ENVIRONMENTAL SCIENCES DIVISION

ENVIRONMENTAL REGULATORY UPDATE TABLE

MARCH/APRIL 1993

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Environmental Regulatory Update

This report contains a bi-monthly update of environmental regulatory activity that is of interest to the Department of Energy. It is provided to DOE operations and contractor staff to assist and support environmental management programs by tracking regulatory developments. Any proposed regulation that raises significant issues for any DOE operation should be reported to the Office of Environmental Guidance (EH-23) as soon as possible so that the Department can make its concerns known to the appropriate regulatory agency. Items of particular interest to EH-23 are indicated by a shading of the RU#.

Any questions or comments about any aspects of the Update Table should be directed to Lois Thompson, Air, Water, and Radiation Protection Division, Office of Environmental Guidance, U.S. Department of Energy (EH-23), 202-586-9581.

ABSTRACT

The Environmental Regulatory Update Table provides information on regulatory initiatives of interest to DOE operations and contractor staff with environmental management responsibilities. The table is updated bi-monthly with information from the Federal Register and other sources, including direct contact with regulatory agencies. Each table entry provides a chronological record of the rulemaking process for that initiative with an abstract and a projection of further action.

U.S. DEPARTMENT OF ENERGY

ASSISTANT SECRETARY FOR ENVIRONMENT, SAFETY AND HEALTH
Office of Environmental Guidance

ENVIRONMENTAL REGULATORY UPDATE

MARCH/APRIL 1993

REGULATORY UPDATE TABLE - MARCH/APRIL 1993 UPDATE

Table of Contents

	Page
Regulatory Highlights	xiii
Regulatory Update Table	1
Resource Conservation and Recovery Act (RCRA) (RU # 840---)*	1
Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) (RU # 180---)	12
Federal Facilities Compliance Act (RU # 185---)	16
Superfund Amendments and Reauthorization Act (SARA) (RU # 190---)	17
Pollution Prevention Act (PPA) (RU # 195---)	19
Safe Drinking Water Act (SDWA) (RU # 880---)	19
Clean Water Act (CWA) (RU # 140---)	21
Oil Pollution Act of 1990 (RU # 145---)	26
Clean Air Act (RU # 120---)	27
Nuclear Waste Policy Act (RU # 700---)	39
Low-Level Radioactive Waste (LLW) Policy Amendments Act (RU # 740---)	41
Atomic Energy Act (RU # 100---)	42
Uranium Mill Tailings Radiation Control Act (RU # 930---)	51
Toxic Substances Control Act (TSCA) (RU # 920---)	52
Hazardous Materials Transportation Act (RU # 400---)	55
Occupational Safety and Health Act (OSHA) (RU # 780---)	61
Endangered Species Act (RU # 200---)	66
Marine Protection Research and Sanctuaries Act (RU # 460---)	67
National Environmental Policy Act (RU # 480---)	67
Native American Graves Protection and Repatriation Act (RU # 080---)	68
Archeological Resources Protection Act (RU # 090---)	68
Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) (RU # 300---)	68
Federal Mine Safety and Health Act (RU # 330---)	70
Historic Sites Act of 1935 (RU # 410---)	71
Biotechnology (RU # 110---)	71
Pacific Northwest Electric Power & Conservation (RU # 810---)	71
Coastal Zone Management Act (RU # 160---)	72
Other (RU # 805---)	72
IRIS Table Update	75
Index to RU Numbers by CFR Citation	93

*RU numbers are identifiers that are assigned to each regulatory initiative for tracking purposes. The first three digits are coded to the statute, and the last three digits are specific to individual initiatives. The update table is first organized by statutes as shown above and then by RU numbers arranged sequentially. An index is provided at the end of the table to relate CFR citations to RU numbers.

Regulatory Highlights - March/April, 1993

1. Radiation Protection of the Public and the Environment - Proposed Rule

DOE issues a proposed rule to promulgate in a new part 834 of 10 CFR its primary standards for the protection of the public and environment against radiation. The requirements govern activities conducted by or for DOE that might result in release of radioactive material, exposure of members of the public to radiation, or contamination of the environment with radionuclides from DOE activities. The proposed standards include those presently found in DOE Order 5400.5, "Radiation Protection of the Public and the Environment," as well as certain elements of DOE Order 5400.1, "General Environmental Protection Program." In proposing the standards as a rule, DOE intends to improve its ability to enforce its nuclear safety and radiation protection requirements.

Proposed 10 CFR 834 consists of requirements divided into four basic areas aimed at protecting the public and environment. First, the proposal requires a system of dose limitations that is consistent with the recommendations in the International Commission on Radiological Protection (ICRP) Publications 26 and 30. [These reports and related guidance recommended a system of dose limitations that has been adopted by essentially all countries with nuclear programs. Further, applicable DOE orders and the regulations of other federal agencies (e.g., EPA and NRC) contain the ICRP recommendations for the system of dose limitations.] Specifically, DOE is proposing to require that radiation exposures to individuals in the general public from all combined radiation sources and exposure pathways from routine DOE activities not exceed an effective dose equivalent of 100 mrem (1 mSv) in a year. The proposed system would also continue the application of the ALARA ("as low as is reasonably achievable") process to activities involving exposures to radioactive material and radiation. All DOE operations, except those under the jurisdiction of the Director of Naval Nuclear Propulsion Programs, would be required to comply with the dose limits and ALARA requirements of the proposal. Second, to reduce the potential for radiological contamination of natural resources (e.g., land, ground and surface water, and ecosystems), the proposal requires the use of the Best Available Technology (BAT) for treating liquid waste discharges containing radioactive material. The ALARA process would apply to these discharges. Third, DOE proposes criteria that property containing residual radioactive material from DOE activities must meet if it is to be released from DOE control. The criteria are consistent with the proposed dose limitation system. Fourth, the proposal requires that all DOE activities be managed in accordance with an Environmental Radiological Protection Program (ERPP) which would be comprised of several elements including an ALARA program, a ground water protection management plan, and an environmental monitoring plan. The rule would require that an ERPP be submitted to DOE for review and approval within 90 days of the effective date of the final rule. The Department will accept comments on the proposed rule until June 22, 1993.

(3-25-93, 58 FR 16268, RU# 100-284.00)

2. Clean Fuel Fleet Credit Programs, Transportation Control Measure Exemptions, and Related Provisions - Final Rule

EPA recently issued a final rule (NPRM: 10-3-91) establishing in 40 CFR part 88 a new Subpart C to implement a requirement of Title II of the Clean Air Act (CAA), as amended. Under Title II EPA is required to establish a Clean Fuel Fleet Program to introduce lower pollution-emitting vehicles into centrally fueled fleets of vehicles in areas with ozone and carbon monoxide (CO) air quality problems. Currently there are 22 areas in 19 states which are included. (Table 2. of the preamble to the rule lists these areas.) The program will be implemented in those areas by affected states through amendments to their state implementation plans. A "covered fleet" is a fleet of ten or more motor vehicles which are owned or operated by a single person, although certain motor vehicles (e.g., law enforcement and other emergency vehicles) are exempted from the program. The fleet program is restricted to those vehicles in a class for which soon to be proposed clean-fuel fleet vehicle (CFFV) exhaust emission standards apply and which are centrally fueled or capable of being centrally fueled. Based on these emission standards, CFFVs will be designated as low-emission vehicles (LEVs), ultra low-emission vehicles (ULEVs), and zero-emission vehicles (ZEVs). Three vehicle classes are covered by the program: light-duty vehicles and trucks (LDVs & LDTs) under 6000 lbs. Gross Vehicle Weight Rating (GVWR), LDTs between 6000 lbs. and 8500 lbs. GVWR, and heavy-duty vehicles (HDVs) over 8500 lbs. GVWR but under 26,000 lbs GVWR.

Key provisions of the clean fuel fleet program in the final rule include a purchase credit program, transportation control measures (TCM) exemptions, and federal facility provisions. Under the program, covered fleet owners must purchase LEVs beginning with the 1998 model year. Owners and operators may, however, meet the purchase requirements by converting existing conventional vehicles to CFFVs which meet the applicable standards. To provide owners/operators with flexibility in meeting the purchase requirements, the rule includes a purchase credit program. This program allows covered fleets to earn credits by purchasing more CFFVs than required in any year, by purchasing vehicles which meet stricter emission standards (ULEVs or ZEVs) than those required, or by purchasing CFFVs before the purchase requirements go into effect in the 1998 model year. These credits can then be used by covered fleet owners/operators as substitutes for CFFV purchases to meet the purchase requirement or be sold to other covered fleet owners/operators. All CFFVs in covered fleets in compliance with the CFFV purchase requirements will receive exemptions from time-of-day, day-of-week, and other similar temporal-based TCMs established wholly or partially for air quality reasons. States must also grant credits and TCM exemptions to non-covered vehicles purchased by owners/operators of partially covered fleets (i.e., those containing covered and non-covered vehicles). Finally, vehicle fleets owned or operated by an agency, department, or instrumentality of the United States in a covered area are subject to the applicable state fleet program provisions for that area. In addition, under CAA section 246(g), federal facilities where covered fleets are refueled must make clean alternative fuel available to the public during reasonable business times, subject to national security concerns, if such fuel is not commercially available for retail sale to the public in the vicinity of the facility.

EPA decided not to promulgate regulations for this provision, but provides guidance to affected federal facilities in the preamble. The rule became effective on March 3, 1993. (3-1-93, 58 FR 11888, RU# 120-175.00)

3. Determining Conformity of General Federal Actions to State or Federal Implementation Plans - Proposed Rule

EPA proposes a rule to implement section 176(c) of the Clean Air Act (CAA) which requires that all federal actions conform to the appropriate state implementation plan (SIP). In cases where Indian tribes are treated as states, the tribal implementation plan is the "applicable plan." "Federal action" means any activity engaged in by a department, agency, or instrumentality of the federal government, or any activity that a department, agency, or instrumentality of the federal government supports in any way, provides financial assistance for, licenses, permits, or approves. Conformity to a SIP is defined in the CAA as meaning conformity to a SIP's purpose of eliminating or reducing the severity and number of violations of the national ambient air quality standards (NAAQS). The proposed rule establishes regulations for the determination of conformity for all federal actions excluding federal highway and transit actions. (EPA proposed the conformity rule for these activities on January 11, 1993.) The proposed rule would require states to revise their implementation plans to include conformity requirements. The proposed rule contains three major parts: applicability, procedure, and analysis. The proposal would apply to areas designated as nonattainment for any of the criteria pollutants under the CAA: carbon monoxide, lead, nitrogen dioxide, ozone, particulate matter, and sulfur dioxide. Federal agencies in covered areas would be responsible for determining if their actions conform to the applicable SIP. A conformity analysis would have to be performed to examine the impacts of the direct and indirect emissions from an action. Further, EPA proposes that federal agencies make their conformity findings available for public review. In accordance with a proposed consent decree in settlement of litigation, EPA will issue the final conformity regulations by October 15, 1993. The federal regulations will become effective 30 days after promulgation, and federal agencies will be subject to them until the applicable SIP is revised to include conformity requirements. Comments on the proposed general conformity rule were accepted until May 14, 1993. (3-15-93, 58 FR 13836, RU# 120-196.00)

4. Procurement Requirements and Policies for Federal Agencies for Ozone-Depleting Substances - Executive Order

Under the authority of the Constitution and the laws of the United States of America, including the 1990 amendments to the Clean Air Act (CAA), the President of the United States issues Executive Order (E.O.) 12843 to reduce the federal government's procurement and use of substances that cause stratospheric ozone depletion. The E.O. establishes the policy of the federal government that federal agencies: (1) implement cost-effective programs to minimize the procurement of materials and substances that contribute to the depletion of stratospheric ozone and (2) give preference to the

procurement of alternative chemicals, products, and manufacturing processes that reduce overall risks to human health and the environment by lessening the depletion of ozone in the upper atmosphere. Although EPA will soon issue regulations on federal procurement of ozone-depleting substances (NPRM: 4-12-93), federal agencies, in the interim, are to implement the policy in the E.O. by conforming their procurement policies to the general requirements of Title VI of the CAA. Specifically, federal agencies are to take several actions including: (1) minimizing, where economically practicable, the procurement of products containing or manufactured with Class I substances (i.e., chlorofluorocarbons, halons, carbon tetrachloride, methyl chloroform, and any other substance so designated by EPA at a later date); (2) altering existing equipment and/or procedures to make use of safe alternatives to Class I substances; and (3) amending existing contracts, to the extent permitted by law and where practicable, to require the use of safe alternatives. In developing procurement policies, federal agencies are also to be aware of the phaseout schedule for Class II substances (i.e., hydrochlorofluorocarbons and any other substances so designated by EPA at a later date). These actions are to be taken no later than November 21, 1993, six months after the May 21, 1993, effective date of the E.O. (4-23-93, 58 FR 21881, RU# 120-508.00)

5. Federal Use of Alternative Fueled Vehicles - Executive Order

On April 21, 1993, the President of the United States signed Executive Order 12844 requiring federal agencies to acquire alternative fuel vehicles in numbers that exceed by 50 percent the requirement established in the Energy Policy Act of 1992 for 1993 through 1995. This new requirement is subject to the availability of funds and to consideration of the life cycle costs of these vehicles. The order states, "The use of alternative fueled motor vehicles can, in some applications, substantially reduce pollutants in the atmosphere, create significant domestic economic activity and stimulate jobs creation, utilize domestic fuel sources..., and reduce vehicle maintenance costs." The Secretary of Energy is directed to provide assistance to other agencies that acquire alternative fueled vehicles by providing, within the available appropriations, payment of the incremental cost of alternative fueled vehicles. All vehicles, whether conversions or purchases as original equipment, must comply with all applicable federal and state emission and safety standards. The head of each agency will report annually to the Secretary of Energy on that agency's actions and progress toward meeting the goal of acquiring alternative fuel vehicles. The Secretaries of Defense and the Treasury and the Attorney General are excluded from this order. They must determine the extent to which the requirements apply to the national security and protective and law enforcement activities of their respective agencies. (4-23-93, 58 FR 21885, RU# 120-218.00)

REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
RESOURCE CONSERVATION AND RECOVERY ACT				
	Oil Pollution Prevention -- RU# 145-002.00			
	Pesticide Storage -- RU# 300-003.00			
840-024.00	Containerized Liquids in Landfills 40 CFR 260 40 CFR 264 40 CFR 265 40 CFR 271	NPRM 51 FR 46824 12/24/86 NOA 52 FR 23695 6/24/87 NOA 56 FR 55646 10/29/91 NOA 57 FR 18853 5/1/92 Final rule 57 FR 54452 11/18/92	EPA prohibits the disposal in landfills of free liquids and containers with liquid hazardous wastes and excludes the use of absorbents that biodegrade and release liquids when compressed. These rules do not apply to owners or operators of landfills in which only PCB chemical waste regulated under 40 CFR 761 are disposed. This rule adopts the Paint Filter Liquids Test, Method 9095, for the testing of containerized liquids to which sorbents have been added before land disposal.	Effective 5/18/93.
840-051.00	Solid Waste Disposal Facility Criteria 40 CFR 257 40 CFR 258	NPRM 53 FR 33314 8/30/88 Final rule 56 FR 50978 10/9/91 Notice 57 FR 7584 3/3/92 Technical corrections 57 FR 28626 6/26/92	EPA amends 40 CFR 257 by including information requirements for certain solid waste disposal facilities and excluding municipal solid waste landfills (MSWLFs) from Part 257 and adds a new Part 258 to spell out specific requirements for MSWLFs.	Effective 10/9/93 except Subpart G of Part 258 is effective 4/9/94.
*840-090.01	Extension of States' Interim Authorization Option to Implement HSWA Regulations 40 CFR 271	Interim final rule 57 FR 60129 12/18/92	EPA issues an interim final rule extending from January 1, 1993 to January 1, 2003 the availability of interim authorization for states to implement requirements of the 1984 HSWA Amendments.	Extension effective 12/18/92. Final rule 8/93.

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
840-107.00	Location Standards for TSD Facilities 40 CFR 261 40 CFR 264 40 CFR 265 40 CFR 270	Notice 55 FR 19981 5/14/90 Planned NPRM 57 FR 52073 11/3/92	EPA plans to propose additional standards for location of hazardous waste treatment, storage, and disposal facilities, in particular, in a variety of sensitive environments. Floodplain and seismic restrictions already existing at 40 CFR 264.18 and 265.18 will be amended based on new data and information.	NPRM still at OMB. Rule implementation costs may delay issuance of NPRM until 2/94. Final rule undetermined.
840-131.00	Hazardous Waste TSD Facilities - Financial Assurance for Corrective Action 40 CFR 264 40 CFR 270 40 CFR 271	NPRM 51 FR 37854 10/24/86 Notice 54 FR 40728 10/3/89 Notice 55 FR 19981 5/14/90	EPA proposes to amend the financial responsibility and permitting standards for TSD owners and operators to require them to demonstrate financial assurance for completion of any required corrective action for a release to any medium from any solid waste management unit. Acceptable mechanisms include a trust fund, surety bond guaranteeing performance, letter of credit, financial test, or corporate guarantee.	On hold indefinitely.
840-133.01	Solid Waste Management Units - Corrective Action Subpart S (Phase II) 40 CFR 264 40 CFR 265 40 CFR 270 40 CFR 271 40 CFR 271	NPRM 55 FR 30798 7/27/90 NOA 58 FR 18395 4/9/93	EPA proposes procedures and technical requirements for implementing corrective action at RCRA solid waste management units (SMUs). The proposal would create a new Subpart S to define requirements for conducting remedial investigations, evaluating potential remedies, and selecting and implementing remedies at RCRA facilities. EPA announces the availability of two draft reports, "MMSOILS: Multimedia Contaminant Fat, Transport, and Exposure Model" and "Draft Regulatory Impact Analysis for the Final Rulemaking - Corrective Action for Solid Waste Management Units: Proposed Methodology for Analysis."	Final rule 12/93.
840-142.01	Air Emission Standards for VOCs from Tanks and Impoundments at TSD Facilities - Phase II 40 CFR 264 40 CFR 265	NPRM 56 FR 33490 7/22/91 NOA 57 FR 43171 9/18/92 Regulatory Agenda 57 FR 52081 11/3/92	EPA proposes air emission standards for emissions of volatile organics from tanks and impoundments at hazardous waste TSD facilities. The standards would require that organic emission controls be installed and operated on tanks, surface impoundments, containers, and certain miscellaneous units if any hazardous waste having a volatile organic concentration equal to or greater than 500 ppm by weight is placed in the unit.	Final rule 6/93.

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
840-142.03	Air Emissions for TSD Facilities - Site-Specific Models - Phase III 40 CFR 264 40 CFR 265	Planned ANPRM 57 FR 52097 11/3/92	The Phase III project will use new data on TSD facilities to perform site-specific modeling of high-risk facilities. Possible outcomes include (1) additional standards for particular hazardous organic constituents, (2) a guidance document for RCRA permit writers, or (3) no additional action.	ANPRM 11/93.
840-146.00	Treatment and Disposal of Contaminated Debris (LDRs - Phase I) 40 CFR 148 40 CFR 260 40 CFR 261 40 CFR 262 40 CFR 264 40 CFR 265 40 CFR 268 40 CFR 270 40 CFR 271	ANPRM 56 FR 24444 5/30/91 NPRM 57 FR 958 1/9/92 Notice 57 FR 20766 5/15/92 Final rule 57 FR 37194 8/18/92 Correction 57 FR 39275 8/28/92 Correction 57 FR 41173 9/9/92	EPA establishes treatment standards under the RCRA LDR program for certain newly listed wastes and contaminated debris pursuant to a proposed consent decree and finalizes revised treatment standards for other hazardous debris.	Final rule effective 6/30/92 except: LDRs effective 11/9/92, standards for generators, owners and operators effective 2/18/93. Generic extension of LDR effective date to 5/8/93 for certain debris is still in effect.
840-151.00	Compliance Monitoring and Enforcement - State Programs 40 CFR 271.15 40 CFR 271.16	Planned NPRM 57 FR 52074 11/3/92	The regulations for state authorization requirements for compliance monitoring and enforcement will be revised to reflect HSWA. EPA will consider other changes, such as the requirement for states to have administrative penalty authority.	NPRM undetermined.
*840-161.00	State Hazardous Waste Management Program - Minnesota 40 CFR 271	Immediate final rule 58 FR 14321 3/17/93	EPA grants final authorization to Minnesota for revisions to its state hazardous waste program, subject to public review and comment.	Effective 5/17/93.
840-173.00	Groundwater Monitoring at Hazardous Waste Facilities - Subpart F 40 CFR 260 40 CFR 264 40 CFR 270	NPRM 53 FR 28160 7/26/88 Regulatory Agenda 57 FR 52080 11/3/92	EPA proposes to amend Subpart F groundwater monitoring regulations to foster the early detection of leaks and to better tailor the current groundwater monitoring regulations to site-specific conditions.	Final rule by 8/93.

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*840-173.00	Solid Waste Test Methods (Manual SW-846 Third Edition - Update I) 40 CFR 260 40 CFR 261 40 CFR 262 40 CFR 264 40 CFR 265 40 CFR 268 40 CFR 270	NPRM 54 FR 3212 1/23/89 NOA 55 FR 4440 2/8/90 Notice 57 FR 55114 11/24/92 Corrections 58 FR 6854 2/2/93	EPA proposes to update the Third Edition of SW-846, incorporate it into the RCRA regulations, and mandate minimum QC procedures for all RCRA testing. EPA proposes a number of technical modifications and/or clarifications to the Third Edition of SW-846 and the inclusion of specific QC procedures in SW-846 which are described in the "Report on Minimum Criteria to Assure Data Quality." The Agency is also considering deleting appendices III and X to 40 CFR 261. In response to public comment, EPA gives notice that it has decided not to proceed with the proposed spike recovery correction QA requirements included in the revised Chapter I of SW-846 issued on 2/8/90.	Notice of 11/24/92 effective immediately. Final rule 5/93.
*840-173.01	Solid Waste Test Methods (Manual SW-846 Third Edition - Update II) 40 CFR 260 40 CFR 261 40 CFR 262 40 CFR 264 40 CFR 265 40 CFR 268 40 CFR 270	Planned NPRM 57 FR 52069 11/3/92	EPA will propose to revise certain test methods and add other new test methods that are approved or required under RCRA. These new and revised methods are found in Update II to the Third Edition of SW-846.	NPRM 5/93. Final rule 3/94.
840-175.00	Releases to Groundwater (Subpart F) - Corrective Action 40 CFR 264 40 CFR 270	Planned NPRM 57 FR 52073 11/3/92	These regulations will amend the technical and procedural requirements for conducting corrective action to clean up significant releases to groundwater from regulated hazardous waste units at operating, closed, or closing RCRA facilities and the requirements for implementing remedial action, remedy selection, and corrective measures.	NPRM placed on hold until 1994 pending final action on Subpart S (RUM# 840-133.01) in 12/93.
840-176.00	Groundwater Monitoring - Hazardous Constituents 40 CFR 264 40 CFR 270	Planned NPRM 57 FR 52074 11/3/92	EPA will propose revisions to a list of hazardous constituents, Appendix IX of 40 CFR 264, for use in groundwater monitoring. This amendment would also create a new list for the first part (Detection Monitoring) of the groundwater monitoring program.	NPRM 9/93.
*840-180.00	State Hazardous Waste Management Program - Alabama 40 CFR 271	Immediate final rule 58 FR 14319 3/17/93	EPA grants final authorization to Alabama for revisions to its state hazardous waste management program, subject to public review and comment. The revisions consist of the provisions on radioactive mixed waste, a non-HSWA III requirement, non-HSWA Cluster VI, and most of the HSWA Cluster I without corrective action.	Effective 5/17/93.

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840-185.00	USTs Containing Hazardous Substances - Financial Responsibility 40 CFR 280	ANPRM 53 FR 3818 2/9/88 Planned NPRM 57 FR 52078 11/3/92	EPA will propose to establish financial responsibility requirements for owners and operators of underground storage tanks (UST) containing hazardous substances. An exemption is to be proposed for federally owned tanks.	NPRM 9/93. Final rule 9/94.
840-193.00	No-Migration Variance for Restricted Hazardous Waste Land Disposal 40 CFR 268	Notice 56 FR 46431 9/12/91 NPRM; NOA 57 FR 35940 8/11/92 Regulatory Agenda 57 FR 52078 11/3/92	EPA proposes its interpretation of the "no migration" variance to the land disposal restrictions for untreated hazardous wastes. Additionally, the Agency proposes organic air emission standards for facilities granted a "no migration" variance to dispose of wastes not meeting BDAI treatment standards and announces the availability of a draft guidance manual for petitioners seeking the variance.	Final rule 12/93.
*840-200.00	Petitions to Delist Hazardous Waste - Guidance Manual	NOA 58 FR 19250 4/13/93	EPA announces the availability of a second edition update to the guidance manual on hazardous waste delisting petitions.	Available from NTIS.
*840-206.00	State Hazardous Waste Management Program - Georgia 40 CFR 271	Immediate final rule 57 FR 55466 11/25/92 Corrections 58 FR 12174 3/3/93	EPA grants final authorization to Georgia for revisions, consisting of the non-HSWA cluster VI and HSWA cluster III provisions, to its state hazardous waste management program, subject to public review and comment.	Immediate final rule effective 1/25/93. Corrections effective 1/25/93.
840-211.01	Hazardous Waste Manifest System 40 CFR Chapter 1	Notice 57 FR 44147 9/24/92 Notice 57 FR 54203 11/17/92 Notice 57 FR 61866 12/29/92	EPA gives notice of the establishment of an advisory committee to negotiate a rule delineating a uniform national hazardous waste manifest.	NPRM by 6/93.

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*840-212.00	State Hazardous Waste Management Program - Mississippi 40 CFR 271	Immediate final rule 58 FR 18162 4/8/93	EPA grants final authorization to Mississippi for revisions to its state hazardous waste management program, specifically to the non-HSWA Cluster VI and RCRA Cluster I provisions, subject to public review and comment.	<u>Effective 6/7/93.</u>
840-221.00	Use of Groundwater Data in Delisting Petitions - Subpart C 40 CFR 260.22	NPRM 54 FR 41973 10/12/89 Regulatory Agenda 57 FR 52079 11/3/92	EPA proposes to require those who submit delisting petitions for hazardous wastes to provide groundwater monitoring data as part of their petition.	Final rule 6/93.
840-244.00	Standards for the Tracking and Management of Medical Waste 40 CFR 259	Interim final rule 54 FR 12326 3/24/89 Notice; final rule amendments 54 FR 24310 6/6/89 NOA 55 FR 1770 1/18/90 Corrections 55 FR 27228 7/2/90 NOA 55 FR 28096 7/9/90 NOA 55 FR 43219 10/26/90 NOA 56 FR 2178 1/22/91 Regulatory Agenda 56 FR 54064 10/21/91	EPA publishes an interim final rule implementing the Medical Waste Tracking Act (MWTA) demonstration program. The program sets forth segregation, packaging, labeling, tracking, transportation, and recordkeeping requirements of medical waste generated in the covered states, and lists the wastes to be covered by the program. States participating in the program include NY, NJ, CT, RI, and Puerto Rico.	Interim final rule effective 6/22/89. Amendments effective 6/6/89. Tracking regulations effective 6/22/89 in NY, NJ, CT, 7/24/89 in RI and Puerto Rico. Final report to Congress delayed; no projected date.

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
840-248.00	Revision of Subtitle C Financial Test Criteria 40 CFR 264 40 CFR 265	NPRM 56 FR 30201 7/1/91 Final rule 57 FR 42832 9/16/92	EPA revises the financial test criteria for closure and post-closure care, the claims reporting provision, and the provisions for obtaining a letter of credit. EPA will issue another final rule later addressing corporate third-party liability coverage and post-closure deed requirements.	Final rule of 9/16/92 effective immediately. No schedule for final rule on corporate financial test criteria as yet.
*840-250.01	DOE Case-by-Case Extension on Mixed Waste Storage - Petition 40 CFR 268	Notice of proposed decision 57 FR 22024 5/26/92	EPA proposes to find that DOE has made all but one of the demonstrations required in its application, under RCRA rules in 40 CFR 268.5, for a one-year case-by-case extension of the 5/8/92 effective date of the LDRs applicable to certain mixed wastes generated or stored at 31 DOE facilities.	On hold.
840-250.02	EPA/MRC Guidance on Testing Mixed Radioactive and Hazardous Waste	NOA 57 FR 10508 3/26/92	MRC and EPA jointly issue a proposed guidance document on the testing of mixed radioactive and hazardous waste to assist mixed waste generators in identifying and performing the testing required under RCRA Subtitle C and to ensure that employee radiation exposures are ALARA.	Final guidance 7/93.
*840-250.03	Technical Amendment to Third Third LDRs - Stay of Application 40 CFR 148 40 CFR 264 40 CFR 265 40 CFR 268	Technical amendments 57 FR 8086 3/6/92 Stay of technical amendment 57 FR 31962 7/20/92	EPA stays the 3/6/92 technical amendment of the 6/1/90 third third LDR final rule as it applies to deep wells receiving prohibited characteristic wastes and newly identified or listed unprohibited wastes.	Stay of technical amendment of 3/6/92 expired; extension of stay denied. Amendment superseded by district court ruling, but ruling is being appealed.
		Final rule amendment 58 FR 14317 3/17/93	EPA suspends until 6/17/93 portions of the regulatory language in the 3/6/92 technical amendment relating to the applicability of the deactivation standard to reactive sulfide wastes and the applicability of the dilution prohibition to reactive cyanide wastes. EPA is taking this action because it has decided that a three month compliance period is necessary.	Final rule amendment effective 3/17/93. Portions of rule suspended until 6/17/93.
840-250.04	Third Third LDRs - National Capacity Variance for Mixed Wastes and Certain Hazardous Soils 40 CFR 268	Interim final variance 57 FR 47772 10/20/92	In its final rule of 6/1/90, EPA set treatment standards and LDRs for the third third wastes and granted a national capacity variance for mixed wastes and certain hazardous soils until 5/8/92. EPA now approves an interim final case-by-case extension to 5/8/93 of that national capacity variance for hazardous soils whose BDAT was incineration, retorting, or vitrification and for radioactive mixed wastes. The Administrator may renew this extension to allow continued land disposal until 5/8/94.	Capacity variance extended to 5/8/93. Administrator may renew extension to 5/8/93.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

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*840-250.05	LDRs for Third Third Wastes - Revised Toxicity Characteristic Waste Standards 40 CFR 148 40 CFR 261 40 CFR 268	NOA 58 FR 4972 1/19/93	EPA announces the availability of information, developed in order to implement a recent court decision, on options for establishing revised treatment standards for RCRA toxicity characteristic wastes. The original standards were issued as part of the 6/1/90 third third rule.	<u>NPRM 8/93.</u>
*840-251.00	Hazardous Waste Sump Requirements 40 CFR 260 40 CFR 264 40 CFR 265	Planned NPRM 57 FR 52074 11/3/92	EPA will propose to amend several hazardous waste tank system requirements as applied to existing sumps that are situated inside buildings and constructed as an integral part of the building's floor or foundation. Boeing Company is petitioning EPA to regulate these sumps independently of other hazardous waste storage/treatment tank systems because of differences in design, construction, and use.	<u>On hold.</u>
*840-266.00	Permit Modifications to Hazardous Waste Management Facilities to Correct Omitted Requirements 40 CFR 270.41	Planned NPRM 57 FR 52068 11/3/92	Amendment will allow EPA to modify a permit to correct an inadvertent omission of an applicable RCRA requirement which is in effect prior to the date of permit issuance. The permit correction would follow the modification procedures in 40 CFR 124. Citizens would be able to request such a correction using existing procedures in 40 CFR 124.5.	<u>NPRM 12/94. Final rule 12/95.</u>
*840-287.00	Adequacy Determinations for State/Tribal Solid Waste Programs 40 CFR 239	Planned NPRM 57 FR 52076 11/3/92	This regulation will describe procedures EPA will use to make determinations of adequacy for state/tribal solid waste permitting programs, as required by Sect. 4005 of RCRA.	<u>NPRM 1/94. Final rule 1/95.</u>
*840-294.00	Amendments to Biennial Reporting Requirements 40 CFR 262.41 40 CFR 264.75 40 CFR 265.75 40 CFR 271.10	Planned NPRM 57 FR 52073 11/3/92	EPA plans an amendment to require states to modify their hazardous waste reporting systems to collect additional data elements from their large quantity generators and TSD facilities. Such data will help EPA to better understand the demographics of hazardous waste generation and management.	<u>NPRM 7/93. Final rule 7/94.</u>
*840-295.00	Treatment of Indian Tribes as States Under RCRA Subtitle C 40 CFR 271	Planned NPRM 57 FR 52075 11/3/92	EPA will propose to treat Indian tribes as states for purposes of the Subtitle C program. This regulation will establish the definition of an Indian tribe and the criteria it must meet to be treated as a state for authorization purposes.	<u>NPRM 10/93. Final rule 10/94.</u>

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

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840-305.00	Treatment and Disposal of Hazardous Soil and Newly Identified Wastes (TC Organic Wastes) - LDRs Phase III 40 CFR 268	ANPRM 56 FR 55160 10/24/91 Planned NPRM 57 FR 52066 11/3/92	EPA will propose treatment standards that must be met before contaminated hazardous soil and certain newly identified wastes (e.g., toxicity characteristic wastes) may be disposed of on land.	NPRM 8/93. Final rule 8/94.
840-307.00	Hazardous Waste Recycling - Batteries, Closed Loop; Use Constituting Disposal (Universal Waste Rule) 40 CFR 260-262 40 CFR 264-265 40 CFR 268 40 CFR 270 40 CFR 273	NPRM 58 FR 8102 2/11/93	EPA proposes streamlining requirements for the collection of certain widespread post-user items that are hazardous wastes (e.g., certain batteries and cancelled and suspended or recalled pesticides) to facilitate the separation of these materials from the municipal waste stream and encourage proper treatment and/or recycling.	Final rule 3/94. NPRM on "use constituting disposal" put on delayed track.
840-310.00	Hazardous Waste Identification Rule (Mixture and Derived From) 40 CFR 260 40 CFR 261 40 CFR 262 40 CFR 264 40 CFR 268	Interim final rule 57 FR 7628 3/3/92 NPRM 57 FR 7636 3/3/92 Technical corrections 57 FR 23062 6/1/92 Final rule 57 FR 49278 10/30/92	EPA removes the 4/28/93 expiration date from its reinstatement of the "mixture" and "derived from" rules published 3/3/92 to assure continuity of the existing national hazardous waste program while EPA determines the most appropriate approach for modification of the rules.	Interim final rule effective 2/18/92. Corrections effective 6/1/92. NPRM 10/93. Final rule 10/94.
840-313.00	Land Disposal Restrictions for Newly Identified Wastes - Phase III 40 CFR 268	ANPRM 57 FR 55160 10/24/91 Planned NPRM 57 FR 52067 11/3/92	EPA will propose BDAT and LDRs for wood preserving waste, aluminum potliners, and characteristically hazardous mineral processing wastes.	NPRM 12/93. Final rule 12/94.
840-315.00	Guidance on Storage of Low-Level Radioactive Mixed Waste	Notice 57 FR 48051 10/21/92	EPA and NRC plan to issue a joint guidance document on the storage of mixed radioactive and hazardous waste to assist individuals currently storing mixed waste to meet the regulatory requirements of AEA and RCRA, and have scheduled a meeting to receive input on issues to be addressed in the document.	Proposed guidance just beginning development; no schedule for action yet.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
840-316.00	Hazardous Waste Management System - Post-Closure Requirements 40 CFR 264 40 CFR 265 40 CFR 270	Planned NPRM 57 FR 52068 11/3/92	EPA will modify the regulations to expand and improve the mechanisms available for addressing post-closure care at hazardous waste land disposal facilities to allow substitution of enforcement mechanisms for post-closure permits in some cases.	NPRM 7/93. Final rule 7/94.
840-317.00	Interim Status Groundwater Monitoring Requirements for Newly Regulated Land Disposal Facilities 40 CFR 265 40 CFR 270	Planned NPRM 57 FR 52068 11/3/92	EPA will propose to clarify and revise the timing of certain monitoring requirements and revise the groundwater monitoring certification requirement for interim status land disposal facilities.	NPRM tabled until 1994.
840-318.00	Spent Solvents Listing Determination and Study 40 CFR 261 40 CFR 271 40 CFR 302	Planned NPRM 57 FR 52068 11/3/92	EPA will propose to list or not list as RCRA hazardous wastes ten spent solvents and/or still bottoms from their recovery. The solvents are cumene, phenol, isophorone, acetone, furfural, epichlorohydrin, methyl chloride, ethylene dibromide, benzyl chloride, and p-dichlorobenzene. Any solvents listed will be added to the CERCLA list of hazardous substances with reportable quantities.	NPRM 4/94. Final rule 6/95.
840-319.00	Chlorinated Aliphatics Listing Determination Under RCRA Subtitle C 40 CFR 261 40 CFR 271 40 CFR 302	Planned NPRM 57 FR 52069 11/3/92	EPA will propose to list or not to list as RCRA hazardous wastes wastewaters and wastewater treatment sludge from the production of approximately 25 chlorinated aliphatics. If listed, these wastes will be designated as CERCLA hazardous substances with reportable quantities established.	NPRM 12/94. Final rule 10/95.
840-320.00	Delisting Program - Incorporation of EPA's Composite Model for Landfills 40 CFR 260.22	Planned NPRM 57 FR 52070 11/3/92	The delisting program intends to promulgate the use of EPA's Composite Model for Landfills (EPACML) into the delisting regulations for predicting the potential impact on human health and the environment of hazardous constituents that may be released from the petitioned wastes. Currently the RCRA regulations do not include any specific model for use in delisting.	NPRM 12/93. Final rule 12/94.
840-321.00	Suspension of the TC Rule for Non-UST Petroleum Contaminated Media 40 CFR 261	NPRM 57 FR 61542 12/24/92	EPA proposes to suspend the toxicity characteristic (TC) rule in states with adequate petroleum response programs, as it applies to non-UST petroleum contaminated media and debris (waste codes D018-D043), for a period of three years while EPA researches and makes a final decision as to the appropriate regulatory treatment for these materials.	Final rule 8/93.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

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840-322.00	Applicability of the TC Rule to Petroleum-Contaminated Media and Debris from USTs 40 CFR 261	NPRM 58 FR 8504 2/12/93	EPA proposes to exempt petroleum-contaminated media and debris, such as soils and groundwater, generated from UST corrective actions from certain hazardous waste regulations under RCRA. The exemption would be limited to the 25 newly listed organic chemicals under the TC (hazardous waste codes D018 through D043).	Final rule 4/94.
840-323.00	Identification and Listing of Hazardous Waste Treatability Studies Sample Exemption 40 CFR 261	Planned NPRM 57 FR 52071 11/3/92	Under the existing treatability studies exclusions, up to 1000 kg of non-acutely hazardous waste may be treated from a single waste stream with a maximum of 250 kg per day. This quantity limit is insufficient for testing many pilot-scale technologies. EPA will revise this to set new limits based on needs for testing and de minimus risk.	NPRM 6/93. Final rule 3/94.
*840-324.00	Revision of Designation of Pentachlorophenol Listed Wastes and Basis for Listing Criteria 40 CFR 260-261 40 CFR 264-265 40 CFR 271 40 CFR 302	Planned NPRM 57 FR 52072 11/3/92	EPA will propose to delete part of F027, discarded unused formulations of pentachlorophenol, and to add it as U242, pentachlorophenol, to the RCRA listed hazardous wastes under 40 CFR 261.33. EPA will also clarify the criteria used for listing and propose less stringent management standards for F021 and discarded unused portions containing pentachlorophenol.	Rulemaking divided into two parts. Part I NPRM on hold. Part II NPRM on listing criteria 7/93.
*840-325.00	Field Filtering of Ground Water Samples Under Subtitles C and D 40 CFR 258.51(b) 40 CFR 264.97(e)	Planned NPRM 57 FR 52075 11/3/92	Subtitle D presently bans field filtering of groundwater monitoring samples, and subtitle C intends to propose a similar ban. EPA will present its explanation for the banning decision and will propose, based on comments/data, to either (1) remove the ban/intent to ban from subtitle D or (2) maintain the ban in subtitle D and institute it in subtitle C.	NPRM 8/93. Final rule 10/93.
*840-326.00	Clarify Lender Liability for Underground Storage Tanks 40 CFR 280	Planned NPRM 57 FR 52077 11/3/92	This regulation will clarify the liability of secured creditors ("lenders") regarding contaminated properties they hold as collateral. The clarification is needed to remove a current barrier to the financing of UST facilities and increase the amount of capital available to UST owners.	NPRM 9/93. Final rule 9/94.
840-328.00	Hazardous Waste Imports/Exports - Implementation of OECD Decision for Recyclable Wastes 40 CFR 261-266	Planned final rule 57 FR 52079 11/3/92	On March 30, 1992, the Organization for Economic Cooperation and Development (OECD) adopted the Council's Final Decision on the Control of Transfrontier Movements of Wastes Destined for Recovery Operations. This decision establishes a graduated system of procedural controls for the export and import of wastes for recovery depending on whether a waste is included in the green, amber, or red lists. EPA will codify this legally binding decision in a RCRA final rule.	Final rule 6/93.

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*840-329.00	Modifications to Definition of Solid Waste and Hazardous Waste Recycling 40 CFR 261 40 CFR 266	Planned ANPRM 57 FR 52066 11/3/92	EPA will propose to improve the implementation of the regulations that define a solid waste and the regulations governing the recycling of hazardous wastes.	ANPRM tabled. No action before 10/93.
*840-330.00	Standard on Safe Entry and Cleaning of Petroleum Storage Tanks	NOI 58 FR 3934 1/12/93	The National Institute of Standards and Technology, on behalf of the American Petroleum Institute (API), announces a proposed revision to the standard API publication 2015, "Safety Entry and Cleaning of Petroleum Storage Tanks."	Final revisions <u>undetermined</u> .
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT				
Non-APA Consolidated Rules of Practice for Administrative Assessment of Civil Penalties Under CERCLA, SARA, SDWA, and CWA -- RU# 190-059.00				
List of Substances and Threshold Quantities -- RU# 120-183.00				
*180-025.00	Natural Resource Damage Assessments - Type B 43 CFR 11	ANPRM 54 FR 39016 9/22/89 NPRM 56 FR 19752 4/29/91 Regulatory Agenda 57 FR 51455 11/3/92	To comply with a court decision, DOI proposes revisions to the type B natural resource damage assessment rule. The proposed rule provides for a unified process for trustees to develop claims for both (1) the costs of restoration, rehabilitation, replacement, and/or acquisition of equivalent resources and (2) reliably calculated lost values of the injured resources, with no required hierarchy of valuation methodologies for determining those values.	Will reopen comment period and issue final rule 10/93.
*180-042.00	Federally Permitted Releases 40 CFR 117 40 CFR 302 40 CFR 355	NPRM 53 FR 27268 7/19/88 Supplemental Notice 54 FR 29306 7/11/89 Regulatory Agenda 57 FR 52114 11/3/92	EPA proposes to clarify the federally permitted release exemptions from CERCLA release reporting and liability provisions.	Final rule 11/93.

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180-056.00	Designation of Extremely Hazardous Substances as CERCLA Hazardous Substances 40 CFR 302	NPRM 54 FR 3388 1/23/89 Notice 54 FR 15802 4/19/89 Regulatory Agenda 57 FR 52110 11/3/92	EPA proposes to designate 226 extremely hazardous substances (EHSS), as defined in Sect. 302 of SARA, as hazardous substances pursuant to Sect. 102 of CERCLA. EPA intends to reduce potential confusion concerning the different SARA title III and CERCLA requirements by ensuring consistent procedures for reporting releases of all EHSSs.	Final rule returned by OMB for reconsideration; no schedule for action.
180-072.00	RQ Adjustments for Substances on the Extremely Hazardous Substances List 40 CFR 117 40 CFR 302 40 CFR 355	NPRM 54 FR 35988 8/30/89 Regulatory Agenda 57 FR 52114 11/3/92	EPA proposes to adjust the reportable quantities (RQs) for 225 substances on the extremely hazardous substance list, which EPA has proposed for designation as CERCLA hazardous substances and 19 substances that are already CERCLA hazardous substances. In addition, EPA will incorporate the threshold planning quantity methodology as part of the RQ adjustment methodology.	Final rule 6/93.
180-077.00	Natural Resource Damage Assessments-Type A - Coastal and Marine Environment 43 CFR 11	ANPRM 54 FR 5093 2/1/89 ANPRM 54 FR 39013 9/22/89 Planned NPRM 57 FR 51453 11/3/92	DOI intends to revise the type A natural resource damage assessment procedure for coastal and marine environments to conform with recent court rulings, specifically, the incorporation of restoration or replacement values and the inclusion of all reliably calculated lost use values, with no required hierarchy of methodologies for conducting those valuations.	NPRM 6/93.
180-077.01	Natural Resource Damage Assessments - Type A - Great Lakes Environment 43 CFR 11	ANPRM 53 FR 20143 6/2/88 ANPRM 54 FR 39015 9/22/89 Correction 54 FR 41363 10/6/89 Planned NPRM 57 FR 51452 11/3/92	DOI intends to make modifications to its ongoing efforts to develop a type A natural resource damage assessment procedure for Great Lakes environments to conform with recent court rulings.	NPRM beginning interagency review; expect publication 7/93.

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*180-086.00	Toxicological Profiles	NOA 58 FR 16410 3/26/93 Corrections 58 FR 19823 4/16/93	ATSDR announces the availability of the final versions of 28 of the 30 toxicological profiles comprising the fourth set of hazardous substances most commonly found at facilities on the CERCLA NPL.	<u>Available from NTIS.</u>
180-092.00	National Contingency Plan - Subpart K, Federal Facilities Requirements 40 CFR 300	Planned NPRM 57 FR 52111 11/3/92	EPA plans to propose Subpart K which will serve as a roadmap to the NCP for requirements pertaining to federal agencies conducting response actions at federal facilities where the release is on or where the sole source is from their facility.	NPRM in interagency review until at least 6/93. Final rule undetermined.
*180-096.00	CERCLA Cost Recovery Program 40 CFR 300 40 CFR 308	NPRM 57 FR 34742 8/6/92 Regulatory Agenda 57 FR 52111 11/3/92	EPA is granted the authority, under CERCLA, to hold potentially responsible parties (PRPs) liable for the cost of cleanup. It is Agency policy to pursue those PRPs for cost expected if a cleanup settlement is not reached. EPA proposes specific recoverable costs, the documentation sufficient to prove EPA's case, and the documents that will be available to PRPs.	<u>Final rule 12/93.</u>
180-105.00	ROs of Lead, Lead Compounds, and Lead-Containing Hazardous Waste Streams 40 CFR 117 40 CFR 302 40 CFR 355	NPRM 57 FR 20014 5/8/92 Correction 57 FR 28471 6/25/92 Regulatory Agenda 57 FR 52114 11/3/92	EPA proposes to adjust the reportable quantity for lead metal, lead compounds, and lead-containing hazardous waste streams to 10 pounds, and for methyl isocyanate to 100 pounds.	Final rule 5/93.
*180-106.00	Procedures for Reimbursement Petitions Under CERCLA 40 CFR undetermined	NOA 57 FR 36402 8/13/92 Planned NPRM 57 FR 52112 11/3/92	EPA is considering proposing a rule to set out a uniform process to review petitions for cost reimbursement filed by parties who have been ordered to clean up Superfund sites.	<u>NPRM 4/94.</u>
*180-109.01	NPL Construction Completion List - Categorization 40 CFR 300	Policy change 58 FR 12142 3/2/93	EPA introduces the Superfund Construction Completion List (CCL) and categorizes or recategorizes 155 present or former NPL sites on the CCL to communicate the successful completion of cleanup activities at these sites.	<u>Effective 3/2/93.</u>

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*180-119.00	CAA Hazardous Pollutants - CERCLA Designation and RQ Adjustments 40 CFR 302.4	Planned NPRM 57 FR 52110 11/3/92	EPA will designate as CERCLA hazardous substances non-CERCLA hazardous air pollutants recently added to Sect. 112 of the CAA by the amendments of 1990 and will adjust the RQs of these hazardous air pollutants.	NPRM 8/93. Final rule 8/94.
*180-120.00	Procedures for Contract Laboratory Program Investigation - MCP Appendix 40 CFR 300	NPRM 57 FR 21576 5/20/92 Regulatory Agenda 57 FR 52115 11/3/92	EPA proposes procedures for OSWER to deal consistently with Contract Laboratory Program (CLP) labs under investigation for alleged fraud.	Final rule 8/93.
*180-124.00	Settlement Policy on Risk Assessments at Superfund Sites	Notice 57 FR 6116 2/20/92 NOA 58 FR 13757 3/15/93	EPA announces the availability for review of an evaluation report on its 6/21/90 settlement policy on the performance of risk assessments at Superfund sites under CERCLA.	Final decision on settlement policy 8/93.
180-126.00	National Priorities List - Thirteenth Update 40 CFR 300	NPRM 57 FR 47204 10/14/92	EPA proposes to add nine sites, including one federal facility site, to the NPL. The federal facility site is a naval air station.	Final rule 9/93.
180-133.00	Administrative Reporting Exemptions for Certain Radionuclide Releases 40 CFR 302 40 CFR 355	NPRM 57 FR 56726 11/30/92 Correction 58 FR 5056 1/25/93	EPA proposes administrative reporting requirements for radionuclide releases from (1) large land holdings, (2) disturbances of land for purposes other than mining, (3) the dumping of coal and coal ash at utility and industrial facilities with coal-fired boilers, and (4) coal and coal ash piles at these facilities.	Final rule 1/94.
*180-134.00	National Priorities List - Fourteenth Update 40 CFR 300	Planned NPRM 57 FR 52112 11/3/92	EPA will propose to revise the national priorities list (NPL) for uncontrolled waste sites. This will be the fourteenth update of the NPL.	NPRM 6/93.
*180-135.00	National Contingency Plan - Technical Revisions 40 CFR 300	Planned NPRM 57 FR 52113 11/3/92	EPA has identified several provisions in the MCP that may be interpreted differently than the Agency intended. EPA will propose clarifications to four sections of the MCP to eliminate potential ambiguity and reaffirm the Agency's original intent.	NPRM still at OMB.

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180-136.00	Hazardous Substance Response and Emergency Response Worker Training and Contractor Certification Program CFR undetermined	Planned NPRM 57 FR 51264 11/3/92	DOE is required to assess civil penalties against contractors at DOE nuclear weapons facilities who fail either to provide training to employees engaged in hazardous substance response and emergency response or fail to certify that such workers have been adequately trained. This regulation will provide the requirements for this training and the procedures for enforcement.	NPRM undetermined.
*180-139.00	Environmental Data Needed for Public Health Assessments	NOA 58 FR 12306 3/3/93	EPA announces the availability of a draft guidance document, "Environmental Data Needed for Public Health Assessments," prepared by ATSDR, which describes the general focus of a public health assessment and provides a list of site information and environmental data that ATSDR attempts to obtain from EPA, PRPs, and lead agencies responsible for conducting environmental investigations.	<u>Comments by 6/30/93.</u>
FEDERAL FACILITIES COMPLIANCE ACT				
185-001.00	National Compliance Plan for DOE Mixed Waste	NOA 57 FR 57170 12/3/92	In response to the Federal Facilities Compliance Act of 1992, DOE issues a draft Strategy for Development of a National Compliance Plan for DOE Mixed Wastes. Purpose of the Strategy is to indicate how DOE will develop a National Compliance Plan which will integrate DOE's current mixed waste management activities into a comprehensive long-range plan to ensure development of adequate waste treatment capacity and to promote compliance with applicable laws and regulations.	Issue draft of National Compliance Plan by 10/93; issue final for EPA/state comments by 10/94.
*185-002.00	DOE Site-Specific Plans for Treating Mixed Waste	Notice 58 FR 17875 4/6/93 Corrections 58 FR 26185 4/30/93	DOE publishes a schedule for submitting site-specific plans for treating mixed waste for each facility at which DOE generates or stores mixed waste. DOE proposes to prepare two interim versions of the plan for each of its sites to facilitate discussions among states and other interested parties according to the following schedule: (1) a conceptual plan by 10/93, (2) a draft plan by 8/94, and (3) a final proposed plan by 2/95.	<u>Comments by 5/21/93.</u>
*185-003.00	Interim Mixed Waste Inventory Report	NOA 58 FR 25822 4/28/93	Under the FFCA of 1992 DOE announces the availability of the Interim Mixed Waste Inventory Report on Waste Streams, Treatment Capacities, and Technologies.	<u>Comments by 7/26/93.</u>

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SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT				
Mandatory Pollution Prevention Reporting in T21 Reports -- RU# 195-002.00				
SARA Section 110 Chemicals Generic Test Rule -- RU# 920-113.00				
190-053.00	Toxic Chemical Release Reporting - Ammonium Sulfate 40 CFR 372	NPRM 55 FR 12144 3/30/90 NOA 55 FR 12148 3/30/90	In response to a petition, EPA proposes to delete ammonium sulfate (solution) from the list of toxic chemicals under Sect. 313 of SARA because releases of ammonium sulfate (solution) can be more effectively covered by the ammonia listing. EPA is clarifying the ammonia listing so that it encompasses other sources of aqueous ammonia.	Final rule undetermined; EPA will not release schedule for action.
190-056.00	Extremely Hazardous Substance List - Explosivity Criteria 40 CFR 355	ANPRM; NOA 55 FR 35012 8/27/90 Planned NPRM 57 FR 52113 11/3/92	EPA is considering proposing that chemicals displaying certain flammability and explosivity criteria be added to the list of extremely hazardous substances under Title III of SARA. The Agency announces the availability of technical background documents on the potential criteria for listing explosives and flammables.	On hold pending response to listing of explosives on CAA list of substances (RU# 120-183.00). May be dropped.
190-059.00	Non-APA Consolidated Rules of Practice for Administrative Assessment of Civil Penalties Under CERCLA, SARA, SDWA, and CWA 40 CFR 28	NPRM 56 FR 29996 7/1/91	EPA proposes non-APA (Administrative Procedure Act) consolidated rules of practice for its administrative assessment of Class I and II civil penalties under Sect. 109 of CERCLA, Sect. 325 of EPCRA, Sects. 309 and 311 of CWA, and Sect. 1423 of SDWA.	Final rule 8/93.
*190-060.00	Toxic Chemical Release Reporting - Sulfuric Acid 40 CFR 372	NPRM 56 FR 34156 7/26/91	EPA grants a petition to modify the listing for sulfuric acid on the list of toxic chemicals subject to Sect. 313 of EPCRA. Specifically, EPA proposes to delete nonaerosol forms of sulfuric acid from the list of toxic chemicals subject to Sect. 313.	Final rule 9/93.
190-061.00	Addition of Air Toxics to Toxics Release Inventory 40 CFR 372	Planned NPRM 57 FR 52043 11/3/92	EPA will propose to add 17 chemicals to the list of toxic chemicals subject to Sect. 313 reporting requirements under EPCRA. Sixteen were designated hazardous air pollutants under the CAA Amendments of 1990; the seventeenth is extremely toxic to aquatic organisms.	NPRM 8/93.
190-063.00	Toxic Chemical Release Reporting - HCFCs 40 CFR 372	NPRM; NOA 57 FR 28159 28180 6/24/92	EPA proposes to add hydrochlorofluorocarbons (HCFCs) as a category to the list of toxic chemicals subject to reporting under Sect. 313 of EPCRA. A guidance document on HCFCs covered by the proposed category is available.	Final rule 6/93.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
190-064.00	Toxic Chemical Release Reporting - Addition of Chemicals; SNUR 40 CFR 372 40 CFR 721	NPRM 57 FR 41020 9/8/92	In response to a petition, EPA proposes to add 68 chemicals and 2 chemical categories to the list of toxic chemicals subject to EPCRA reporting. Alternatively, EPA proposes to add only those identified chemicals that are produced in quantities greater than a certain annual manufacturing volume threshold set by EPA, and proposes a significant new use rule (SNUR) under TSCA that would cover substances manufactured in amounts less than this manufacturing volume threshold.	Final rule 9/93.
190-065.00	Amendments to the Extremely Hazardous Substances List Under EPCRA 40 CFR 355	Planned NPRM 57 FR 52113 11/3/92	EPA will correct mistakes found in the extremely hazardous substances list under Sect. 302 of EPCRA due to errors found in the studies used to place the chemicals on the list.	NPRM 6/93. Final rule 6/94.
190-066.00	EPCRA Toxic Release Inventory - Expanded Reporting Requirements 40 CFR 372	Planned NPRM 57 FR 52043 11/3/92	EPA is considering an expanded list of chemicals that facilities will have to submit information on for the Toxic Release Inventory. Also, the list of facilities required to submit such information may be expanded. EPA will selectively propose groupings of chemicals and industries to be added.	NPRM 8/93.
*190-067.00	Toxic Chemical Release Reporting - Deletion of Di-n-octyl phthalate 40 CFR 372	NPRM 58 FR 4133 1/13/93	EPA proposes to grant a petition to delete di-n-octyl phthalate from the list of toxic chemicals subject to reporting under Sect. 313 of EPCRA.	Final rule undetermined.
*190-068.00	Superfund Model Administrative Orders for Removal Actions	NOA 58 FR 21980 4/26/93	EPA announces the availability of two OSWER Directives, dated March 16, 1993: (1) "Model Administrative Order on Consent for Removal Actions" (OSWER #9833.06), and (2) "Model Unilateral Administrative Order for Removal Response Activities" (OSWER #9833.07). The documents contain model language which EPA's regional offices may consider when issuing or negotiating an administrative order for removal actions.	Copies available from NTIS.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
POLLUTION PREVENTION ACT				
195-002.00	Mandatory Pollution Prevention Reporting in TRI Reports 40 CFR 372	NPRM 56 FR 48475 9/25/91 Notice 57 FR 22330 5/27/92 Regulatory Agenda 57 FR 52048 11/3/92	EPA proposes to make mandatory the reporting of source reduction and recycling information in the Toxic Chemical Release Inventory (TRI) reports, including the quantity of a chemical entering any wastestream, released, recycled, or treated at a facility, and a production ratio or activity index for the reported chemical.	Final rule 8/93.
SAFE DRINKING WATER ACT				
Drinking Water Chemicals Proposed Test Rule - RU# 920-123.00				
Non-APA Consolidated Rules of Practice for Administrative Assessment of Civil Penalties Under CERCLA, SARA, SDWA, and CWA - RU# 190-059.00				
880-007.00	Primary Drinking Water Regulations - Radionuclides (Phase IV) 40 CFR 141 40 CFR 142	ANPRM for MCLGs 48 FR 45502 10/5/83 ANPRM for MCLs 51 FR 34836 9/30/86 NPRM 56 FR 33050 7/18/91 Corrections 56 FR 43573 9/3/91 Corrections 56 FR 52241 10/18/91 Regulatory Agenda 57 FR 52065 11/3/92	EPA proposes MCLGs of zero and the following MCLs for radionuclides: radium-226 and radium-228, 20 pCi/L; radon-222, 300 pCi/L; uranium, 30 pCi/L; beta and photon emitters (excluding radium-228), 4 mrem/yr; gross alpha emitters (excluding radium-226, uranium, and radon-222), 15 pCi/L. EPA also proposes monitoring, reporting, and public notification requirements for these radionuclides.	Final rule scheduled for 4/93 but Congress voted to delay the regulation until the end of 1993. EPA will propose an extension and probably issue final rule in 1994.
880-011.00	NPDRs - Groundwater Disinfection 40 CFR 141 40 CFR 142	NOA 57 FR 33960 7/31/92 Planned NPRM 57 FR 52062 11/3/92	EPA will propose that all public water systems using groundwater use disinfection treatment processes; variance criteria will be developed. The Agency intends to propose MCLs and MCLGs or treatment technique requirements for disinfectants and disinfection by-products as part of Phase VI (see RU# 880-050.00). EPA makes available a draft summary of the Groundwater Disinfection Rule.	NPRM 8/94. Final rule 9/96.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
880-013.00	NPDMRs - Inorganic and Organic Compounds (Phase V/24) 40 CFR 141 40 CFR 142 40 CFR 143	ANPRM 48 FR 45502 10/5/83 NPRM 55 FR 30370 7/25/90 NOA 56 FR 60949 11/29/91 Final rule 57 FR 31776 7/17/92 Notice 57 FR 46025 10/6/92	EPA sets MCLs and MCLGs for 18 synthetic organic chemicals and five inorganic chemicals. The NPDMRs consist of MCLs and monitoring, reporting, and public notification requirements. EPA defers setting an MCL/MCLG for sulfate and a SMCL for hexachlorocyclopentadiene at this time. EPA also sets the best available technology (BAT) upon which the MCLs are based and BAT for the purpose of issuing variances.	MCLs/MCLGs effective 1/17/94 except for Endrin's which is effective 8/17/92.
880-013.01	NPDMRs - Sulfate 40 CFR 141 40 CFR 142	Planned NPRM 57 FR 52063 11/3/92	EPA will propose a NPDMR and MCLG for sulfate in drinking water. The contaminant was deferred from the Phase V regulation in order to allow the Agency time to focus on implementation issues concerning the risk to specific subpopulations of sulfate in drinking water.	NPRM 12/93. Final rule 6/95.
*880-027.00	Amendments to the UIC Program ("Reg Fix Package") 40 CFR 144 40 CFR 146	NPRM 55 FR 26462 6/28/90 Regulatory Agenda 57 FR 52064 11/3/92	EPA proposes amendments to the UIC noncompliance and program reporting requirements and to the mechanical integrity requirements. EPA also clarifies how existing injection wells become authorized by rule and when injection is prohibited for failure to comply with authorization-by-rule requirements. Finally, EPA codifies SDWA Sect. 1445(a)(1) as it applies to the UIC program.	Final rule 9/93.
880-030.00	Wellhead Protection and Sole Source Aquifer Demonstration Programs - Indian Tribes 40 CFR 35	NPRM 52 FR 46712 12/9/87 Regulatory Agenda 57 FR 52064 11/3/92	EPA proposes procedures for determining eligibility of Indian Tribes to apply for treatment as states in receiving grants for wellhead protection and/or sole source aquifer demonstration programs.	Final rule 9/93.
*880-046.00	NPDMRs - Arsenic 40 CFR 141	Planned NPRM 57 FR 52062 11/3/92	The current standard for arsenic in drinking water is an interim standard. This rule will set a final MCL and MCLG as required by the SDWA Amendments of 1986. EPA has been sued on the schedule for proposal and promulgation of the arsenic NPDMRs. The final schedule is dependent on settlement of the suit.	NPRM 9/94. Final rule 9/96.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
880-049.00	Management of Class V Injection Wells Under Part C 40 CFR 144 40 CFR 145 40 CFR 146	Planned NPRM 57 FR 52064 11/3/92	EPA will establish a regulatory framework for the management of Class V wells, such as certain septic systems and a variety of drainage wells, that will protect against contamination of groundwater while recognizing the difficulties of this diverse well class.	NPRM 8/93. Final rule 4/94.
880-050.00	NPDRs - Contaminants From First Drinking Water Priority List (Phase VI) 40 CFR 141	NOI 57 FR 42533 9/15/92 Planned NPRM 57 FR 52062 11/3/92 Notice 57 FR 53866 11/13/92 Notice 57 FR 61867 12/29/92	EPA will set MCLGs and NPDRs for about 25 contaminants from the first drinking water priority list, as required by the SDWA Amendments of 1986. The 25 contaminants come from two groups: disinfection by-products (Phase VI-A) and organic and inorganic chemicals (Phase VI-B). EPA announces the establishment of an advisory committee to negotiate a proposed disinfection byproducts rule.	NPRM 6/93. Final rule 6/95.
880-053.00	Revision of VOC Analytical Methods 40 CFR 141	Planned NPRM 57 FR 52063 11/3/92	EPA will propose to allow the use of the updated VOC methods 502.2, 503.1, 504, 524.1, and 524.2 for compliance monitoring of trihalomethanes in drinking water.	NPRM 11/93. Final rule 11/94.
CLEAN WATER ACT				
Non-APA Consolidated Rules of Practice for Administrative Assessment of Civil Penalties Under CERCLA, SARA, SDWA, and CWA - RU# 190-059.00				
140-018.00	Guidelines Establishing Test Procedures for the Analysis of Pollutants - Dioxin Measurement 40 CFR 136	NPRM 56 FR 5090 2/7/91 Notice 56 FR 24814 5/31/91	Under Sect. 304(h) of the CWA, EPA proposes to amend the guidelines establishing test procedures for the analysis of pollutants by adding a method for the analysis of 17 tetra- through octa-chlorinated dioxin and furan compounds.	Final rule placed on hold.
*140-039.00	NPDES Permit - Compliance Extension for Innovative Technologies 40 CFR 122 40 CFR 124 40 CFR 125	NPRM 50 FR 49904 12/5/85	EPA proposes a revised rule for dischargers of toxic and nonconventional pollutants who apply for NPDES extensions to install innovative technologies under Sect. 301(k) of the Clean Water Act.	Reproposed NPRM suspended from OMB review and returned to EPA. No action until 11/93; under evaluation.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
140-041.00	Disposal Sites - Denial or Restriction 40 CFR 231	Planned NPRM 57 FR 52055 11/3/92	EPA will revise 404(c) regulations by establishing procedures to be invoked when they are considering the use of 404(c) to prevent the discharge of dredged or fill material into a defined area of U.S. waters. The revisions are based on a review of previous experience.	NPRM 6/93. Final rule 1/94.
140-077.03	NPDES - State Listing Requirements, Section 303(d) (Surface Water Toxics Control Program) 40 CFR 123	NPRM 57 FR 33051 7/24/92	EPA proposes two options for determining which facilities newly identified under CWA Sect. 304(l) are required to have individual control strategies (ICSS): (1) require ICSS only for point sources originally subject to such a requirement or (2) give the state discretion to determine eligibility on a case-by-case basis.	Final rule 6/93.
*140-084.00	NPDES Permit Application - Standard Form A, Short Form A 40 CFR 122.21(j)	Planned NPRM 57 FR 52055 11/3/92	EPA will revise the current NPDES Permit Application Standard Form A (municipal), and Short Form A (municipal) to reflect amendments to the Clean Water Act and changes in program requirements and emphasis.	NPRM 9/93. Final rule 9/94.
*140-085.04	Phase II Storm Water Permitting Program - Additional Sources 40 CFR 122	Notice 57 FR 41344 9/9/92	Under CWA Sect. 402(p)(6), EPA solicits comment on ways to implement the second phase of the storm water permitting program for sources/activities not regulated under the existing program.	NPRM 10/93.
*140-089.00	Biological Test Procedures for the Analysis of Pollutants 40 CFR 136	NPRM 54 FR 50216 12/4/89	EPA proposes to amend 40 CFR 136 by adding new biological measurements and test procedures for the analysis of pollutants under the CWA 304(h) and by updating other procedures. Methods would be added to measure toxicity in effluents and receiving waters, to measure mutagenicity, to monitor viruses in wastewaters and sludges, and to update citations to microbiological methods.	Final rule 6/93.
140-095.01	Effluent Guidelines and Standards - Organic Chemicals, Plastics, and Synthetic Fibers Category - Remanded Issues 40 CFR 414 40 CFR 455	NPRM 56 FR 63897 12/6/91 Correction 56 FR 66120 12/20/91 Notice 57 FR 56883 12/1/92	In response to litigation, EPA proposes several amendments to 40 CFR 414 which sets effluent limitations for point sources in the organic chemicals, plastics, and synthetic fibers category. EPA gives notice that it is considering determining that phenol and 2,4-dimethylphenol do not pass through POTWs. If EPA makes this determination, these two pollutants would not be subject to regulation by the categorical pretreatment standards proposed on 12/6/91.	Final rule 5/93.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
140-103.00	Treatment of Indian Tribes as States - NPDES and Sludge Management Programs 40 CFR 122-124 40 CFR 501	NPRM 57 FR 8522 3/10/92 Regulatory Agenda 57 FR 52059 11/3/92	EPA proposes to establish requirements and procedures by which an Indian tribe may be treated as a state and be approved to administer the NPDES and/or sludge management program.	Final rule 7/93.
*140-108.00	Shore Protection Act Section 4103(B) Regulations 40 CFR undetermined	Planned NPRM 57 FR 52057 11/3/92	The EPA Administrator, in consultation with the Secretary of DOT, is considering regulations: (1) requiring that waste sources, receiving facilities, and vessels provide the means and facilities to assure that waste will not be deposited into coastal waters during handling; (2) requiring the submission and adoption of an operation and maintenance manual of procedures to prevent, report, and clean up waste deposits; and (3) installing of tracking systems if deemed appropriate.	NPRM 8/93. Final rule 8/94.
140-109.00	Effluent Guidelines and Standards for the Waste Treatment Category 40 CFR Subchapter N	Planned NPRM 57 FR 52054 11/3/92	EPA is developing regulations that will cover centralized waste treatment (CWT) facilities that generally treat aqueous and liquid hazardous and non-hazardous waste as Phase I of this regulation. Phase II will regulate hazardous waste incinerators and landfill leachate discharges. EPA plans on collecting Phase II screening information in conjunction with the Phase I technical study.	Phase I NPRM 4/94. Final rule 1/96. Phase II NPRM 12/95. Final rule 12/97.
140-110.00	Secondary Treatment Requirements for Municipal Discharge into Marine Waters 40 CFR 125	NPRM 56 FR 2814 1/24/91 Notice 57 FR 46390 10/8/92 Regulatory Agenda 57 FR 52059 11/3/92	EPA responds to statutory changes made to Sect. 301(h) of the CWA which governs secondary treatment waivers for municipal discharges into marine waters. EPA proposes changes to appendices A and B of Subpart G to simplify and revise the application requirements for waivers and permit renewals.	Final rule 5/93.
140-111.00	CWA Section 404 Program Definition 40 CFR 232.2(q)	Planned NPRM 57 FR 52055 11/3/92	This action would revise the definition of "waters of the U.S." by adding four examples to those currently contained under that definition. The intent is to clarify aspects of the current definition which define waters, "the use, degradation or destruction of which would or could affect interstate or foreign commerce," as waters of the U.S.	NPRM 7/93. Final rule 7/94.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
140-114.00	Bioconcentratable Contaminants	NOA 56 FR 13150 3/29/91	EPA announces the availability of the draft guidance document entitled "Assessment and Control of Bioconcentratable Contaminants in Surface Waters" to provide guidance to state and federal regulators on assessing and, where necessary, controlling the release of pollutants which, due to their chemical properties, accumulate in tissues of aquatic organisms.	Final guidance document 7/93.
140-119.00	Ambient Water Quality Criteria for Aquatic Life - Metals	NOA 57 FR 24041 6/5/92	EPA announces the availability of interim guidance on interpretation and implementation of ambient WQC for aquatic life for metals in state water quality programs.	Final guidance 6/93.
*140-120.00	Section 404 Dredge and Fill Program 33 CFR 323 33 CFR 328 40 CFR 110 40 CFR 112 40 CFR 116-117 40 CFR 122 40 CFR 230 40 CFR 232 40 CFR 402	NPRM 57 FR 26894 6/16/92 Regulatory Agenda 57 FR 51223 11/3/92	The COE and EPA propose to modify the definition of discharge of dredged material under Sect. 404 of the CWA, clarify when the placement of fillings is considered discharge of dredged material, and clarify that prior converted croplands are not waters of the United States.	Final rule 6/93.
*140-123.00	COE Regulatory Guidance Letters	NOA 58 FR 17209 4/1/93	The COE publishes all current regulatory guidance letters (RGLs) beginning with RGL 90-6 and ending with RGL 92-5. RGLs are normally issued as a result of evolving policy and are used to interpret or clarify existing regulatory program policy, but do provide mandatory guidance to Corps district offices.	Final rule 11/93.
140-124.00	Exception From Wetlands Mitigation Sequence for Alaska 40 CFR 230	NPRM 57 FR 52716 11/4/92	EPA proposes to provide an exception from the wetlands mitigation sequence for proposed discharges of dredged or fill material into wetlands in states with less than one percent loss of historic wetlands acreage. The exception would only apply to Alaska.	
140-126.00	Revisions to CWA Section 403 Ocean Discharge Criteria 40 CFR 120 40 CFR 124 40 CFR 125	Planned NPRM 57 FR 52055 11/3/92	The 10/3/80 Sect. 403 ocean discharge criteria regulations established ocean discharge regulations from which a permit writer must make a determination that a discharge will or will not cause unreasonable degradation of the marine environment. These regulations leave gaps for the permitting agency on discharger-specific requirements, and will be revised to address questions arising in implementing them.	NPRM 9/94.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
140-127.00	Definition of Wetlands - Exemption of Certain Man-Made Wetlands Under Section 404, 40 CFR 230	Planned NPRM 57 FR 52055 11/3/92	EPA will examine placing limits on the regulation of man-made wetlands created voluntarily for purposes other than mitigation requirements and under circumstances where federal subsidies do not substantially contribute to the success of the created area.	NPRM tabled pending review by new Administrator.
140-128.00	Section 404 State Wetlands Protection Programs 40 CFR 233	Planned NPRM 57 FR 52056 11/3/92	EPA will work with the COE to revise the excessively burdensome procedures and requirements for approving and monitoring state wetlands protection programs by developing performance based criteria for the approval of state programs.	NPRM tabled pending review by new Administrator.
*140-129.00	Wetlands Protection Program - Sequencing Based on a Categorization Scheme 40 CFR 230	Planned NPRM 57 FR 52056 11/3/92	EPA plans to revise existing regulations based on review of the final categorization definitions to be developed by the White House Domestic Policy Council Task Force on Wetlands to implement the Administrator's proposals for removing sequencing requirements for all but the highest category.	<u>Tabled pending review by new Administrator; no action until 10/93.</u>
140-130.00	Wetlands Protection Program - Allowance for Projects to Proceed unless Applicant is Otherwise Notified 40 CFR 230	Planned NPRM 57 FR 52056 11/3/92	EPA plans to revise Sect. 404(b)(1) guidelines to clarify that permits shall be considered approved unless the applicant is otherwise notified within six months by the permitting agency. EPA is taking this action to implement a part of the President's wetlands plan.	NPRM tabled pending review by new Administrator.
*140-133.00	Water Quality Guidance for the Great Lakes System 40 CFR 122 40 CFR 123 40 CFR 131 40 CFR 132	NPRM 58 FR 20802 4/16/93 Corrections 58 FR 21046 4/16/93	To satisfy the requirements of Sect. 118(c)(7)(C) of the CWA, EPA issues proposed guidance for implementing water quality standards, antidegradation policies, and implementation procedures for waters within the Great Lakes System.	<u>Comments by 9/13/93.</u>
*140-134.00	Report on Data and Methods for the Assessment of Dioxin Effects	NOA 58 FR 25987 4/29/93	EPA announces the availability of its "Interim Report on Data and Methods for the Assessment of 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) Risks to Aquatic Organisms and Associated Wildlife."	

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
OIL POLLUTION ACT OF 1990				
*145-001.00	Natural Resource Damage Assessments - Oil Pollution Act 15 CFR Ch. IX	ANPRM 55 FR 53478 12/28/90 ANPRM 57 FR 8964 3/13/92 NOA 58 FR 4601 1/15/93	NOAA intends to develop proposed regulations pursuant to Sect. 1006 of the Oil Pollution Act of 1990 to establish procedures by which natural resources trustees may determine recoverable damages as compensation for injury, loss, or destruction of natural resources as a result of a discharge of oil into or upon navigable waters or adjoining shorelines. On 3/13/92, NOAA provided a status report concerning the regulations being developed. NOAA announces the availability of the report provided by the Contingent Valuation Panel on the contingent valuation methodology as part of the rulemaking process.	<u>NPRM 6/93. Final rule 6/94.</u>
*145-002.00	Oil Pollution Prevention (Phase I - Spill Prevention, Control, and Countermeasures) 40 CFR 112	NPRM 56 FR 54612 10/22/91 Regulatory Agenda 57 FR 52078 11/3/92	EPA is pursuing a two-phase regulatory approach to propose changes to the oil spill prevention regulation. As Phase I, EPA proposes to establish requirements for Spill Prevention, Control, and Countermeasures (SPCC) to prevent spills of oil into U.S. waters or adjoining shorelines by non-transportation related onshore and offshore facilities and adds a facility notification provision.	<u>Final rule 10/93.</u>
*145-002.01	Oil Pollution Prevention (Phase II - Facility Response Plans) 40 CFR 112	NPRM 58 FR 8824 2/17/93 Corrections 58 FR 19030 4/9/93	EPA proposes a rule to implement requirements directing owners and operators of onshore, non-transportation-related facilities that handle oil to prepare facility response plans for discharges of oil.	<u>Final rule 1/94.</u>
*145-003.00	Revisions to the MCP Required by the Oil Pollution Act 40 CFR 300	Planned NPRM 57 FR 52112 11/3/92	The Oil Pollution Act of 1990 requires that EPA prepare and publish revisions to the National Contingency Plan (NCP) for the removal of oil and hazardous substances to implement the requirements of the Oil Pollution Act. EPA will also consider new mandates, such as adding a Fish and Wildlife Plan and Area Contingency Plans.	<u>NPRM 7/93; at OMB. Final 7/94.</u>
*145-012.00	EPA and Coast Guard MOU Regarding CWA Section 311	Notice 58 FR 19420 4/14/93	EPA publishes a Memorandum of Understanding (MOU) between EPA and the Coast Guard concerning the enforcement of Sect. 311 of the CWA, as amended by the Oil Pollution Act of 1990.	

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION

CLEAN AIR ACT

Air Emission Standards for VOCs from Tanks and Impoundments at TSD Facilities - Phase II -- RU# 840-142.01

Air Emissions for TSD Facilities - Site-Specific Models - Phase III -- RU# 840-142.03

CAA Hazardous Pollutants - CERCLA Designation and RQ Adjustments -- RU# 180-119.00

Addition of Air Toxics to Toxics Release Inventory -- RU# 190-061.00

*120-005.00   NAQS - Sulfur Oxides   ANPRM   EPA proposes to retain the existing NAAQS for sulfur oxides.   Action on final rule
40 CFR 50   44 FR 56730   Adding an alternative 1-hour primary standard of 0.4 ppm to   regarding primary
40 CFR 51   10/2/79   replace the 3-hour standard (0.5 ppm) is being considered. EPA   standards 5/94.
40 CFR 58   NPRM   also proposes to revise the significant harm levels, the   standards 5/94.

53 FR 14926   Pollutant Standards Index for SO₂, and certain monitoring and   reporting requirements. EPA incorporates additional material   into the dockets for the proposed revisions to the Ambient Air   quality Surveillance requirements.

4/26/88

Notice

53 FR 29346

8/4/88

Clarification

notice

53 FR 36587

9/21/88

Notice of

proposed consent

decree

57 FR 44375

9/25/92

EPA announces its final decision not to revise the secondary   standards for sulfur oxides. EPA still needs to issue a final   decision regarding whether or not to revise the primary   standards.

Final decision on   secondary standards   effective 5/21/93.

Final decision   58 FR 21351   4/21/93

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*120-006.00	MAAQs - Ozone 40 CFR 50.9	First revisions 49 FR 29845 7/24/84 NOA 50 FR 52556 12/24/85 NOA 53 FR 48308 11/30/88 Notice 57 FR 8429 3/10/92 Proposed decision 57 FR 35542 8/10/92 Call for information 57 FR 38832 8/27/92 Final decision 58 FR 13008 3/9/93	As a result of a review of health and welfare criteria, EPA finds that revisions of the primary and secondary standards for ozone are not appropriate at this time.	<u>Effective 4/8/93.</u>
*120-010.00	Guideline on Air Quality Models 40 CFR 51 40 CFR 52	NPRM 56 FR 5900 2/13/91 Regulatory Agenda 57 FR 52103 11/3/92	EPA proposes to add several new modeling techniques and to make revisions to the air quality models for estimating ambient air concentrations referenced under the PSD regulations of the CAA.	<u>Final rule 6/93.</u>
*120-055.00	NESHAPs - Chromium Industrial Cooling Towers 40 CFR 61	NOI to list 50 FR 24317 6/10/85 Planned NPRM 57 FR 52087 11/3/92	Chromium compounds are listed as hazardous air pollutants in the CAA Amendments of 1990. Industrial process cooling towers that use chromate-based water treatment programs have been identified as potentially significant sources of chromium air emissions and as a source category for which NESHAPs are warranted.	<u>NPRM 5/93. Final rule 5/94.</u>
120-075.00	Source Surveillance of Visible Emissions 40 CFR 52	NPRM 51 FR 31076 8/29/86	EPA proposes new visible emission test procedures to evaluate opacity standards compliance when a SIP lacks an appropriate method or when the Administrator enacts a state plan.	Reproposed NPRM 5/93; at OMB.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*120-083.00	MAAQs - Nitrogen Dioxide 40 CFR 50.11	NOA - draft document 56 FR 59285 11/25/91	EPA announces the availability of an external review draft of a revised air quality criteria document of oxides of nitrogen prepared by the Environmental Criteria and Assessment Office (ECAO) of the Office of Research and Development. The Agency will revise the standard if needed to protect the public health and welfare.	<u>Final review of criteria document 7/93.</u>
		Proposed consent decree 58 FR 11859 3/1/93	EPA gives notice of a proposed consent decree in litigation concerning review of the NAAQS for nitrogen dioxide. If finalized, the decree would force EPA to issue proposed and final decisions on whether to modify the NAAQS according to a definite time schedule.	<u>If consent decree is finalized, EPA will have to issue an NPRM by 2/95 and final rule by 3/96.</u>
120-084.00	MAAQs - Carbon Monoxide 40 CFR 50.8	Call for Information 52 FR 27580 7/22/87 NOA 55 FR 14858 4/19/90 Regulatory Agenda 57 FR 52082 11/3/92	EPA will review ongoing studies on health effects of carbon monoxide and make a decision for or against a change in the NAAQS.	Decision on revision 11/93.
*120-085.00	NESHAPs - Asbestos (Compliance)	Notice 57 FR 59997 12/17/92	EPA gives notice of a proposed settlement agreement in litigation concerning an 11/20/90 final rule for NESHAPs for asbestos.	<u>Final action 6/93.</u>
120-093.00	NESHAPs - Hazardous Organics ("HON" Rule) 40 CFR 63	NPRM 57 FR 62608 12/31/92 Corrections 58 FR 11667 2/26/93	EPA proposes to control emissions of hazardous organic chemicals from storage tanks, process vents, equipment leaks, transfer operations, and wastewater treatment in synthetic organic chemicals manufacturing plants. EPA also proposes Methods 304 and 305 to demonstrate compliance with control requirements for wastewater streams.	Final rule 12/93.
*120-094.00	Health Assessment Document - Acetaldehyde	NOA draft 52 FR 19918 5/28/87	EPA issues the first external review draft of the health assessment document for acetaldehyde. The document will be used in the decision process for possible regulation of acetaldehyde under the CAA.	Final document on hold; may never be issued.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
120-103.00	NESHAPs - Organic Solvent Degreasing 40 CFR 63	Planned NPRM 57 FR 17435 4/27/92	This regulation will apply to organic halogenated solvent cleaners (degreasers) using any of the hazardous air pollutants listed in the CAA, and will control emissions from new and existing sources.	NPRM 9/93. Final rule 9/94.
*120-113.03	Methods for Measurement of Opacity - Addition to Appendix M 40 CFR 51	NPRM 57 FR 46114 10/7/92	EPA proposes to add test method 203 for the continuous measurement of opacity from stationary sources to appendix M in 40 CFR 51.	<u>Final rule 5/93.</u>
*120-116.00	NSPS - Municipal Landfills 40 CFR 60	NPRM 56 FR 24468 5/30/91 Regulatory Agenda 57 FR 52102 11/3/92	EPA proposes to add subpart MMM to 40 CFR 60 for control of new sources and proposes emission guidelines and compliance schedules for existing sources under subpart C. Subpart MMM would limit emissions from certain new and modified municipal solid waste landfills and implement Sect. 111(b) of the CAA. The proposed emission guidelines implement Sect. 111(d) of the CAA which requires the Administrator to prescribe regulations under which the states will submit plans for the control of existing emissions of certain air pollutants for which NSPS have been established.	<u>Final rule 9/93.</u>
*120-117.01	NESHAPs for Benzene Waste Operations - Alternative Compliance Options 40 CFR 61	ANPRM 58 FR 15457 3/23/93	EPA may propose an alternative compliance option to the NESHAPs for benzene waste operations applicable to chemical manufacturing plants, coke by-product recovery plants, petroleum refineries, and facilities at which waste treatment units are used to treat, store, or dispose of waste generated by any of the above. The alternative compliance option would be based on site-specific risk assessments.	<u>NPRM undetermined.</u>

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RJ NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*120-118.03	Radionuclides NESHAPs - Stay of Effective Date for Subpart I - NRC-Licensed Facilities 40 CFR 61	NPRM 56 FR 6339 2/15/91 Final rule 56 FR 18735 4/24/91 NPRM 57 FR 43173 9/16/92 NPRM 57 FR 56877 12/1/92 Notice 57 FR 58018 12/8/92 Correction 57 FR 60778 12/22/92	EPA proposes to rescind Subpart I as it applies to NRC-licensed facilities other than nuclear power reactors and allows the stay of Subpart I for these facilities to expire as of 11/15/92. On 12/22/92 EPA publishes a memorandum of understanding (MOU) between EPA and NRC which was supposed to be published as an attachment to its 12/1/92 proposed rule.	<u>Final rule to rescind Subpart I 5/93. Stay of Subpart I expired 11/15/92.</u>
*120-118.04	Radionuclides NESHAPs - Subpart I Rescinded for Power Reactors 40 CFR 61	ANPRM 56 FR 10524 3/13/91 NPRM 56 FR 37196 8/5/91	EPA proposes to rescind Subpart I as it applies to nuclear power reactors.	<u>Final rule 5/93.</u>
*120-118.06	Radionuclides NESHAPs - Subpart I Rescinded for Uranium Mill Tailings Sites 40 CFR 61	NPRM 56 FR 67561 12/31/91 Proposed settlement 58 FR 17230 4/1/93 Planned NPRM 57 FR 52085 11/3/92	EPA proposes to rescind Subpart I as it applies to owners/operators of uranium mill tailings disposal sites licensed by NRC. The proposal does not concern sites under DOE control. EPA gives notice of a proposed settlement in litigation involving EPA's NESHAPs for radionuclide emissions from uranium mill tailings disposal sites.	Final rule 6/94.
120-148.00	MAQS - Lead 40 CFR 50.12		EPA is assessing new health effects information that has become available regarding lead and will make a decision for or against a change in the NAAQS. EPA has prepared a staff paper which has been reviewed and approved by the Clean Air Act Scientific Advisory Committee (CASAC).	NPRM 11/93.

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120-149.00	MESHAPS - Asbestos (Comprehensive Revisions) 40 CFR 63	Planned NPRM 57 FR 52087 11/3/92	EPA is considering revising the asbestos MESHAP to require maximum achievable control technology standards. A screening study is underway and a new schedule will be developed when the study is complete.	No schedule for NPRM as yet; final rule due by 11/94.
120-158.00	NSPS - Medical Waste Incineration 40 CFR 60	Planned NPRM 57 FR 52086 11/3/92	EPA will propose new source performance standards and emission guidelines for existing medical waste incineration sources under Sects. 111 and 129 to reflect the maximum degree of reductions in emissions that have been demonstrated for new units.	NPRM 9/93. Final rule 1/95.
120-170.01	Ambient Air Quality Surveillance - Monitoring Data Reporting Requirements 40 CFR 58	NPRM 57 FR 46003 10/6/92	EPA proposes amendments to change the data reporting requirements for state and local air monitoring stations (SLAMS) and national air monitoring stations (NAMS). The changes would affect the number of monitoring sites required to submit air quality data to the Aerometric Information Retrieval System (AIRS) and the timing for such data submittals.	Final rule 10/93.
120-171.00	Prevention of Significant Deterioration and New Source Review ("Update" Rule) 40 CFR 51 40 CFR 52	Planned NPRM 57 FR 52083 11/3/92	EPA will propose to amend EPA's existing new source review regulations, including prevention of significant deterioration, to conform with the new requirements of the CAA Amendments of 1990.	NPRM 5/93. Final rule 4/94.
*120-172.01	Operating Permit Program - Model Operating Permits	NOA 58 FR 25639 4/27/93	EPA announces a series of draft model operating permits to assist states in permitting major stationary sources of air pollution under Title V of the CAA. A number of draft permits are now available; others will be available in coming months. A table of permits and expected date of availability is given.	Comments on any draft permit are due 180 days after it becomes available.
*120-173.00	Enhanced Monitoring and Compliance Certification Regulations 40 CFR 70 40 CFR 71	NOA 56 FR 37700 8/8/91 Planned NPRM 57 FR 52083 11/3/92	Regulations will be developed to provide guidance on the appropriate monitoring methods, recordkeeping and reporting requirements, and periodic compliance certification requirements for permits issued under Title V.	NPRM 7/93. Final rule 7/94.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*120-175.00	Clean Fuel Fleet Programs - Credit Programs and Transportation Control Measure Exemptions 40 CFR 88	NPRM 56 FR 50196 10/3/91 Final rule 58 FR 11888 3/1/93	EPA establishes regulations governing the clean fuel fleet credit program and the exemption of clean fuel fleet vehicles from certain transportation control measures. EPA also issues as guidance, rather than a rule, information related to participation by affected federal facilities.	<u>Effective 3/3/93.</u> <u>Vehicle conversion</u> <u>regulations - NPRM 5/93;</u> <u>at OMB. Final rule 4/94.</u>
*120-176.00	General Provisions for Major and Area Sources of Air Toxics 40 CFR 63	Planned NPRM 57 FR 52088 11/3/92	General provisions are being developed for 40 CFR 63 which will include standards for 189 hazardous air pollutants to be regulated under Sect. 112 of the CAA Amendments of 1990.	NPRM still at OMB; may release by 7/93.
*120-178.00	Standards for Tank Vessel Loading Operations CFR undetermined	Planned NPRM 57 FR 52093 11/3/92	This regulation will control VOC and HAP emissions from tank vessel loading operations, as required by Sect. 183 of the CAA Amendments of 1990. Approximately 65,000 metric tons (MT) of VOCs and 8000 MT of HAPs are emitted annually from tank vessel loading operations.	<u>NPRM 10/93. Final rule</u> <u>10/94.</u>
*120-179.01	General Preamble - Requirements for SIP Submittals - Addendum for PM-10 and Lead Nonattainment Areas	Notice 57 FR 31477 7/16/92	EPA issues a draft addendum to the General Preamble (4/16/92) which contains EPA's preliminary views on how it should interpret Title I with respect to SIP submittal requirements for serious PM-10 and lead nonattainment areas.	<u>Final addendum document</u> <u>7/93.</u>
*120-181.00	Guidance for Implementation of Section 112(g) - Modifications 40 CFR 63	Planned guidance 57 FR 52089 11/3/92	Guidance is being developed in accordance with the requirements of Sect. 112(g) of the CAA Amendments of 1990 that will set de minimis levels for the 189 listed hazardous air pollutants and establish a ranking for determinations of offsets.	<u>NPRM 12/93. Final rule</u> <u>5/94.</u>
120-183.00	List of Substances and Threshold Quantities for Accidental Release Prevention 40 CFR 68	NPRM 58 FR 5102 1/19/93	EPA proposes an initial list of regulated substances as required under Sect. 112(r) of the CAA. The list includes 100 toxic substances, 62 flammable substances, and commercial explosives as defined by DOT. EPA also proposes threshold quantities for accidental releases for each substance listed and the requirements for the petition process to add or delete chemicals from the final list.	Final rule 8/93.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*120-184.00	Prevention of Accidental Releases from Stationary Sources and Risk Management Plan 40 CFR 63	Planned NPRM 57 FR 52110 11/3/92	EPA must promulgate regulations and guidance to provide for the prevention and detection of accidental releases from stationary sources. The regulations must require stationary sources to implement a risk management plan for detection and prevention of accidental releases where a regulated substance is present in quantities greater than a threshold amount.	<u>NPRM 7/93; at OMB. Final rule 7/94.</u>
120-186.00	Clarification of Best Available Control Technology Definition 40 CFR 51 40 CFR 52	Planned NPRM 57 FR 52085 11/3/92	To improve the effectiveness of the prevention of significant air quality deterioration program required by Title I of the CAA, EPA will propose to clarify the regulatory definition of best available control technology (BACT) by adding language that clarifies the legal requirements for a BACT analysis.	Rulemaking tabled; no schedule for action.
120-187.00	Radionuclide Major Source Definition 40 CFR 63	Planned NPRM 57 FR 52089 11/3/92	Sect. 112(a) defines major source as any source that emits 10 tons or more per year of any hazardous air pollutant (HAP) or 25 tons or more per year of any combination of HAPs. The ton quantities are inappropriate for radionuclides, as very small emissions of radionuclides may be extremely hazardous. EPA will, thus, establish different criteria for radionuclides.	NPRM undetermined; no schedule for action.
*120-189.01	Acid Rain Phase II Allowance Allocations and Phase I Reserves 40 CFR 72 40 CFR 73 40 CFR 75	NPRM 57 FR 29940 7/7/92 Final rule 58 FR 15634 3/23/93	EPA publishes regulations governing: (1) allocations of early reduction credits for Phase I and II units; (2) all Phase II initial allowance allocation provisions; (3) Phase I reserves, set-asides, and repowering allocations; (4) rules for small diesel refineries to apply for allowances, and (5) applicability provisions of 40 CFR 72 regarding co-generators, qualifying facilities, independent power producers, and solid waste incinerators.	<u>Effective 3/23/93.</u>
*120-190.00	Contractor Listing Regulations 40 CFR 15	Planned NPRM 57 FR 52096 11/3/92	The CAA, the CWA, and Executive Order 11738 mandate the exclusion from federal contracts, grants, or loans of facilities which are the source of criminal violations of those statutes and give EPA discretion to so bar facilities which are the source of continuing or receiving civil violations. This rule would revise 40 CFR 15 to indicate when and by whom this new authority will be exercised.	<u>NPRM 7/93. Final rule 7/94.</u>
120-191.00	Title I Economic Incentive Program Rules 40 CFR 51	NPRM 58 FR 11110 2/23/93	EPA proposes rules for states to follow in developing an economic incentive program for reducing ozone and carbon monoxide in serious, severe, and extreme ozone nonattainment areas and serious carbon monoxide areas.	Final rule 8/93.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
120-196.00	Determining Conformity of Federal Actions to SIPs 40 CFR 51 40 CFR 93	Proposed consent decree 58 FR 13595 3/12/93	EPA gives notice of a proposed consent decree in settlement of litigation against EPA for not promulgating final rules establishing criteria and procedures for determining the conformity of certain federal actions to State Implementation Plans (SIPs) providing for attainment of NAAQS.	<u>Final rule 10/93.</u>
120-198.00	Emission Standards for Source Categories of Hazardous Air Pollutants 40 CFR 63	NPRM 58 FR 13836 3/15/93	EPA proposes criteria and procedures for determining conformity of federal actions to a state implementation plan under the CAA.	<u>Final rule 10/93.</u>
*120-199.00	Award Regulations 40 CFR 65	NOA 57 FR 44147 9/24/92 Regulatory Agenda 57 FR 52106 11/3/92	EPA publishes the draft schedule for the promulgation of emission standards for categories of sources emitting hazardous air pollutants listed under Sect. 112(c) of the CAA.	Final schedule 10/93.
120-200.00	Prior Notice of Citizen Suits Under Section 304 40 CFR 54	Planned NPRM 57 FR 52096 11/3/92	Regulations will be developed to define the criteria for administering awards to persons who furnish information or services which lead to criminal convictions or civil penalties under the CAA.	<u>NPRM 6/93; at OMB. Final rule 6/94.</u>
*120-201.00	Field Citation Issuance Regulations 40 CFR 28 40 CFR 59	NPRM 58 FR 7870 2/10/93	EPA proposes changes to the procedures governing the service of notice for citizen suits brought under Sect. 304 of the CAA. The changes clarify the precise entities, method, contents, and timing of such notices.	Final rule 2/94.
120-203.00	Criteria for Imposing Discretionary Sanctions Under Title I 40 CFR 52	Planned NPRM 57 FR 52097 11/3/92	Regulations will be developed to implement the Agency's newly authorized field citation enforcement program. The regulations will define the scope of the program and the hearing procedures.	<u>NPRM 9/93. Final rule 9/94.</u>
		NPRM 57 FR 44534 9/28/92	Under Sect. 110(m) of the CAA, EPA proposes criteria it will use when exercising its discretionary authority to apply sanctions on a statewide basis within 24 months of a finding of a deficiency in a state implementation plan.	Final rule 7/93.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

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120-205.00	Air Quality - Revision to Definition of VOCs 40 CFR 51	NPRM 57 FR 48490 10/26/92	EPA proposes to revise its definition of VOCs for purposes of preparing SIPs to attain NAAQS for ozone. The proposed revision would add perchloroethylene to the list of compounds excluded from the definition of VOC because it has negligible photochemical reactivity and thus does not contribute to tropospheric ozone formation.	Final rule 10/93.
*120-206.00	Acid Rain Opt-In Regulation 40 CFR 74	Planned NPRM 57 FR 52084 11/3/92	Sect. 410 of the Clean Air Act Amendments allows sources not affected by Title IV to "opt-in" Title IV. This regulation will provide the necessary procedures for opting in to the acid rain program.	NPRM 7/93. Final rule 3/94.
120-207.00	Guidance for States Making MACT Determinations When Lacking a Federal Standard 40 CFR 63	Planned NPRM 57 FR 52091 11/3/92	In the event that EPA fails to promulgate MACT standards on time, states are required to establish case-by-case MACT compliance limits for every major source of emissions that would have been subject to a standard. This guidance will aid the states in making those compliance determinations.	NPRM 6/93. Final rule 6/94.
120-208.00	NESHAPs for Solid Waste TSD Facilities 40 CFR 63	Planned NPRM 57 FR 52092 11/3/92	EPA will specify maximum control technology (MACT) for facilities that treat, store, dispose of, recycle, recover and/or refine solid waste received from off-site. These include commercial waste treatment facilities, used oil re-refining solvent recovery plants, transfer stations, and industrial landfills.	NPRM 12/93. Final rule 11/94.
120-209.00	Federal Operating Permit Rules in Lieu of State Programs 40 CFR 71	Planned NPRM 57 FR 52095 11/3/92	Title V of the CAA requires EPA to establish operating permit programs if states fail to submit an appropriate state program for major stationary sources of air pollutants. This regulation will establish rules and procedures governing this program.	NPRM 1/94. Final rule 11/94.
120-210.00	Acid Rain Nitrogen Oxides Emission Reduction Program for Boilers 40 CFR 76	NPRM 57 FR 55632 11/25/92 Corrections 57 FR 61489 12/24/92	EPA proposes nitrogen oxide emission requirements for Phase I tangentially-fired, dry bottom wall-fired boilers which must be met by 1/1/95. Emission limits for a second group of boilers (Phase II), including cyclones and wet bottom wall-fired units, will be promulgated and become effective in 2000. In addition, this proposed rule sets conditions of applications for emission averaging and alternative emission limits for both groups.	Final rule 11/93. Phase II NPRM 4/96. Final rule 1/97.

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*120-211.00	Approval/Delegation of Federal Air Toxics Programs to State and Local Agencies 40 CFR 63	Planned NPRM 57 FR 52092 11/3/92	EPA is undertaking a rulemaking to develop guidance for state and local agencies seeking approval or delegation of the federal Title III air toxics program.	NPRM 5/93. Final rule 5/94.
120-212.00	Control Technique Guidelines (CTGs)	Regulatory Agenda 57 FR 52103 11/3/92	The 1990 CAA Amendments require EPA to issue control technique guidelines (CTGs) for 13 source categories within three years of enactment. Current CTGs being developed include, among others, those for industrial wastewater treatment, volatile organic liquid storage tanks, and use of clean-up solvents at industrial plants. The wood furniture, aerospace, and shipbuilding CTGs are on a later schedule.	CTGs for all except wood furniture, aerospace, and shipbuilding 11/93, CTGs for excepted categories 11/94.
120-213.00	Test Methods for Measurement of VOC Capture Efficiency	NOA 57 FR 61897 12/29/92	EPA announces the availability of draft revised test methods for measuring capture efficiency (CE) at coating and printing facilities equipped with a volatile organic compound (VOC) capture system and control device. Comments received will be considered in preparing a proposed rule.	NPRM undetermined.
*120-214.00	NSPS - Appendix A; Methods 18, 26, and 26A 40 CFR 60	NPRM 57 FR 62798 12/31/92 Corrections 58 FR 11709 2/26/93	EPA proposes revisions to Methods 18 and 26 and the addition of Method 26A to Appendix A. Method 18 will be revised to clarify the phrase "engineering judgment." Method 26 will be revised to add provisions for determining emissions of other hydrogen halides and halogens. Method 26A is proposed as an isokinetic version of Method 26.	Final rule undetermined.
*120-217.00	Acid Rain Program - National Allowance Data Base	NOA 58 FR 15720 3/23/93	EPA announces the availability of a revised version (Version 2.1) of the final National Allowance Data Base (NADB) and accompanying support documents. The NADB contains the data upon which the Agency bases allowance allocations and which the Agency will rely on for permitting and other compliance decisions.	
*120-218.00	Federal Use of Alternative Fueled Vehicles	Executive Order 58 FR 21885 4/23/93	The President issues Executive Order 12844, "Federal Use of Alternative Fueled Vehicles."	

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120-503.00	Recycling Program for Ozone-Depleting Substances (Refrigerant Recycling) 40 CFR 82	ANPRM 56 FR 18256 5/1/90 Proposed consent decree 57 FR 57230 12/3/92 NPRM 57 FR 58644 12/10/92	Under Sect. 608, EPA proposes standards and requirements regarding the use and disposal of Class I substances during the service, repair, or disposal of appliances and industrial process refrigeration that maximize recapture and recycling. EPA gives notice of a proposed consent decree concerning the litigation instituted against EPA for not promulgating the refrigerant recycling rule as yet. The decree would require EPA to promulgate a regulation by April 23, 1993.	Final rule 5/93.
120-506.00	Stratospheric Ozone - Product Ban 40 CFR 82	NPRM 57 FR 199 1/16/92 Final rule 58 FR 4768 1/14/93 Corrections 58 FR 8820 2/17/93	EPA bans the sale or distribution of products containing Class I chemicals that are determined to be nonessential. Specific consumer products listed in the CAA include party streamers, lens cleaners, and noise horns.	Effective 2/16/93 for products listed in 40 CFR 82.66(a) and (b); effective 1/17/94 for remainder of listed products.
120-507.00	Stratospheric Ozone Protection - Labeling 40 CFR 82	NPRM 57 FR 19166 5/4/92 Final rule 58 FR 8136 2/11/93	EPA establishes requirements for warning labels on containers of, and products containing or manufactured with, certain Class I and II ozone-depleting substances pursuant to Sect. 611 of the CAA.	Final rule effective 3/15/93. Labeling requirements for products manufactured with or containing Class I substances, and containers containing Class I or II substances effective 5/15/93; other requirements effective 1/1/2015.
*120-508.00	Stratospheric Ozone Protection - Federal Procurement 40 CFR 82	Proposed consent decree 57 FR 56339 11/27/92 NPRM 58 FR 19080 4/12/93 Executive Order 58 FR 21881 4/23/93	EPA proposes to require each department, Agency, and instrumentality of the U.S. to conform its procurement regulations to maximize the substitution of safe alternatives of ozone depleting substances. The President issues Executive Order 12843, "Procurement Requirements and Policies for Federal Agencies for Ozone-Depleting Substances."	Comments by 5/27/93. Final rule 12/93.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

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*120-509.00	Stratospheric Ozone - Class I and II Safe Alternatives 40 CFR 82	ANPRM 57 FR 1984 1/16/92 Planned NPRM 57 FR 52089 11/3/92	EPA will (1) make unlawful the replacement of any class I or II substance with a substitute that may cause adverse effects, (2) establish a process for publishing a list of safe and unsafe alternatives, (3) publish guidance on petitioning to add or remove a substance from the list, and (4) establish a program for submission of health and safety studies on substitutes.	NPRM signed week of 4/19/93; publish 5/93. Final rule 4/94.
*120-510.00	Stratospheric Ozone - Listing and Accelerated Phaseout of Class I Chemicals	NPRM 58 FR 15014 3/18/93	In response to petitions, EPA proposes to accelerate the schedule for phaseout of ozone-depleting chemicals and proposes regulations for implementing the amendments, adjustments, and decisions adopted by the parties to the Montreal Protocol at their November 1992 meeting. EPA also proposes to add methyl bromide and hydrobromofluorocarbons (HBFCs) to the list of Class I substances and to ban specified trade between the U.S. and foreign states not party to the Protocol.	Final rule 11/93 with an effective date of 1/1/94 except for Montreal Protocol trade provisions which will take effect 30 days after final promulgation.
*120-511.00	Stratospheric Ozone - Listing of Class I Chemicals 40 CFR 82	Planned NPRM 57 FR 52095 11/3/92	Sect. 602 requires EPA to list any chemical that has an ozone depleting potential greater than 0.2. EPA received a petition to list methyl bromide on 12/3/91.	Incorporated into 120-510.00 rulemaking initiative.
NUCLEAR WASTE POLICY ACT				
700-022.00	HLW Disposal in Geologic Repositories - EPA and NRC Conforming Amendments 10 CFR 60	NPRM 51 FR 22288 6/19/86 Regulatory Agenda 57 FR 52430 11/3/92	NRC proposes to conform its regulations for disposal of high-level radioactive wastes in geologic repositories to EPA standards as mandated by the NUPA.	On hold pending promulgation of revised HLW standards by EPA.
*700-069.00	Radiation Dose Criteria for Accidents at HLW Geologic Repositories (Design Basis Events) 10 CFR 60	Notice of receipt 55 FR 28771 7/13/90 Correction 55 FR 32639 8/10/90 Planned NPRM 57 FR 52434 11/3/92	NRC will propose to amend the regulations concerning radiation dose criteria. A central issue is the development of radiation dose criteria for a postulated accident that DOE would use to establish a limited access area for the high-level waste (HLW) geologic repository. In addition, a number of new definitions would be added.	NPRM 7/93; still at Commission.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*700-074.00	Definition of Term - High-Level Radioactive Waste 10 CFR 60	Petition for rulemaking 55 FR 51732 12/17/90 Denial of petition 58 FR 12342 3/4/93	NRC denies a petition, submitted by the states of Washington and Oregon, which deals with the process and criteria for classifying radioactive waste materials at defense facilities as high-level radioactive waste (HLW) or as non-HLW because NRC concludes that the principles for classification are well established and can be applied without revisions.	<u>Denial effective immediately.</u>
*700-078.00	Training and Qualification of Nuclear Power Plant Personnel 10 CFR 50 10 CFR 52	NPRM 57 FR 537 1/7/92 Final rule 58 FR 21904 4/26/93	NRC amends its regulations to require nuclear power plant licensees to establish, implement and maintain a safety training program for plant personnel based on a systems approach to training (SAT).	<u>Effective 5/26/93.</u>
*700-080.00	Approved Spent Fuel Storage Casks 10 CFR 72	NPRM 57 FR 28645 6/26/92 Notice 58 FR 5301 1/21/93 Final rule 58 FR 17948 4/7/93	NRC adds one additional cask, VSC-24, to the current list of four approved spent fuel storage casks certified and listed under 10 CFR 72. A licensee may choose from any of the listed casks to store spent fuel at the reactor site. The other cask, TN-24, will be addressed in a future rulemaking.	<u>Effective 5/7/93.</u>
		Notice 58 FR 19786 4/16/93	NRC places additional information in the public document room for the 6/26/92 proposal to add two casks to the list of approved spent fuel storage casks. The additional information pertains only to storage cask TN-24.	
*700-082.00	Fault Displacement Hazards in Geologic Repository Design	NOA 58 FR 14594 3/18/93	NRC announces the availability of the draft staff technical position on "Consideration of Fault Displacement Hazards in Geologic Repository Design" which addresses those situations in which faults of regulatory concern (Type I faults) exist at the location of systems, structures and components important to safety or waste isolation.	<u>Comments by 6/16/93.</u>

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
LOW-LEVEL RADIOACTIVE WASTE (LLW) POLICY AMENDMENTS ACT				
740-003.00	Environmental Protection Standards for LLW Disposal 40 CFR 193 40 CFR 764	ANPRM 48 FR 39563 8/31/83 Planned NPRM 57 FR 52061 11/3/92	EPA intends to develop environmental radiation protection standards and/or guides for low-level radioactive (possibly including natural and accelerator produced) waste disposal to protect the public health and general environment from potential adverse effects from this activity. Criteria triggering regulations are being considered.	NPRM 9/93. Final rule 9/94.
*740-021.00	Low-Level Waste Manifest Information and Reporting 10 CFR 20 10 CFR 61	NPRM 57 FR 14500 4/21/92 Regulatory Agenda 57 FR 52442 11/3/92	NRC proposes to (1) improve information contained in manifests accompanying shipments of waste to LLW disposal facilities; (2) establish a uniform manifest for national use; (3) require that LLW disposal site operators electronically store portions of this manifest information onsite; and (4) require that operators periodically submit, in an electronic format, reports of shipment manifest information. NRC also requests input on whether and how to establish a national data base for LLW.	Will develop schedule for final rule in late 6/93.
740-025.00	Conforming Guidance on LLW Disposal Facilities With 10 CFR 61 10 CFR 61	NPRM 57 FR 8093 3/6/92 Regulatory Agenda 57 FR 52445 11/3/92	NRC proposes to make changes to its licensing requirements for low-level radioactive waste disposal facilities to (1) clarify that 10 CFR 61 applies to above-ground disposal facilities, (2) replace the phrase "quality control program" with "quality assurance program," (3) update the Paperwork Reduction Act Statement in part 61.8, and (4) identify the correct NRC recipient of the licensees' annual reports.	Final rule undetermined.
740-027.00	Concentration Averaging and Encapsulation - Technical Position 10 CFR 61	NOA 57 FR 29105 6/30/92	NRC announces the availability of a proposed revision of the 1983 staff technical position on radioactive waste classification entitled "Technical Position on Concentration Averaging and Encapsulation" which provides guidance on the interpretation of 10 CFR 61 as it applies to classification of low-level radioactive waste.	Will issue a revised proposed position 5/93.
*740-028.00	Near-Surface Disposal of Low-Level Wastes (LLW) (New England Coalition Petition) 10 CFR 61	Petition for rulemaking 57 FR 32743 7/23/92	NRC announces that it has received a petition from the New England Coalition on Nuclear Power requesting that NRC amend its regulations in 10 CFR 61 concerning classification of LLW to restrict the numbers and types of waste streams which can be disposed of in near-surface disposal facilities. The petitioner believes these changes are necessary because of significant new information concerning inadvertent intrusion into such facilities.	Next action 7/93.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*740-029.00	Procedures and Criteria for On-Site Storage of Low-Level Radioactive Waste 10 CFR 30 10 CFR 40 10 CFR 50 10 CFR 70 10 CFR 72	NPRM 50 FR 6730 2/2/93	NRC proposes to amend its regulations for reactor material, fuel cycle, and independent spent fuel storage licensees to establish procedures and criteria that would apply to on-site storage of low-level radioactive waste beyond January 1, 1996.	Final rule undetermined.
ATOMIC ENERGY ACT				
EPA/NRC Guidance on Testing Mixed Radioactive and Hazardous Waste -- RU# 840-250.02				
Transportation Regulations - Compatibility with IAEA -- RU# 400-093.00				
100-016.00	Protection Requirements for Spent Fuel Shipments	NPRM 49 FR 23867 6/8/84	The rule modifies the present interim requirements for protection of shipments of irradiated reactor fuel cooled for 150 days or more. Present interim requirements will remain for fuel cooled less than 150 days.	Final rule postponed indefinitely.
100-018.00	Residual Radioactive Materials Cleanup - Radiation Protection Criteria 40 CFR 194	ANPRM 51 FR 22264 6/18/86 Planned NPRM 57 FR 52061 11/3/92	EPA is developing public health and environmental radiation protection criteria for cleanup of residual radioactivity at decommissioned sites. Licensees of the NRC or Agreement States; sites owned or used by DOE, DOD, the former AEC, and the former Manhattan Engineering District; and sites where natural and accelerator-produced radioactive materials have been used would be affected.	NPRM undetermined; no schedule for action.
100-021.00	Exposure Limits for Transuranics	NPRM 42 FR 60956 11/30/77 Regulatory Agenda 57 FR 52061 11/3/92	EPA proposes interim guidance to federal agencies to limit radiation doses to the general population from transuranic elements present in the environment.	On hold; no action planned at this time.
100-033.00	Explanation to Table S-3, Uranium Fuel Cycle Environmental Data 10 CFR 51	NPRM 46 FR 15154 3/4/81 Regulatory Agenda 57 FR 52429 11/3/92	NRC proposes a narrative explanation of the numerical values of Table S-3, "Table of Uranium Fuel Cycle Environmental Data," which appears in the NRC environmental protection regulations. Values for radon-222 and technetium-99 will be added.	Final rule 5/93.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
100-039.00	Residual Radioactive Decontamination Limits for Decommissioning 10 CFR 20	NOA 55 FR 6137 2/21/90 Notice; NOA 57 FR 58727 12/11/92	NRC will establish residual radioactive contamination limits that must be met before buildings, structures, equipment, materials, and land may be released and the license terminated. NRC announces workshops as part of an enhanced participatory rulemaking on establishing the radiological criteria for decommissioning NRC-licensed facilities. NRC also makes available a rulemaking issues paper.	Comments on issues paper by 5/28/93. NPRM 10/93. Final rule 10/94.
*100-041.00	Standards for Protection Against Radiation 10 CFR 19 10 CFR 20	ANPRM 45 FR 18023 3/20/80 NPRM 51 FR 1092 1/9/86 Notice 55 FR 18689 5/3/90 Final rule 56 FR 23360 5/21/91 Correction 56 FR 23956 5/24/91 Corrections 56 FR 61352 12/3/91 NPRM 57 FR 21216 5/19/92 Notice 57 FR 23929 6/5/92 Correction 57 FR 27845 6/22/92 Final rule 57 FR 38588 8/26/92 Final rule amendment 57 FR 57877 12/8/92 Notice 58 FR 18427 4/9/93	NRC revises its requirements for protection of individuals exposed within and outside the workplace to ionizing radiation from normal operations licensed by the NRC. The revision reflects current data on health risks, dosimetry, and radiation protection practices. NRC also issues a notice to confirm the effective dates for the information collection requirements (ICRS) of the 5/21/91 final rule and extends until 1/1/94 the implementation date for these revised standards. NRC makes minor corrective and conforming amendments to its 8/26/92 final rule on standards for protection against radiation.	Final rule of 5/21/91 effective 6/20/91. Amendment of 12/8/92 effective 12/8/92. Implementation deferred until 1/1/94.
			NRC announces it has sent to OMB for review the information collection requirements under revised 10 CFR 20, "Standards for Protection Against Radiation."	

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
100-053-00	Criteria for Extraordinary Nuclear Occurrence 10 CFR 140	NPRM 50 FR 13978 4/9/85 Regulatory Agenda 57 FR 52430 11/3/92	NRC is considering revising the criteria for an "extraordinary nuclear occurrence." The changes are designed to avoid the problems encountered by the NRC in applying existing criteria to Three Mile Island.	Final rule 9/93.
*100-129-00	Environmental Standards for the Management and Disposal of Spent Nuclear Fuel, HLW, and TRU Radioactive Wastes 40 CFR 144 40 CFR 191	NPRM 58 FR 7924 2/10/93	EPA proposes environmental standards for the disposal of spent nuclear fuel, high-level, and transuranic radioactive wastes. EPA also proposes additional UIC regulations, in response to the 1987 court action which remanded the Subpart B standards, in order to make it clear that compliance with 40 CFR 191 Subparts B and C will constitute compliance with SDWA UIC regulations.	Final rule 2/94.
100-129-01	Criteria for Certification of Compliance with Environmental Standards for Spent Nuclear Fuel, HLW, and TRU Wastes 40 CFR 194	Notice 58 FR 13731 3/15/93	EPA announces the availability of a toll free telephone number (800-331-WIPP) to access updated information on this proposed rulemaking activity.	Call 1-800-331-WIPP for information.
		ANPRM 58 FR 8029 2/11/93	EPA will propose criteria for certifying compliance with 40 CFR 191 (see RU# 100-129-00) pursuant to its authority under the WIPP Land Withdrawal Act.	NPRM 11/93. Final rule 11/94.
100-157-00	Transportation Regulations - Compatibility with IAEA 10 CFR 71	NPRM 53 FR 21550 6/8/88 Corrections 53 FR 23484 6/22/88 Regulatory Agenda 57 FR 52431 11/3/92	NRC proposes to revise its regulations for transportation of radioactive material to make them compatible with those of the IAEA. The basic standards for packaging will remain unchanged, and the transport of low-specific-activity radioactive material is considered. NRC also proposes to include the criteria for approval of packages for air transport of plutonium in 10 CFR 71 (see comparable DOT regulation RU# 400-093).	Final rule 5/93.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*100-179.01	Fitness-for-Duty Programs for Category I Fuel Facilities and Shipments 10 CFR 26	NPRM 57 FR 18415 4/30/92 Regulatory Agenda 57 FR 52444 11/3/92	NRC proposes to amend the Commission's fitness-for-duty regulations to include Category I fuel facilities and Category I shipments.	<u>Final rule 5/93.</u>
100-187.00	Licenses and Radiation Safety Requirements for Large Irradiators 10 CFR 170 10 CFR 19-20 10 CFR 30 10 CFR 36 10 CFR 40 10 CFR 51 10 CFR 70	NPRM 55 FR 50008 12/4/90 Final rule 58 FR 7715 2/9/93	NRC establishes a new part 36 to specify radiation safety requirements and licensing requirements for the use of licensed radioactive materials in large irradiators.	Effective 7/1/93.
100-214.00	Nuclear Power Plant Structures, Systems, and Components 10 CFR 50	ANPRM 54 FR 9229 3/6/89 Planned NPRM 57 FR 52442 11/3/92	NRC is proposing to develop regulations requiring enhanced acceptance procedures including, but not limited to, receipt inspection and testing of products purchased for use in nuclear power plant structures, systems, and components.	All action suspended; will be withdrawn.
100-216.00	Guidance on Management Controls/ Quality Assurance, Requirements for Operation, Chemical Safety, and Fire Protection for Fuel Cycle Facilities	Proposed guidance 54 FR 11590 3/21/89 Notice 57 FR 35607 8/10/92	NRC proposed four branch technical positions on management controls/quality assurance, requirements for operation, chemical safety, and fire protection for fuel cycle facilities. NRC issued the revised final "Technical Position on Fire Protection for Fuel Cycle Facilities." Final technical position papers on the other topics have not been issued yet.	Final action on other technical position papers undetermined; no schedule for action.
*100-222.00	Code and Standards for Nuclear Power Plants 10 CFR 50	Planned NPRM 57 FR 52427 11/3/92	NRC will incorporate by reference Subsection IWE, "Requirements for Class MC Components of Light-Water Cooled Power Plants," and Subsection IWL, "Requirements for Class CC Concrete Components of Light-Water Cooled Power Plants," of Sect. XI of the ASME Code.	<u>NPRM undetermined.</u>

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
100-224.00	Primary Reactor Containment Leakage Testing for Water-Cooled Reactors 10 CFR 50	NPRM 51 FR 39538 10/29/86 Regulatory Agenda 57 FR 52429 11/3/92	NRC proposes to update and revise the 1973 criteria for preoperational and periodic pressure testing for leakage of primary containment boundaries of water-cooled power reactors in order to eliminate inconsistencies and obsolete requirements.	Final rule 6/93; still at Commission.
100-233.00	Acceptability of Plant Performance for Severe Accidents 10 CFR 50	ANPRM 57 FR 44513 9/28/92	NRC announces that it is considering an amendment to its regulations for future light water reactors to address the ability of the plants to withstand challenges from phenomena associated with severe core damage accidents.	NPRM 8/93.
100-249.00	Requirements for Possession of Industrial Devices 10 CFR 31 10 CFR 32	NPRM 56 FR 67011 12/27/91 Regulatory Agenda 57 FR 52443 11/3/92	NRC proposes to amend the regulations for the possession of industrial devices containing byproduct material to require device users to report to the NRC on a periodic basis if the device is still in use or to whom the device has been transferred to assure that devices are not improperly transferred or inadvertently discarded.	Final rule 6/93.
*100-252.00	Import and Export of Radioactive Waste 10 CFR 110	ANPRM 55 FR 4181 2/7/90 NPRM 57 FR 17859 4/28/92 Regulatory Agenda 57 FR 52432 11/3/92	NRC proposes to amend its licensing requirements regarding the import and export of radioactive wastes to conform U.S. policies to the international voluntary Code of Practice to guide nations in the development and harmonization of policies and laws on the international transboundary movement of radioactive waste.	Final rule 7/93.
100-258.00	Emergency Preparedness Regulations - Part 52 Licensing 10 CFR 50	NOA 56 FR 12734 3/27/91 Planned NPRM 57 FR 52433 11/3/92	NRC will propose a rule to amend the regulations concerning those portions of emergency plans which cannot be exercised prior to issuance of a Part 52 combined license. This rulemaking will be accomplished on a "high priority basis."	NPRM to be withdrawn.

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*100-258.01	Emergency Preparedness Regulations - Exercise Requirements 10 CFR 50	Planned NPRM 57 FR 17738 11/3/92	NRC will propose to clarify the linkage between the need for "reasonable assurance that adequate protective measures can and will be taken in the event of a radiological emergency" indicated in Sect. 50.47(a) and 16 planning standards outlined in Sect. 50.47(b). In addition, this rule will clarify the term "range of protective" actions and the issues of monitoring of the evacuees, actions for recovery and reentry, notification of the public, evacuation time estimates, and exercise frequency.	<u>NPRM 7/93.</u>
100-265.00	Nuclear Plant License Renewal - Environmental Effects 10 CFR 51	ANPRM 55 FR 29964 7/23/90 NOI 55 FR 29967 7/23/90 NPRM 56 FR 47016 9/17/91 NOA 56 FR 47500 9/19/91 Regulatory Agenda 57 FR 52434 11/3/92	NRC proposes to amend its regulations to add provisions concerning the scope of environmental effects which would be addressed by the Commission in conjunction with applications for operating license renewal for nuclear power plants.	Final rule 3/94.
*100-275.00	Import and Export of Nuclear Equipment and Material 10 CFR 110	Notice 55 FR 53596 12/31/90 Final rule 58 FR 12999 3/9/93	NRC amends its regulations pertaining to export and import of nuclear equipment and material to make them consistent with the physical security guidelines in IAEA INFCIRC/225, and conforms them to the Solar, Wind, Water, and Geothermal Power Production Incentives Act of 1990 and U.S. government foreign relations commitments and changing circumstances.	<u>Direct final rule effective 3/9/93. NPRM Published 3/17/93 under RU# 100-316.00.</u>
*100-276.00	Timeliness in Decommissioning of Material Facilities 10 CFR 30 10 CFR 40 10 CFR 70 10 CFR 72	NPRM 58 FR 4099 1/13/93	NRC proposes to establish specific time periods for decommissioning unused portions of operating nuclear materials facilities and for decommissioning the entire site upon termination of operations. NRC also proposes to require a description of site conditions as part of the decommissioning plan information.	<u>Final rule 4/94.</u>

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*100-284.00	Radiation Protection of the Public and Environment 10 CFR 834	Notice 56 FR 67066 12/27/91 NPRM 58 FR 16268 3/25/93	DOE proposes radiation protection requirements for the public and environment for DOE and DOE contractor operations, including a dose limitation system for the protection of the public, requirements for liquid discharges, reporting and monitoring requirements, and residual radioactive material requirements.	Comments by 6/22/93. Final rule 3/94.
*100-288.00	Decommissioning Recordkeeping and License Termination - Documentation 10 CFR 30 10 CFR 40 10 CFR 70 10 CFR 72	NPRM 56 FR 50524 10/7/91 Regulatory Agenda 57 FR 52444 11/3/92	NRC proposes to require licensees to prepare and maintain additional documentation for the purpose of ensuring proper decontamination and decommissioning procedures.	Final rule 6/93.
*100-289.00	Radiation Protection for Occupational Workers 10 CFR 835	NPRM 56 FR 64334 12/9/91 Notice 56 FR 67066 12/27/91 Regulatory Agenda 57 FR 51268 11/3/92	DOE proposes primary standards that would be applicable to the control of radiation exposures to occupational workers from normal operations under the control of DOE and DOE contractor personnel.	Final rule 7/93.
100-290.00	Nuclear Safety Management 10 CFR 830	NPRM 56 FR 64316 12/9/91 Clarification of NPRM 57 FR 20796 5/15/92 Regulatory Agenda 57 FR 51268 11/3/92	DOE proposes the addition of a new part to its regulations establishing a body of rules for DOE contractor and subcontractor activities that will form the basic requirements for ensuring nuclear safety at DOE facilities. The body of rules will include conduct of operations, occurrence reporting, safety analysis and requirements, training, certification, and maintenance.	Final rule 7/93.
100-291.00	Agreement State Programs - Compatibility with NRC Programs	Request for comments 56 FR 66457 12/23/91	NRC is reviewing its practices concerning the compatibility of Agreement State Programs with NRC Regulatory Programs and requests comments and recommendations on how to assure this.	Either guidance or an NPRM to be issued by 3/94.

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100-293.00	NUREG Reports Availability	NOA 57 FR 49727 11/3/92	NRC announces the availability of NUREG/CR-5512, "Residual Radioactive Contamination From Decommissioning: Volume 1, Technical Basis For Translating Contamination Levels to Annual Total Effective Dose Equivalent," designed to provide screening models, mathematical formulations for the models, and reference parameter values for estimating doses, above natural background, to individuals from residual radioactivity at decommissioned facilities.	Next action undetermined.
*100-293.01	NUREG Reports Availability - Conducting Radiological Surveys	NOA 57 FR 33374 7/28/92	NRC announces the availability of draft NUREG/CR-5849, "Manual for Conducting Radiological Surveys in Support of License Termination."	Final document publication date 5/94.
*100-297.00	Nuclear Safety Management - Phase II 10 CFR 830	Planned NPRM 57 FR 51267 11/3/92	DOE will propose Phase II rules, applicable to DOE contractor and subcontractor activities, to ensure nuclear safety at DOE facilities. The rules relate to safety concern management, reactor design criteria, seismic and environmental qualifications, fire protection, personnel training, emergency preparedness, safety responsibility, and contractor oversight.	NPRM 9/93.
*100-298.00	Physical Protection Requirements at Fixed Sites 10 CFR 73	NPRM 57 FR 22670 5/29/92 Final rule 58 FR 13699 3/15/93	NRC amends its general physical protection requirements for fixed sites to make it clear that the regulations do not require protection against both radiological sabotage and theft of special nuclear material at all facilities, and adds a requirement that nonpower reactor licensees who operate at or above 2 megawatts thermal protect against radiological sabotage.	Effective 4/16/93.
*100-303.00	Nuclear Power Plants - Reactor Site Criteria 10 CFR 100 10 CFR 50 10 CFR 52	NPRM 57 FR 47802 10/20/92 Comment period extended 58 FR 16377 3/26/93	In response to a petition, NRC proposes to update the criteria used in decisions regarding power reactor siting including geologic, seismic, and earthquake engineering considerations for future nuclear power plants. The Commission also proposes to deny the remaining issue in a petition filed by Free Environment, Inc. and others.	Final rule undetermined. Comments by 6/1/93.
100-304.00	Licensing of Source Material 10 CFR 40	ANPRM 57 FR 48749 10/28/92	NRC is considering amending its regulations governing the licensing of source material and mill tailings to improve control of source material and to update the applicable requirements to conform with the revised standards for protection against radiation.	NPRM undetermined.

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*100-306.00	Accessible Air Gap For Generally Licensed Devices 10 CFR 31 10 CFR 32	NPRM 57 FR 56287 11/27/92	NRC proposes a rule to provide for additional regulatory control over devices with both an accessible air gap and radiation levels that exceed specified values to make it more difficult for personnel to obtain access to the gauge's radiation beam, thereby reducing unnecessary exposure.	<u>Final rule undetermined.</u>
100-307.00	Fracture Toughness Requirements for LWR Pressure Vessels 10 CFR 50	Planned NPRM 57 FR 52434 11/3/92	NRC will propose a rule to amend the Commission's regulations concerning fracture toughness requirements to resolve issues that have resulted from technological improvements, including the pressurized thermal shock rule, ferritic materials of pressure-retaining components, and RPV material surveillance.	NPRM 11/93. Final rule 11/94.
100-309.00	Availability of Official Records 10 CFR 2	NPRM 57 FR 61013 12/23/92	NRC proposes to amend its regulations pertaining to the availability of official records to conform the regulations to existing case law and agency practice.	Final rule 12/93.
*100-312.00	Low Specific Activity Wastes Contaminated with Special Nuclear Material - Exemption 10 CFR 150	Petition for rulemaking 58 FR 9552 2/22/93	NRC publishes a petition for rulemaking filed by Envirocare of Utah, Inc. requesting the NRC to revise its regulations to exempt those persons who generate or dispose of very low specific activity wastes contaminated with special nuclear materials that are not capable of forming a critical reaction.	<u>Action date for response to petition undetermined.</u>
*100-313.00	Emergency Response Training Activities for Transportation of TRU Waste to WIPP	NOA 58 FR 12946 3/8/93	DOE announces the availability of a report describing emergency response training efforts as of 9/30/92 in preparation for shipment of TRU waste to the WIPP. The report will be updated annually to document the continuing WIPP emergency response training and equipment activities.	<u>Final rule 3/94.</u>
*100-314.00	Assistance to Foreign Atomic Energy Activities 10 CFR 810	NPRM 58 FR 13427 3/11/93	DOE proposes to amend its regulations concerning unclassified assistance to foreign atomic energy activities to enhance the operational safety of existing civilian nuclear power reactors in foreign countries.	
*100-315.00	Nuclear Cooperation with EURATOM	Executive Order 58 FR 13401 3/11/93	Under the AEA, the President issues Executive Order 12840 to continue peaceful nuclear cooperation with the European Atomic Energy Community.	

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*100-316.00	Licensing of Exports of Alpha-Emitting Radionuclides and Byproduct Material 10 CFR 110	NPRM 58 FR 14344 3/17/93	NRC proposes to amend its general licenses for the export of special nuclear material to conform the U.S. export controls to international guidelines and treaty obligations. NRC also proposes that Appendix A to Part 110 be restructured for clarification and to emphasize the distinction between nuclear reactor equipment controlled by NRC and DOE.	<u>Comments by 4/16/93, if possible, but will accept comments after that time.</u>
*100-317.00	Policy and Procedures for NRC Enforcement Actions 10 CFR 2	Policy statement 58 FR 14308 3/17/93	NRC modifies its enforcement policy in 10 CFR 2 to describe more fully the circumstances in which it may exercise discretion in enforcement actions.	<u>Effective 3/17/93.</u>
URANIUM MILL TAILINGS RADIATION CONTROL ACT				
Radionuclides NESHAPs - Subpart T Rescinded for Uranium Mill Tailings Sites -- RU# 120-118.06				
*930-029.00	Groundwater Protection Standards for Inactive Uranium Tailing Sites 40 CFR 192	NPRM 52 FR 36000 9/24/87 Regulatory Agenda 57 FR 52062 11/3/92	EPA proposes standards for preventing groundwater contamination at inactive uranium processing sites. The rule will replace the remanded groundwater provisions of the final rule of 1/5/83 for remedial action.	<u>Final rule undetermined.</u>
930-034.00	Uranium Mill Tailing Sites - Remedial Action Program and Annotation of Land Records 10 CFR 764	NPRM 54 FR 29732 7/14/89 Regulatory Agenda 56 FR 53248 10/21/91	DOE proposes to clarify the obligation of certain states to annotate local land records so as to ensure that future purchasers of remediated properties will be notified of the extent of the remedial work.	Final rule 9/93.
*930-038.00	Health and Environmental Standards for Uranium Mill Tailings 40 CFR 192	ANPRM 56 FR 67569 12/31/91	EPA will propose to amend Subpart D to require enforceable closure deadlines and appropriate monitoring for uranium mill tailing disposal sites that are licensed by the NRC or one of its Agreement States.	<u>NPRM 5/93. Final rule 10/93.</u>

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
TOXIC SUBSTANCES CONTROL ACT				
	Containerized Liquids in Landfills -- RU# 840-024.00			
	Toxic Chemical Release Reporting - Addition of Chemicals; SMUR -- RU# 190-064.00			
920-053.00	Negotiated Consent - Procedural Test Rules 40 CFR 790	Planned NPRM 57 FR 52044 11/3/92	EPA plans to propose appropriate procedural changes to reduce the resources required for consent order negotiation.	NPRM 12/93.
*920-064.00	Comprehensive Assessment Information Rule 40 CFR 704	Planned NPRM 57 FR 52048 11/3/92	EPA is considering revision of the Comprehensive Assessment Information Rule (CAIR) to establish exemptions for small and "de minimis" volumes, refine trade name reporting requirements, reduce certain advance substantiation requirements for Confidential Business Information (CBI) claims, and define processing activities using processor subclasses.	<u>NPRM 7/93.</u>
*920-073.01	PCBs Storage for Disposal - Notification Requirements 40 CFR 761	NPRM 58 FR 6184 1/26/93 Correction 58 FR 12352 3/4/93 Correction 58 FR 13128 3/9/93	EPA proposes to amend one of the criteria in 40 CFR 761 which serves as a basis for EPA granting approval to engage in the commercial storage of PCB waste.	Final rule 1/94.
920-076.00	Termination of PCBs Storage and Disposal Approvals 40 CFR 761	NPRM 55 FR 46470 11/2/90 Regulatory Agenda 57 FR 52050 11/3/92	EPA proposes a rule establishing criteria and procedures for the suspension and revocation of PCB storage and disposal approvals.	Final rule on hold.
*920-092.00	Chemical Test Data	Notice 58 FR 21302 4/20/93	EPA announces the receipt of chemical test data on pentabromodiphenyl oxide and 4-vinylcyclohexene submitted pursuant to a final test rule and a testing consent order.	

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

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920-096.01	PCBs - Commerce Exemptions 40 CFR 750 40 CFR 761	NPRM 57 FR 7349 3/2/92 Regulatory Agenda 57 FR 52042 11/3/92	EPA proposes to grant three and deny two petitions for exemption from the prohibition against the manufacture, processing, and distribution in commerce of PCBs. EPA also proposes to amend the interim procedural rules to require submission of a certified letter at least six months prior to the expiration date of an exemption for which the petitioner wants the exemption to continue.	Final rule 6/93.
920-113.00	SARA Section 110 Chemicals Generic Test Rule 40 CFR 799	Planned NPRM 57 FR 52044 11/3/92	This regulation will set forth the policies and procedures for using the TSCA Sect. 4 testing authority to obtain toxicity and chemical fate testing to fill certain data needs identified in toxicity profiles of chemicals prepared pursuant to SARA.	NPRM 9/93.
920-119.00	PCBs - Wet Weight, Dry Weight Clarification 40 CFR 761	NPRM 55 FR 12866 4/6/90 Regulatory Agenda 57 FR 52051 11/3/92	EPA proposes to amend the PCB regulations final rule of 7/10/84 (49 FR 28171) by adding the phrase "on a dry weight basis" to Sect. 761.1(b).	Reproposed NPRM 7/93. Final rule 7/94.
*920-123.00	Drinking Water Chemicals Proposed Test Rule 40 CFR 799	NPRM 55 FR 21393 5/24/90 NOA 57 FR 14371 4/20/92 Regulatory Agenda 57 FR 52049 11/3/92	EPA proposes a test rule under Sect. 4 of TSCA that would require manufacturers and processors to test the following substances for certain health effects: chloroethane, 1,1-dichloroethane, 1,1,2,2-tetrachloroethane, n-propylbenzene, and 1,3,5-trimethylbenzene. EPA also proposes a new testing guideline for a 14-day repeated dose oral toxicity study.	Final rule 9/93.
920-125.00	PCBs Disposal Amendments 40 CFR 761	ANPRM 56 FR 26738 6/10/91 NOA 56 FR 26745 6/10/91 Planned NPRM 57 FR 52047 11/3/92	EPA is considering amending its TSCA PCB disposal regulations to address (1) alternative disposal methods to those currently permitted which do not pose an unreasonable risk of injury to human health and the environment, (2) classes of PCBs not contemplated by the disposal regulations, and (3) regulatory requirements for existing classes of PCBs and PCB items.	NPRM 7/93.

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*920-127.00	Environmental Hazard Communication Rule CFR undetermined	Planned ANPRM 57 FR 52042 11/3/92	The Office of Toxic Substances will propose to require Environmental Hazard Communication (EHC) with the sale of commercial chemicals, probably in the form of requiring that environmental information be included on Material Safety Data Sheets (MSDS) whenever the information is available.	Action 6/93; rulemaking will be withdrawn and substituted with a voluntary program.
920-129.00	TSCA Section 4(a)(1)(B) Policy ("Exposure" Rule) 40 CFR 799	Proposed policy statement 56 FR 32294 7/15/91 Regulatory Agenda 57 FR 52049 11/3/92	EPA proposes standards and criteria it intends to use in interpreting its legal authority to make findings under TSCA Sect. 4(a)(1)(B)(i) for determining substantial production, release to the environment in substantial quantities, and substantial or significant human exposure.	Final policy statement still at OMB; may be summer before released.
*920-130.00	Metabolism and Pharmacokinetic Test Guideline 40 CFR 798	NPRM 56 FR 32537 7/17/91	EPA proposes to establish a test guideline for generating metabolism and pharmacokinetic data. This joint guideline would harmonize the pharmacokinetics testing guidelines of the Office of Toxic Substances and the Office of Pesticide Programs and assist EPA in developing health effects test data standards for testing chemicals under TSCA and FIFRA.	Final rule at OMB; publication date undetermined.
*920-132.00	PCB Transformer Reclassification Rule 40 CFR 761	Planned NPRM 57 FR 52048 11/3/92	EPA will modify the current reclassification requirements of 50 degrees centigrade temperature and 90-day testing for PCB transformers because results of a preliminary analysis indicate many transformers never reach the required temperature but still reduce PCB concentrations to risk-free levels.	NPRM 6/93; at OMB. Final Rule 6/94.
*920-134.00	PAIR and Health and Safety Data Reporting - Addition of Chemicals 40 CFR 712 40 CFR 716	Final rule 58 FR 13556 3/12/93	EPA adds one substance, white phosphorus, and one category of chemical substances, alkyl-,chloro-,hydroxymethyl diaryl ethers, to its Sect. 8(a) Preliminary Assessment Information Rule (PAIR) and its Sect. 8(d) Health and Safety Data Reporting Rule.	Effective 4/12/93.
*920-135.00	PCBs - Use of Waste Oil 40 CFR 761	Final rule 58 FR 15435 3/23/93	EPA replaces the references in 40 CFR 761.20(e) to reflect recent changes made under RCRA regarding the use of waste oil containing PCBs.	Effective 3/23/93.
*920-136.00	TSCA Inventory - Intent to Remove 39 Chemical Substances	NOI 58 FR 19251 4/13/93	EPA announces its intent to remove 39 chemical substances from the TSCA Chemical Substances Inventory. EPA feels they were incorrectly reported and listed.	Comments by 5/28/93.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
HAZARDOUS MATERIALS TRANSPORTATION ACT				
Transportation Regulations - Compatibility with IAEA -- RU# 100-157.00				
400-014.00	Railroad Shipment of Hazardous Material - Use of Cargo Tanks, Portable Tanks, and Multi-Unit Tank Car Tanks 49 CFR 171 49 CFR 174	ANPRM 50 FR 18278 4/30/85 Extension of existing approvals 56 FR 8388 2/28/91 Planned NPRM 57 FR 51761 11/3/92	The Federal Railroad Administration (FRA) and RSPA will propose to permit the use of portable tanks and IM portable tanks to transport certain hazardous materials that pose a relatively low or moderate hazard in container-on-flatcar (COFC) service by rail without obtaining prior approval from the FRA.	Extension of existing approvals effective 3/1/91. NPRM 7/93.
*400-033.01	Performance-Oriented Packaging Standards - Infectious Substances 49 CFR 171 49 CFR 172 49 CFR 173	Compliance date extended 58 FR 12182 3/3/93 ANPRM 58 FR 12207 3/3/93	In response to petitions, RSPA extends the compliance date in the final rule of 12/20/91 (56 FR 66124) applicable to performance-oriented packaging standards for infectious substances from 4/1/93 to 1/1/94. In response to petitions, RSPA intends to reexamine the Hazardous Material Regulations (HMR) for infectious substances, including medical wastes, issued as part of a final rule on 12/20/91, to address issues and comments received on the need for additional action.	Compliance date for infectious substances 1/1/94. NPRM undetermined.
*400-039.00	Pipeline Operator Qualifications 49 CFR 192 49 CFR 195	ANPRM 52 FR 9189 3/23/87 Planned NPRM 57 FR 51756 11/3/92	RSPA is considering the need to develop additional regulations governing training and qualification of persons that operators hire to design, construct, operate, or maintain pipeline facilities used in transport of gas or hazardous materials.	NPRM 5/93.
*400-040.00	Transportation of Hazardous Materials - Miscellaneous Amendments 49 CFR 171-178	NPRM 56 FR 37505 8/7/91 Regulatory Agenda 57 FR 51764 11/3/92	RSPA proposes several amendments to update and simplify the Hazardous Materials Regulations.	Final rule 8/93.

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400-044.00	Hazardous Materials - Intrastate Commerce 49 CFR 171-179	ANPRM 52 FR 24195 6/29/87 Planned NPRM 57 FR 51756 11/3/92	DOT is considering extending the application of its hazardous material regulation to all intrastate transportation of hazardous materials in commerce.	NPRM 5/93.
400-057.00	Railroad Shipment of Hazardous Waste - Defects of Tank Car Tanks 49 CFR 173	ANPRM 52 FR 46510 12/8/87 Planned NPRM 57 FR 51759 11/3/92	This would clarify existing inspection requirements for tank car tanks; add new inspection requirements for thermal protection on tank car tanks; permit the use of new inspection techniques for tank cars transporting low vapor pressure commodities in lieu of periodic hydrostatic retests; and establish minimum in-service tank thickness requirements.	NPRM 6/93. Final rule 6/94.
400-061.00	Highway Routing Standards for Hazardous Materials 49 CFR 397	ANPRM 53 FR 11618 4/7/88 NPRM 57 FR 39522 8/31/92 Regulatory Agenda 57 FR 51707 11/3/92	FHWA proposes routing criteria, requirements, and methodologies for states and Indian tribes to follow when analyzing alternative routes for highway transport of non-radioactive hazardous materials.	Final rule 5/93.
*400-062.00	Registration of Shippers and Carriers of Hazardous Materials 49 CFR 107 49 CFR 171	NPRM 56 FR 51294 10/10/91 Final rule 57 FR 30620 7/9/92 Technical revision 58 FR 12543 3/5/93	RSPA establishes a national registration program for certain shippers and carriers of hazardous materials and certain hazardous materials package manufacturers. RSPA also establishes a program to assess and collect an annual fee to fund a nationwide emergency response training and planning grant program. RSPA issues technical revisions to the registration program applicable to persons transporting or offering for transport certain hazardous materials.	Effective 8/31/92. Revisions effective 3/5/93.
*400-063.00	Excavation Damage-Prevention Programs for Pipelines 49 CFR 192 49 CFR 195	NPRM 53 FR 24747 6/30/88 Regulatory Agenda 57 FR 51763 11/3/92	OPS, RSPA, and DOT propose to require operators of buried onshore gas, hazardous liquid, and carbon dioxide pipelines to conduct excavation damage prevention programs in accordance with criteria adopted previously for gas pipeline damage prevention programs.	Interim final rule 5/93. Supplemental NPRM 5/93.

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400-064.00	Maps and Records of Pipeline Location and Characteristics - State Notification 49 CFR 192 49 CFR 195	Planned NPRM 57 FR 51756 11/3/92	As part of a continuing policy to adopt similar safety requirements for gas and hazardous liquid pipelines, this action will propose to equalize the requirements that gas and liquid operators keep maps and records to show the location and other characteristics of pipelines and will require them to provide this information to state agencies upon request.	NPRM 5/93. Final rule 5/94.
*400-073.00	Implementation of the ICAO's Technical Instructions 49 CFR 171 49 CFR 172 49 CFR 175	NPRM 55 FR 46839 11/7/90 Supplemental NPRM 57 FR 1891 1/16/92 Regulatory Agenda 57 FR 51766 11/3/92	RSPA proposes to amend its regulations in order to permit the offering, acceptance, and transportation by aircraft of hazardous materials shipments conforming to the most recent ICAO technical instructions. RSPA also issues a supplemental proposed rule to amend the HMR by adding four provisions relating to the transport of hazardous materials by aircraft.	Final rule 8/93.
*400-080.00	Marine Transport of Bulk Solid Hazardous Materials 49 CFR 148	ANPRM 54 FR 18308 4/28/89 Notice 55 FR 11481 3/28/90 Regulatory Agenda 57 FR 51651 11/3/92	DOT will propose to incorporate into 46 CFR 148 the Coast Guard's and the International Maritime Organization's requirements for shipping certain frequently carried hazardous bulk solids, to eliminate paperwork for both the Coast Guard and the shipping industry and to harmonize domestic regulations with international standards.	NPRM 8/93. Final rule 8/94.
400-093.00	Transportation Regulations - Compatibility with IAEA 49 CFR 171-178	NPRM 54 FR 47454 1/14/89 NOA 54 FR 48054 11/20/89 Regulatory Agenda 57 FR 51765 11/3/92	RSPA proposes to revise its regulations to make them compatible with those of the IAEA for the safe transport of radioactive materials (see comparable NRC regulation RU# 100-157).	Final rule 5/93.

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400-095.00	Elevated Temperature Materials 49 CFR 171 49 CFR 172 49 CFR 173	NPRM 54 FR 38930 9/21/89 Final rule 56 FR 49980 10/2/91 Compliance date delayed 56 FR 67542 12/31/91 Final rule amendment 58 FR 3344 1/8/93	RSPA amends the HMR to regulate materials which pose a hazard due to their being transported at elevated temperatures. Materials include those in a liquid phase having temperatures at or above 212 degrees F or having a flash point at or above 100 degrees F and those in a solid phase having temperatures at or above 464 degrees F. In response to petitions for reconsideration, RSPA amends the final rule to provide regulatory relief from certain packaging requirements for asphalt kettles and authorizes continued use of certain packaging now in service for the transportation of elevated temperature materials.	Final rule effective 3/30/92. Amendment effective 1/8/93. Classification and hazard communication requirements effective 10/1/93. Placarding requirements effective 10/1/94. Packaging closure requirements effective 3/30/95.
*400-097.00	Transportation of Hydrogen Sulfide by Pipeline 49 CFR 192	ANPRM 54 FR 24361 6/7/89 NPRM 56 FR 11490 3/18/91 Regulatory Agenda 57 FR 51765 11/3/92	RSPA proposes to: (1) prohibit operators from transporting in a transmission line downstream of gas processing plants, sulfur recovery plants, or storage fields, natural gas containing more than a designated amount of H ₂ S; (2) require that the release of a designated excess of H ₂ S be reported to DOT; and (3) require that onshore/offshore gathering lines carrying a designated excess of H ₂ S have a contingency plan in place in case of a release of the gas.	To be withdrawn 10/93.
*400-099.00	Gas Pipelines Corrosion 49 CFR 192	NPRM 54 FR 27041 6/27/89 Regulatory Agenda 57 FR 51765 11/3/92	RSPA proposes to require gas pipeline operators who must now inspect for corrosion on buried metallic pipe that is exposed to investigate further to determine the full extent of any corrosion that is found.	Final rule 10/93.
*400-110.00	Hydrostatic Pressure Testing of Hazardous Liquid Pipelines 49 CFR 195	NPRM 56 FR 23538 5/22/91 Regulatory Agenda 57 FR 51762 11/3/92	RSPA proposes to extend hydrostatic testing or the alternative reduction in maximum operating pressure to all hazardous liquid steel pipelines where maximum operating pressure has not been established in accordance with the requirements of 49 CFR 195.	Final rule 7/93.

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*400-112.00	Operation and Maintenance Procedures for Pipelines 49 CFR 192 49 CFR 195	NPRM 54 FR 46685 11/6/89 Regulatory Agenda 57 FR 51762 11/3/92	OPS proposes to clarify and delineate the items that must be addressed in procedures for operations and maintenance of gas pipelines facilities to assure that operators take timely and appropriate actions under normal or abnormal conditions. Operators would also be required to establish procedures for personnel safety in trenches containing hazardous vapor or gas.	<u>Final rule 9/93.</u>
400-118.00	Crash Worthiness Protection Requirements Tank Car Tanks 49 CFR 173	ANPRM 55 FR 20242 5/15/90 Supplemental ANPRM 55 FR 35327 8/29/90 Planned NPRM 57 FR 51760 11/3/92	RSPA considers amendments to improve the level of safety of tank car tanks through operational changes, design modifications, and retrofitting requirements. In a supplement to its 5/15/90 ANPRM, RSPA considers four further amendments to its tank car tank specifications.	NPRM 6/93.
*400-120.00	Hazardous Liquid Pipelines Operating at 20 Percent or Less of Specified Minimum Yield Strength 49 CFR 195	ANPRM 55 FR 45822 10/31/90 NPRM 58 FR 12213 3/3/93	RSPA proposes to remove the exception in the pipeline safety standards governing hazardous liquid pipelines which says that they do not apply to pipelines operated at 20 percent or less of the specified minimum yield strength of the pipe.	<u>Comments by 5/3/93 if possible, but will be accepted beyond that date. Final rule 3/94.</u>
*400-121.00	Excess Flow Valve Installation on Service Lines 49 CFR 192	ANPRM 55 FR 52188 12/20/90 NPRM 58 FR 21524 4/21/93	The Office of Pipeline Safety proposes to require the installation of excess flow valves on gas service lines to improve safety and reduce the frequency of incidents. Flow valves are designed to shut off automatically when a line is broken.	<u>Comments by 6/21/93. Final rule 4/94.</u>
*400-126.00	Hazardous Materials Identification Systems 49 CFR 172	ANPRM 57 FR 24532 6/9/92 Planned NPRM 57 FR 51756 11/3/92	RSPA will propose methods to improve the current system of placarding vehicles and methods for establishing and operating a central reporting system and computerized telecommunications data center, and will consider the benefits of requiring carriers to establish emergency response telephone systems.	<u>NPRM 8/93.</u>

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400-127.00	Intermediate Bulk Containers for Hazardous Materials 49 CFR 171 49 CFR 172 49 CFR 173 49 CFR 178	NPRM 57 FR 36694 8/14/92 Regulatory Agenda 57 FR 51761 11/3/92	RSPA proposes to adopt requirements for the construction, maintenance, and use of intermediate bulk containers for transporting hazardous materials. The proposal is based on specification and performance standards contained in the U.N. Recommendation on Transport of Dangerous Goods and the commodity assignments set forth in the International Maritime Dangerous Goods Code.	Final rule 8/93.
400-128.00	Gas Pipeline Safety Standards 49 CFR 190 49 CFR 191 49 CFR 192 49 CFR 193	NPRM 57 FR 39572 8/31/92 NPRM 57 FR 53085 11/6/92	RSPA proposes to change miscellaneous gas pipeline safety standards to provide clarity, eliminate unnecessary or overly burdensome requirements, and foster economic growth. In response to a regulatory review, RSPA also proposes additional changes to various gas pipeline and liquefied natural gas facility reporting and operating standards to eliminate unnecessary requirements.	Final rule 5/93.
400-129.00	Tank Car Tanks and Cargo Tank Motor Vehicles - Attendance Requirements 49 CFR 174 49 CFR 177	NPRM 57 FR 42466 9/14/92 Regulatory Agenda 57 FR 51761 11/3/92	RSPA proposes to allow the use of signalling systems to satisfy the attendance requirements for unloading tank cars and loading cargo tank motor vehicles. RSPA also proposes to allow tank cars containing hazardous materials to remain standing with unloading connections attached when no product is being transferred.	Final rule 9/93.
400-133.00	Passage of Instrumented Internal Inspection Devices 49 CFR 190 49 CFR 192 49 CFR 193 49 CFR 195	NPRM 57 FR 54745 11/20/92	RSPA proposes that new and replacement gas and hazardous liquid transmission pipelines and certain carbon dioxide pipelines be designed and constructed to accommodate the passage of instrumented internal inspection devices, commonly referred to as "smart pigs."	Final rule 11/93.
400-134.00	Hazardous Liquid and Carbon Dioxide Pipeline Safety Standards 49 CFR 195	NPRM 57 FR 56304 11/27/92	In response to a regulatory review, RSPA proposes revisions to miscellaneous hazardous liquid and carbon dioxide pipeline safety standards to provide clarity and eliminate unnecessary requirements.	Final rule undetermined.
*400-136.00	Cargo Tanks - Miscellaneous Requirements 49 CFR 173 49 CFR 178 49 CFR 180	NPRM 58 FR 12316 3/3/93	RSPA proposes to amend certain requirements on the manufacture, qualification, and maintenance of cargo tank motor vehicles to relax the requirements and reduce unnecessary economic burdens on industry.	Comments by 6/15/93.

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OCCUPATIONAL SAFETY AND HEALTH ACT				
780-009.00	Occupational Exposure to Methylene Chloride 29 CFR 1910.102 29 CFR 1915.102 29 CFR 1926.102	ANPRM 51 FR 42257 11/24/86 NPRM 56 FR 57036 11/7/91 Corrections 57 FR 387 1/6/92 Regulatory Agenda 57 FR 51602 11/3/92	OSHA proposes to amend its existing regulation for occupational exposure to methylene chloride to reduce the 8-hour TWA exposure limit from 500 ppm to 25 ppm.	Final rule 9/93.
780-011.00	Respiratory Protection 29 CFR 1910.134 29 CFR 1915.152 29 CFR 1918.102 29 CFR 1926.103	ANPRM 47 FR 20803 5/14/82 Planned NPRM 57 FR 51595 11/3/92	OSHA is reviewing current standards for respiratory protection and intends to propose revisions following analysis of the standards.	NPRM 12/93. Final rule 12/94.
*780-020.00	Construction Standards - Safety Standards for Scaffolds 29 CFR 1926	NPRM 51 FR 42680 11/25/86 Reopening of rulemaking 58 FR 16509 3/29/93	OSHA proposes to revise the construction industry safety standards for scaffolds to regulate the design, construction, and use of all scaffolds in construction. OSHA reopens its record on the proposed standard for scaffolds in order to solicit comments on additional issues, including crossbraces on guardrail systems and a type of scaffolding called chimney bracket scaffolds.	Final rule 12/93. <u>Comments by 5/28/93.</u>
*780-021.00	Construction Industry - Safety Standards for Fall Protection 29 CFR 1926	NPRM 52 FR 42718 11/25/86 Reopening of rulemaking 57 FR 34656 8/5/92 Reopening of comment period 58 FR 16515 3/29/93	OSHA proposes to revise the construction industry safety standards to regulate the design and use of fall protection systems and procedures. The proposed revisions would address exposure hazards by using performance criteria rather than specification standards. OSHA reopens the comment period for written responses to its limited reopening of the record regarding the appropriate fall protection measures for employees engaged in precast concrete construction and seeks comments on new issues raised regarding framing activities in residential construction.	<u>Final rule 12/93.</u> <u>Comments by 5/28/93.</u>

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*780-025.00	Occupational Exposure to 2-Methoxyethanol, 2-Ethoxyethanol and Their Acetates 29 CFR 1910.1000	ANPRM 52 FR 10586 4/2/87 NPRM 58 FR 15526 3/23/93	OSHA proposes to reduce the existing 8-hour time weighted average (TWA) PELs for 2-methoxyethanol and its acetate to 0.1 ppm and for 2-ethoxyethanol and its acetate to 0.5 ppm. OSHA also proposes excursion limits for these glycol ethers of five times the proposed PELs and action limits of one-half the proposed PELs measured as an 8-hour TWA. In addition, OSHA proposes that no employee shall be exposed to these chemicals through dermal contact.	<u>Comments by 6/7/93.</u> <u>Final rule 3/94.</u>
*780-029.00	Occupational Exposure to Cadmium 29 CFR 1910 29 CFR 1915 29 CFR 1926	NPRM 55 FR 4052 2/6/90 Final rule 57 FR 42102 9/14/92	OSHA establishes an 8-hour time-weighted average permissible exposure limit (TWA PEL) of 5 ug/m ³ cadmium for general industry, agriculture, maritime and the construction industry, and a separate engineering control air limit (SECAL) of 25 ug/m ³ cadmium for certain small industries. OSHA also establishes ancillary employee protection provisions dealing with monitoring, recordkeeping, hazard communication, and personal protective equipment.	Effective 12/14/92.
		Final rule amendment and correction 58 FR 21778 4/23/93	OSHA corrects technical and typographical errors in the final rule establishing standards for cadmium and adds provisions to cover the agricultural industry which were inadvertently omitted.	Effective 12/14/92.
*780-036.00	The Control of Hazardous Energy Sources (Lockout/Tagout) 29 CFR 1910	NPRM 53 FR 15496 4/29/88 Final rule 54 FR 36644 9/1/89	OSHA issues a new part of Subpart J of 29 CFR 1910 which addresses practices and procedures that are necessary to disable machinery or equipment and to prevent the release of potentially hazardous energy while maintenance and servicing activities are being performed. The standard applies to general industry, but not maritime, agriculture, construction, oil and gas well drilling, electricity generation and transmission, or electrical work on electric conductors and equipment. Separate rulemakings will cover those areas.	Effective 1/2/90.
		Supplemental statement of reasons 58 FR 16612 3/30/93	OSHA responds to a court remand of three issues in its final lockout/tagout standard by stating and explaining its reasons for establishing the standard as such.	

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*780-041.00	Generic Standard for Exposure Monitoring 29 CFR 1910	ANPRM 53 FR 37591 9/27/88 Planned NPRM 57 FR 51593 11/3/92	OSHA is evaluating the feasibility and usefulness of adoption of a generic standard on exposure monitoring for employees exposed to toxic substances.	Decision on whether to proceed with NPRM 5/93.
780-042.00	Medical Surveillance Program for Employees 29 CFR 1910	ANPRM 53 FR 37595 9/27/88 Planned NPRM 57 FR 51593 11/3/92	OSHA is evaluating the feasibility and usefulness of adoption of a generic standard on medical surveillance programs for employees exposed to toxic substances or hazardous physical agents.	Rulemaking on hold; new administration may reactivate it.
780-044.00	Asbestos Short-Term Exposure Limit (Category III Remand Issues) 29 CFR 1910 29 CFR 1926	NPRM 55 FR 29712 7/20/90 Regulatory Agenda 57 FR 51604 11/3/92	In response to litigation, OSHA proposes to lower the PEL to 0.1 f/cc, set additional communication and notification requirements, require oversight of all construction operations, and more explicitly define the exemptions from the negative-pressure enclosure requirement.	Final rule 5/93.
780-045.00	Hazardous Waste Training Course Certification 29 CFR 1910	NPRM 55 FR 2776 1/26/90 NOA; reopening of record 57 FR 4858 2/10/92 Regulatory Agenda 57 FR 51605 11/3/92	DOL proposes accreditation procedures for training programs set up under the Hazardous Waste Operations and Emergency Response final rule of 3/9/89 for employees involved in clean-up operations at uncontrolled hazardous waste sites being cleaned up under government mandate and for employees involved in certain hazardous waste treatment, storage, and disposal operations. This rule does not propose to accredit training programs for employees engaged in emergency response activities.	Final rule 12/93.
780-047.00	Electrical Protective Equipment; Generation, Transmission, Distribution 29 CFR 1910	NPRM 54 FR 4974 1/31/89 Regulatory Agenda 57 FR 51601 11/3/92	OSHA proposes a standard for work practices used in operation and maintenance of electric power generation, transmission, and distribution facilities. Revisions to protective equipment requirements are included.	Final rule 7/93.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
780-052.00	Methods of Compliance 29 CFR 1910	NPRM 54 FR 23991 6/5/89 Regulatory Agenda 57 FR 51599 11/3/92	OSHA proposes to modify the existing provisions for controlling employee exposures to toxic substances found in 1910.1000(e) and 1910.134(a)(1). The agency proposes to incorporate additional flexibility in its requirements by setting forth the circumstances under which respiratory protection may be used in lieu of engineering controls.	Final rule put on hold; possible action by 11/93.
*780-054.00	Personal Protective Equipment 29 CFR 1910	NPRM 54 FR 33832 8/16/89 Regulatory Agenda 57 FR 51602 11/3/92	OSHA proposes to revise portions of the general industry safety standards addressing personal protective equipment. The criteria for personal protective equipment for eye, face, head, and foot would be revised to reflect improved developments in these types of equipment.	<u>Final rule 7/93.</u>
780-057.00	General Industry - Personal Fall Protective Equipment 29 CFR 1910	NPRM 55 FR 13423 4/10/90 Regulatory Agenda 57 FR 51600 11/3/92	OSHA proposes to amend the standards for personal protective equipment for general industry by adding criteria pertaining to personal fall protection systems, including fall arrest systems, work positioning systems, travel restricting systems, and fall protection systems for climbing.	Final rule 12/93.
780-058.00	General Industry Standards - Walking and Working Surfaces 29 CFR 1910	NPRM 55 FR 13360 4/10/90 Regulatory Agenda 57 FR 51604 11/3/92	OSHA proposes to revise its general industry standards for workplace walking and working surfaces in order to focus on the hazards that can result in trips, slips, and falls causing serious and fatal injuries. This proposed standard will also eliminate ambiguities and redundancies in the existing Subpart D standards and address areas not covered in the existing standards.	Final rule 12/93.
780-059.00	Recording and Reporting Occupational Injuries and Illnesses 29 CFR 1904	Planned NPRM 57 FR 51597 11/3/92	OSHA requires covered employers to record all work-related fatalities, illnesses, and certain injuries and to report summary data if selected to participate in the BLS annual survey. BLS and OSHA have tested several data collection vehicles and procedures and are revising the recordkeeping guidelines to improve the usefulness of the survey outputs.	NPRM 6/93.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*780-061.00	Reporting of Fatality or Multiple Hospitalization Accidents 29 CFR 1904	NPRM 57 FR 21222 5/19/92 Regulatory Agenda 57 FR 51605 11/3/92	OSHA proposes to revise reporting requirements in 29 CFR 1904.8 to expand the scope and time requirements for reporting hospitalizations and fatalities.	Final rule 9/93.
780-062.00	Air Contaminants - Construction, Maritime, and Agricultural Industry 29 CFR 1910 29 CFR 1915 29 CFR 1917-1918 29 CFR 1926 29 CFR 1928	NPRM 57 FR 26002 6/12/92 Comment period extended 57 FR 37126 8/18/92 Regulatory Agenda 57 FR 51597 11/3/92	OSHA proposes to revise its existing air contaminant standards for the construction and maritime industries to establish more protective limits, and proposes to add exposure limits and standards for the agricultural industry. OSHA indefinitely extends the comment period on its proposed rule pursuant to a recent appeals court decision which vacated and remanded the general industry final rule for air contaminants.	Comments at any time. Final rule 6/93.
780-063.00	Ergonomic Safety and Health Management 29 CFR 1910	ANPRM 57 FR 34192 8/3/92 Corrections 57 FR 37591 8/19/92 Planned NPRM 57 FR 51593 11/3/92	OSHA is considering the development of a safety and health management standard that would address ergonomic hazards in the workplace for general industry and specific industries.	NPRM undetermined.
780-064.00	Crane Safety Standards 29 CFR 1910 29 CFR 1919 29 CFR 1926	ANPRM 57 FR 47746 10/19/92 Planned NPRM 57 FR 51594 11/3/92	OSHA is considering a multi-phased revision of provisions in general, and crane operator qualifications in particular, and solicits quantitative and qualitative data and expert opinions in this regard.	NPRM undetermined.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
ENDANGERED SPECIES ACT				
*200-052.00	Endangered and Threatened Wildlife - Mexican Spotted Owl 50 CFR 17	NPRM 56 FR 56344 11/4/91 Notice 57 FR 58785 12/11/92 Notice 57 FR 59978 12/17/92 Final rule 58 FR 14248 3/16/93	The FWS lists the Mexican spotted owl (<u>Strix occidentalis lucida</u>), found in Colorado, Utah, Arizona, New Mexico and Texas, as threatened under the Endangered Species Act.	<u>Effective 4/15/93.</u>
*200-053.00	Endangered and Threatened Wildlife - Oregon Chub	NPRM 56 FR 58348 11/19/91	The FWS proposes to list the Oregon Chub (<u>Oregonichthys crameri</u>), found in several counties in western Oregon, as an endangered species under the ESA.	<u>Final rule 6/93.</u>
200-056.00	Endangered and Threatened Wildlife - Mussels 50 CFR 17	NPRM 57 FR 27203 6/18/92 Regulatory Agenda 57 FR 51470 11/3/92	The FWS proposes to list the northern riffleshell mussel (<u>Epioblasma torulosa rangiana</u>) and the clubshell mussel (<u>Pleurobema clava</u>) as endangered species under the ESA. Both species occur in stream located in several eastern states including Kentucky, Ohio, and Pennsylvania.	Final rule by 6/93.
*200-057.00	Endangered and Threatened Fishes - Duskytail Darter and Others 50 CFR 17	NPRM 57 FR 30191 7/8/92 Final rule 58 FR 25758 4/27/93	The FWS lists three fishes - duskytail darter (<u>Etheostoma caeruleum</u>), palezone shiner (<u>Notropis proche</u>), and pygmy madtom (<u>Noturus stanali</u>) - as endangered species under the ESA. The fishes inhabit certain streams in Alabama, Kentucky, Virginia, and eastern Tennessee.	<u>Effective 5/27/93.</u>
200-058.00	Endangered and Threatened Wildlife - Least Bell's Vireo 50 CFR 17	Revised NPRM 57 FR 34892 8/7/92 Regulatory Agenda 57 FR 51464 11/3/92	The FWS proposes to revise the designation of critical habitat for the Least Bell's vireo (<u>Vireo bellii pusillus</u>) originally proposed May 3, 1985. The proposed designation encompasses portions of Los Angeles, Riverside, San Bernardino, San Diego, Santa Barbara, and Ventura counties in California.	Final rule by 8/93.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
200-059.00	Endangered and Threatened Species - Sacramento River Chinook Salmon 50 CFR 226	NPRM 57 FR 36626 8/14/92	The National Marine Fisheries Service proposes critical habitat designation for the Sacramento River winter-run chinook salmon (<u>Oncorhynchus tshawytscha</u>).	Final rule by 8/93.
200-060.00	Designated Critical Habitat - Snake River Sockeye Salmon, Spring/Summer/Fall Chinook Salmon 50 CFR 226	NPRM 57 FR 57051 12/2/92	The National Marine Fisheries Service proposes to designate critical habitat for the Snake River sockeye salmon (<u>Oncorhynchus nerka</u>) and the Snake River spring/summer and fall chinook salmon (<u>Oncorhynchus tshawytscha</u>).	Final rule by 12/93.
200-062.00	Endangered and Threatened Plants - San Francisco Bay Serpentine Soil Plants 50 CFR 17	NPRM 57 FR 59053 12/14/92	The FWS proposes endangered status for ten plants and threatened status for two plants which are restricted to serpentine soils in the San Francisco Bay, California region.	Final rule by 12/93.
*200-063.00	Endangered and Threatened Wildlife - Colorado River Fishes 50 CFR 17	NPRM 58 FR 6578 1/29/93 Correction 58 FR 13732 3/15/93	FWS proposes to designate critical habitat for four species of fish endemic to the Colorado River Basin: razorback sucker, Colorado squawfish, humpback chub and bonytail chub.	Final rule by 2/94.
MARINE PROTECTION, RESEARCH, AND SANCTUARIES ACT				
*460-016.00	Ocean Dumping - Expansion of Designated Sites - Washington, Oregon 40 CFR 228	NPRM 57 FR 43427 9/21/92	EPA proposes to temporarily expand the boundaries of three of four designated ocean dredged material disposal sites located offshore of the mouth of the Columbia River, to restrict site use to maintenance dredging material, and to alter conditions of site use.	Final rule 6/93.
NATIONAL ENVIRONMENTAL POLICY ACT				
480-017.00	DOE Integrated Environmental Restoration and Waste Management program	NOI 55 FR 42633 10/22/90 NOA 57 FR 4193 2/4/92	DOE announces its intent to prepare a programmatic EIS to assess the potential environmental consequences of alternatives for implementing an integrated environmental restoration and waste management program that would provide a broad, systematic approach to addressing cleanup activities and waste management practices.	Draft PEIS third quarter CY 1993.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*480-019.00	NEPA Implementing Procedures for Bureau of Mines	Notice of proposed revisions 57 FR 3436 1/29/92	DOI announces a proposed revision for implementing NEPA within the Bureau of Mines. The revision primarily reflects changes in organization and responsibilities.	<u>Final revisions undetermined.</u>
NATIVE AMERICAN GRAVES PROTECTION AND REPATRIATION ACT				
*080-001.00	Native American Graves Protection and Repatriation Act Implementation CFR undetermined	Planned NPRM 57 FR 51476 11/3/92	Regulations will provide federal agencies, museums that receive federal funds, Indian tribes, and native Hawaiian organizations with directions on procedures and actions needed to comply with the Native American Graves Protection and Repatriation Act.	<u>NPRM 5/93.</u>
ARCHEOLOGICAL RESOURCES PROTECTION ACT				
090-001.00	Protection of Archeological Resources - Uniform Rules 18 CFR 1312 32 CFR 229 36 CFR 296 43 CFR 7	NPRM 56 FR 46259 9/11/91 Regulatory Agenda 57 FR 51476 11/3/92	To implement changes required by the Archeological Resources Protection Act, an interagency group composed of DOI, DOD, TVA, and USDA proposes to amend the description of prohibited acts to include attempts to excavate, remove, damage, or otherwise alter or deface archeological resources.	Final rule 9/93.
090-002.01	Curation of Federally Owned Archaeological Collections 36 CFR 79	NPRM 55 FR 37670 9/12/90 Regulatory Agenda 57 FR 51476 11/3/92	NPS proposes to amend the final rule of 9/12/90 to establish procedures for federal agencies to provide both information on the disposition of collections and copies of certain associated records to pertinent state officials, and procedures for discarding certain collection materials.	Final rule 9/93.
FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT				
*300-003.00	Guidelines on Disposal and Storage 40 CFR 165	Updating underway 50 FR 44656 10/29/85 Planned NPRM 57 FR 52039 11/3/92	The 1988 amendments to FIFRA significantly expand EPA authority to regulate the storage, transportation, and disposal of pesticides. The Agency may exercise this authority through labeling provisions, procedures for recall of canceled products, and other regulations for storage, transport, and disposal of pesticide residues.	To be published in three parts: Phase I NPRM 5/93, Phase II NPRM 8/93, Phase III 1994.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
300-004.01	Worker Protection Standards - Pesticide Information Availability 40 CFR 170	NPRM 57 FR 38167 8/21/92 Regulatory Agenda 57 FR 52037 11/3/92	EPA proposes modifying the worker protection standard for agricultural workers and pesticide handlers to require that specific hazard information be made available to covered workers concerning the pesticides to which they are exposed.	Final rule 12/93.
300-007.00	Restricted Use Classification for Groundwater Contaminating Pesticides 40 CFR 152	Notice 55 FR 5861 2/20/90 NPRM 56 FR 22076 5/13/91 NOA 56 FR 56643 11/6/91 Regulatory Agenda 57 FR 52039 11/3/92	EPA proposes two options for adding new criteria for selection of pesticide products as candidates for restricted use classification. The proposed criteria would require consideration of restricted use for pesticide products that may contaminate groundwater. Both options address the measured persistence and mobility of an ingredient of a pesticide and the detection of the ingredient in groundwater in at least three different counties.	Final rule 5/93.
*300-014.00	Experimental Use Permit Rule for Microbial Pesticides 40 CFR 172	NPRM 58 FR 5878 1/22/93	EPA proposes to amend its experimental use permit regulations for pesticides to clarify the circumstances under which a permit is presumed not to be required and to specify that the presumption is based on risk. EPA also proposes to require notification before initiation of small-scale testing of certain genetically modified microbial pesticides.	Final rule 1/94.
300-021.00	Certification of Restricted Use Pesticide Applicator 40 CFR 171	NPRM 55 FR 46890 11/7/90 Notice 56 FR 12007 3/21/91 Regulatory Agenda 57 FR 52041 11/3/92	EPA proposes to revise the rules regarding the certification of applicators of restricted use pesticides to upgrade the provisions of certification programs.	Final rule 10/93.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
300-026.00	National Laboratory Accreditation Program 7 CFR 100	ANPRM 57 FR 54727 11/20/92	The DHHS and the DOA will propose the creation of a National Laboratory Accreditation Program (NLAP) for certain laboratories that request accreditation and conduct pesticide residue analysis of agricultural products or that make claims to the public or buyers of these products. The program will ensure that such laboratories meet minimum quality and reliability standards.	NPRM undetermined.
FEDERAL MINE SAFETY AND HEALTH ACT				
*330-004.01	Safety Standards for Explosives at Metal and Nonmetal Mines 30 CFR 56 30 CFR 57	NPRM 57 FR 47524 10/16/92 Correction 57 FR 49218 10/30/92	DOL proposes a rule to address stayed provisions of the 1/18/91 final rule on safety standards for explosives at metal and nonmetal mines.	<u>Final rule 10/93.</u>
330-005.00	Air Quality, Chemical Substances, and Respiratory Protection Standards 30 CFR 56-58 30 CFR 70-72 30 CFR 75 30 CFR 90	NPRM 54 FR 35760 8/29/89 Correction 55 FR 5118 2/13/90 Regulatory Agenda 57 FR 51590 11/3/92	The Mine Safety and Health Administration proposes to revise existing standards for air quality and chemical substances at coal and metal/nonmetal mines. Permissible exposure limits (PELs) for substances that may pose health hazards at these mines and revised requirements for exposure monitoring, carcinogens, and respiratory protection programs are proposed.	Final rule 12/93.
*330-006.00	Hazard Communication CFR undetermined	NPRM 55 FR 46400 11/2/90 Regulatory Agenda 57 FR 51589 11/3/92	MSHA proposes to establish a hazard communication standard that would require mine operators to assess the hazards of chemicals they produce or use and provide information to their employees concerning chemical hazards by means of a written hazard communication program, labeling of containers, MSDS sheets, and training programs.	<u>Final rule 10/93.</u>

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
HISTORIC SITES ACT OF 1935				
410-004.00	National Natural Landmarks - Designation of Geological and Ecological Natural Areas 36 CFR 62	ANPRM 55 FR 43384 10/29/90 NPRM 56 FR 58790 11/21/91 Regulatory Agenda 57 FR 51477 11/3/92	The National Park Service proposes to amend its regulations governing the identification, notification, evaluation, nomination, and designation of geological and ecological natural areas as National Natural Landmarks (NNLs) to ensure that landowners are fully notified and provided full program disclosure and an understanding of the consequences of NNL designation before agreeing to it.	Final rule 5/93.
BIOTECHNOLOGY				
110-005.00	Microbial Products (Biotechnology) 40 CFR 704 40 CFR 720 40 CFR 721	Planned NPRM 57 FR 52046 11/3/92	EPA will propose to amend its definition of "small quantities solely for research and development" and to amend reporting requirements for persons who are using microorganisms. EPA will establish a special notification mechanism for experimental releases of microorganisms and propose significant new use notification requirements under TSCA Sect. 5(a)(2).	NPRM 5/93. Final rule 12/93.
PACIFIC NORTHWEST ELECTRIC POWER AND CONSERVATION				
810-009.00	Power Plan Amendments - Columbia River Basin (Phase IV)	Notice 56 FR 23947 5/24/91 Notice 57 FR 61608 12/28/92	The Pacific Northwest Electric Power and Conservation Planning Council publishes the recommendations it received to amend the resident fish and wildlife provisions of the Columbia River Basin Fish and Wildlife Program, and invites comment on them.	Final action 10/93.
*810-015.00	Amended Policy Implementing Section 6(c) of NEPPCA	Policy amendment 58 FR 19694 4/15/93	The Northwest Power Planning Council issues amendments to its policy on implementing Sect. 6(c) of the Northwest Electric Power Planning and Conservation Act (NEPPCA).	

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
COASTAL ZONE MANAGEMENT ACT				
*160-002.00	National Estuarine Reserve Research System 15 CFR 921	NPRM 53 FR 43816 10/28/88 Interim final rule 55 FR 29940 7/23/90 NPRM 57 FR 31926 7/17/92 Regulatory Agenda 57 FR 51183 11/3/92	NOAA proposes to revise the existing interim final rules for selecting, designating, operating and funding national estuarine research reserves to bring them into accord with requirements of the Coastal Zone Act Reauthorization Amendments of 1990.	Interim final rule effective 7/23/90. Final rule 7/93.
OTHER				
805-023.00	Assessing Female Reproductive Risk	Proposed guidelines 53 FR 24834 6/30/88	EPA proposes guidelines for assessing the female reproductive risk of environmental pollutants. The guidelines are intended to guide Agency analysis of data on female reproductive toxicants according to appropriate scientific standards.	Final guidelines 5/93.
805-024.00	Assessing Male Reproductive Risk	Proposed guidelines 53 FR 24850 6/30/88	EPA proposes guidelines for assessing the male reproductive risk of environmental pollutants. The guidelines are intended to guide Agency analysis of data on male reproductive toxicants according to appropriate scientific standards.	Final guidelines 5/93.
805-041.00	Task Force on Wetlands - No Net Loss Strategy	Notice 55 FR 30279 7/25/90 NOA 56 FR 8560 2/28/91	The Domestic Policy Council's Task Force on Wetlands requests comments on strategies for attaining "no net loss" of wetlands. DOE is represented on the Council.	Awaiting final revision of wetlands manual (see RU# 805-049.00).
805-047.00	WAPA's Energy Planning and Management Program	Proposed Program 56 FR 16093 4/19/91	WAPA proposes to establish an Energy Planning and Management Program to replace its Guidelines and Acceptance Criteria for the Conservation Renewable Energy Program.	Final action by 12/93.

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REGULATORY UPDATE TABLE - MARCH/APRIL 1993

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805-048.00	Security Skills Training and Qualifications Standards for Protective Force Personnel 10 CFR 1046	NPRM 56 FR 21631 5/10/91 Regulatory Agenda 56 FR 51263 11/3/92	DOE proposes new requirements for access authorizations and security skills training and qualification for DOE contractor personnel responsible for protection of DOE facilities.	Final rule 5/93.
805-049.00	Federal Manual for Identifying and Delineating Jurisdictional Wetlands 7 CFR Ch.VI 33 CFR Ch.II 40 CFR Ch.I 50 CFR Ch.I and IV	NPRM 56 FR 40446 8/14/91	EPA, in cooperation with the Departments of Defense, Agriculture, and Interior, proposes revisions to the "Federal Manual for Identifying and Delineating Jurisdictional Wetlands."	Final rule after MAS completes its wetlands study by fall of 1993.
805-049.01	Wetland Identification and Delineation Rule 7 CFR 12 33 CFR 328 40 CFR 110 40 CFR 116 40 CFR 117 40 CFR 122 40 CFR 230 40 CFR 232 40 CFR 435 50 CFR Ch.I and IV	NPRM 56 FR 65964 12/19/91 Regulatory Agenda 57 FR 52060 11/3/92	EPA, COE and the Soil Conservation Service propose to incorporate portions of the Federal Manual for Delineating Jurisdictional Wetlands into the regulations governing the agencies' wetland protection programs. The provisions proposed reflect revisions to the manual proposed on 8/14/91, and the final rule will be consistent with the final manual. In addition, field data and other technical references are made available for review and comment.	Awaiting final revisions of wetlands manual (see RU# 805-049.00).
805-054.00	Wetland Delineator Certification Program - Training Materials	NOA 58 FR 19806 4/16/93	The COE announces the availability of draft training materials developed in conjunction with the Corps Wetland Delineator Certification Program.	Materials available from the COE.

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IRIS DATABASE UPDATE

A DOE EH-231 Memorandum entitled *Integrated Risk Information System (IRIS) and Availability of Chemical Risk Assessment Guidance* was distributed in June 1991 to DOE Program Offices and Field Organizations. Attachment 1 to the memorandum, an ORNL-ESD report discussing access to and utilization of the *IRIS* online database, included "Table 1. *IRIS* Chemicals With Reference Doses and Carcinogen Assessments." The *IRIS* database has been updated extensively since that table was generated. The following table is the bimonthly updated version of Table 1 including all the chemicals listed in Table 1 along with additions/changes to the database as of April 30, 1993. Additions/changes are those listed in the online *IRIS* database as accessed by our personnel through the National Library of Medicine. Any changes in our table are shaded for ease of identification. Future issues of the *Environmental Regulatory Update Table* will include updates to the *IRIS* database during the previous two months. ***Use only the most current version of the table.***

IRIS CHEMICALS WITH REFERENCE DOSES AND/OR CARCINOGEN ASSESSMENTS

(Values current through April 30, 1993. There have been no changes in values since the previously published issue of this Table. Use only the most current version of this table.)

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) ⁻¹	INHAL SLOPE FACTOR (mg/kg/day) ⁻¹
ACENAPHTHENE	000083-32-9	6E-2	--	--	--	--
ACENAPHTHYLENE	000208-96-8	--	--	D	--	--
ACEPHATE	030560-19-1	4E-3	--	C	8.7E-3	--
ACETALDEHYDE	000075-07-0	--	9E-3	B2	--	--
ACETONE	000067-64-1	1E-1	--	D	--	--
ACETONITRILE	000075-05-8	6E-3	--	--	--	--
ACETOPHENONE	000098-86-2	1E-1	--	D	--	--
ACETYL CHLORIDE	000075-36-5	--	--	D	--	--
ACROLEIN	000107-02-8	--	2E-5	C	--	--
ACRYLAMIDE	000079-06-1	2E-4	--	B2	4.5	--
ACRYLIC ACID	000079-10-7	0.08	3E-4	--	--	--
ACRYLONITRILE	000107-13-1	--	2E-3	B1	5.4E-1	--
ADIPONITRILE	000111-69-3	--	--	D	--	--
ALACHLOR	015972-60-8	1E-2	--	--	--	--
ALAR	001596-84-5	1.5E-1	--	--	--	--
ALDICARB	000116-06-3	2E-4	--	D	--	--
ALDRIN	000309-00-2	3E-5	--	B2	1.7E+1	--
ALLY	074223-64-6	2.5E-1	--	--	--	--
ALLYL ALCOHOL	000107-18-6	5E-3	--	--	--	--
ALLYL CHLORIDE	000107-05-1	--	1E-3	C	--	--
ALUMINUM PHOSPHIDE	020859-73-8	4E-4	--	--	--	--
AMDRO	067485-29-4	3E-4	--	--	--	--
AMETRYN	000834-12-8	9E-3	--	--	--	--
AMINOPYRIDINE, 4-	000504-24-5	--	--	D	--	--
AMITRAZ	033089-61-1	2.5E-3	--	--	--	--
AMMONIA	007664-41-7	--	1E-1	--	--	--
AMMONIUM ACETATE	000631-61-8	--	--	D	--	--
AMMONIUM METHACRYLATE	016325-47-6	--	--	D	--	--
AMMONIUM SULFAMATE	007773-06-0	2E-1	--	--	--	--
ANILINE	000062-53-3	--	1E-3	B2	5.7E-3	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) ¹	INHAL SLOPE FACTOR (mg/kg/day) ¹
ANTHRACENE	000120-12-7	3E-1	--	--	--	--
ANTIMONY (METALLIC)	007440-36-0	4E-4	--	--	--	--
APOLLO	074115-24-5	1.3E-2	--	C	--	--
ARAMITE	000140-57-8	--	--	B2	2.5E-2	--
AROCLOR 1016	012674-11-2	7E-5	--	--	--	--
ARSENIC, INORGANIC	007440-38-2	3E-4	--	A	--	--
ASBESTOS	001332-21-4	--	--	A	--	--
ASSURE	076578-14-8	9E-3	--	D	--	--
ASULAM	003337-71-1	5E-2	--	--	--	--
ATRAZINE	001912-24-9	--	--	--	--	--
AVERMECTIN B1	065195-55-3	4E-4	--	--	--	--
AZOBENZENE	000103-33-3	--	--	B2	1.1E-1	--
BARIUM	007440-39-3	7E-2	--	--	--	--
BAYGON	000114-26-1	4E-3	--	--	--	--
BAYLETON	043121-43-3	3E-2	--	--	--	--
BAYTHROID	068359-37-5	2.5E-2	--	--	--	--
BENEFIN	001861-40-1	3E-1	--	--	--	--
BENOMYL	017804-35-2	5E-2	--	--	--	--
BENTAZON	025057-89-0	2.5E-3	--	--	--	--
BENZ(A)ANTHRACENE	000056-55-3	--	--	B2	--	--
BENZALDEHYDE	000100-52-7	1E-1	--	--	--	--
BENZENE	000071-43-2	--	--	A	2.9E-2	--
BENZIDINE	000092-87-5	3E-3	--	A	2.3E+2	2.3E+2
BENZO(A)PYRENE	000050-32-8	--	--	B2	5.79E+0	--
BENZO(B)FLUORANTHENE	000205-99-2	--	--	--	--	--
BENZO(G,H,I)PERYLENE	000191-24-2	--	--	D	--	--
BENZOIC ACID	000065-85-0	4	--	D	--	--
BENZOTRICHLORIDE	000098-07-7	--	--	B2	1.3E+1	--
BENZO(K)FLUORANTHENE	000207-08-9	--	--	B2	--	--
BENZYL CHLORIDE	000100-44-7	--	--	B2	1.7E-1	--
BERYLLIUM	007440-41-7	5E-3	--	B2	4.3E-0	--
BIDRIN	000141-66-2	1E-4	--	--	--	--
BIPHENTHRIN	082657-04-3	1.5E-2	--	--	--	--
BIPHENYL, 1,1'-	000092-52-4	5E-2	--	D	--	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) ⁻¹	INHAL SLOPE FACTOR (mg/kg/day) ⁻¹
BIS(2-CHLOROISOPROPYL) ETHER	039638-32-9	4E-2	--	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	000117-81-7	2E-2	--	B2	1.4E-2	--
BIS(CHLOROETHYL) ETHER	000111-44-4	--	--	B2	1.1E+0	--
BIS(CHLOROMETHYL) ETHER	000542-88-1	--	--	A	2.2E+2	--
BISPHENOL A	000080-05-7	5E-2	--	--	--	--
BORON (BORON AND BORATES ONLY)	007440-42-8	9E-2	--	--	--	--
BROMINATED DIBENZOFURANS	NO CASRN	--	--	D	--	--
BROMOCHLOROMETHANE	000074-97-5	--	--	D	--	--
BROMODICHLOROMETHANE	000075-27-4	2E-2	--	B2	6.2E-2	--
BROMODIPHENYL ETHER, P-	000101-55-3	--	--	D	--	--
BROMOFORM	000075-25-2	2E-2	--	B2	7.9E-3	--
BROMOMETHANE	000074-83-9	1.4E-3	5E-3	D	--	--
BROMOTRICHLOROMETHANE	000075-62-7	--	--	D	--	--
BROMOXYNIL OCTANOATE	001689-99-2	2E-2	--	--	--	--
BROMOXYNIL	001689-84-5	2E-2	--	--	--	--
BUTADIENE, 1,3-	000106-99-0	--	--	B2	--	--
BUTANOL, 1-	000071-36-3	1E-1	--	D	--	--
BUTYL BENZYL PHTHALATE, N-	000085-68-7	2E-1	--	C	--	--
BUTYLATE	002008-41-5	5E-2	--	--	--	--
BUTYLPHTHALYL BUTYGLYCOLATE	000085-70-1	1E+0	--	--	--	--
CACODYLIC ACID	000075-60-5			D		
CADMIUM	007440-43-9	5E-4	--	B1	--	--
CALCIUM CYANIDE	000592-01-8	4E-2	--	--	--	--
CAPROLACTAM	000105-60-2	5E-1	--	--	--	--
CAPTAFOL	002425-06-1	2E-3	--	--	--	--
CAPTAN	000133-06-2	1.3E-1	--	--	--	--
CARBARYL	000063-25-2	1E-1	--	--	--	--
CARBOFURAN	001563-66-2	5E-3	--	--	--	--
CARBON DISULFIDE	000075-15-0	1E-1	--	--	--	--
CARBON TETRACHLORIDE	000056-23-5	7E-4	--	B2	1.3E-1	--
CARBOSULFAN	055285-14-8	1E-2	--	--	--	--
CARBOXIN	005234-68-4	1E-1	--	--	--	--
CHLORAL	000075-87-6	2E-3	--	--	--	--
CHLORAMBEN	000133-90-4	1.5E-2	--	--	--	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) ¹	INHAL SLOPE FACTOR (mg/kg/day) ¹
CHLORANILINE, P-	000106-47-8	4E-3	--	--	--	--
CHLORDANE	000057-74-9	6E-5	--	B2	1.3E+0	--
CHLORIMURON-ETHYL	090982-32-4	2E-2	--	--	--	--
CHLORINE CYANIDE (CYANOGEN CHLORIDE)	000506-77-4	5E-2	--	--	--	--
CHLORINE DIOXIDE	010049-04-4	--	2E-4	--	--	--
CHLORO-2-METHYL PROPANE, 2- (T-BUTYLCHLORIDE)	000507-20-0	--	--	D	--	--
CHLOROACETOPHENONE, 2-	000532-27-4	--	3E-5	--	--	--
CHLOROBENZENE	000108-90-7	2E-2	--	D	--	--
CHLOROBENZILATE	000510-15-6	2E-2	--	--	--	--
CHLOROBUTANE, 1-	000109-69-3	--	--	D	--	--
CHLOROBUTANE, 2-	000078-86-4	--	--	D	--	--
CHLOROCYCLOPENTADIENE	041851-50-7	--	--	D	--	--
CHLOROETHOXY)METHANE, BIS(2-	000111-91-1	--	--	D	--	--
CHLOROFORM	000067-66-3	1E-2	--	B2	6.1E-3	--
CHLOROMETHYL METHYL ETHER	000107-30-2	--	--	A	--	--
CHLORONAPHTHALENE, BETA-	000091-58-7	8E-2	--	--	--	--
CHLOROPHENOL, 2-	000095-57-8	5E-3	--	--	--	--
CHLOROTOLUENE, 0-	000095-49-8	2E-2	--	--	--	--
CHLOROPHAM	000101-21-3	2E-1	--	--	--	--
CHLORPYRIFOS	002921-88-2	3E-3	--	--	--	--
CHLORSULFURON	064902-72-3	5E-2	--	--	--	--
CHLOROTHALONIL	001897-45-6	1.5E-2	--	--	--	--
CHROMIUM(III)	016065-83-1	1E+0	--	--	--	--
CHROMIUM(VI)	018540-29-9	5E-3	--	A	--	--
CHRYSENE	000218-01-9	--	--	B2	--	--
COAL TAR (COKE OVEN EMISSIONS)	008007-45-2	--	--	A	--	--
COPPER	007440-50-8	--	--	D	--	--
COPPER CYANIDE	000544-92-3	5E-3	--	--	--	--
CREOSOTE, COAL TAR	008001-58-9	--	--	B1	--	--
CROTONALDEHYDE	000123-73-9	--	--	C	--	--
CYROMAZINE	066215-27-8	7.5E-3	--	--	--	--
CUMENE	000098-82-8	4E-2	--	--	--	--
CYANAZINE	021725-46-2	2E-3	--	--	--	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) ⁻¹	INHAL SLOPE FACTOR (mg/kg/day) ⁻¹
CYANIDE (CN-)	000057-12-5	2E-2	--	D	--	--
CYANOGEN	000460-19-5	4E-2	--	--	--	--
CYANOGEN BROMIDE	000506-68-3	9E-2	--	--	--	--
CYANOGEN CHLORIDE (CHLORINE CYANIDE)	000506-77-4	5E-2	--	--	--	--
CYCLOHEXANONE	000108-94-1	5E+0	--	--	--	--
CYCLOHEXYLAMINE	000108-91-8	2E-1	--	--	--	--
CYHALOTHRIN/KARATE	068085-85-8	5E-3	--	--	--	--
CYPERMETHRIN	052315-07-8	1E-2	--	--	--	--
DALAPON, SODIUM SALT	000075-99-0	3E-2	--	--	--	--
DDD	000072-54-8	--	--	B2	2.4E-1	--
DDE	000072-55-9	--	--	B2	3.4E-1	--
DDT (DICHLORODIPHENYL- TRICHLOROETHANE, P,P'-)	000050-29-3	5E-4	--	B2	3.4E-1	--
DECABROMODIPHENYL ETHER	001163-19-5	1E-2	--	C	--	--
DEMETON	008065-48-3	4E-5	--	--	--	--
DI-(2-ETHYLHEXYL)ADIPATE	000103-23-1	--	--	C	1.2E-3	--
DIBENZ(A,H)ANTHRACENE	000053-70-3	--	--	B2	--	--
DIBENZOFURAN	000132-64-9	--	--	D	--	--
DIBROMOBENZENE, 1,4-	000106-37-6	1E-2	--	--	--	--
DIBROMOCHLOROMETHANE	000124-48-1	2E-2	--	C	8.4E-2	--
DIBROMODICHLOROMETHANE	000594-18-3	--	--	D	--	--
DIBROMO-3-CHLOROPROPANE, 1,2-	000006-12-8	--	2E-4	--	--	--
DIBROMODIPHENYL ETHER, P, P'-	002050-47-7	--	--	D	--	--
DIBROMOETHANE, 1,2-	000106-93-4	--	--	B2	8.5E+1	--
DIBUTYL PHTHALATE	000084-74-2	1E-1	--	D	--	--
DICAMBA	001918-00-9	3E-2	--	--	--	--
DICHLOROBENZENE, 1,2-	000095-50-1	9E-2	--	D	--	--
DICHLOROBENZENE, 1,3-	000541-73-1	--	--	D	--	--
DICHLOROBENZIDINE, 3,3'-	000091-94-1	--	--	B2	4.5E-1	--
DICHLORODIFLUOROMETHANE	000075-71-8	2E-1	--	--	--	--
DICHLOROETHANE, 1,1-	000075-34-3	--	--	C	--	--
DICHLOROETHANE, 1,2-	000107-06-2	--	--	B2	9.1E-2	--
DICHLOROETHYLENE, CIS-1,2-	000156-59-2	--	--	D	--	--
DICHLOROETHYLENE, 1,2-T-	000156-60-5	2E-2	--	--	--	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) ¹	INHAL SLOPE FACTOR (mg/kg/day) ¹
DICHLOROETHYLENE, 1,1-	000075-35-4	9E-3	--	C	6E-1	--
DICHLOROMETHANE (METHYLENE CHLORIDE)	000075-09-2	6E-2	--	B2	7.5E-3	--
DICHLOROPHENOL, 2,4-	000120-83-2	3E-3	--	--	--	--
DICHLOROPHENOXYACETIC ACID, 2,4-	000094-75-7	1E-2	--	--	--	--
DICHLOROPHENOXYBUTYRIC ACID, 4-(2,4-	000094-82-6	8E-3	--	--	--	--
DICHLOROPROPANE, 1,2-	000078-87-5	--	4E-3	--	--	--
DICHLOROPROPANOL, 2,3-	000616-23-9	3E-3	--	--	--	--
DICHLOROPROPENE, 1,3-	000542-75-6	3E-4	2E-2	B2	--	--
DICHLORVOS	000062-73-7	8E-4	--	B2	2.9E-1	--
DIELDRIN	000060-57-1	5E-5	--	B2	1.6E+1	--
DIETHYL-P-NITROPHENYL PHOSPHATE	000311-45-5			D		
DIETHYL PHTHALATE	000084-66-2	8E-1	--	D	--	--
DIETHYLENE GLYCOL DINITRATE	000693-21-0			D		
DIFENZOQUAT	043222-48-6	8E-2	--	--	--	--
DIFLUBENZURON	035367-38-5	2E-2	--	--	--	--
DIISOPROYL METHYLPHOSPHONATE	001445-75-6	8E-2	--	D	--	--
DIMETHIPIN	055290-64-7	2E-2	--	C	--	--
DIMETHOATE	000060-51-5	2E-4	--	--	--	--
DIMETHYLANILINE, N,N-	000121-69-7	2E-3	--	--	--	--
DIMETHYLFORMAMIDE	000068-12-2	--	3E-2	--	--	--
DIMETHYLPHENOL, 2,6-	000576-26-1	6E-4	--	--	--	--
DIMETHYLPHENOL, 2,4-	000105-67-9	2E-2	--	--	--	--
DIMETHYLPHENOL, 3,4-	000095-65-8	1E-3	--	--	--	--
DIMETHYLPHthalate	000131-11-3	--	--	D	--	--
DIMETHYL SULFATE	000077-78-1	--	--	B2	--	--
DIMETHYLTEREPHTHALATE	000120-61-6	1E-1	--	--	--	--
DINITRO-O-CYCLOHEXYL PHENOL, 4,6-	000131-89-5	2E-3	--	--	--	--
DINITROBENZENE, 1,3-	000099-65-0	1E-4	--	D	--	--
O-DINITROBENZENE	000528-29-0			D		
DINITROPHENOL, 2,4-	000051-28-5	2E-3	--	--	--	--
DINITROTOLUENE, 2,4-	000121-14-2	2E-3	--	--	--	--
DINITROTOLUENE MIXTURE	NO CASRN	--	--	B2	--	--
DINOSEB	000088-85-7	1E-3	--	D	--	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) ⁻¹	INHAL SLOPE FACTOR (mg/kg/day) ⁻¹
DIOXANE, 1,4-	000123-91-1	--	--	B2	1.1E-2	--
DIPHENAMID	000957-51-7	3E-2	--	--	--	--
DIPHENYLAMINE	000122-39-4	2.5E-2	--	--	--	--
DIPHENYLHYDRAZINE, 1,2-	000122-66-7	--	--	B2	8.0E-1	--
DIQUAT	000085-00-7	2.2E-3	--	--	--	--
DISULFOTON	000298-04-4	4E-5	--	--	--	--
DITHIANE, 1,4-	000505-29-3	--	--	D	--	--
DIURON	000330-54-1	2E-3	--	--	--	--
DODINE	002439-10-3	4E-3	--	--	--	--
ENDOSULFAN	000115-29-7	--	--	--	--	--
ENDOTHALL	000145-73-3	2E-2	--	--	--	--
ENDRIN	000072-20-8	3E-4	--	D	--	--
EPICHLOROHYDRIN	000106-89-8	2E-3	1E-3	B2	9.9E-3	--
EPOXYBUTANE, 1,2 (EBU)	000106-88-7	2E-2	--	--	--	--
EPTC	000759-94-4	2.5E-2	--	--	--	--
ETHEPHON	016672-87-0	5E-3	--	--	--	--
ETHION	000563-12-2	5E-4	--	--	--	--
ETHOXYETHANOL, 2-	000110-80-5	--	2E-1	--	--	--
ETHYL-P-NITROPHENYL PHOSPHONATE THIONOBENZENE (EPN)	002104-64-5	1E-5	--	--	--	--
ETHYL ETHER	000060-29-7	2E-1	--	--	--	--
ETHYL CHLORIDE	000075-00-3	--	1E+1	--	--	--
ETHYL ACETATE	000141-78-6	9E-1	--	--	--	--
ETHYLBENZENE	000100-41-4	1E-1	1E+0	D	--	--
ETHYLENE THIOUREA	000096-45-7	8E-5	--	--	--	--
ETHYLENE GLYCOL	000107-21-1	2E+0	--	--	--	--
ETHYLPHTHALYL ETHYL GLYCOLATE	000084-72-0	3E+0	--	--	--	--
EXPRESS	101200-48-0	8E-3	--	--	--	--
FENAMIPHOS	022224-92-6	2.5E-4	--	--	--	--
FENPROPATHRIN (DANITOL)	039515-41-8	5E-4	--	--	--	--
FLUOMETURON	002164-17-2	1.3E-2	--	--	--	--
FLUORANTHENE	000206-44-0	4E-2	--	D	--	--
FLUORENE	000086-73-7	4E-2	--	D	--	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) ⁻¹	INHAL SLOPE FACTOR (mg/kg/day) ⁻¹
FLUORINE	007782-41-4	6E-2	--	--	--	--
FLURIDONE	059756-60-4	8E-2	--	--	--	--
FLURPRIMIDOL	056425-91-3	2E-2	--	--	--	--
FLUTOLANIL	066332-96-5	6E-2	--	--	--	--
FLUVALINATE	069409-94-5	1E-2	--	--	--	--
FOLPET	000133-07-3	1E-1	--	B2	3.5E-3	--
FOMESAFEN	072178-02-0	--	--	C	--	--
FONOFOS	000944-22-9	2E-3	--	--	--	--
FORMALDEHYDE	000050-00-0	2E-1	--	B1	--	--
FORMIC ACID	000064-18-6	--	--	--	--	--
FOSETYL-AL	039148-24-8	3E+0	--	C	--	--
FURAN	000110-00-9	1E-3	--	--	--	--
FURFURAL	000098-01-1	3E-3	--	--	--	--
FURMECYCLOX	060568-05-0	--	--	B2	3.0E-2	--
GLUFOSINATE-AMMONIUM	077182-82-2	4E-4	--	--	--	--
GLYCIDALDEHYDE	000765-34-4	4E-4	--	B2	--	--
GLYPHOSATE	001071-83-6	1E-1	--	D	--	--
GOAL (OXYFLUORFEN)	042874-03-3	3E-3	--	--	--	--
HALOXYFOP-METHYL	069806-40-2	5E-5	--	--	--	--
HARMONY	079277-27-3	1.3E-2	--	--	--	--
HEPTACHLOR	000076-44-8	5E-4	--	B2	4.5E+0	--
HEPTACHLOR EPOXIDE	001024-57-3	1.3E-5	--	B2	9.1E+0	--
HEXABROMOBENZENE	000087-82-1	2E-3	--	--	--	--
HEXABROMODIPHENYL ETHER	036483-60-0	--	--	D	--	--
HEXACHLOROBENZENE	000118-74-1	8E-4	--	B2	1.6	--
HEXACHLOROBUTADIENE	000087-68-3	2E-3	--	C	7.8E-2	--
HEXACHLOROCYCLOHEXANE, ALPHA-	000319-84-6	--	--	B2	6.3E+0	--
HEXACHLOROCYCLOHEXANE, BETA	000319-85-7	--	--	C	1.8E+0	--
HEXACHLOROCYCLOHEXANE, GAMMA-	000058-89-9	3E-4	--	--	--	--
HEXACHLOROCYCLOHEXANE, EPSILON-	006108-10-7	--	--	D	--	--
HEXACHLOROCYCLOHEXANE, DELTA-	000319-86-8	--	--	D	--	--
HEXACHLOROCYCLOHEXANE, TECHNICAL-	000608-73-1	--	--	B2	1.8E+0	--

NAME	CASRN	ORAL R/D (mg/kg/day)	INHAL R/C (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) ⁻¹	INHAL SLOPE FACTOR (mg/kg/day) ⁻¹
HEXACHLOROCYCLOPENTADIENE	000077-47-4	7E-3	--	D	--	--
HEXACHLORODIBENZO-P-DIOXIN MIXTURE	019408-74-3	--	--	B2	6.2E+3	--
HEXACHLOROETHANE	000067-72-1	1E-3	--	C	1.4E-2	--
HEXACHLOROPHENE	000070-30-4	3E-4	--	--	--	--
HEXAHYDRO-1,3,5-TRINITRO-1,3,5- TRIAZINE	000121-82-4	3E-3	--	C	1.1E-1	--
HEXANE, N	000110-54-3	--	2E-1	--	--	--
HEXAZINONE	051235-04-2	3.3E-2	--	--	--	--
HYDRAZINE	000302-01-2	--	--	B2	3.0	--
HYDROGEN CYANIDE	000074-90-8	2E-2	--	--	--	--
HYDROGEN CHLORIDE	007647-01-0	--	7E-3	--	--	--
HYDROGEN SULFIDE	007783-06-4	3E-3	9E-4	--	--	--
IMAZALIL	035554-44-0	1.3E-2	--	--	--	--
IMAZAQUIN	081335-37-7	2.5E-1	--	--	--	--
INDENO(1,2,3-CD)PYRENE	000193-39-5	--	--	B2	--	--
IPRODIONE	036734-19-7	4E-2	--	--	--	--
ISOBUTYL ALCOHOL	000078-83-1	3E-1	--	--	--	--
ISOPHORONE	000078-59-1	2E-1	--	C	9.5E-4	--
ISOPROPALIN	033820-53-0	1.5E-2	--	--	--	--
ISOPROPYL METHYL PHOSPHONIC ACID	001832-54-8	1E-1	--	D	--	--
ISOXABEN	082558-50-7	5E-2	--	C	--	--
KARATE (CYHALOTHIN)	091465-08-6	5E-3	--	--	--	--
KERB (PRONAMIDE)	023950-58-5	7.5E-2	--	--	--	--
LACTOFEN	077501-63-4	2E-3	--	--	--	--
LEAD	007439-92-1	--	--	B2	--	--
LINURON	000330-55-2	2E-3	--	C	--	--
LONDAX	083055-99-6	2E-1	--	--	--	--
MALATHION	000121-75-5	2E-2	--	--	--	--
MALEIC ANHYDRIDE	000108-31-6	1E-1	--	--	--	--
MALEIC HYDRAZIDE	000123-33-1	5E-1	--	--	--	--
MANEB	012427-38-2	5E-3	--	--	--	--
MANGANESE	007439-96-5	--	5E-3	D	--	--
MCFA	000094-74-6	5E-4	--	--	--	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) ¹	INHAL SLOPE FACTOR (mg/kg/day) ¹
MCPB	000094-81-5	1E-2	--	--	--	--
MCPP	000093-65-2	1E-3	--	--	--	--
MEPIQUAT CHLORIDE	024307-26-4	3E-2	--	--	--	--
MERCURY, INORGANIC	007430-97-6	--	--	D	--	--
MERPHOS	000150-50-5	3E-5	--	--	--	--
MERPHOS OXIDE	000078-48-8	3E-5	--	--	--	--
METALAXYL	057837-19-1	6E-2	--	--	--	--
METHACRYLONITRILE	000126-98-7	1E-4	--	--	--	--
METHAMIDOPHOS	010265-92-6	5E-5	--	--	--	--
METHANOL	000067-56-1	5E-1	--	--	--	--
METHIDATHION	000950-37-8	1E-3	--	C	--	--
METHOMYL	016752-77-5	2.5E-2	--	--	--	--
METHOXYCHLOR	000072-43-5	5E-3	--	D	--	--
METHOXYETHANOL, 2-	000109-86-4	--	2E-2	--	--	--
METHYL ACRYLATE	000096-33-3	--	--	D	--	--
METHYL ETHYL KETONE	000078-93-3	1E-0	--	D	--	--
METHYL ISOBUTYL KETONE	000108-10-1	--	--	--	--	--
METHYL MERCURY	022967-92-6	3E-4	--	--	--	--
METHYL PARATHION	000298-00-0	2.5E-4	--	--	--	--
METHYL TERT-BUTYL ETHER	001634-04-4	--	5E-1	--	--	--
METHYLPHENOL, 2- (O-CRESOL)	000095-48-7	5E-2	--	C	--	--
METHYLPHENOL, 3- (M-CRESOL)	000108-39-4	5E-2	--	C	--	--
METHYLPHENOL, 4- (P-CRESOL)	000106-44-5	--	--	C	--	--
METHYLENE CHLORIDE (DICHLOROMETHANE)	000075-09-2	6E-2	--	B2	7.5E-3	--
METHYLENE-BIS(N,N-DIMETHYL) ANILINE, 4,4'-	000101-61-1	--	--	B2	4.6E-2	--
METOACHLOR	051218-45-2	1.5E-1	--	C	--	--
METRIBUZIN	021087-64-9	2.5E-2	--	--	--	--
MIREX	002385-85-5	2E-4	--	--	--	--
MOLINATE	002212-67-1	2E-3	--	--	--	--
MONOCHLORAMINE	010599-90-3	1E-1				
MOLYBDENUM	007439-98-7	5E-3				
NALED	000300-76-5	2E-3	--	--	--	--
NAPHTHALENE	000091-20-3	--	--	D	--	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) ⁻¹	INHAL SLOPE FACTOR (mg/tg/day) ⁻¹
NAPROPAMIDE	015299-99-7	1E-1	--	--	--	--
NICKEL CARBONYL	013463-39-3	--	--	B2	--	--
NICKEL SUBSULFIDE	012035-72-2	--	--	A	--	--
NICKEL (SOLUBLE SALTS)	007440-02-0	2E-2	--	--	--	--
NICKEL REFINERY DUST	NO CASRN	--	--	A	--	--
NITAPYRIN	001929-82-4	1.5E-3	--	--	--	--
NITRATE	014797-55-8	1.6E+0	--	--	--	--
NITRIC OXIDE	010102-43-9	1E-1	--	--	--	--
NITRITE	014797-65-0	1E-1	--	--	--	--
NITROBENZENE	000098-95-3	5E-4	--	D	--	--
NITROGEN DIOXIDE	010102-44-0	1E+0	--	--	--	--
NITROGUANIDINE	000556-88-7	1E-1	--	D	--	--
NITROPROPANE, 2-	000079-46-9	--	2E-2	--	--	--
NITROSO-DI-N-PROPYLAMINE, N-	000621-64-7	--	--	B2	7.0	--
NITROSO-DI-N-BUTYLAMINE, N-	000924-16-3	--	--	B2	5.4E+0	--
NITROSODIETHANOLAMINE, N-	001116-54-7	--	--	B2	2.8E+0	--
NITROSODIETHYLAMINE, N-	000055-18-5	--	--	B2	1.50E+2	--
NITROSODIMETHYLAMINE, N-	000062-75-9	--	--	B2	5.1E+1	--
NITROSODIPHENYLAMINE, N-	000086-30-6	--	--	B2	4.9E-3	--
NITROSOMETHYLETHYLAMINE, N-	010595-95-6	--	--	B2	2.2E+1	--
NITROSOPYRROLIDINE, N-	000930-55-2	--	--	B2	2.1	--
NONABROMODIPHENYL ETHER	063936-56-1	--	--	D	--	--
NORFLURAZON	027314-13-2	4E-2	--	--	--	--
NUSTAR	085509-19-9	7E-4	--	--	--	--
OCTABROMODIPHENYL ETHER	032536-52-0	3E-3	--	D	--	--
OCTAHYDRO-1,3,5,7-TETRANITRO- 1,3,5,7-TETRAZOCINE	002691-41-0	5E-2	--	D	--	--
ORYZALIN	019044-88-3	5E-2	--	C	--	--
OXADIAZON	019666-30-9	5E-3	--	--	--	--
OXAMYL	023135-22-0	2.5E-2	--	--	--	--
PACLOBUTRAZOL	076738-62-0	1.3E-2	--	--	--	--
PARAQUAT	001910-42-5	4.5E-3	--	C	--	--
PARATHION	000056-38-2	--	--	C	--	--
P-CHLOROPHENYL METHYL SULFIDE	000123-09-1			D		

NAME	CASRN	ORAL R/D (mg/kg/day)	INHAL R/C (µg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) ¹	INHAL SLOPE FACTOR (mg/kg/day) ¹
P-CHLOROPHENYL METHYL SULFONE	000098-57-7			D		
PENDIMETHALIN	040487-42-1	4E-2	--	--	--	--
PENTABROMODIPHENYL ETHER	032534-81-9	2E-3	--	D	--	--
PENTACHLOROBENZENE	000608-93-5	8E-4	--	--	--	--
PENTACHLOROCYCLOPENTADIENE	025329-35-5	--	--	D	--	--
PENTACHLORONITROBENZENE	000082-68-8	3E-3	--	--	--	--
PENTACHLOROPHENOL	000087-86-5	3E-2	--	B2	1.2E-1	--
PERMETHRIN	052645-53-1	5E-2	--	--	--	--
PHENANTHRENE	000085-01-8	--	--	D	--	--
PHENMEDIPHAM	013684-63-4	2.5E-1	--	--	--	--
PHENOL	000108-95-2	6E-1	--	D	--	--
PHENYLENEDIAMINE, M-	000108-45-2	6E-3	--	--	--	--
PHENYLMERCURIC ACETATE	000062-38-4	8E-5	--	--	--	--
PHOSMET	000732-11-6	2E-2	--	--	--	--
PHOSPHINE	007803-51-2	3E-4	--	D	--	--
PHTHALIC ANHYDRIDE	000085-44-9	2E+0	--	--	--	--
PICLORAM	001918-02-1	7E-2	--	--	--	--
PIRIMIPHOS-METHYL	029232-93-7	1E-2	--	--	--	--
POLYCHLORINATED BIPHENYLS	001336-36-3	--	--	B2	7.7	--
POTASSIUM CYANIDE	000151-50-8	5E-2	--	--	--	--
POTASSIUM SILVER CYANIDE	000506-61-6	2E-1	--	--	--	--
PROCHLORAZ	067747-09-5	9E-3	--	C	1.5E-1	--
PROMETON	001610-18-0	1.5E-2	--	--	--	--
PROMETRYN	007287-19-6	4E-3	--	--	--	--
PRONAMIDE (KERB)	023950-58-5	7.5E-2	--	--	--	--
PROPACHLOR	001918-16-7	1.3E-2	--	--	--	--
PROPANIL	000709-98-8	5E-3	--	--	--	--
PROPARGITE	002312-35-8	2E-2	--	--	--	--
PROPARGYL ALCOHOL	000107-19-7	2E-3	--	--	--	--
PROPAZINE	000139-40-2	2E-2	--	--	--	--
PROPHAM	000122-42-9	2E-2	--	--	--	--
PROPICONAZOLE	060207-90-1	1.3E-2	--	--	--	--
PROPIONIC ACID, 2(2,4,5- TRICHLOROPHENOXY)-	000093-72-1	8E-3	--	D	--	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) ⁻¹	INHAL SLOPE FACTOR (mg/kg/day) ⁻¹
PROPYLENE GLYCOL MONOMETHYL ETHER	000107-98-2	--	2	--	--	--
PROPYLENE OXIDE	000075-56-9	--	3E-2	B2	2.4E-1	--
PURSUIT	081335-77-5	2.5E-1	--	--	--	--
PYDRIN	051630-58-1	2.5E-2	--	--	--	--
PYRENE	000129-00-0	3E-2	--	D	--	--
PYRIDINE	000110-86-1	1E-3	--	--	--	--
QUINALPHOS	013593-03-8	5E-4	--	--	--	--
RALLY (SYSTHANE)	088671-89-0	2.5E-2	--	--	--	--
REFRACTORY CERAMIC FIBERS	UNKNOWN			B2		
RESMETHRIN	010453-86-8	3E-2	--	--	--	--
ROTENONE	000083-79-4	4E-3	--	--	--	--
SAVEY	078587-05-0	2.5E-2	--	--	--	--
SELENIOUS ACID	007783-00-8	5E-3	--	D	--	--
SELENIUM AND COMPOUNDS	007782-49-2	5E-3	--	D	--	--
SELENIUM SULFIDE	007446-34-6	--	--	B2	--	--
SETHOXYDIM	074051-80-2	9E-2	--	--	--	--
SILVER	007440-22-4	5E-3	--	D	--	--
SILVER CYANIDE	000506-64-9	1E-1	--	--	--	--
SODIUM DIETHYLDITHIOCARBAMATE	000148-18-5	3E-2	--	--	--	--
SODIUM FLUOROACETATE	000062-74-8	2E-5	--	--	--	--
SODIUM CYANIDE	000143-33-9	4E-2	--	--	--	--
SODIUM AZIDE	026628-22-8	4E-3	--	--	--	--
SODIUM ACIFLUORFEN	062476-59-9	1.3E-2	--	--	--	--
STIROFOS (TETRACHLORVINPHOS)	000961-11-5	3E-2	--	--	--	--
STRONTIUM	007440-24-6	6E-1				
STRYCHNINE	000057-24-9	3E-4	--	--	--	--
STYRENE	000100-42-5	2E-1	--	--	--	--
TEBUTHIURON	034014-18-1	5E-2	--	--	--	--
TERBACIL	005902-51-2	1.3E-2	--	--	--	--
TERBUTRYN	000886-50-0	1E-3	--	--	--	--
TETRABROMODIPHENYL OXIDE	040088-47-9	--	--	D	--	--
TETRACHLOROBENZENE, 1,2,4,5-	000095-94-3	3E-4	--	B2	1.6	--
TETRACHLOROCYCLOPENTADIENE	000695-77-2	--	--	D	--	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) ⁻¹	INHAL SLOPE FACTOR (mg/kg/day) ⁻¹
TETRACHLOROETHANE, 1,1,1,2-	000630-20-6	3E-2	--	C	2.6E-2	--
TETRACHLOROETHANE, 1,1,2,2-	000079-34-5	--	--	C	2.0E-1	--
TETRACHLOROETHYLENE, 1,1,2,2-	000127-18-4	1E-2	--	--	--	--
TETRACHLOROPHENOL, 2,3,4,6-	000058-90-2	3E-2	--	--	--	--
TETRACHLOROTEREPHTHALIC ACID, 2,3,5,6-, DIMETHYL ESTER (DACTHAL)	001861-32-1	5E-1	--	--	--	--
TETRAETHYL LEAD	000078-00-2	1E-7	--	--	--	--
TETRAETHYLDITHIOPYROPHOSPHATE	003689-24-5	5E-4	--	--	--	--
THALLIC OXIDE	001314-32-5	--	--	D	--	--
THALLIUM (I) ACETATE	000563-68-8	9E-5	--	D	--	--
THALLIUM (I) CARBONATE	006533-73-9	8E-5	--	D	--	--
THALLIUM (I) CHLORIDE	007791-12-0	8E-5	--	D	--	--
THALLIUM (I) NITRATE	010102-45-1	9E-5	--	D	--	--
THALLIUM SELENITE	012039-52-0	9E-5	--	D	--	--
THALLIUM SULFATE	007446-18-6	8E-5	--	D	--	--
THIOBENCARB	028249-77-6	1E-2	--	--	--	--
THIOPHANATE-METHYL	023564-05-8	8E-2	--	--	--	--
THIRAM	000137-26-8	5E-3	--	--	--	--
TOLUENE	000108-88-3	2E-1	4E-1	D	--	--
TOXAPHENE	008001-35-2	--	--	B2	1.1	--
TRALOMETHRIN	066841-25-6	7.5E-3	--	--	--	--
TRIALATE	002303-17-5	1.3E-2	--	--	--	--
TRIASULFURON	082097-50-5	1E-2	--	--	--	--
TRIBROMOBENZENE, 1,2,4-	000615-54-3	5E-3	--	--	--	--
TRIBROMOCHLOROMETHANE	000594-15-0	--	--	D	--	--
TRIBROMODIPHENYL ETHER	049690-94-0	--	--	D	--	--
TRIBUTYLTIN OXIDE	000056-35-9	3E-5	--	--	--	--
TRICHLORO-1,2,2- TRIFLUOROETHANE, 1,1,2-	000076-13-1	3E+1	--	--	--	--
TRICHLOROBENZENE, 1,2,4-	000120-82-1	1E-2	--	D	--	--
TRICHLOROCYCLOPENTADIENE	077323-84-3	--	--	D	--	--
TRICHLOROETHANE, 1,1,1-	000071-55-6	--	--	D	--	--
TRICHLOROETHANE, 1,1,2-	000079-00-5	4E-3	--	C	5.7E-2	--
TRICHLOROETHYLENE	000079-01-6	--	--	--	--	--
TRICHLOROFLUOROMETHANE	000075-69-4	3E-1	--	--	--	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) ⁻¹	INHAL SLOPE FACTOR (mg/kg/day) ⁻¹
TRICHLOROPHENOL, 2,4,5-	000095-95-4	1E-1	--	--	--	--
TRICHLOROPHENOL, 2,4,6-	000088-06-2	--	--	B2	1.1E-2	--
TRICHLOROPHENOXYACETIC ACID, 2,4,5-	000093-76-5	1E-2	--	--	--	--
TRICHLOROPROPANE, 1,1,2-	000598-77-6	5E-3	--	--	--	--
TRICHLOROPROPANE, 1,2,3-	000096-18-4	6E-3	--	--	--	--
TRIDIPHANE	058138-08-2	3E-3	--	--	--	--
TRIETHYLAMINE	000121-44-8	--	7E-3	--	--	--
TRIFLURALIN	001582-09-8	7.5E-3	--	C	7.7E-3	--
TRINITROBENZENE, 1,3,5-	000099-35-4	5E-5	--	--	--	--
TRINITROTOLUENE, 2,4,6-	000118-96-7	5E-4	--	C	3.0E-2	--
URANIUM (SOLUBLE SALTS)	NO CASRN	3E-3	--	--	--	--
VANADIUM PENTOXIDE	001314-62-1	9E-3	--	--	--	--
VERNOLATE	001929-77-7	1E-3	--	--	--	--
VINCLOZOLIN	050471-44-8	2.5E-2	--	--	--	--
VINYL ACETATE	000108-05-4	--	2E-1	--	--	--
WARFARIN	000081-81-2	3E-4	--	--	--	--
WHITE PHOSPHORUS	007723-14-0	2E-5	--	D	--	--
XYLENE, MIXTURE	001330-20-7	2E+0	--	D	--	--
ZINC AND COMPOUNDS	007440-66-6	3E-1	--	D	--	--
ZINC CYANIDE	000557-21-1	5E-2	--	--	--	--
ZINC PHOSPHIDE	001314-84-7	3E-4	--	--	--	--
ZINEB	012122-67-7	5E-2	--	--	--	--

EPA CARCINOGENICITY GROUPS

A = HUMAN CARCINOGEN

B1 = PROBABLE HUMAN CARCINOGEN

Limited evidence in human studies

B2 = PROBABLE HUMAN CARCINOGEN

Sufficient evidence from animal studies, inadequate evidence or no data from human studies

C = POSSIBLE HUMAN CARCINOGEN

D = NOT CLASSIFIABLE AS TO HUMAN CARCINOGENICITY

ALPHABETICAL INDEX TO STATUTES

INDEX TO RU NUMBERS BY CFR CITATION

March/April 1993

CFR CITATION	RU NUMBER	PAGE	CFR CITATION	RU NUMBER	PAGE
ARCHAEOLOGICAL RESOURCES PROTECTION ACT			40 CFR 144	100-129.00	
18 CFR 1312	090-001.00	68	40 CFR 191	100-129.00	
32 CFR 229	090-001.00		40 CFR 194	100-018.00	
36 CFR 79	090-002.01			100-129.01	
36 CFR 296	090-001.00		BIOTECHNOLOGY		
43 CFR 7	090-001.00		40 CFR 704	110-005.00	71
ATOMIC ENERGY ACT			40 CFR 720	110-005.00	
10 CFR 2	100-309.00	42	40 CFR 721	110-005.00	
10 CFR 19	100-317.00		CLEAN AIR ACT		
10 CFR 19-20	100-041.00		40 CFR 15	120-190.00	
10 CFR 20	100-187.00		40 CFR 28	120-201.00	
10 CFR 26	100-039.00		40 CFR 50	120-005.00	
10 CFR 30	100-041.00		40 CFR 50.8	120-084.00	
10 CFR 31	100-179.01		40 CFR 50.9	120-006.00	
10 CFR 32	100-187.00		40 CFR 50.11	120-083.00	
10 CFR 35	100-276.00		40 CFR 50.12	120-148.00	
10 CFR 40	100-288.00		40 CFR 51	120-005.00	
10 CFR 50	100-276.00			120-010.00	
10 CFR 51	100-288.00			120-113.03	
10 CFR 52	100-304.00			120-171.00	
10 CFR 70	100-249.00			120-186.00	
10 CFR 71	100-306.00			120-191.00	
10 CFR 72	100-249.00			120-196.00	
10 CFR 73	100-306.00			120-205.00	
10 CFR 810	100-187.00		40 CFR 52	120-010.00	
10 CFR 830	100-187.00			120-075.00	
10 CFR 834	100-276.00			120-171.00	
10 CFR 835	100-288.00			120-186.00	
	100-304.00			120-203.00	
	100-214.00		40 CFR 54	120-200.00	
	100-222.00		40 CFR 58	120-005.00	
	100-224.00			120-170.01	
	100-233.00		40 CFR 59	120-201.00	
	100-258.00		40 CFR 60	120-116.00	
	100-258.01			120-158.00	
	100-303.00			120-214.00	
	100-307.00		40 CFR 61	120-055.00	
	100-033.00			120-117.01	
	100-187.00			120-118.03	
	100-265.00			120-118.04	
	100-303.00			120-118.06	
	100-187.00		40 CFR 63	120-093.00	
	100-276.00			120-103.00	
	100-288.00			120-149.00	
	100-157.00			120-176.00	
	100-276.00			120-181.00	
	100-288.00			120-184.00	
	100-298.00			120-187.00	
	100-303.00			120-198.00	
	100-252.00			120-207.00	
	100-275.00			120-208.00	
	100-316.00			120-211.00	
	100-053.00		40 CFR 65	120-199.00	
	100-312.00		40 CFR 68	120-183.00	
	100-187.00		40 CFR 70	120-173.00	
	100-314.00		40 CFR 71	120-173.00	
	100-290.00			120-209.00	
	100-297.00		40 CFR 72	120-189.01	
	100-284.00		40 CFR 73	120-189.01	
	100-289.00		40 CFR 74	120-206.00	

CFR CITATION	RU NUMBER	PAGE	CFR CITATION	RU NUMBER	PAGE
40 CFR 75	120-189.01			180-134.00	
40 CFR 76	120-210.00			180-135.00	
40 CFR 82	120-503.00		40 CFR 302	180-042.00	
	120-506.00			180-056.00	
	120-507.00			180-072.00	
	120-508.00			180-105.00	
	120-509.00			180-133.00	
	120-511.00		40 CFR 302.4	180-119.00	
40 CFR 88	120-175.00		40 CFR 308	180-096.00	
40 CFR 93	120-196.00		40 CFR 355	180-042.00	
CFR undetermined	120-178.00			180-072.00	
CLEAN WATER ACT		21		180-105.00	
33 CFR 323	140-120.00		40 CFR 372	180-133.00	
33 CFR 328	140-120.00			190-067.00	
40 CFR undetermined	140-108.00		43 CFR 11	180-025.00	
40 CFR Subchapter N	140-109.00			180-077.00	
40 CFR 110	140-120.00			180-077.01	
40 CFR 112	140-120.00		CFR undetermined	180-136.00	
40 CFR 116-117	140-120.00		ENDANGERED SPECIES ACT		66
40 CFR 120	140-126.00		50 CFR 17	200-052.00	
40 CFR 122	140-039.00			200-056.00	
	140-085.04			200-057.00	
	140-120.00			200-058.00	
	140-133.00			200-062.00	
40 CFR 122.21(j)	140-084.00			200-063.00	
40 CFR 122-124	140-103.00		50 CFR 226	200-059.00	
40 CFR 123	140-077.03			200-060.00	
	140-133.00				
40 CFR 124	140-039.00		FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT		68
40 CFR 125	140-126.00		40 CFR 152	300-007.00	
	140-039.00		40 CFR 165	300-003.00	
	140-110.00		40 CFR 170	300-004.01	
40 CFR 131	140-126.00		40 CFR 171	300-021.00	
40 CFR 132	140-133.00		40 CFR 172	300-014.00	
40 CFR 136	140-018.00				
	140-089.00		7 CFR 100	300-026.00	
40 CFR 230	140-120.00				
	140-124.00		FEDERAL MINE SAFETY AND HEALTH ACT		70
	140-127.00		30 CFR 56	330-004.01	
	140-129.00		30 CFR 56-58	330-005.00	
40 CFR 231	140-130.00		30 CFR 57	330-004.01	
40 CFR 232	140-041.00		30 CFR 70-72	330-005.00	
40 CFR 232.2(q)	140-120.00		30 CFR 75	330-005.00	
40 CFR 233	140-111.00		30 CFR 90	330-005.00	
40 CFR 402	140-128.00		CFR undetermined	330-006.00	
40 CFR 402	140-120.00				
40 CFR 414	140-095.01		HAZARDOUS MATERIALS TRANSPORTATION ACT		55
40 CFR 455	140-095.01		49 CFR 107	400-062.00	
40 CFR 501	140-095.01		49 CFR 148	400-080.00	
	140-103.00		49 CFR 171	400-014.00	
COASTAL ZONE MANAGEMENT ACT		72		400-033.01	
15 CFR 921	160-002.00			400-062.00	
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT		12		400-073.00	
40 CFR undetermined	180-106.00			400-095.00	
40 CFR 117	180-042.00			400-127.00	
	180-072.00		49 CFR 171-178	400-040.00	
	180-105.00			400-093.00	
40 CFR 271	180-105.00		49 CFR 171-179	400-044.00	
40 CFR 300	180-092.00		49 CFR 172	400-033.01	
	180-096.00			400-073.00	
	180-109.01			400-095.00	
	180-120.00			400-126.00	
	180-126.00				

CFR CITATION	RU NUMBER	PAGE	CFR CITATION	RU NUMBER	PAGE
49 CFR 173	400-127.00 400-033.01 400-057.00 400-095.00 400-118.00 400-127.00 400-136.00		10 CFR 52	700-078.00	
49 CFR 174	400-014.00 400-129.00		10 CFR 60	700-022.00 700-069.00 700-074.00 700-080.00	
49 CFR 175	400-073.00		10 CFR 72		
49 CFR 177	400-129.00		OIL POLLUTION ACT OF 1990		26
49 CFR 178	400-127.00 400-136.00		15 CFR Ch. IX	145-001.00	
49 CFR 180	400-136.00		40 CFR 112	145-002.00	
49 CFR 190	400-128.00 400-133.00		40 CFR 300	145-002.01 145-003.00	
49 CFR 191	400-128.00		OCCUPATIONAL SAFETY AND HEALTH ACT		61
49 CFR 192	400-039.00 400-063.00 400-064.00 400-097.00 400-099.00 400-112.00 400-121.00 400-128.00 400-133.00		29 CFR 1904	780-059.00 780-061.00 780-009.00 780-029.00 780-036.00 780-041.00 780-042.00 780-044.00 780-045.00 780-047.00 780-052.00 780-054.00 780-057.00 780-058.00 780-062.00 780-063.00 780-064.00	
49 CFR 193	400-128.00		29 CFR 1910.134	780-011.00	
49 CFR 195	400-133.00 400-039.00 400-063.00 400-064.00 400-110.00 400-112.00 400-120.00 400-133.00 400-134.00		29 CFR 1910.1000	780-025.00	
49 CFR 397	400-061.00		29 CFR 1915	780-009.00 780-029.00 780-062.00 780-011.00 780-062.00 780-011.00 780-064.00 780-009.00 780-020.00 780-021.00 780-029.00 780-044.00 780-062.00 780-064.00 780-011.00 780-062.00	
HISTORIC SITES ACT OF 1935		71	29 CFR 1915.152		
36 CFR 62	410-004.00		29 CFR 1917-1918		
LOW-LEVEL RADIOACTIVE WASTE (LLW) POLICY AMENDMENTS ACT		41	29 CFR 1918.102		
10 CFR 20	740-021.00		29 CFR 1919	780-064.00	
10 CFR 30	740-029.00		29 CFR 1926	780-009.00 780-020.00 780-021.00 780-029.00 780-044.00 780-062.00 780-064.00 780-011.00 780-062.00	
10 CFR 40	740-029.00		29 CFR 1926.103		
10 CFR 50	740-029.00		29 CFR 1928		
10 CFR 61	740-021.00 740-025.00 740-027.00 740-028.00		OTHER		72
10 CFR 70	740-029.00		10 CFR 1046	805-048.00	
10 CFR 72	740-029.00		33 CFR Ch. II	805-049.00	
40 CFR 193	740-003.00		33 CFR 328	805-049.01	
40 CFR 764	740-003.00		40 CFR Ch. I	805-049.00	
MARINE PROTECTION, RESEARCH, AND SANCTUARIES ACT		67	40 CFR 110	805-049.01	
40 CFR 228	460-016.00		40 CFR 116	805-049.01	
NATIVE AMERICAN GRAVES PROTECTION AND REPATRIATION ACT		68	40 CFR 117	805-049.01	
CFR undetermined	080-001.00		40 CFR 122	805-049.01	
NUCLEAR WASTE POLICY ACT		39	40 CFR 230	805-049.01	
10 CFR 50	700-078.00		40 CFR 232	805-049.01	
			40 CFR 435	805-049.01	
			50 CFR Ch. I and IV	805-049.00 805-049.01	

CFR CITATION	RU NUMBER	PAGE	CFR CITATION	RU NUMBER	PAGE
7 CFR Ch.VI	805-049.00			840-107.00	
7 CFR 12	805-049.01			840-133.01	
POLLUTION PREVENTION ACT		19		840-142.01	
40 CFR 372	195-002.00			840-142.03	
RESOURCE CONSERVATION AND RECOVERY ACT		1		840-146.00	
40 CFR Chapter 1	840-211.01			840-173.00	
40 CFR 148	840-146.00			840-173.01	
	840-250.03			840-248.00	
	840-250.05			840-250.03	
40 CFR 239	840-287.00		40 CFR 265.75	840-251.00	
40 CFR 257	840-051.00		40 CFR 266	840-316.00	
40 CFR 258	840-051.00		40 CFR 268	840-317.00	
40 CFR 258.51(b)	840-325.00			840-294.00	
40 CFR 259	840-244.00			840-329.00	
40 CFR 260	840-024.00			840-146.00	
	840-146.00			840-173.00	
	840-171.00			840-173.01	
	840-173.00			840-193.00	
	840-173.01			840-250.01	
	840-251.00			840-250.03	
	840-310.00			840-250.04	
40 CFR 260.22	840-221.00			840-250.05	
	840-320.00			840-305.00	
40 CFR 260-261	840-324.00			840-305.01	
40 CFR 260-262	840-307.00		40 CFR 270	840-307.00	
40 CFR 261	840-107.00			840-310.00	
	840-146.00			840-313.00	
	840-173.00			840-107.00	
	840-173.01			840-131.00	
	840-250.05			840-133.01	
	840-310.00			840-146.00	
	840-318.00			840-171.00	
	840-319.00			840-173.00	
	840-321.00			840-173.01	
	840-322.00			840-175.00	
	840-323.00			840-176.00	
40 CFR 261-266	840-329.00		40 CFR 270.41	840-307.00	
40 CFR 262	840-328.00		40 CFR 271	840-316.00	
	840-146.00			840-317.00	
	840-173.00			840-286.00	
	840-173.01			840-024.00	
	840-310.00			840-090.01	
40 CFR 262.41	840-294.00			840-131.00	
40 CFR 264	840-024.00			840-133.01	
	840-107.00			840-146.00	
	840-131.00			840-161.00	
	840-133.01			840-180.00	
	840-142.01			840-206.00	
	840-142.03			840-212.00	
	840-146.00			840-295.00	
	840-171.00			840-318.00	
	840-173.00			840-319.00	
	840-173.01			840-324.00	
	840-175.00		40 CFR 271.10	840-294.00	
	840-176.00		40 CFR 271.15	840-151.00	
	840-248.00		40 CFR 271.16	840-151.00	
	840-250.03		40 CFR 273	840-307.00	
	840-251.00		40 CFR 280	840-185.00	
	840-310.00			840-326.00	
	840-316.00		40 CFR 302	840-318.00	
	840-294.00			840-319.00	
40 CFR 264.75	840-325.00			840-324.00	
40 CFR 264.97(e)	840-307.00		SAFE DRINKING WATER ACT		19
40 CFR 264-265	840-324.00		40 CFR 35	880-030.00	
	840-024.00		40 CFR 141	880-007.00	
40 CFR 265				880-011.00	
				880-013.00	

CFR CITATION	RU NUMBER	PAGE	CFR CITATION	RU NUMBER	PAGE
	880-013.01				
	880-046.00				
	880-050.00				
40 CFR 142	880-053.00				
	880-007.00				
	880-011.00				
	880-013.00				
	880-013.01				
40 CFR 143	880-013.00				
40 CFR 144	880-027.00				
	880-049.00				
40 CFR 145	880-049.00				
40 CFR 146	880-027.00				
	880-049.00				
SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT					
		17			
40 CFR 28	190-059.00				
40 CFR 355	190-056.00				
	190-065.00				
40 CFR 372	190-053.00				
	190-060.00				
	190-063.00				
	190-064.00				
	190-066.00				
40 CFR 721	190-064.00				
TOXIC SUBSTANCES CONTROL ACT					
		52			
40 CFR 372	190-061.00				
40 CFR 704	920-064.00				
40 CFR 712	920-134.00				
40 CFR 716	920-134.00				
40 CFR 750	920-096.01				
40 CFR 761	920-073.01				
	920-076.00				
	920-096.01				
	920-119.00				
	920-125.00				
	920-132.00				
	920-135.00				
40 CFR 790	920-053.00				
40 CFR 798	920-130.00				
40 CFR 799	920-113.00				
	920-123.00				
	920-129.00				
CFR undetermined	920-127.00				
URANIUM MILL TAILINGS RADIATION CONTROL ACT					
		51			
10 CFR 764	930-034.00				
40 CFR 192	930-029.00				
	930-038.00				

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