

## INDEX

### CHAPTER 336 RADIOACTIVE SUBSTANCE RULES

#### SUBCHAPTER A: GENERAL PROVISIONS

- §336.1. Scope and General Provisions.
- §336.2. Definitions.
- §336.3. Units of Radiation Exposure and Dose.
- §336.4. Units of Radioactivity.
- §336.5. Exemptions.
- §336.6. Additional Requirements.
- §336.9. Deliberate Misconduct.

#### SUBCHAPTER B: RADIOACTIVE SUBSTANCE FEES

- §336.101. Purpose and Scope.
- §336.102. Definitions.
- §336.103. Schedule of Fees for Subchapter H Licenses.
- §336.105. Schedule of Fees for Other Licenses.
- §336.106. Annual Fees for Emergency Response Activities, including Training.
- §336.107. Annual License Fee Due Date and Period Covered.
- §336.109. Fees after Request for Termination of License.
- §336.110. Nonrefundable Fees.
- §336.111. Method of Payment of Fees.
- §336.112. Failure to Pay Prescribed Application Fees.
- §336.113. Failure to Pay Prescribed Annual Fees.
- §336.114. Fee for Fixed Nuclear Facilities.

#### SUBCHAPTER C: GENERAL LICENSING REQUIREMENTS

- §336.201. Purpose and Scope.
- §336.203. License Required.
- §336.205. Application Requirements.
- §336.207. General Requirements for Issuance of a License.
- §336.208. Radiation Safety Officer.
- §336.209. Issuance of License.
- §336.210. Emergency Plan for Responding to a Release.
- §336.211. General Requirements for Radioactive Material Disposal.
- §336.213. Method of Obtaining Approval of Proposed Activities.
- §336.215. Disposal by Release into Sanitary Sewerage.
- §336.217. Disposal by Burial in Soil.

- §336.219. Disposal by Release into Septic Tanks.
- §336.221. Treatment or Disposal by Incineration.
- §336.223. Disposal in Underground Injection Control Class I Injection Wells.
- §336.225. Disposal of Specific Wastes.
- §336.229. Prohibition of Dilution.

#### SUBCHAPTER D: STANDARDS FOR PROTECTION AGAINST RADIATION

- §336.301. Purpose and Scope.
- §336.302. Definitions.
- §336.303. Implementation.
- §336.304. Radiation Protection Programs.
- §336.305. Occupational Dose Limits for Adults.
- §336.306. Compliance with Requirements for Summation of External and Internal Doses.
- §336.307. Determination of External Dose from Airborne Radioactive Material.
- §336.308. Determination of Internal Exposure.
- §336.309. Determination of Prior Occupational Dose.
- §336.310. Planned Special Exposures.
- §336.311. Occupational Dose Limits for Minors.
- §336.312. Dose Equivalent to an Embryo/Fetus.
- §336.313. Dose Limits for Individual Members of the Public.
- §336.314. Compliance with Dose Limits for Individual Members of the Public.
- §336.315. General Requirements for Surveys and Monitoring.
- §336.316. Conditions Requiring Individual Monitoring of External and Internal Occupational Dose.
- §336.317. Control of Access to High Radiation Areas.
- §336.318. Control of Access to Very High Radiation Areas.
- §336.319. Use of Process or Other Engineering Controls.
- §336.320. Use of Other Controls.
- §336.321. Use of Individual Respiratory Protection Equipment.
- §336.322. Further Restrictions on the Use of Respiratory Protection Equipment.
- §336.323. Security of Stored Radioactive Material.
- §336.324. Control of Radioactive Material Not in Storage.
- §336.325. Caution Signs.
- §336.326. Posting Requirements.
- §336.327. Exceptions to Posting Requirements.
- §336.328. Labeling Containers.
- §336.329. Exemptions to Labeling Requirements.
- §336.330. Procedures for Receiving and Opening Packages.
- §336.331. Transfer of Radioactive Material.
- §336.332. Preparation of Radioactive Material for Transport.
- §336.335. Reporting Requirements for Incidents.
- §336.336. Tests.

- §336.338. General Recordkeeping Requirements for Disposal.
- §336.339. Forms of Records.
- §336.341. General Recordkeeping Requirements for Licensees.
- §336.342. Records of Radiation Protection Programs.
- §336.343. Records of Surveys.
- §336.344. Records of Prior Occupational Dose.
- §336.345. Records of Planned Special Exposures.
- §336.346. Records of Individual Monitoring Results.
- §336.347. Records of Dose to Individual Members of the Public.
- §336.350. Reports of Stolen, Lost, or Missing Licensed Radioactive Material.
- §336.351. Reports of Transactions Involving Nationally Tracked Sources.
- §336.352. Reports of Exposures, Radiation Levels, and Concentrations of Radioactive Material Exceeding the Limits.
- §336.353. Reports of Planned Special Exposures.
- §336.354. Reports to Individuals.
- §336.355. Reports of Individual Monitoring.
- §336.356. Soil and Vegetation Contamination Limits.
- §336.357. Increased Controls for Licensees that Possess Sources Containing Radioactive Material Quantities of Concern.
- §336.358. Appendix A. Assigned Protection Factors for Respirators. Figure 1: 30 TAC §336.358, Appendix A.
- §336.359. Appendix B. Annual Limits on Intake (ALI) and Derived Air Concentrations (DAC) of Radionuclides for Occupational Exposure; Effluent Concentrations for Release to Sanitary Sewerage.
- §336.360. Appendix C. Quantities of Licensed Material Requiring Labeling. Figure 1: 30 TAC §336.360, Appendix C.
- §336.362. Appendix E. Classification and Characteristics of Low-Level Radioactive Waste.
- §336.363. Appendix F. Requirements for Receipt of Low-Level Radioactive Waste for Disposal at Licensed Land Disposal Facilities and Uniform Manifests.
- §336.364. Appendix G. Acceptable Surface Contamination Levels. Figure 1: 30 TAC §336.364, Appendix G.
- §336.365. Appendix H. Radionuclide Concentration and Annual Activity Limits for Disposal in a Type I Municipal Solid Waste Facility or a Hazardous Waste Facility. Figure 1: 30 TAC §336.365, Appendix H.
- §336.367. Appendix J. Cumulative Occupational Exposure History. Figure 1: 30 TAC §336.367, Appendix J.
- §336.368. Appendix K. Occupational Exposure Record for a Monitoring Period. Figure 1: 30 TAC §336.368, Appendix K.

#### SUBCHAPTER E: NOTICES, INSTRUCTIONS, AND REPORTS TO WORKERS AND INSPECTIONS

- §336.401. Purpose and Scope.

- §336.402. Definitions.
- §336.403. Posting of Notices to Workers.
- §336.404. Instructions to Workers.
- §336.405. Notifications and Reports to Individuals.
- §336.406. Presence of Representatives of Licensees and Workers During Inspections.
- §336.407. Consultation with Workers During Inspections.
- §336.408. Requests by Workers for Inspections.
- §336.409. Inspections Not Warranted.
- §336.410. Appendix A. Notice to Employees. Figure 1: 30 TAC §336.410, Appendix A.

#### SUBCHAPTER F: LICENSING OF ALTERNATIVE METHODS OF DISPOSAL OF RADIOACTIVE MATERIAL

- §336.501. Scope and General Provisions.
- §336.513. Technical Requirements for Active Disposal Sites.

#### SUBCHAPTER G: DECOMMISSIONING STANDARDS

- §336.601. Applicability.
- §336.602. Definitions.
- §336.603. Radiological Criteria for Unrestricted Use.
- §336.605. Surface Contamination Limits for Facilities, Equipment, and Materials.
- §336.607. Criteria for License Termination under Restricted Conditions.
- §336.609. Alternate Criteria for License Termination.
- §336.611. Public Notification and Public Participation.
- §336.613. Additional Requirements.
- §336.615. Inactive Disposal Sites.
- §336.617. Technical Requirements for Inactive Disposal Sites.
- §336.619. Financial Assurance for Decommissioning.
- §336.621. Recordkeeping for Decommissioning.
- §336.623. Financial Assurance for Control and Maintenance.
- §336.625. Expiration and Termination of Licenses.
- §336.627. Appendix A. Radionuclide Quantities for Use in Determining Financial Assurance for Decommissioning.

#### SUBCHAPTER H: LICENSING REQUIREMENTS FOR NEAR-SURFACE LAND DISPOSAL OF LOW-LEVEL RADIOACTIVE WASTE

- §336.701. Scope and General Provisions.
- §336.702. Definitions.
- §336.703. Concepts.
- §336.704. Applications for License of Compact Waste Disposal Facility.

- §336.705. Content of Application.
- §336.706. General Information.
- §336.707. Specific Technical Information.
- §336.708. Environmental Information.
- §336.709. Technical and Environmental Analyses.
- §336.710. Institutional Information.
- §336.711. Financial Information.
- §336.715. Standards for Issuance of a License, License Amendment, or License Renewal.
- §336.716. Terms and Conditions of License.
- §336.717. Conveyance of Waste.
- §336.718. Application for Renewal or Closure.
- §336.719. Content of Application For Closure.
- §336.720. Post-closure Observation and Maintenance.
- §336.721. Transfer of License to Custodial Agency.
- §336.722. Termination of License.
- §336.723. Performance Objectives.
- §336.724. Protection of the General Population from Releases of Radioactivity.
- §336.725. Protection of Individuals from Inadvertent Intrusion.
- §336.726. Protection of Individuals during Operations.
- §336.727. Stability of the Disposal Site after Closure.
- §336.728. Disposal Site Suitability Requirements for Near-Surface Land Disposal.
- §336.729. Disposal Site Design For Near-Surface Land Disposal.
- §336.730. Near-Surface Land Disposal Facility Operation and Disposal Site Closure.
- §336.731. Environmental Monitoring.
- §336.732. Alternative Requirements For Design and Operations.
- §336.733. Waste Classification, Characteristics, and Labeling.
- §336.734. Institutional Requirements.
- §336.735. Applicant Qualifications and Assurances.
- §336.736. Liability Coverage and Funding for Disposal Site Closure and Stabilization.
- §336.737. Funding for Institutional Control.
- §336.738. Funding for Corrective Action.
- §336.740. Maintenance of Records and Reports.
- §336.741. Tests At Land Disposal Facilities.
- §336.743. Resident Inspectors.

#### SUBCHAPTER I: COMPACT WASTE DISPOSAL FACILITY APPLICATION SELECTION PROCESS

- §336.801. Applicability.
- §336.803. Receipt of License Applications.
- §336.805. Application Requirements.
- §336.807. Administrative Review.
- §336.808. Ownership of Land and Buildings.

- §336.809. Notice of Declaration of Administrative Completeness.
- §336.811. Public Meeting.
- §336.813. Evaluation of Applications.
- §336.815. Tier 1 Criteria.
- §336.817. Tier 2 Criteria.
- §336.819. Tier 3 Criteria.
- §336.821. Tier 4 Criteria.
- §336.823. Technical Review.
- §336.825. Delegation.

#### SUBCHAPTER J: FEDERAL FACILITY WASTE DISPOSAL FACILITY

- §336.901. Applicability.
- §336.903. Receipt of Waste.
- §336.905. Volume Limitation.
- §336.907. Prohibition of Commingling of Waste.
- §336.909. Additional Responsibilities.

#### SUBCHAPTER K: COMMERCIAL DISPOSAL OF NATURALLY OCCURRING RADIOACTIVE MATERIAL WASTE FROM PUBLIC WATER SYSTEMS

- §336.1001. Scope and General Provisions.
- §336.1003. Definitions.
- §336.1005. Disposal Method.
- §336.1007. License Application for Commercial Disposal of Naturally Occurring Radioactive Material Waste.
- §336.1009. Standards for Issuance of a License, License Amendment, or License Renewal.
- §336.1011. Performance Objectives.
- §336.1013. Terms and Conditions of License.
- §336.1015. Maintenance of Records and Reports.
- §336.1017. Tests at Naturally Occurring Radioactive Material Waste Disposal Facilities.
- §336.1019. Liability Coverage and Funding for Naturally Occurring Radioactive Material Waste Disposal Facility Closure and Stabilization.

#### SUBCHAPTER L: LICENSING OF SOURCE MATERIAL RECOVERY AND BY-PRODUCT MATERIAL DISPOSAL FACILITIES

- §336.1101. Purpose.
- §336.1103. Scope.
- §336.1105. Definitions.
- §336.1107. Filing Application for Specific Licenses.

- §336.1109. General Requirements for the Issuance of Specific Licenses.
- §336.1111. Special Requirements for a License Application for Source Material Recovery and By-product Material Disposal Facilities.
- §336.1113. Specific Terms and Conditions of Licenses.
- §336.1115. Expiration and Termination of Licenses; Decommissioning of Sites, Separate Buildings or Outdoor Areas.
- §336.1117. Renewal of Licenses.
- §336.1119. Amendment of Licenses at Request of Licensee.
- §336.1121. Agency Action on Applications to Renew or Amend.
- §336.1123. Transfer of Material.
- §336.1125. Financial Assurance Requirements.
- §336.1127. Long-term Care and Maintenance Requirements.
- §336.1129. Technical Requirements.
- §336.1131. Land Ownership of By-product Material Disposal Sites.
- §336.1133. Maximum Values for Use in Groundwater Protection.
- §336.1135. Construction Activities.

#### SUBCHAPTER M: LICENSING OF RADIOACTIVE SUBSTANCES PROCESSING AND STORAGE FACILITIES

- §336.1201. Purpose and Scope.
- §336.1203. Definitions.
- §336.1205. Activities Requiring License.
- §336.1207. Radioactive Substances Processing and Storage Facility Classification.
- §336.1209. Exemptions.
- §336.1211. Filing Application for a Specific License.
- §336.1213. Additional Environmental Requirements.
- §336.1215. Issuance of Licenses.
- §336.1217. Commencement of Major Construction.
- §336.1219. Commencement of Operations.
- §336.1221. Specific Terms and Conditions of Licenses.
- §336.1223. Renewal of Licenses.
- §336.1225. Amendment of License at Request of Licensee.
- §336.1227. Radioactive Substances Processing and Packaging Requirements.
- §336.1229. Environmental Assessment.
- §336.1231. Radioactive Substances Processing and Storage Categories of Radionuclides.
- §336.1233. Radiation Safety Committee.
- §336.1235. Financial Assurance for Storage and Processing.

#### SUBCHAPTER N: FEES FOR LOW-LEVEL RADIOACTIVE WASTE DISPOSAL

- §336.1301. Purpose and Scope.
- §336.1303. Definitions.

- §336.1305. Commission Powers.
- §336.1307. Factors Considered for Maximum Disposal Rates.
- §336.1309. Initial Determination of Rates and Fees.
- §336.1311. Revisions to Maximum Disposal Rates.
- §336.1313. Extraordinary Volume Adjustment.
- §336.1315. Revenue Statements and Consideration of Payment to Affiliate.
- §336.1317. Contracted Disposal Rates.