulatory Commission contracts
- (C) 30.13 - Carriers
- (D) 30.14 - Exempt concentrations
- (E) **30.15 - Certain items containing byproduct material**
- (F) 30.18 - Exempt quantities
- (G) **30.19 - Self luminous products containing tritium, krypton-85 or promethium-147**
- (H) **30.20 - Gas and aerosol detectors containing byproduct material**
- (I) 30.21 - Radioactive drug: Capsules containing carbon-14 urea for "in vivo" diagnostic use for humans
- (J) **30.22 - Certain industrial devices**

**(3) Licenses.**

- (A) 30.31 - Types of licenses
- (B) **30.32** (a) through (d) and (g) through (j) - Application for specific licenses
- (C) **30.33 - General requirements for issuance of specific licenses**
- (D) **30.34**(a), (b), (c), (e)(2), (e)(4), (f), (g), (h), (i), and (j) - Terms and conditions of licenses
- (E) **30.35 - Financial assurance and recordkeeping for decommissioning**
- (F) 30.36 - Expiration and termination of licenses and decommissioning of sites and separate buildings or outdoor areas, except (a)(2)
- (G) 30.37 - Application for renewal of licenses
- (H) 30.38 - Application for amendment of licenses
- (I) 30.39 - Commission action on applications to renew or amend
- (J) 30.41 - Transfer of byproduct material, except (b)(6)

**(4) Records, inspections, tests and reports.**

- (A) 30.50 - Reporting requirements
- (B) 30.51 - Records
- (C) 30.52 - Inspections
- (D) 30.53 - Tests

**(5) Enforcement.**

- (A) 30.61 - Modification and revocation of licenses
- (B) 30.62 - Right to cause the withholding or recall of byproduct material

**(6) Schedules.**

- (A) 30.70 - Schedule A - Exempt concentrations
- (B) 30.71 - Schedule B
- (C) 30.72 - Schedule C - Quantities of radioactive materials requiring consideration of the need for an emergency plan for responding to a release.

**(7) Appendices.**

- (A) Appendix A - Criteria relating to use of financial tests and parent company

guarantees for providing reasonable assurance of funds for decommissioning.

(B) Appendix B - Quantities of licensed material requiring labeling.

(C) Appendix C - Criteria relating to use of financial tests and self guarantees for providing reasonable assurance of funds for decommissioning.

(D) Appendix D - Criteria relating to use of financial tests and self-guarantee for providing reasonable assurance of funds for decommissioning by commercial companies that have no outstanding rated bonds.

(E) Appendix E - Criteria relating to use of financial tests and self-guarantee for providing reasonable assurance of funds for decommissioning by nonprofit colleges, universities, and hospitals.

## **PART 31. BYPRODUCT MATERIAL: GENERAL LICENSES**

### **252:410-10-31. 10 CFR 31 incorporations by reference**

The following provisions are hereby incorporated by reference from 10 CFR 31, General Domestic Licenses for Byproduct Material:

(1) **General provisions.**

(A) 31.1 - Purpose and scope

(B) 31.2 - Terms and conditions

(2) **General licenses.**

~~(A) 31.3(a) and (d) - Certain devices and equipment~~ **[RESERVED]**

(B) 31.5 - Certain detecting, measuring, gauging, or controlling devices and certain devices for producing light or an ionized atmosphere

(C) 31.6 - General license to install devices generally licensed in 31.5

(D) 31.7 - Luminous safety devices for use in aircraft

(E) 31.8 - Americium-241 and radium-226 in the form of calibration or reference sources

(F) 31.9 - General license to own byproduct material.

(G) 31.10 - General license for strontium 90 in ice detection devices

(H) 31.11 - General license for use of byproduct material for certain *in vitro* clinical or laboratory testing.

(I) 31.12 - General license for certain items and self-luminous products containing radium-226

(3) **Recordkeeping.** 31.21 - Maintenance of records.

## **PART 32. BYPRODUCT MATERIAL: SPECIFIC LICENSES FOR MANUFACTURING AND TRANSFERRING CERTAIN ITEMS**

### **252:410-10-32. 10 CFR 32 incorporations by reference**

The following provisions are hereby incorporated by reference from 10 CFR 32, Specific Domestic Licenses to Manufacture or Transfer Certain Items Containing Byproduct Material:

(1) **General provisions.**

(A) 32.1(a), (b) and (c)(2) - Purpose and scope, excluding issuance of certificates of registration

(B) 32.2 - Definitions

(C) 32.3 - Maintenance of records

(2) **Subpart A - Exempt concentrations and items.**

(A) 32.13 - Same: Prohibition of introduction

(B) 32.24 - Same: Table of organ doses

(3) **Subpart B - Generally licensed items.**

(A) Byproduct material contained in devices for use under 31.5:

(i) **32.51 - Requirements for license to manufacture or initially transfer**

(ii) 32.51a - Conditions of licenses

- (iii) 32.52 - Material transfer reports and records
- (B) Luminous safety devices for use in aircraft:
  - (i) 32.53 - Requirements for license to manufacture, assemble, repair or initially transfer
  - (ii) 32.54 - Labeling of devices
  - (iii) 32.55 - Quality assurance; prohibition of transfer
  - (iv) 32.56 - Material transfer reports
- (C) Calibration or reference sources containing americium 241:
  - (i) 32.57 - Calibration or reference sources containing americium-241 or radium-226: Requirements for license to manufacture or initially transfer
  - (ii) 32.58 - Same: Labeling of devices
  - (iii) 32.59 - Same: Leak testing of each source
- (D) Ice detection devices containing strontium-90:
  - (i) 32.61 - Requirements for license to manufacture or initially transfer
  - (ii) 32.62 - Quality assurance; prohibition of transfer
- (E) 32.71 - Manufacture and distribution of byproduct material for certain *in vitro* clinical or laboratory testing under general license
- (F) 32.72 - Manufacture, preparation or transfer for commercial distribution of radioactive drugs containing byproduct material for medical use under part 35
- (G) 32.74 - Manufacture and distribution of sources or devices containing byproduct material for medical use
- ~~(4) Subpart B Schedules.~~
  - ~~(A) 32.101 - Schedule B, prototype tests for luminous safety devices for use in aircraft~~
  - ~~(B) 32.102 - Schedule C, prototype tests for calibration or reference sources containing americium-241 or radium-226~~
  - ~~(C) 32.103 - Schedule D, prototype tests for ice detection devices containing strontium-90~~
- ~~(5) Subpart C - Quality control sampling procedures. 32.110 - Acceptance sampling procedures under certain specific licenses.~~
- ~~(6)~~**(4) Subpart D - Specifically licensed items.** 32.201 - Serialization of nationally tracked sources

## PART 34. INDUSTRIAL RADIOGRAPHIC OPERATIONS

### 252:410-10-34. 10 CFR 34 incorporations by reference

The following provisions are hereby incorporated by reference from 10 CFR Part 34, Licenses for Radiography and Radiation Safety Requirements for Radiographic Operations:

- (1) **Subpart A; General provisions.**
  - (A) 34.1 - Purpose and scope
  - (B) 34.3 - Definitions
- (2) **Subpart B; Specific licensing provisions.**
  - (A) 34.11 - Application for a specific license
  - (B) 34.13 - Specific license for industrial radiography
- (3) **Subpart C; Equipment.**
  - (A) 34.20 - Performance requirements for industrial radiography equipment
  - (B) 34.21 - Limits on external radiation levels from storage containers and source changers
  - (C) 34.23 - Locking of radiographic exposure devices, storage containers and source changers
  - (D) 34.25 - Radiation survey instruments
  - (E) 34.27 - Leak testing and replacement of sealed sources
  - (F) 34.29 - Quarterly inventory

- (G) 34.31 - Inspection and maintenance of radiographic exposure devices, transport and storage containers, associated equipment, source changers and survey instruments
- (H) 34.33 - Permanent radiographic installations
- (I) 34.35 - Labeling, storage and transportation
- (4) **Subpart D; Radiation safety requirements.**
  - (A) 34.41 - Conducting industrial radiographic operations
  - (B) 34.42 - Radiation safety officer for industrial radiography
  - (C) 34.43 - Training
  - (D) 34.45 - Operating and emergency procedures
  - (E) 34.46 - Supervision of radiographers' assistants
  - (F) 34.47 - Personnel monitoring
  - (G) 34.49 - Radiation surveys
  - (H) 34.51 - Surveillance
  - (I) 34.53 - Posting
- (5) **Subpart E; Recordkeeping requirements.**
  - (A) 34.61 - Records of the specific license for industrial radiography
  - (B) 34.63 - Records of the receipt and transfer of sealed sources
  - (C) 34.65 - Records of radiation survey instruments
  - (D) 34.67 - Records of leak testing of sealed sources and devices containing depleted uranium
  - (E) 34.69 - Records of quarterly inventory
  - (F) 34.71 - Utilization logs
  - (G) 34.73 - Records of inspection and maintenance of radiographic exposure devices, transport and storage containers, associated equipment, source changers and survey instruments
  - (H) 34.75 - Records of alarm system and entrance control checks at permanent radiographic installations
  - (I) 34.79 - Records of training and certification
  - (J) 34.81 - Copies of operating and emergency procedures
  - (K) 34.83 - Records of personnel monitoring procedures
  - (L) 34.85 - Records of radiation surveys
  - (M) 34.87 - Form of records
  - (N) 34.89 - Location of documents and records
- (6) **Subpart F; Notifications** - 34.101
- (7) **Appendix** - Appendix A to 10 CFR 34 - Radiographer Certification.

## **PART 36. IRRADIATOR LICENSES AND RADIATION SAFETY REQUIREMENTS**

### **252:410-10-36. 10 CFR 36 incorporations by reference**

The following provisions are hereby incorporated by reference from 10 CFR 36, Licenses and Radiation Safety Requirements for Irradiators:

- (1) **Subpart A; General provisions.**
  - (A) 36.1 - Purpose and scope
  - (B) 36.2 - Definitions
- (2) **Subpart B; Specific licensing requirements.**
  - (A) 36.11 - Application for a specific license, except fees and fee exemptions which are set forth in Part 101 of this Subchapter
  - (B) 36.13 - Specific licenses for irradiators
  - (C) 36.15 - Start of construction
  - (D) 36.17 - Applications for exemptions
  - (E) 36.19 - Request for written statements
- (3) **Subpart C; Design and performance requirements.**

- (A) 36.21 - Performance criteria for sealed sources
- (B) 36.23 - Access control
- (C) 36.25 - Shielding
- (D) 36.27 - Fire protection
- (E) 36.29 - Radiation monitors
- (F) 36.31 - Control of source movement
- (G) 36.33 - Irradiator pools
- (H) 36.35 - Source rack protection
- (I) 36.37 - Power failures
- (J) 36.39 - Design requirements
- (K) 36.41 - Construction monitoring and acceptance testing
- (4) **Subpart D; Operation of irradiators.**
  - (A) 36.51 - Training
  - (B) 36.53 - Operating and emergency procedures
  - (C) 36.55 - Personnel monitoring
  - (D) 36.57 - Radiation surveys
  - (E) 36.59 - Detection of leaking sources
  - (F) 36.61 - Inspection and maintenance
  - (G) 36.63 - Pool water purity
  - (H) 36.65 - Attendance during operation
  - (I) 36.67 - Entering and leaving the radiation room
  - (J) 36.69 - Irradiation of explosive or flammable materials
- (5) **Subpart E; Records.**
  - (A) 36.81 - Records and retention periods
  - (B) 36.83 - Reports

## **PART 39. WELL LOGGING**

### **252:410-10-39. 10 CFR 39 incorporations by reference**

(a) **Incorporations by reference.** The following provisions are hereby incorporated by reference from 10 CFR 39, Licenses and Radiation Safety Requirements for Well Logging:

- (1) **Subpart A; General provisions.**
  - (A) 39.1 - Purpose and scope
  - (B) 39.2 - Definitions
- (2) **Subpart B; Specific licensing requirements.**
  - (A) 39.11 - Application for a specific license
  - (B) 39.13 - Specific licenses for well logging
  - (C) 39.15 - Agreement with well owner or operator
  - (D) 39.17 - Request for written statements
- (3) **Subpart C; Equipment.**
  - (A) 39.31 - Labels, security and transportation precautions
  - (B) 39.33 - Radiation detection instruments
  - (C) 39.35 - Leak testing of sealed sources
  - (D) 39.37 - Physical inventory
  - (E) 39.39 - Records of material use
  - (F) 39.41 - Design and performance criteria for sources
  - (G) 39.43 - Inspection, maintenance and opening of source or source holder
  - (H) 39.45 - Subsurface tracer studies
  - (I) 39.47 - Radioactive markers
  - (J) 39.49 - Uranium sinker bars
  - (K) 39.51 - Use of a sealed source in a well without surface casing
  - (L) 39.53 - Energy compensation source

- (M) 39.55 - Tritium neutron generator target source
- (4) **Subpart D; Radiation safety requirements.**
  - (A) 39.61 - Training
  - (B) 39.63 - Operating and emergency procedures
  - (C) 39.65 - Personnel monitoring
  - (D) 39.67 - Radiation surveys
  - (E) 39.69 - Radioactive contamination control
- (5) **Subpart E; Security, Records, Notifications.**
  - (A) 39.71 - Security
  - (B) 39.73 - Documents and records required at field stations
  - (C) 39.75 - Documents and records required at temporary job-sites
  - (D) 39.77 - Notification of incidents and lost sources; abandonment procedures for irretrievable sources

(b) **Exceptions.** The provisions to apply for exemption from the requirements of this Part contained in § 39.91 are not incorporated by reference. Applications for exemption should be addressed to DEQ as authorized in 252:410-1-3.

#### **PART 40. DOMESTIC LICENSING OF SOURCE MATERIAL**

##### **252:410-10-40. 10 CFR 40 incorporations by reference**

The following provisions are hereby incorporated by reference from 10 CFR 40, Domestic Licensing of Source Material.

- (1) **General Provisions.**
  - (A) 40.1 - Purpose
  - (B) 40.2 - Scope
  - (C) 40.4 - Definitions
  - (D) 40.7 - Employee Protection
  - (E) 40.9 - Completeness and accuracy of information
  - (F) 40.10 - Deliberate misconduct
- (2) **Exemptions.** 40.13(c)(6) - Unimportant quantities of source material
- (3) **General Licenses.**
  - 40.25 - General license for use of certain industrial products or devices.
- (4) **License Applications.**
  - (A) 40.31 (a) through (e) - Application for specific licenses
  - (B) 40.32 (a) through (c) - General requirements for issuance of licenses.
  - (C) 40.36 - Financial assurance and recordkeeping for decommissioning
- (5) **Licenses.**
  - (A) 40.41 (a) through (c) and (e) - Terms and conditions of licenses
  - (B) 40.43 - Renewal of licenses
  - (C) 40.44 - Amendment of licenses at request of licensee
  - (D) 40.45 - Commission action on applications to renew or amend
- (6) **Transfer of Source Material.**
  - 40.51 (a), (b)(1) through (5), (b)(7), (c) and (d) - Transfer of source or byproduct material
- (7) **Records, Reports and Inspections.**
  - (A) 40.60 (a), (b), (c)(1) and (2) - Reporting requirements
  - (B) 40.61 (a) through (f) - Records
  - (C) 40.62 - Inspections
  - (D) 40.63 - Tests
- (8) **Modification and Revocation of Licenses.** 40.71 - Modification and revocation of licenses

#### **PART 70. SPECIAL NUCLEAR MATERIAL: LICENSING**



## **252:410-10-70. 10 CFR 70 incorporations by reference**

The following provisions are hereby incorporated by reference from 10 CFR 70, Domestic Licensing of Special Nuclear Material:

**(1) Subpart A; General provisions.**

- (A) 70.1 - Purpose, except (c),(d) and (e)
- (B) 70.2 - Scope
- (C) 70.3 - License requirements
- (D) 70.4 - Definitions
- (E) 70.7 - Employee protection
- (F) 70.9 - Completeness and accuracy of information
- (G) 70.10 - Deliberate misconduct

**(2) Subpart B; Exemptions.**

- (A) 70.11 - Persons using special nuclear material under certain Department of Energy and Nuclear Regulatory Commission contracts
- (B) 70.12 - Carriers
- (C) 70.17 - Specific exemptions

**(3) Subpart C; General licenses.**

- (A) 70.18 - Types of licenses
- (B) 70.19 - General license for calibration or reference sources
- (C) 70.20 - General license to own special nuclear material

**(4) Subpart D; License applications.**

- (A) 70.22 (a), (d) and (e) - Contents of applications
- (B) 70.23 (a)(1) through (5) - Requirements for the approval of applications
- (C) 70.25 - Financial assurance and recordkeeping for decommissioning.

**(5) Subpart E; Licenses.**

- (A) 70.31 (a) and (d) - Issuance of licenses
- (B) 70.32 (a)(2), (a)(3),(a)(8), (a)(9), (b)(2) and (b)(5) - Conditions of licenses
- (C) 70.33 - Renewal of licenses
- (D) 70.34 - Amendment of licenses
- (E) 70.35 - Commission action on applications to renew or amend
- (F) 70.36 - Inalienability of licenses
- (G) 70.38 - Expiration and termination of licenses and decommissioning of sites and separate buildings or outdoor areas.
- (H) 70.39 - Specific licenses for the manufacture or initial transfer of calibration or reference sources.

**(6) Subpart F; Acquisition, use and transfer of special nuclear material; Creditor's rights.**

- (A) 70.41 - Authorized use of special nuclear material
- (B) 70.42 - Transfer of special nuclear material, except (b)(6)

**(7) Subpart G; Special nuclear material control, records, reports and inspections.**

- (A) 70.50 (a), (b) and (c)(1) and (2) - Reporting requirements.
- (B) 70.51 (a) and (b) - Material balance, inventory, and records requirements
- (C) 70.55 (a) and (b) - Inspections
- (D) 70.56 (a) and (b) - Tests

**(8) Subpart I; Modification and revocation of licenses. 70.81 - Modification and revocation of licenses**

## **PART 71. PACKAGING AND TRANSPORTING RADIOACTIVE MATERIAL**

### **252:410-10-71. 10 CFR 71 incorporations by reference**

The following provisions are hereby incorporated by reference from 10 CFR 71, Packaging and Transportation of Radioactive Material:



- (1) **Subpart A; General provisions.**
  - (A) 71.0 - Purpose and scope
  - (B) 71.1(b) - Communications and records
  - (C) 71.3 - Requirement for license
  - (D) **71.4 - Definitions**
  - (E) 71.5 - Transportation of licensed material
  - (F) 71.7 - Completeness and accuracy of information
  - (G) 71.8 - Deliberate misconduct
  - (H) 71.9 - Employee protection
- (2) **Subpart B; Exemptions.**
  - (A) 71.12 - Specific exemptions
  - (B) 71.13 - Exemptions of physicians
  - (C) 71.15 - Exemption from classification as fissile material
- (3) **Subpart C; General licenses.**
  - (A) 71.17 - General license: NRC-approved package
  - (B) 71.20 - General license: DOT specification container
  - (C) 71.21 - General license: Use of foreign approved package
  - (D) 71.22 - General license: Fissile material
  - (E) 71.23 - General license: Plutonium-beryllium special form material
- (4) **Subpart E; Package Approval Standards.** 71.47 - External radiation standards for all packages
- (5) **Subpart G; Operating controls and procedures.**
  - (A) 71.81 - Applicability of operating controls and procedures
  - (B) 71.83 - Assumptions as to unknown properties
  - (C) 71.85 - Preliminary determinations
  - (D) 71.87 - Routine determinations
  - (E) 71.88 - Air transport of plutonium
  - (F) 71.89 - Opening instructions
  - (G) 71.91 - Records
  - (H) 71.93 - Inspection and tests
  - (I) 71.95 - Reports
  - (J) **71.97 - Advance notice of shipment of irradiated reactor fuel and nuclear waste**
- (6) **Subpart H; Quality assurance.**
  - (A) 71.101(a), (c)(1), (f), and (g) - Quality assurance requirements
  - (B) 71.103 - Quality assurance organization
  - (C) 71.105 - Quality assurance program
  - (D) 71.127 - Handling, storage and shipping control
  - (E) 71.129 - Inspection, test and operating status
  - (F) 71.131 - Nonconforming materials, parts or components
  - (G) 71.133 - Corrective action
  - (H) 71.135 - Quality assurance records
  - (I) 71.137 - Audits
- (7) **Appendix A to Part 71--Determination of A<sub>1</sub> and A<sub>2</sub>.**

## **SUBCHAPTER 20. STANDARDS FOR PROTECTION AGAINST RADIATION**

### **Section**

252:410-20-1. Standards for protection against radiation

### **252:410-20-1. Standards for protection against radiation**

(a) **Scope and applicability.** This Subchapter applies to all persons possessing source(s) of ionizing radiation subject to DEQ jurisdiction. Incorporated exposure limits do not apply to

doses an individual has received due to background radiation or any medical administration or from his voluntary participation in medical research programs. Nothing in these rules shall be interpreted as limiting the intentional exposure of patients to radiation for the purpose of medical diagnosis or therapy.

(b) **Terms.** For purposes of this Subchapter:

(1) **"Licensed material"** means any radioactive material under DEQ jurisdiction.

(2) **"Licensee"** means the holder of any DEQ radiation management authorization.

(c) **10 CFR 20 incorporations.** The following provisions of 10 CFR 20, Standards for Protection Against Radiation, are hereby incorporated by reference.

(1) **Subpart A, General Provisions.**

(A) 20.1001(b) - Purpose

(B) 20.1002 - Scope

(C) 20.1003 - Definitions

(D) 20.1004 - Units of radiation dose

(E) 20.1005 - Units of radioactivity

(F) 20.1008 (b) through (e) - Implementation

(2) **Subpart B, Radiation Protection Programs.** - 20.1101

(3) **Subpart C, Occupational Dose Limits.**

(A) 20.1201 - Occupational dose limits for adults

(B) 20.1202 - Compliance with requirements for summation of external and internal doses

(C) 20.1203 - Determination of external dose from airborne radioactive material

(D) 20.1204 - Determination of internal exposure

(E) 20.1206 - Planned special exposures

(F) 20.1207 - Occupational dose limits for minors

(G) 20.1208 - Dose to embryo/fetus

(4) **Subpart D, Radiation Dose Limits for Individual Members of the Public.**

(A) 20.1301 (a), (b), (c) and (e) - Dose limits for individual members of the public

(B) 20.1302 - Compliance with dose limits for individual members of the public

(5) **Subpart E, Radiological Criteria for License Termination.**

(A) 20.1401 - General provisions and scope

(B) 20.1402 - Radiological criteria for unrestricted use

(C) 20.1403 - Criteria for license termination under restricted conditions

(D) 20.1404 - Alternate criteria for license termination

(E) 20.1405 - Public notification and public participation

(F) 20.1406 - Minimization of contamination

(6) **Subpart F, Surveys and Monitoring.**

(A) 20.1501 - General

(B) 20.1502 - Conditions requiring individual monitoring of external and internal occupational dose

(7) **Subpart G, Control of Exposure From External Sources in Restricted Areas.**

(A) 20.1601 - Control of access to high radiation areas

(B) 20.1602 - Control of access to very high radiation areas

(8) **Subpart H, Respiratory Protection and Controls to Restrict Internal Exposure in Restricted Areas.**

(A) 20.1701 - Use of process or other engineering controls

(B) 20.1702 - Use of other controls

(C) 20.1703 - Use of individual respiratory protection equipment

(D) 20.1704 - Further restrictions on the use of respiratory protection equipment

(E) 20.1705 - Application for use of higher assigned protection factors

(9) **Subpart I, Storage and Control of Licensed Material.**

(A) 20.1801 - Security of stored material

- (B) 20.1802 - Control of material not in storage
- (10) **Subpart J, Precautionary Procedures.**
  - (A) 20.1901 - Caution signs
  - (B) 20.1902 - Posting requirements
  - (C) 20.1903 - Exceptions to posting requirements
  - (D) 20.1904 - Labeling containers
  - (E) 20.1905 (a) through (f) - Exemptions to labeling requirements
  - (F) 20.1906 - Procedures for receiving and opening packages
- (11) **Subpart K, Waste Disposal.**
  - (A) 20.2001 - General requirements
  - (B) 20.2002 - Method for obtaining approval of proposed disposal procedures
  - (C) 20.2003 - Disposal by release into sanitary sewerage
  - (D) 20.2004(a)(2) and (3) - Treatment or disposal by incineration
  - (E) 20.2005 - Disposal of specific wastes
  - (F) 20.2006 - Transfer for disposal and manifests
  - (G) 20.2007 - Compliance with environmental and health protection regulations
  - (H) 20.2008 - Disposal of certain byproduct material
- (12) **Subpart L, Records.**
  - (A) 20.2101 - General provisions
  - (B) 20.2102 - Records of radiation protection programs
  - (C) 20.2103 - Records of surveys
  - (D) 20.2104 - Determination of prior occupational dose
  - (E) 20.2105 - Records of planned special exposures
  - (F) 20.2106 - Records of individual monitoring results
  - (G) 20.2107 - Records of dose to individual members of the public
  - (H) 20.2108 - Records of waste disposal
  - (I) 20.2110 - Form of records
- (13) **Subpart M, Reports.**
  - (A) 20.2201 - Reports of theft or loss of licensed material
  - (B) 20.2202 - Notification of incidents
  - (C) 20.2203 (a), (b) and (d) - Reports of exposures, radiation levels, and concentrations of radioactive material exceeding the limits
  - (D) 20.2204 - Reports of planned special exposures
  - (E) 20.2205 - Reports to individuals of exceeding dose limits
  - (F) 20.2207 - Reports of transactions involving nationally tracked sources
- (14) **Subpart N, Exemptions and Additional Requirements.**
  - (A) 20.2301 - Applications for exemptions
  - (B) 20.2302 - Additional requirements
- (15) **Appendices to Part 20.**
  - (A) Appendix A. Protection Factors for Respirators
  - (B) Appendix B.
    - (i) Table 1. Annual limits on intake (ALIs) and derived air concentration (DACs) of radionuclides for occupational exposure
    - (ii) Table 2. Effluent concentrations
    - (iii) Table 3. Concentrations for release to sewerage
    - (iv) List of Elements
  - (C) Appendix C. Quantities of Licensed Material Requiring Labeling
  - (D) Appendix E. Nationally Tracked Source Thresholds
  - (E) Appendix G. Requirements for transfers of low-level radioactive waste intended for disposal at licensed land disposal facilities and manifests.