

ENVIRONMENTAL SCIENCES DIVISION  
ENVIRONMENTAL REGULATORY UPDATE TABLE  
SEPTEMBER/OCTOBER 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

SEPTEMBER/OCTOBER 1993

# REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993 UPDATE

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\*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.

**1. Land Disposal Restrictions for Newly Identified and Listed Hazardous Wastes and Hazardous Soil**

Under the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984, the Environmental Protection Agency (EPA) issues a proposed rule (ANPRM: 10-24-91) to revise the existing hazardous waste land disposal restrictions (LDR) program and to establish LDR treatment standards for certain newly identified and listed hazardous wastes. Several revisions to the LDR program are proposed to improve its implementation. First, EPA is proposing to develop a set of "universal" treatment standards for over 200 organic and metal constituents. Specifically, a concentration-based limit is proposed for each hazardous constituent that would serve as the treatment standard for the constituents regardless of the hazardous waste in which they are present. Second, alternative treatment standards are proposed for soils contaminated with hazardous waste (i.e., "hazardous soil"). The Agency presents three different approaches for developing technology-based treatment standards for hazardous soils, with the proposed universal treatment standards serving as the "base" standards under each approach. The approaches allow treatment to levels above the universal standards and differ primarily in the extent of treatment required. These proposed standards would also apply to soil contaminated with radioactive mixed waste (RMW). Other proposed revisions include simplifying the requirements for land disposal of lab packs containing hazardous waste and modifying the paperwork requirements for the LDR regulations. EPA is also proposing changes to the hazardous waste recycling regulations under RCRA to provide streamlined mechanisms that would encourage environmentally protective recycling of specific wastestreams.

The newly identified wastes for which treatment standards are proposed are the new organic toxicity characteristic wastes (TC organic wastes) except those managed in Clean Water Act (CWA) systems, CWA equivalent systems, or Class I Safe Drinking Water Act (SDWA) injection wells. The covered TC organic wastes are identified with RCRA wastes codes D018 through D043. For these wastes, EPA is proposing to require treatment to meet the proposed universal standards for the TC constituents and for any underlying hazardous constituents present in the wastes. As with the proposed standards for hazardous soils, the treatment standards would apply to radioactive wastes mixed with one of the covered organic TC wastes. The newly listed wastes for which treatment standards are proposed are coke by-product production wastes and chlorotoluene wastes. Finally, the Agency proposes to grant a two-year national capacity variance from the proposed treatment standards for: (1) radioactive wastes mixed with the newly identified and listed wastes covered in the proposal, (2) hazardous soil and debris contaminated with the newly identified and listed wastes covered in the proposal, and (3) hazardous soil contaminated with newly listed wastes covered in EPA's August 18, 1992, Phase I LDR rule (e.g., F037 and F038 petroleum refining wastes). A 90-day national capacity variance is also proposed for compliance with the treatment standards proposed for the newly identified and listed wastes in the proposal. Comments and data in response to the

proposed rule were accepted until November 15, 1993.  
(9-14-93, 58 FR 48092, RU# 840-305.00)

## **2. Revisions to the NCP - Final and Proposed Rules**

To implement section 121(d)(3) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), EPA issues a final rule (NPRM: 11-29-88) amending the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) at 40 CFR part 300 to add a new section (300.440) detailing the procedures for the off-site transfer of CERCLA hazardous substances, pollutants, or contaminants (i.e., CERCLA wastes) resulting from CERCLA-authorized or -funded response actions. The intent of the rule is to avoid having the off-site transfer of CERCLA wastes contribute to present or future environmental problems by directing the wastes to management units determined to be environmentally sound. The definition of "off-site" includes all areas not covered by the CERCLA definition of "on-site," which includes "all suitable areas in very close proximity to the contamination necessary for implementation of the response action." The rule generally requires that facilities used for the off-site management of CERCLA wastes must be in physical compliance with RCRA or other applicable federal and state laws. For wastes transferred to a RCRA subtitle C facility, the receiving unit at the facility must not have releases of any hazardous waste, constituent, or substance. When transferred to a RCRA subtitle C land disposal facility, no such releases must be occurring from non-receiving units unless the release is being addressed by a corrective action agreement. Further, environmentally significant releases from non-receiving units at subtitle C treatment and storage facilities, and from all units at other-than-subtitle C facilities, must also be under a corrective action program prior to use of any unit at the facility for the management of CERCLA wastes. For applicable facilities, the rule exempts de minimis releases, federally-permitted releases, and releases to the air that do not exceed standards under RCRA section 3004(n), or do not present a threat to human health or the environment. EPA, in consultation with the appropriate state, will make the final determination of a facility's acceptability for receiving CERCLA wastes based on the criteria set out in the rule. The Agency also clarifies that the rule does apply to the off-site transfer of CERCLA wastes from federal facilities. The rule became effective on October 22, 1993.  
(9-22-93, 58 FR 49200, RU# 180-073.00)

EPA, in consultation with the National Response Team (NRT), is proposing additional revisions to the NCP under section 311 of the Clean Water Act, as amended by the Oil Pollution Act of 1990 (OPA). The OPA specified that the NCP be revised to expand prevention and preparedness activities and enhance the response capability of the federal government concerning oil and, to a lesser extent, hazardous substance spills. To meet this goal, EPA proposed revisions that will affect several NCP subparts. Subpart B (Responsibility and Organization for Response) is proposed to be revised in many respects to establish a organizational framework for implementing a strongly coordinated, multilevel oil spill response strategy. The proposed Subpart B revisions include the addition of several new entities to the national response system network including Area Committees

and the National Strike Force Coordination Center (NSFCC). Area Committees will be composed of federal, state, and local representatives working together to develop Area Contingency Plans (ACP), which are area-specific plans to address the removal of a worst-case discharge of oil and to mitigate or prevent a substantial threat of such a discharge. (The phrases "worst-case discharge" and "substantial threat of discharge" are defined in the proposal.) The NSFCC, administered by the U.S. Coast Guard (USGC), will focus its efforts on identifying, coordinating, and mobilizing all public and private spill removal resources. The key player in the response system is the on-scene coordinator (OCS), the lead federal official at the scene of a discharge responsible for taking whatever actions are necessary, consistent with federal law, to remove the threat posed. Other entities in the national response system, including the USGC's District Response Groups, are to utilize their expertise to support the OCS during a response action. The NRT, composed of representatives from several federal agencies including DOE, would be expected to add to its national preparedness and coordination activities the responsibility for recommending changes to the NCP to EPA. The proposal also contains significant revisions to Subpart D (Operational Response Phases for Oil Removal) to include the criteria and procedures for response to discharges that result in substantial threats to public health or welfare of the United States, and procedures and standards for preventing, mitigating, and removing a worst-case discharge. EPA will accept comments on the proposed revisions until December 20, 1993.  
(10-22-93, 58 FR 54702, RU# 145-003.00)

### **3. Protection of Stratospheric Ozone - Final Rule**

EPA, following consultation with the Administrator of the General Services Administration and the Secretary of Defense, promulgates stratospheric ozone protection regulations required under Title VI of the Clean Air Act (CAA). The rule requires each federal agency to conform its procurement regulations to Title VI and to maximize the substitution of safe alternatives for ozone-depleting substances as identified under section 612 of the CAA. Substances affected by this rule are ozone-depleting substances that are listed as either class I (i.e., chlorofluorocarbons, halons, carbon tetrachloride and methyl chloroform) or class II (i.e., hydrochlorofluorocarbons) substances under sections 604 and 606 of the CAA. Federal agencies will be required to comply with section 612, Significant New Alternatives Policy (SNAP) Program which states that "to the extent practicable, class I and class II substances shall be replaced by chemicals, product substitutes, or alternative manufacturing process that reduce overall risks to human health and the environment." Under the CAA, class I and class II substances are being phased out on different schedules. The rule indicates that class II substances may serve as interim substitutes for class I substances, which have the earlier phaseout schedule. In addition, EPA plans to issue a final rule on the SNAP Program (NPRM: 5-12-93) and a revised list of acceptable and prohibited substitutes in early 1994. Other requirements to which federal agencies will have to conform their procurement regulations and management practices include those dealing with (1) the recycling and reduction in emissions of ozone-depleting substances under CAA section 608, and (2) the servicing of motor vehicle air conditioners under CAA section 609. As required by the rule, federal agencies are to

certify to the Office of Management and Budget by October 22, 1994 that their procurement regulations have been modified. The rule complements Executive Order 12843, "Procurement Requirements and Policies for Federal Agencies for Ozone-Depleting Substances," which was issued by the President of the United States (4-23-93, 58 FR 21881). The rule becomes effective on November 22, 1993. (10-22-93, 58 FR 54892, RU# 120-508.00)

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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			
*840-051.01	SW Disposal Facility Criteria - Effective Date Delayed for Small Landfills, Financial Assurance 40 CFR 257 40 CFR 258	NPRM 58 FR 40568 07/28/93 Final rule 58 FR 51536 10/01/93 Corrections 58 FR 53136 10/14/93	EPA delays (1) the effective date of the revised solid waste disposal facility criteria for certain small landfills to 4/9/94, and (2) the financial assurance requirements of the rule for all covered landfills to 4/9/95. EPA also adds certain exemptions and delays compliance dates for other specific requirements. EPA will also continue to accept comments on possible alternative groundwater monitoring standards for small landfills until a final decision is reached on this. EPA corrects errors in the table "Summary of Changes to the Effective Dates of MSWLF Criteria" that appeared in the preamble to the final rule.	<u>Amendments effective 10/9/93; effective date delayed to 4/9/94 for small landfills and to 4/9/95 for financial assurance requirements. Corrections effective 10/14/93.</u>
*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 Regulatory Agenda 58 FR 57055 10/25/93	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 11/93.
*840-107.00	Location Standards for TSD Facilities 40 CFR 261 40 CFR 264 40 CFR 265 40 CFR 270	Notice 55 FR 19981 05/14/90 Planned NPRM 58 FR 57045 10/25/93	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 2/95.
*840-133.01	Solid Waste Management Units - Corrective Action Subpart S (Phase II) 40 CFR 264 40 CFR 270	NPRM 55 FR 30798 07/27/90 NOA 58 FR 18395 04/09/93 Regulatory Agenda 58 FR 57054 10/25/93	EPA proposes procedures and technical requirements for implementing corrective action at RCRA solid waste management units (SWMUs). 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 Fate, Transport, and Exposure Model" and the draft regulatory impact analysis (RIA) report.	<u>Final rule 10/94.</u>

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*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 07/22/91 NOA 57 FR 43171 09/18/92 Regulatory Agenda 58 FR 57055 10/25/93	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.	<u>Final rule 3/94.</u> <u>Effective six months after promulgation.</u>
*840-142.03	Air Emissions for TSD Facilities - Site-Specific Models - Phase III 40 CFR 264 40 CFR 265	Planned ANPRM 58 FR 57076 10/25/93	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.	<u>ANPRM 3/94.</u>
*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 05/30/91 NPRM 57 FR 958 01/09/92 Notice 57 FR 20766 05/15/92 Final rule 57 FR 37194 08/18/92 Correction 57 FR 39275 08/28/92 Correction 57 FR 41173 09/09/92 Final rule 58 FR 28506 05/14/93	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. EPA issues an extension until May 8, 1994 of the case-by-case capacity variance of the LDRs for certain hazardous debris and notes that, by statute, no further variances or extensions can be given beyond May 5, 1994.	Final rule effective 6/30/92 except: LDRs effective 11/9/92, standards for generators, owners and operators effective 2/18/93. Case-by-case capacity variance of LDRs for certain debris extended to 5/8/94. <u>Comments on EPA's decision not to exclude from Subtitle C regulation hazardous debris that is treated by immobilization are requested as part of the RUP 840-305.00 NPRM.</u>

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<b>RU NO.</b>	<b>REQUIREMENT</b>	<b>STATUS (a)</b>	<b>ANTICIPATED CHANGES</b>	<b>SCHEDULED ACTION</b>
*840-151.00	Compliance Monitoring and Enforcement - State Programs 40 CFR 271.15 40 CFR 271.16	Planned NPRM 58 FR 57046 10/25/93	The regulations for state authorization requirements for compliance monitoring and enforcement will be revised to reflect NSWA. EPA will consider other changes, such as the requirement for states to have administrative penalty authority.	NPRM 1/94.
*840-165.00	State Hazardous Waste Management Program - Wisconsin 40 CFR 272	Immediate final rule 58 FR 49199 09/22/93	EPA incorporates by reference EPA's approval of recent revisions to Wisconsin's state hazardous waste management program, subject to public review and comment.	<u>Effective 11/22/93.</u>
*840-171.00	Groundwater Monitoring at Hazardous Waste Facilities - Subpart F 40 CFR 260 40 CFR 264 40 CFR 270	NPRM 53 FR 28160 07/26/88 Regulatory Agenda 58 FR 57054 10/25/93	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 2/94.
*840-173.01	Solid Waste Test Methods (Manual SW-846 Third Edition - Update II) 40 CFR 260	NPRM 58 FR 46052 08/31/93 Regulatory Agenda 58 FR 57051 10/25/93	EPA proposes 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.	<u>Final rule 4/94.</u>
*840-175.00	Releases to Groundwater (Subpart F) - Corrective Action 40 CFR 264 40 CFR 270	Planned NPRM 58 FR 57045 10/25/93	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.	<u>NPRM placed on hold pending final action on Subpart S (RU# 840-133.01) in 10/94.</u>
*840-176.00	Groundwater Monitoring - Hazardous Constituents and Methods 40 CFR 264 40 CFR 270	Planned NPRM 58 FR 57046 10/25/93	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, and may revise and incorporate chapter 11 of SW-846.	NPRM 12/93.

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*840-180.00	State Hazardous Waste Management Program - Alabama 40 CFR 271	Immediate final rule 58 FR 49932 09/24/93	EPA grants final authorization to Alabama for revisions to its state hazardous waste management program, specifically, for HSWA Cluster II requirements and organic air emission standards, subject to public review and comment.	<u>Effective 11/23/93.</u>
*840-185.00	USTs Containing Hazardous Substances - Financial Responsibility 40 CFR 280	ANPRM 53 FR 3818 02/09/88 Planned NPRM 58 FR 57049 10/25/93	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.	<u>NPRM 12/94. Final rule 12/95.</u>
*840-193.00	No-Migration Variance for Restricted Hazardous Waste Land Disposal 40 CFR 268	Notice 56 FR 46431 09/12/91 NPRM; NOA 57 FR 35940 08/11/92 Regulatory Agenda 58 FR 57050 10/25/93	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 BDAT treatment standards and announces the availability of a draft guidance manual for petitioners seeking the variance.	Final rule 8/94.
840-211.01	Hazardous Waste Manifest System 40 CFR Chapter 1	Notice 57 FR 44147 09/24/92 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 10/94.
*840-212.00	State Hazardous Waste Management Program - Mississippi 40 CFR 271	Immediate final rule 58 FR 54044 10/20/93	EPA grants final authorization to Mississippi for revisions to its state hazardous waste management program, specifically, to the HSWA Cluster II provisions, subject to public review and comment.	<u>Effective 12/20/93.</u>

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*840-221.00	Use of Groundwater Data in Delisting Petitions - Subpart C 40 CFR 260.22	NPRM 54 FR 41930 10/12/89 Regulatory Agenda 58 FR 57051 10/25/93	EPA proposes to require those who submit delisting petitions for hazardous wastes to provide groundwater monitoring data as part of their petition.	Final rule 12/93.
840-231.00	Waste Minimization Program for Hazardous Waste Generators	Draft guidance document 54 FR 25055 06/12/89 Interim final guidance 58 FR 31114 05/28/93	EPA publishes interim final guidance to assist hazardous waste generators and owners/operators of hazardous waste TSDFs in complying with the waste minimization certification requirements of RCRA Sects. 3002(b) and 3005(h).	<u>Final guidance undetermined.</u>
*840-238.00	State Hazardous Waste Management Program - Michigan 40 CFR 271	Immediate final rule 58 FR 51244 10/01/93	EPA grants final authorization to Michigan for revisions to its state hazardous waste management program, subject to public review and comment.	<u>Effective 11/30/93.</u>

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
840-244.00	Standards for the Tracking and Management of Medical Waste 40 CFR 259	Interim final rule 54 FR 12326 03/24/89 Notice; final rule amendments 54 FR 24310 06/06/89 NOA 55 FR 1770 01/18/90 Corrections 55 FR 27228 07/02/90 NOA 55 FR 28096 07/09/90 NOA 55 FR 43219 10/26/90 NOA 56 FR 2178 01/22/91	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 12/93.
*840-248.01	Subtitle C Corporate Financial Test Criteria 40 CFR 264 40 CFR 265 40 CFR 280 40 CFR 761	Planned final rule 58 FR 57054 10/25/93	EPA will issue a final rule addressing corporate third party liability coverage and post-closure deed requirements for TSD owners and operators to satisfy Subtitle C financial test criteria.	No schedule for final rule as yet. No action until 1/94.
*840-250.01	DOE Case-by-Case Extension on Mixed Waste Storage - Petition 40 CFR 268	Notice of proposed decision 57 FR 22024 05/26/92	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. <u>Will probably never take further action on this.</u>

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
840-250.02	EPA/NRC Guidance on Testing Mixed Radioactive and Hazardous Waste	NOA 57 FR 10508 03/26/92	NRC 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 12/93.
*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 extension expired 5/8/93. <u>No EPA initiative to extend it is planned. A two-year national capacity variance, however, is proposed in the RU# 840-305.00 NPRM.</u>
*840-250.05	LDRs for Third Third Wastes - Revised Toxicity Characteristic Waste Standards 40 CFR 148 40 CFR 261 40 CFR 264 40 CFR 265 40 CFR 268 40 CFR 270 40 CFR 271	NOA 58 FR 4972 01/19/93 Interim final rule 58 FR 29860 05/24/93	A recent court decision vacated the deactivation treatment standards for certain ignitable and corrosive wastes and remanded the standards for certain other ignitable and corrosive wastes treated by dilution and discharges under the CWA or SDWA Class I wells. EPA now replaces the vacated treatment standards for certain D001 ignitable and D002 corrosive wastes to avoid an absolute ban on land disposal of these wastes when the court's mandate becomes effective. The remanded standards remain in effect until EPA acts to replace them in a future rulemaking (see RU# 840-250.06).	Interim final rule effective 5/10/93. <u>Comments on the approach EPA used in the interim final rule are requested as part of the RU# 840-305.00 NPRM.</u>
*840-250.06	LDRs Phase III - Wastes Going to CWA and SDWA Systems Whose Treatment Standards Were Remanded 40 CFR 268	Planned NPRM 58 FR 57040 10/25/93	EPA will propose a rule to replace those rules remanded pursuant to a recent court ruling. This rule will establish treatment standards for characteristic wastes primarily managed in land-based wastewater treatment systems whose ultimate discharge is regulated under the CWA and are disposed in Class I SDWA injection wells.	<u>NPRM 12/94. Final rule 12/95.</u>
*840-251.00	Hazardous Waste Sump Requirements 40 CFR 260 40 CFR 264 40 CFR 265	Regulatory Agenda 58 FR 57056 10/25/93	EPA will propose to extend the deadline by which certain existing sumps that are used to manage hazardous waste must have their integrity tested. EPA would allow an additional year (total of 24 months) to conduct integrity assessments. This requirement would apply to existing sumps that are situated inside buildings and constructed as an integral part of the building's floor or foundation.	<u>Withdrawn 8/12/93.</u>

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## REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*840-275.00	State Hazardous Waste Management Program - New Mexico 40 CFR 272	Immediate final rule 58 FR 52677 10/12/93	EPA incorporates by reference the New Mexico authorized hazardous waste management program statutes and regulations that it will enforce under Sect. 3008 of RCRA.	<u>Effective 12/13/93.</u>
*840-277.00	State Hazardous Waste Management Program - Arkansas 40 CFR 272	Immediate final rule 58 FR 52674 10/12/93	EPA incorporates by reference the Arkansas authorized hazardous waste management program statutes and regulations that it will enforce under Sect. 3008 of RCRA.	<u>Effective 12/13/93.</u>
*840-280.00	State Hazardous Waste Management Program - Oklahoma 40 CFR 271	Immediate final rule 58 FR 50854 09/29/93	EPA grants final authorization to Oklahoma for revisions to its state hazardous waste management program, subject to public review and comment.	<u>Effective 11/29/93.</u>
		Immediate final rule 58 FR 52679 10/12/93	EPA incorporates by reference the Oklahoma authorized hazardous waste management program statutes and regulations that it will enforce under Sect. 3008 of RCRA.	<u>Effective 12/13/93.</u>
*840-286.00	Permit Modifications to Hazardous Waste Management Facilities to Correct Omitted Requirements 40 CFR 270.41	Planned NPRM 58 FR 57040 10/25/93	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 1/94. Final rule 10/94.</u>
*840-287.00	Adequacy Determinations for State/Tribal Municipal Solid Waste Programs 40 CFR 239	Planned NPRM 58 FR 57047 10/25/93	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 7/94. Final rule 5/95.</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 58 FR 57056 10/25/93	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>Withdrawn 9/24/93.</u>

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*840-295.00	Treatment of Indian Tribes as States Under RCRA Subtitle C 40 CFR 271	Planned NPRM 58 FR 57046 10/25/93	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 4/94. Final rule 12/94.</u>
*840-298.00	State Hazardous Waste Management Program - South Dakota 40 CFR 271	Immediate final rule 58 FR 47216 09/08/93	EPA grants final authorization to South Dakota for revisions to its state hazardous waste management program, specifically, approval of its public availability of information requirements, subject to public review and comment.	<u>Effective 11/8/93.</u>
*840-301.00	State Hazardous Waste Management Program - Arizona 40 CFR 271	Immediate final rule 58 FR 57745 10/27/93	EPA grants final authorization to Arizona for revisions to its state hazardous waste management program, subject to public review and comment.	<u>Comments by 11/26/93.</u> <u>Effective 12/27/93.</u>
840-302.01	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 12/93.
*840-305.00	Treatment and Disposal of Hazardous Soil and Newly Identified Wastes (IC Organic Wastes) - LDRs Phase II 40 CFR 268	ANPRM 56 FR 55160 10/24/91 NPRM 58 FR 48092 09/14/93	EPA proposes treatment standards for newly identified organic toxicity characteristic wastes and newly-listed coke by-product and chlorotoluene production listed wastes, and alternative treatment standards for soil contaminated with hazardous wastes. EPA also proposes (1) capacity variances for mixed radioactive wastes and debris contaminated with wastes covered under this proposal and for soils contaminated with other newly listed wastes, (2) "universal" treatment standards for organic and metal constituents in hazardous wastes, (3) modifications to the hazardous waste recycling regulations to broaden the "closed loop" provision, and (4) options for monitoring additional hazardous constituents when managing ignitable and corrosive wastes.	<u>Comments by 11/15/93.</u> <u>Final rule 7/94.</u>
*840-307.00	Hazardous Waste Recycling - Batteries, Recalled Pesticides; Use Constituting Disposal (Universal Waste Rule) 40 CFR 261 40 CFR 266	NPRM 58 FR 8102 02/11/93 Regulatory Agenda 58 FR 57050 10/25/93	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 1/94. NPRM on "use constituting disposal" put on delayed track; no schedule as yet.

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## REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*840-307.01	Exclusion of Fluorescent Lamps from HW Management - Inclusion in Universal Waste Rule 40 CFR 261	Planned NPRM 58 FR 57044 10/25/93	Because fluorescent lamps do not create environmental problems when disposed of in landfills, EPA is considering options for exempting them from toxicity characteristic and options for reducing Subtitle C requirements by including lamps in the "Universal Waste" rule.	<u>NPRM 12/93.</u>
*840-310.00	Hazardous Waste Identification Rule (Mixture and Derived From) - "Waste Exemption Rule" 40 CFR 260 40 CFR 261 40 CFR 262 40 CFR 264 40 CFR 265 40 CFR 270 40 CFR 271 40 CFR 302	Interim final rule 57 FR 7628 03/03/92 NPRM 57 FR 7636 03/03/92 NPRM 57 FR 21450 05/20/92 Technical corrections 57 FR 23062 06/01/92 Final rule 57 FR 49278 10/30/92 Withdrawal of NPRM 57 FR 49280 10/30/92 Planned reproposal of NPRM 58 FR 57042 10/25/93	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 and withdraws its 5/20/92 proposed CBEC/ECHO HWIR while EPA determines the most appropriate approach for modification of the rules. EPA intends to promulgate revisions to such "mixture" and "derived from" rules.	Interim final rule effective 2/18/92. Corrections effective 6/1/92. Withdrawal of 5/20/92 NPRM effective 10/30/92. <u>Reproposed NPRM 10/94. Final rule 10/95.</u>
*840-313.00	LDRs Phase IV - Newly Identified Wastes and Mineral Processing Wastes 40 CFR 268	ANPRM 57 FR 55160 10/24/91 Planned NPRM 58 FR 57045 10/25/93	EPA will propose BDAT and LDRs for wood preserving waste, spent aluminum potliners, characteristically hazardous mineral processing wastes, and TC metals.	<u>NPRM 6/95. Final rule 6/96.</u>

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 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 58 FR 57041 10/25/93	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 12/93. Final rule 12/94.
*840-317.00	Interim Status Groundwater Monitoring Requirements for Newly Regulated Land Disposal Facilities 40 CFR 265 40 CFR 270	Planned NPRM 58 FR 57041 10/25/93	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 58 FR 57041 10/25/93	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, acetonitrile, 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 58 FR 57042 10/25/93	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	Regulatory Agenda 58 FR 57056 10/25/93	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.	Withdrawn 8/12/93.

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*840-321.00	Suspension of the TC Rule for Non-UST Petroleum Contaminated Media 40 CFR 261	NPRM 57 FR 61542 12/24/92 Regulatory Agenda 58 FR 57052 10/25/93	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 undetermined; may never be issued.
*840-322.00	Applicability of the TC Rule to Petroleum-Contaminated Media and Debris from USTs 40 CFR 261	NPRM 58 FR 8504 02/12/93 Regulatory Agenda 58 FR 57052 10/25/93	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 12/93.
*840-323.00	Identification and Listing of Hazardous Waste - Treatability Studies Sample Exemption 40 CFR 261	NPRM 58 FR 36367 07/07/93 Regulatory Agenda 58 FR 57052 10/25/93	EPA proposes to revise the existing small-scale treatability studies Subtitle C exclusions to allow up to 10,000 kg of soil and debris contaminated with non-acute hazardous waste from a single waste stream to be treated.	Final rule 1/94.
*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 58 FR 57042 10/25/93	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.	All rulemaking activity on hold indefinitely.
*840-325.00	Field Filtering of Ground Water Samples Under Subtitles C and D 40 CFR 258.51(b)	Planned NPRM 58 FR 57046 10/25/93	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 on hold; may issue by 12/93.

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*840-326.00	Clarify Lender Liability for Underground Storage Tanks 40 CFR 280	Planned NPRM 58 FR 57048 10/25/93	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.	<u>NPRM 4/94. Final rule 4/95.</u>
*840-328.00	Hazardous Waste Imports/Exports - Implementation of OECD Decision for Recyclable Wastes 40 CFR 260-266	Planned final rule 58 FR 57052 10/25/93	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.	<u>Final rule 12/93.</u>
*840-329.00	Modifications to Definition of Solid Waste and Hazardous Waste Recycling 40 CFR 261 40 CFR 266	Planned ANPRM 58 FR 57040 10/25/93	EPA will propose to improve the implementation of the regulations that define a solid waste and the regulations governing the recycling of hazardous wastes.	<u>ANPRM delayed until 5/94.</u>
840-330.00	Standard on Safe Entry and Cleaning of Petroleum Storage Tanks	NOI 58 FR 3934 01/12/93	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 undetermined.
*840-333.00	RCRA Groundwater Monitoring - Technical Guidance Document	NOA 58 FR 54151 10/20/93	EPA announces the availability of a guidance manual entitled, "RCRA Groundwater Monitoring: Draft Technical Guidance," designed to assist owners and operators of hazardous waste facilities in implementing groundwater monitoring regulations at regulated units. The manual is intended to update and supplement information in other sources including Chapter eleven of the SW-846 test manual.	<u>Comments by 2/17/94.</u>
*840-334.00	Public Participation and Permitting under RCRA 40 CFR 270	Planned NPRM 58 FR 57044 10/25/93	EPA will propose a rule to expand public involvement at various stages during RCRA permitting, particularly for combustion units. Also, the permit appeal procedures may be amended for situations where a permit has been denied, yet the facility is still operating.	<u>NPRM 1/94. Final rule 10/94.</u>

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*840-335.00	Revised Technical Standards for Hazardous Waste Combustion Facilities 40 CFR 264 40 CFR 266	Planned NPRM 58 FR 57044 10/25/93	The Draft Strategy for Combustion Hazardous Waste commits EPA to upgrade its technical standards for burning hazardous waste in incinerators, boilers, and industrial furnaces. These standards would be applicable during the construction and operation of these combustion facilities.	<u>NPRM 1/95. Final rule 6/96.</u>
*840-336.00	Rule Identifying When Military Munitions Become Hazardous Wastes 40 CFR 260-262 40 CFR 264-265 40 CFR 270	Planned NPRM 58 FR 57045 10/25/93	This rule will identify when military munitions, ordnance, and chemical warfare agents become hazardous wastes subject to federal hazardous waste transport, storage, treatment, and disposal rules. The rule may also identify management standards for such wastes.	<u>NPRM 2/94. Final action 10/94.</u>
*840-337.00	Cathodically Protected USTs - Potential for External Corrosion	NOA 58 FR 55066 10/25/93	EPA announces the availability of a report completed by Tillinghast, a Towers Perrin Company, on behalf of the Steel Tank Institute. The report examines the potential for external corrosion of sti-P3 USTs as well as owners' and operators' corrosion monitoring practices for USTs.	<u>Comments by 12/27/93.</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	Type B Natural Resource Damage Assessments - Revisions 43 CFR 11	ANPRM 54 FR 39016 09/22/89 NPRM 56 FR 19752 04/29/91 Regulatory Agenda 58 FR 56466 10/25/93	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.	<u>Final rule 3/94.</u>
*180-025.01	Type B Natural Resource Damage Assessments - Biennial Review 43 CFR 11	Planned ANPRM 58 FR 56465 10/25/93	As required under CERCLA Sect. 301(c)(3), EPA will begin a biennial review of the type B natural resource damage assessment rule (RU# 180-025.00) once its revisions are finalized.	<u>ANPRM 9/94.</u>

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*180-042.00	Federally Permitted Releases 40 CFR 117 40 CFR 302 40 CFR 355	NPRM 53 FR 27268 07/19/88 Supplemental Notice 54 FR 29306 07/11/89 Regulatory Agenda 58 FR 57091 10/25/93	EPA proposes to clarify the federally permitted release exemptions from CERCLA release reporting and liability provisions.	<u>Final rule undetermined; on hold.</u>
180-056.00	Designation of Extremely Hazardous Substances as CERCLA Hazardous Substances 40 CFR 302	NPRM 54 FR 3388 01/23/89 Notice 54 FR 15802 04/19/89 Regulatory Agenda 58 FR 25087 04/26/93	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 EHSs.	Final rule on hold until Assistant Administrator appointed.
180-072.00	RQ Adjustments for Substances on the Extremely Hazardous Substances List 40 CFR 302 40 CFR 355	NPRM 54 FR 35988 08/30/89 Regulatory Agenda 58 FR 25087 04/26/93	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 on hold until Assistant Administrator is appointed.
*180-073.00	National Contingency Plan - Off-Site Response Actions	NPRM 53 FR 48218 11/29/88 Final rule 58 FR 49200 09/22/93	EPA amends the National Contingency Plan by adding a new Sect. 330.440 which establishes criteria and procedures for determining whether facilities are acceptable for the off-site receipt of CERCLA waste by establishing compliance and release criteria for the facility.	<u>Effective 10/22/93.</u>

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## REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*180-077.00	Natural Resource Damage Assessments-Type A - Coastal and Marine Environment 43 CFR 11	ANPRM 54 FR 5093 02/01/89 ANPRM 54 FR 39013 09/22/89 Planned NPRM 58 FR 56466 10/25/93	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.	<u>NPRM 5/94.</u>
*180-077.01	Natural Resource Damage Assessments - Type A - Great Lakes Environment 43 CFR 11	ANPRM 53 FR 20143 06/02/88 ANPRM 54 FR 39015 9/22/89 Correction 54 FR 41363 10/06/89 Planned NPRM 58 FR 56466 10/25/93	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.	<u>NPRM 2/94.</u>
*180-086.00	Toxicological Profiles	NOA 58 FR 46196 09/01/93  NOA 58 FR 51352 10/01/93  NOA 58 FR 53739 10/18/93	ATSDR announces the availability of ten new draft toxicological profiles and one technical report on unregulated hazardous substances. The substances profiled include fuel oils; jet fuels; gasoline; RDX; tetryl; diethyl phthalate; stoddard solvent; 1,3-DNB; 1,3,-TNB; 2,4,6-TNT; and ethylene and propylene glycol.  ATSDR announces the availability of updated final toxicological profiles of 21 priority hazardous substances commonly found at WPL sites.  ATSDR announces the availability of 11 draft toxicological profiles of priority hazardous substances under CERCLA.	<u>Comments by 11/29/93.</u>   <u>Comments by 2/21/94.</u>
*180-086.01	Chemicals Nominated for Toxicological Studies	Notice 58 FR 51637 10/04/93	The National Toxicology Program announces the nomination of twelve chemicals for toxicological studies and requests any information and data interested parties may have.	

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*180-092.00	National Contingency Plan - Subpart K, Federal Facilities Requirements 40 CFR 300	Planned NPRM 58 FR 57089 10/25/93	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.	<u>May withdraw rulemaking initiative; decision by 11/93.</u>
*180-096.00	CERCLA Cost Recovery Program 40 CFR 300 40 CFR 308	NPRM 57 FR 34742 08/06/92 Regulatory Agenda 58 FR 57091 10/25/93	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 2/94.</u>
*180-106.00	Procedures for Reimbursement Petitions Under CERCLA	NOA 57 FR 36402 08/13/92 Planned NPRM 58 FR 57089 10/25/93	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.	NPRM 9/94.
*180-119.00	CAA Hazardous Pollutants and RCRA Hazardous Waste Streams - Designation and RQ Adjustments 40 CFR 117 40 CFR 302 40 CFR 355	NPRM 58 FR 54836 10/22/93	EPA proposes to designate as CERCLA hazardous substances 52 non-CERCLA hazardous air pollutants recently added to Sect. 112 of the CAA by the amendments of 1990 and adjust the RQs of these hazardous air pollutants. EPA also proposes to adjust the RQs of 15 RCRA waste streams.	<u>Comments by 12/20/93.</u> <u>Final rule 9/94.</u>
*180-120.00	Procedures for Contract Laboratory Program Investigation - NCP Appendix 40 CFR 300	NPRM 57 FR 21576 05/20/92 Regulatory Agenda 58 FR 57092 10/25/93	EPA proposes procedures for OSWER to deal consistently with Contract Laboratory Program (CLP) labs under investigation for alleged fraud.	Final rule 12/93.

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*180-124.00	Settlement Policy on Risk Assessments at Superfund Sites	Notice 57 FR 6116 02/20/92 NOA 58 FR 13757 03/15/93 NOA 58 FR 47275 09/08/93	EPA announces the availability of (1) its new policy on potentially responsible party risk assessments at Superfund sites, contained in OSWER Directive No. 9835.15b, and (2) its responses to comments on EPA's Risk Assessment Evaluation Report.	<u>Effective immediately.</u>
*180-126.00	National Priorities List - Thirteenth Update 40 CFR 300	NPRM 57 FR 47204 10/14/92 Regulatory Agenda 58 FR 57092 10/25/93	EPA proposes to add nine sites, including one federal facility site, to the NPL. The federal facility site is a naval air station.	<u>Final rule 6/94.</u>
*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 01/25/93 Regulatory Agenda 58 FR 57091 10/25/93	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.	<u>Final rule 12/94.</u>
*180-134.00	National Priorities List - Fourteenth Update 40 CFR 300	NPRM 58 FR 27507 05/10/93 Regulatory Agenda 58 FR 57092 10/25/93	EPA proposes to revise the National Priorities List (NPL) for uncontrolled waste sites to add 7 sites, including DOE's Paducah Gaseous Diffusion Plant (PGDP), to the federal facilities section and 19 sites to the general section.	<u>Final rule 12/93.</u>
*180-135.00	National Contingency Plan - Technical Revisions 40 CFR 35 40 CFR 300	NPRM 58 FR 53688 10/13/93	EPA has identified several provisions in the NCP that may be interpreted differently than the Agency intended. EPA now proposes clarifications to four sections of the NCP to eliminate potential ambiguity and reaffirm the Agency's original intent.	<u>Comments by 11/17/93.</u> <u>Final rule undetermined.</u>

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*180-136.00	Hazardous Substance Response and Emergency Response Worker Training and Contractor Certification Program CFR undetermined	Planned NPRM 58 FR 56278 10/25/93	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.	<u>NPRM 10/94.</u>
180-139.00	Environmental Data Needed for Public Health Assessments	NOA 58 FR 12306 03/03/93	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.	Final guidance document undetermined.
*180-140.00	National Priorities List - Fifteenth Update 40 CFR 300	NPRM 58 FR 34018 06/23/93 Regulatory Agenda 58 FR 57092 10/25/93	EPA proposes to revise the National Priorities List (NPL) for uncontrolled waste sites to add seven sites to the general section and ten to the federal facilities section. None of the proposed sites are DOE sites.	<u>Final rule 6/95.</u>
*180-143.00	Priority Public Health Assessments at DOE and DOD Facilities	Notice 57 FR 37382 08/18/92 Notice 58 FR 49517 09/23/93	ATSDR publishes a ranking of 115 DOE and DOD facilities based on the interim Site Ranking Scheme (published 8/18/92) to determine priorities for conducting public health assessments due to an NPL listing or a citizen request.	
FEDERAL FACILITIES COMPLIANCE ACT				
*185-001.00	National Compliance Plan for DOE Mixed Waste	NOA 57 FR 57170 12/03/92	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.	<u>Initiative dropped; replaced by a substitute process mandated in the FFCA.</u>

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*185-004.00	FFCA - Enforcement Authorities Implementation	Notice 58 FR 49044 09/21/93	EPA publishes supplementary information on how it will implement its new enforcement authorities granted by the Federal Facilities Compliance Act (FFCA) of 1992 to issue compliance orders to federal agencies pursuant to RCRA Sect. 3008.	<u>Effective 7/6/93.</u>
SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT				
Mandatory Pollution Prevention Reporting in TRI Reports -- RU# 195-002.00				
SARA Section 110 Chemicals Generic Test Rule -- RU# 920-113.00				
190-049.01	Toxic Chemical Release Reporting - Barium Sulfate 40 CFR 372	NPRM 58 FR 32622 06/11/93	In response to petitions, EPA proposes to exempt barium sulfate from the reporting requirements of the "barium compounds" category of the toxic chemicals list under Sect. 313 of EPCRA.	Final rule undetermined.
190-053.00	Toxic Chemical Release Reporting - Ammonium Sulfate 40 CFR 372	NPRM 55 FR 12144 03/30/90 NOA 55 FR 12148 03/30/90	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.
190-059.00	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 07/01/91	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 2/94.
*190-060.00	Toxic Chemical Release Reporting - Sulfuric Acid 40 CFR 372	NPRM 56 FR 34156 07/26/91	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.	<u>Final rule 1/94.</u>
*190-061.00	Addition of Air Toxics to Toxics Release Inventory 40 CFR 372	Planned NPRM 58 FR 25015 04/26/93	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.	<u>NPRM 1/94.</u>

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## REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
190-063.00	Toxic Chemical Release Reporting - HCFCs 40 CFR 372	NPRM; NOA 57 FR 28159; 28180 06/24/92	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 12/93.
*190-064.00	Toxic Chemical Release Reporting - Addition of Chemicals; SMUR 40 CFR 372 40 CFR 721	NPRM 57 FR 41020 09/08/92 NOA 58 FR 47709 09/10/93	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. EPA makes available additional support documents and information added to the docket for the proposed rule.	<u>Final rule 12/93.</u>
*190-065.00	Amendments to the Extremely Hazardous Substances List Under EPCRA 40 CFR 355	Planned NPRM 58 FR 57090 10/25/93	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 1/94. Final rule 12/94.
190-066.00	EPCRA Toxic Release Inventory - Expanded Reporting Requirements 40 CFR 372	Planned NPRM 58 FR 25015 04/26/93	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 12/93.
*190-067.00	Toxic Chemical Release Reporting - Deletion of Di-n-octyl phthalate 40 CFR 372	NPRM 58 FR 4133 01/13/93 Final rule 58 FR 51785 10/05/93	EPA deletes di-n-octyl phthalate from the list of toxic chemicals subject to reporting under Sect. 313 of EPCRA.	<u>Effective 10/5/93.</u>
190-070.00	Toxic Chemical Release Reporting - Glycol Ethers 40 CFR 372	NPRM 58 FR 36180 07/06/93	EPA proposes to change the present definition of the glycol ethers category to exclude the high molecular weight glycol ethers (surfactant glycol ethers) that do not meet the criteria set out for Sect. 313 toxic chemical release.	Final rule 7/94.

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RUM NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
<b>POLLUTION PREVENTION ACT</b>				
195-022.00	Mandatory Pollution Prevention Reporting in TRI Reports 40 CFR 372	NPRM 56 FR 48475 07/25/91 Notice 57 FR 22330 05/27/92 Regulatory Agenda 58 FR 25020 04/26/93	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 3/94.
<b>SAFE DRINKING WATER ACT</b>				
Drinking Water Chemicals Proposed Test Rule - RUM 920-123.00				
Non-APA Consolidated Rules of Practice for Administrative Assessment of Civil Penalties Under CERCLA, SARA, SDWA, and CWA - RUM 190-059.00				
*880-007.00	Primary Drinking Water Regulations - Radionuclides (Phase IV) 40 CFR 141 40 CFR 142	ANPRM for MCLs 51 FR 34836 09/30/86 ANPRM for MCLGs 48 FR 45502 10/05/83 NPRM 56 FR 33050 07/18/91 Corrections 56 FR 43573 09/03/91 Corrections 56 FR 52241 10/18/91 Regulatory Agenda 58 FR 25036 04/26/93	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. In addition, this rule will also establish analytical techniques to identify radium-228 in drinking water.	Will not meet 10/93 deadline; negotiating a new date, probably 10/94.
*880-010.02	Reconsideration of WPDWRs - Aldicarb and Atrazine 40 CFR 141	Planned NPRM 58 FR 25035 04/26/93	EPA is reconsidering the WPDWRs for aldicarb, aldicarb sulfone, aldicarb sulfoxide and atrazine because new analyses of critical studies have caused the RFDs for all four chemicals to be re-examined. The MCL for atrazine is in effect, while the effective date for MCLs for aldicarb compounds has been stayed.	NPRM 4/94.

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

BU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
800-011.00	WPDWRs - Groundwater Disinfection 40 CFR 141 40 CFR 142	NOA 57 FR 33960 07/31/92 Planned NPRM 58 FR 25034 04/26/93	EPA will propose that all public water systems using groundwater use disinfection treatment processes unless they have natural disinfection or meet specified variance criteria. EPA makes available a draft summary of the Groundwater Disinfection Rule.	NPRM 8/94. Final rule 9/96.
800-013.00	WPDWRs - Inorganic and Organic Compounds (Phase V/24) 40 CFR 141 40 CFR 142 40 CFR 143	ANPRM 48 FR 45502 10/05/83 NPRM 55 FR 30370 07/25/90 NOA 56 FR 60949 11/29/91 Final rule 57 FR 31776 07/17/92 Notice 57 FR 46025 10/06/92	EPA sets MCLs and MCLGs for 18 synthetic organic chemicals and five inorganic chemicals. The WPDWRs 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.
*800-013.01	WPDWRs - Sulfate 40 CFR 141 40 CFR 142	Planned NPRM 58 FR 25035 04/26/93	EPA will propose a WPDWR 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 3/94.
*800-027.00	Amendments to the UIC Program ("Reg Fix Package") 40 CFR 144 40 CFR 146	NPRM 55 FR 26462 06/28/90 Regulatory Agenda 58 FR 25036 04/26/93	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 11/93.

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
800-038.00	Wellhead Protection and Sole Source Aquifer Demonstration Programs - Indian Tribes 40 CFR 35	NPRM 52 FR 46712 12/09/87 Regulatory Agenda 58 FR 25036 04/26/93	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 6/94.
800-046.00	MPOBUs - Arsenic 40 CFR 141	Planned NPRM 58 FR 25034 04/26/93	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 MPOBUs. The final schedule is dependent on settlement of the suit.	NPRM 9/94. Final rule 9/96.
*800-049.00	Management of Class V Injection Wells Under Part C 40 CFR 144 40 CFR 145 40 CFR 146	Planned NPRM 58 FR 25036 04/26/93	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 6/94. Final rule 6/95.
800-050.00	MPOBUs - Contaminants From First Drinking Water Priority List (Phase VI) 40 CFR 141	NOI 57 FR 42533 09/15/92 Notice 57 FR 53066 11/13/92 Notice 57 FR 61067 12/29/92 Planned NPRM 58 FR 25034 04/26/93	EPA will set MCLGs and MPOBUs 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.	Phase VIA NPRM 12/93. Final rule 12/94. Phase VIB NPRM 1/94.
*800-053.00	Revision of VOC Analytical Methods for Trihalomethanes 40 CFR 141	Planned NPRM 58 FR 25037 04/26/93	EPA will propose to allow the use of the updated VOC methods 503.1, 504, and 524.1 for compliance monitoring of trihalomethanes in drinking water. A final rule approving the use of two other methods was promulgated on 8/3/93 as part of this rule. This rulemaking will address the remaining three methods.	NPRM 12/93. Final rule 12/94.

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**REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993**

<b>RULE NO.</b>	<b>REQUIREMENT</b>	<b>STATUS (a)</b>	<b>ANTICIPATED CHANGES</b>	<b>SCHEDULED ACTION</b>
800-060.00	Revision of Analytical Methods for Regulated BW Chemicals 40 CFR 161	Planned NPRM 58 FR 25033 04/26/93	EPA will propose to withdraw approval of outdated methods for analyzing drinking water contaminants, update older methods, and/or approve new methods. The revisions have been recommended by OMB and various standards-setting organizations.	NPRM 11/93.
<b>CLEAN WATER ACT</b>				
Non-APA Consolidated Rules of Practice for Administrative Assessment of Civil Penalties Under CERCLA, SARA, SDWA, and CMA - RUP 190-059.00				
140-018.00	Guidelines Establishing Test Procedures for the Analysis of Pollutants - Dioxin Measurement 40 CFR 136	NPRM 56 FR 5090 02/07/91 Notice 56 FR 24814 05/31/91	Under Sect. 304(h) of the CMA, 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 12/05/85	EPA proposes a revised rule for dischargers of toxic and nonconventional pollutants who apply for NPDES extensions to install innovative technologies under Sect. 301(h) of the Clean Water Act.	Reproposed NPRM suspended from OMB review and returned to EPA. No action until 11/93; under evaluation.
140-041.00	Disposal Sites - Denial or Restriction 40 CFR 231	Planned NPRM 58 FR 25027 04/26/93	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.	Low-priority rulemaking, no schedule as yet.
140-077.03	NPDES - Surface Water Toxics Control Program - Section 304(l) (Individual Control Strategies) 40 CFR 130	NPRM 57 FR 33051 07/24/92 Regulatory Agenda 58 FR 25030 04/26/93	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 12/93.
*140-084.00	NPDES Permit Application - Standard Form A, Short Form A 40 CFR 122.21(j)	Planned NPRM 58 FR 25027 04/26/93	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.	<u>NPRM 4/94. Final rule 4/95.</u>

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## REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RULE NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*140-005.04	Phase II Storm Water Permitting Program - Additional Sources 40 CFR 122	Notice 57 FR 41344 09/09/92	Under CMA Sect. 402(p)(6), EPA will propose to implement the second phase of the storm water permitting program for sources/activities not regulated under the existing program.	<u>NPRI 4/94 at earliest.</u>
140-009.00	Biological Test Procedures for the Analysis of Pollutants 40 CFR 136	NPRI 54 FR 50216 12/04/89	EPA proposes to amend 40 CFR 136 by adding new biological measurements and test procedures for the analysis of pollutants under the CMA 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 3/94.
*140-103.00	Treatment of Indian Tribes as States - NPDES and Sludge Management Programs 40 CFR 122-124 40 CFR 501	NPRI 57 FR 8522 03/10/92 Regulatory Agenda 58 FR 25030 04/26/93	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.	<u>Final rule 11/93.</u>
140-108.00	Shore Protection Act Section 4103(c) Regulations 40 CFR undetermined	Planned NPRI 58 FR 25029 04/26/93	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.	NPRI 1/94. Final rule 12/94.
140-109.00	Waste Treatment Industry Effluent Guidelines and Standards - CMT Facilities (Phase I) 40 CFR 437	Planned NPRI 58 FR 25026 04/26/93	EPA is developing regulations that will cover centralized waste treatment (CMT) facilities that generally treat aqueous and liquid hazardous and non-hazardous waste as Phase I of this regulation.	NPRI 4/94. Final rule 1/96.

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RULE NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*140-109.01	Waste Treatment Industry Effluent Standards and Guidelines - NM Incinerators and Landfill Leachate Discharges (Phase II) 40 CFR 437	Notice 58 FR 27280 05/07/93 Notice 58 FR 50918 09/29/93	EPA announces that it has sent to OMB for review the "1993 Waste Treatment Industry Phase II: Landfills Screener Survey and Incinerator Screener Survey." EPA has also sent to OMB for review the "1992 Waste Treatment Industry Phase II: Questionnaires for Landfills and Incinerators" to support the development of effluent guidelines for this industry. This questionnaire will be sent to the population identified in the Screener Survey discussed above.	MPRM 12/95. Final rule 12/97.
140-110.00	Secondary Treatment Requirements for Municipal Discharge into Marine Waters 40 CFR 125	MPRM 56 FR 2814 01/24/91 Notice 57 FR 46390 10/08/92 Regulatory Agenda 58 FR 25030 04/26/93	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 11/93.
*140-111.00	CWA Section 404 Program Definition ("Isolated Waters") 40 CFR 232.2(q)	Planned MPRM 58 FR 25028 04/26/93	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.	Rulemaking placed on low-priority; action perhaps by 5/94.
140-114.00	Bioconcentratable Contaminants	NOA 56 FR 13150 03/29/91	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 8/94.
*140-119.00	Ambient Water Quality Criteria for Aquatic Life - Metals	NOA 57 FR 24041 06/05/92 NOA 58 FR 32131 06/08/93	EPA announces the availability of interim guidance on interpretation and implementation of ambient MQC for aquatic life for metals in state water quality programs. EPA makes available the written recommendations it received at a January, 1993 workshop on aquatic life criteria for metals.	Final guidance 4/94.

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RULE NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*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 401	NPRM 57 FR 26894 06/16/92 Final rule 58 FR 45008 08/25/93 Correction 58 FR 48424 09/15/93	The COE and EPA modify the definition of discharge of dredged material under Sect. 404 of the CWA, clarify when the placement of pilings is considered discharge of dredged material, and codify current policy that prior converted croplands are not waters of the United States. The COE and EPA correct the date, from 8/25/93 to 8/25/96, indicating the length of time allowed for extensions of the "grandfather" provision in 33 CFR 323.2(d)(3)(iii) of the final rule.	Effective 9/24/93.
*140-121.00	COE Regulatory Guidance Letters	NOA 58 FR 47719 09/10/93  Notice 58 FR 52290 10/07/93	The COE publishes regulatory guidance letter 93-2 providing guidance on the flexibility of the CWA Sect. 404(b)(1) guidelines and the use of mitigation banking.  The COE announces rescission of regulatory guidance letters 90-5, 90-7, and 90-8 which were superseded by the 8/25/93 final rule (RUB 140-120.00) modifying the CWA Sect. 404 regulations.	
140-124.00	Exception From Wetlands Mitigation Sequence for Alaska 40 CFR 230	NPRM 57 FR 52716 11/04/92 Regulatory Agenda 58 FR 25031 04/26/93	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.	Final rule 11/93.
140-128.00	Section 404 State Wetlands Protection Programs 40 CFR 233	Planned NPRM 58 FR 25028 04/26/93	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 administration.

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*140-133.00	Water Quality Guidance for the Great Lakes System	NPRM 58 FR 20802 04/16/93 Corrections 58 FR 21046 04/16/93 NOA; Corrections 58 FR 42266 08/09/93  NOA 58 FR 47845 09/13/93	To satisfy the requirements of Sect. 118(c)(7)(C) of the CMA, EPA issues proposed guidance for implementing water quality standards, antidegradation policies, and implementation procedures for waters within the Great Lakes System.   EPA announces the availability of a report, "Review of the Methodology for Developing Ambient Water Quality Criteria for the Protection of Human Health," that EPA is considering as it develops the final guidance for the Great Lakes system.	<u>Final rule 3/95.</u>
140-135.00	Comparison of Dredged Material to a Reference Sediment 40 CFR 230	Planned NPRM 58 FR 25028 04/26/93	EPA will propose to revise testing provisions to provide for comparisons between dredged material proposed for discharge and a reference sediment that is substantially free of contaminants. This action would make dredged material testing more consistent with testing under the MPRSA.	NPRM 1/94. Final rule 7/94.
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 03/13/92 NOA 58 FR 4601 01/15/93 Planned NPRM 58 FR 24151 04/26/93	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. NOAA provides 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 11/93. Final rule 11/94.</u>

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## REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*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 58 FR 57049 10/25/93	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 5/94.</u>
*145-002.01	Oil Pollution Prevention (Phase II - Facility Response Plans) 40 CFR 112	NPRM 58 FR 8824 02/17/93 Corrections 58 FR 19030 04/09/93 Regulatory Agenda 58 FR 25086 04/26/93	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 5/94.</u>
*145-003.00	Revisions to the MCP Required by the Oil Pollution Act 40 CFR 300	NPRM 58 FR 54702 10/22/93	EPA proposes revisions to the MCP as required by the Oil Pollution Act to enhance the current framework, standards, and procedures to address oil and hazardous substance spill response. As part of this initiative, EPA proposes a Fish and Wildlife and Sensitive Environments Plan.	<u>Comments by 12/20/93.</u> <u>Final rule 10/94.</u>
*145-010.00	DOT Response Plans for Onshore Oil Pipelines 49 CFR 194	Interim final rule 58 FR 244 01/05/93 Regulatory Agenda 58 FR 24764 04/26/93	As required by the Oil Pollution Act, RSPA issues an interim final rule establishing regulations requiring response plans for certain pipelines that transport oil to improve response capabilities and minimize the environmental impact of oil discharges from pipelines.	Interim final rule effective 1/5/93. <u>Final rule 4/94.</u>
*145-013.00	National Preparedness for Response Exercise Program (PREP)	NOA 58 FR 53990 10/19/93	In cooperation with DOT and DOI, EPA announces the availability of the draft National Preparedness for Response Exercise Program (PREP) guidelines for compliance with the OPA of 1990 pollution response exercise requirements.	<u>Comments by 11/30/93.</u>

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
<b>CLEAN AIR ACT</b>				
	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			
	CAA Hazardous Pollutants - Designation and RQ Adjustments -- RU# 180-119.00			
120-005.00	NAAQS - Sulfur Oxides 40 CFR 50 40 CFR 51 40 CFR 58	NPRM 53 FR 14926 04/26/88 Notice 53 FR 29346 08/04/88 Clarification notice 53 FR 36587 09/21/88 ANPRM 44 FR 56730 10/02/79 Notice of proposed consent decree 57 FR 44375 09/25/92 Final decision 58 FR 21351 04/21/93 Notice of proposed consent decree 58 FR 31520 06/03/93	EPA proposes to retain the existing NAAQS for sulfur oxides. Adding an alternative 1-hour primary standard of 0.4 ppm to replace the 3-hour standard (0.5 ppm) is being considered. EPA also proposes to revise the significant harm levels, the Pollutant Standards Index for SO <sub>2</sub> , and certain monitoring and reporting requirements. EPA incorporates additional material into the dockets for the proposed revisions to the Ambient Air Quality Surveillance requirements. 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. EPA gives notice of a proposed consent decree which, if finalized, would force EPA to issue a final rule or repropose NPRM according to a definite time schedule.	Final decision on secondary standards effective 5/21/93. Action on final rule regarding primary standards 5/94. If consent decree is finalized, EPA will have to issue a decision by 4/1/94.
*120-055.00	NESHAPs - Chromium Industrial Cooling Towers 40 CFR 63	NOI to list 50 FR 24317 06/10/85 NPRM 58 FR 43028 08/12/93	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 EPA now proposes standards to control them.	<u>Final rule 5/94.</u>

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## REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*120-075.00	Source Surveillance of Visible Emissions 40 CFR 52	NPRM 51 FR 31076 08/29/86	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.	<u>Reproposed NPRM 11/93.</u> <u>Final rule 11/94.</u>
120-083.00	NAAQS - Nitrogen Dioxide 40 CFR 50.11	NOA - draft document 56 FR 59285 11/25/91 Proposed consent decree 58 FR 11859 03/01/93 Regulatory Agenda 58 FR 25055 04/26/93	EPA announces the availability of an external review draft of a revised air quality criteria document of nitrogen oxides prepared by the Environmental Criteria and Assessment Office (ECAO) of ORD. The Agency will revise the standard if needed to protect the public health and welfare. 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.	Final review of criteria document 5/94. If consent decree is finalized, EPA will have to issue an NPRM by 2/95 and final rule by 3/96.
120-084.00	NAAQS - Carbon Monoxide 40 CFR 50.8	Call for Information 52 FR 27580 07/22/87 NOA 55 FR 14858 04/19/90 Regulatory Agenda 58 FR 25054 04/26/93	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 (First Settlement Agreement) 40 CFR 61	Notice 57 FR 59997 12/17/92 Notice of clarification 58 FR 51784 10/05/93	EPA gives notice of a proposed settlement agreement in litigation concerning an 11/20/90 final rule for NESHAPs for asbestos. As part of the proposed settlement agreement, EPA issues a clarification regarding asbestos removal situations and requirements.	<u>Final action on agreement 12/93.</u>
*120-085.01	NESHAPs - Asbestos (Second Settlement Agreement) 40 CFR 61	Notice 58 FR 30784 05/27/93	EPA gives notice of a second proposed settlement agreement in litigation concerning an 11/20/90 final rule for NESHAPs for asbestos.	<u>Final action on agreement 12/93; may issue interpretive rule.</u>

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*120-093.00	NESHAPs - Hazardous Organics ("HOD" Rule) 40 CFR 63	NPRM 57 FR 62608 12/31/92 Corrections 58 FR 11667 02/26/93  Notice 58 FR 53478 10/15/93	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.  EPA describes five possible changes to the emissions averaging policy in the 12/31/92 proposed rule and corrects the Regulatory Flexibility Act certification for the proposed rule by providing a summary of the reasons for the certification. The rationale for the certification was not published in the proposed rule.	<u>Final rule 4/94.</u>
*120-103.00	NESHAPs - Organic Solvent Degreasing 40 CFR 63	Planned NPRM 58 FR 25061 04/26/93	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.	<u>NPRM 12/93.</u> Final rule 10/94.
120-106.00	New Source Review - PM10 Increments for PSD Areas 40 CFR 51 40 CFR 52	NPRM 54 FR 41218 10/05/89 Final rule 58 FR 31622 06/03/93 Correction 58 FR 34903 06/30/93	EPA revises the maximum allowable increases (increments) for particulate matter (PM) under the requirements for prevention of significant deterioration (PSD). The revised increments define maximum allowable increases in concentrations of PM10 and replace the original increments for PM which were based on total suspended particulates (TSP).	Effective 6/3/94.
120-113.03	Methods for Measurement of Opacity - Addition to Appendix M 40 CFR 51	NPRM 57 FR 46114 10/07/92	EPA proposes to add test method 203 for the continuous measurement of opacity from stationary sources to appendix M in 40 CFR 51.	Final rule 12/93.

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## REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*120-116.00	NSPS - Municipal Landfills 40 CFR 60	NPRM 56 FR 24468 05/30/91 NOA 58 FR 33790 06/21/93	EPA proposes to add subpart WMM to 40 CFR 60 for control of new sources and proposes emission guidelines and compliance schedules for existing sources under subpart C. Subpart WMM 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 2/94.</u>
*120-117.01	NESHAPs for Benzene Waste Operations - Alternative Compliance Options 40 CFR 61	ANPRM 58 FR 15457 03/23/93	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>If proceed with NPRM, will issue it 10/94.</u>
*120-118.03	Radionuclides NESHAPs - Stay of Effective Date for Subpart I - NRC-Licensed Facilities	NPRM 56 FR 6339 02/15/91 Final rule 56 FR 18735 04/24/91 NPRM 57 FR 43173 09/18/92 NPRM 57 FR 56877 12/01/92 Notice 57 FR 58018 12/08/92 Correction 57 FR 60778 12/22/92	EPA proposes to rescind Supart 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 12/93. Stay of Subpart I expired 11/15/92.</u>

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## REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*120-118.06	Radionuclides NESHAPs - Subpart I Rescinded for Power Reactors 40 CFR 61	ANPRM 56 FR 10524 03/13/91 NPRM 56 FR 37196 08/05/91	EPA proposes to rescind Subpart I as it applies to nuclear power reactors.	<u>Final rule 12/93.</u>
120-118.06	Radionuclides NESHAPs - Subpart T Rescinded for Uranium Mill Tailings Sites 40 CFR 61	NPRM 56 FR 67561 12/31/91 Proposed settlement 58 FR 17230 04/01/93	EPA proposes to rescind Subpart T 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 this NESHAPs rule.	Final rule 6/94.
*120-137.01	Application Sequence for Section 179 Sanctions Under Section 110(k) 40 CFR 52	NPRM 58 FR 51270 10/01/93	EPA proposes a rule governing the order in which sanctions shall apply under Sect. 179 of the CAA after EPA makes a Sect. 110(k) finding specific to any SIP.	<u>Final rule undetermined.</u>
120-148.00	MAAQS - Lead 40 CFR 50.12	Planned NPRM 58 FR 25059 04/26/93	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 MAAQS. EPA has prepared a staff paper which has been reviewed and approved by the Clean Air Act Scientific Advisory Committee (CASAC).	NPRM 11/93.
*120-149.00	NESHAPs - Asbestos (MACT Revisions) 40 CFR 63	Planned NPRM 58 FR 25060 04/26/93	EPA is considering revising the asbestos NESHAP to require maximum achievable control technology standards for process sources such as milling, manufacturing, and fabrication industries.	<u>Maybe NPRM by 4/94;</u> <u>final rule due by 11/94.</u>
120-158.00	MSPS - Medical Waste Incineration 40 CFR 60	Planned NPRM 58 FR 25059 04/26/93	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 3/94. Final rule 8/95.

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*120-164.00	Ambient Air Monitoring Methods - Equivalent Method Designation	Notice 58 FR 58166 10/29/93	EPA designates another reference method for the measurement of ambient concentrations of carbon monoxide. The new method is an automated method (analyzer) which utilizes the measurement principle and calibration procedure specified in Appendix C of 40 CFR 50.	
*120-170.01	Ambient Air Quality Surveillance - Monitoring Data Reporting Requirements 40 CFR 58	WPM 57 FR 46003 10/06/92	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 2/94.
120-171.00	Prevention of Significant Deterioration and New Source Review ("Update" Rule) 40 CFR 51 40 CFR 52	Planned WPM 58 FR 25055 04/26/93	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.	WPM 1/94. Final rule 1/95.
*120-173.00	Enhanced Monitoring and Compliance Certification Regulations 40 CFR 70 40 CFR 71	WDA 56 FR 37700 08/08/91 WPM 58 FR 54648 10/22/93	EPA proposes new regulations and certain amendments to several existing air pollution program regulations to require enhanced monitoring at significant emissions units of air pollution.	Comments by 12/20/93. Final rule 10/94.
120-175.01	Clean Fuel Fleet Programs -Vehicle Conversion Regulations 40 CFR 88	WPM 58 FR 32474 06/10/93	EPA proposes regulations governing the conversion of conventional vehicles to meet clean fuel fleet vehicle requirements, heavy-duty standards for all vehicle/engine classes, and general provisions for state implementation of the clean fuel fleet program.	Final rule 4/94. Court-ordered deadline 4/15/94.
120-176.00	General Provisions for Major and Area Sources of Air Toxics 40 CFR 60 40 CFR 61 40 CFR 63	WPM 58 FR 42760 08/11/93	EPA proposes general provisions for MESAAPs under Sect. 112 which codify procedures and criteria to implement emission standards for stationary sources that emit one or more of the 189 substances listed as MAPs. The general provisions eliminate the need to repeat general information and requirements within the standards.	Final rule 8/94.

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**REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993**

<b>RU NO.</b>	<b>REQUIREMENT</b>	<b>STATUS (a)</b>	<b>ANTICIPATED CHANGES</b>	<b>SCHEDULED ACTION</b>
*120-178.00	Standards for Tank Vessel Loading Operations CFR undetermined	Planned NPRM 58 FR 25066 04/26/93	This regulation will control VOC and HAP emissions from tank vessel loading operations, as required by Sect. 103 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 5/94. Final rule 5/95.</u>
*120-179.01	General Preamble - Requirements for SIP Submittals - Addendum for Lead Nonattainment Areas	Notice 57 FR 31477 07/16/92	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 lead nonattainment areas.	<u>Final addendum document for lead 11/93.</u>
*120-179.03	General Preamble - Requirements for SIP Submittals - Addendum for PM-10 Nonattainment Areas	Notice 57 FR 31477 07/16/92	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 nonattainment areas.	<u>Final addendum document for PM-10 1/94.</u>
120-181.00	Guidance for Implementation of Section 112(g) - Modifications 40 CFR 63	Planned guidance 58 FR 25062 04/26/93	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 10/94.</u>
*120-183.00	List of Substances and Threshold Quantities for Accidental Release Prevention 40 CFR 68	NPRM 58 FR 5102 01/19/93 Regulatory Agenda 58 FR 57090 10/25/93	EPA proposes an initial list of regulated substances as required under Sect. 112(r) of the CAA. The list includes 180 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.	<u>Final rule by court-ordered deadline of 1/15/94.</u>
*120-184.00	Risk Management Programs for Chemical Accidental Release Prevention 40 CFR 68	NPRM 58 FR 54190 10/20/93	EPA proposes to require that risk management programs be implemented at facilities that manufacture, process, use, store, or otherwise handle regulated substances in quantities that exceed specified thresholds.	<u>Comments by 2/16/94.</u>
120-187.00	Radionuclide Major Source Definition 40 CFR 63	Planned NPRM 58 FR 25062 04/26/93	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.	<u>NPRM on hold at least until 12/93.</u>

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
120-190.00	Contractor Listing Regulations 40 CFR 15	Planned NPRM 58 FR 25070 04/26/93	The CAA, the CMA, and Executive Order 11732 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 civil violations. This rule will indicate when and by whom this new authority will be exercised.	NPRM undetermined; being reviewed by Office of Enforcement.
*120-191.00	Title I Economic Incentive Program Rules 40 CFR 51	NPRM 58 FR 11110 02/23/93 Regulatory Agenda 58 FR 25077 04/26/93	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.	<u>Final rule 12/93.</u> Court-ordered deadline 12/15/93.
*120-196.00	Determining Conformity of Federal Actions to SIPs 40 CFR 51 40 CFR 93	Proposed consent decree 58 FR 13595 03/12/93 NPRM 58 FR 13836 03/15/93	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. EPA proposes criteria and procedures for determining conformity of federal actions to SIPs under the CAA.	<u>Final rule 12/93.</u>
*120-198.00	Emission Standards for Source Categories of Hazardous Air Pollutants 40 CFR 63	NDA 57 FR 44147 09/24/92 Regulatory Agenda 58 FR 25079 04/26/93	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.	<u>Final schedule 11/93.</u> Court-ordered deadline 11/15/93.
120-199.00	Award Regulations 40 CFR 65	Planned NPRM 58 FR 25069 04/26/93	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.	NPRM 12/93. Final rule 6/94.

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
•120-200.00	Prior Notice of Citizen Suits Under Section 304, 40 CFR 54	WPM 58 FR 7070 02/10/93 Regulatory Agenda 58 FR 25070 04/26/93	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.	<u>Final rule 6/94.</u>
•120-201.00	Field Citation Issuance Regulations, 40 CFR 28	Planned WPM 58 FR 25070 04/26/93	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>WPM 1/94. Final rule 10/94.</u>
•120-203.00	Criteria for Imposing Discretionary Sanctions Under Title I, 40 CFR 51	WPM 57 FR 44534 09/28/92 Regulatory Agenda 58 FR 25075 04/26/93	Under Sect. 110(a) of the CAA, EPA proposes criteria it will use when exercising its discretionary authority to apply sanctions on a statewide basis within 26 months of a finding of a deficiency in a state implementation plan.	<u>Final rule 12/93; still at WPM.</u>
•120-205.00	Air Quality - Revision to Definition of VOCs, 40 CFR 51	WPM 57 FR 48040 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.	<u>Final rule 6/94.</u>
•120-206.00	Acid Rain Opt-In Regulation, 40 CFR 72-75, 40 CFR 70	WPM 58 FR 50008 09/26/93	To implement Sect. 410 of the CAA, EPA proposes procedures to allow SO <sub>2</sub> combustion sources not otherwise affected by Title IV to "opt-in" to the allowance market system of the acid rain program.	<u>Comments by 11/23/93. Final rule 6/94.</u>
120-207.00	Guidance for States Making NACT Determinations When Lacking a Federal Standard, 40 CFR 63	WPM 58 FR 37770 07/13/93	In the event that EPA fails to promulgate NACT standards on time, states are required under Sect. 112(j) of the CAA to establish case-by-case NACT compliance limits for every major source of emissions that would have been subject to a standard. EPA proposes procedures and guidance to aid the states in making these compliance determinations.	<u>Final rule 6/94.</u>

(a) WPM = Notice of Proposed Rulemaking; APN = Advanced Notice of Proposed Rulemaking; WPM = Notice of Intent; WPM = Notice of Availability.

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RULE NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
120-208.00	RESNAPs for Solid Waste TSD Facilities 40 CFR 63	Planned NPN 58 FR 25065 06/26/93	EPA will specify maximum control technology (MCT) 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.	NPN 1/94. Final rule 2/95.
120-209.00	Federal Operating Permit Rules in Lieu of State Programs 40 CFR 71	Planned NPN 58 FR 25069 06/26/93	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.	NPN 1/94. Final rule 11/94.
120-210.00	Acid Rain Nitrogen Oxides Emission Reduction Program for Boilers 40 CFR 76	NPN 57 FR 55632 11/25/92 Corrections 57 FR 61489 12/24/92 Regulatory Agenda 58 FR 25078 06/26/93	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 NPN 4/96. Final rule 1/97.
120-211.00	Approval/Delegation of Federal Air Toxics Programs to States 40 CFR 63	NPN 58 FR 26296 05/19/93	EPA proposes to establish procedures and guidance for state agencies for the approval and delegation of state air toxics programs that can be adopted in place of otherwise applicable federal requirements under Title III of the CAA.	Final rule 5/94.
120-212.00	Control Technique Guidelines (CTGs) 40 CFR 261	Regulatory Agenda 58 FR 25078 06/26/93	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	NDA 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.	NPN 8/94.

(a) NPN = Notice of Proposed Rulemaking; ANPN = Advanced Notice of Proposed Rulemaking; NDI = Notice of Intent; NDA = Notice of Availability.

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# REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

BU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
•120-214.00	NSPS - Appendix A; Methods 18, 26, and 26a 40 CFR 60	NSPS 57 FR 62798 12/31/92 Corrections 58 FR 11789 02/26/93	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 12/93.
120-219.00	NOx and Smoke Emissions from Nonroad Compression Ignition Engines 40 CFR 89	NSPS 58 FR 28899 05/17/93	EPA proposes standards for nitrogen oxide (NOx) and smoke emissions from non road compression-ignition (CI) engines greater than or equal to 50 horsepower with exclusions for certain types of engines.	Final rule 11/93.
120-220.00	NSPS for Air Emissions from OSMS 40 CFR 51	Notice 58 FR 31358 06/02/93	EPA publishes a draft list of types of incinerators to be included under the category of other solid waste incinerators (OSWIs) and a regulatory schedule for promulgating new source performance standards (NSPS) and emission guidelines (EG) for these units.	Final list and schedule 12/93. Final rule by 11/15/2000.
•120-221.00	New Source Review Requirements 40 CFR 51 40 CFR 52	Planned NSPS 58 FR 25058 06/26/93	To comply with the more stringent requirements in the CAA as amended for preconstruction review of new and modified major sources in areas that have been designated as nonattainment, EPA plans to amend its new source review rules.	NSPS 1/94. Final rule 1/93.
•120-223.00	Clean Air Act Citizen Suit Settlement	Proposed consent order 58 FR 35451 07/01/93	EPA announces a proposed partial consent order for citizen suits in which it was alleged that EPA failed to meet a variety of deadlines under Titles I, II, IV, and VI of the CAA and its 1990 Amendments.	Final action on consent order undetermined.
		Proposed consent order 58 FR 41476 08/04/93	EPA announces a proposed partial consent order for citizen suits in which it was alleged that EPA failed to meet deadlines under Title I of the CAA. This partial consent decree, in conjunction with the one issued 7/1/93, will resolve all claims arising in these matters.	Final action on consent order undetermined.
•120-224.00	Greenhouse Gas Emissions and Reductions; Carbon Sequestration	Notice 58 FR 48116 07/27/93	DOE announces its intent to develop guidelines under the Energy Policy Act of 1992 for the voluntary reporting of greenhouse gas emissions, their reduction, and carbon fixation achieved.	Proposed guidelines 5/94.

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**REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993**

<b>RU NO.</b>	<b>REQUIREMENT</b>	<b>STATUS (a)</b>	<b>ANTICIPATED CHANGES</b>	<b>SCHEDULED ACTION</b>
*120-225.00	Federal Agencies' Emergency Release Prevention, Mitigation, and Response Authorities and Activities	Notice 58 FR 52397 10/08/93	The President of the U.S. publishes a memorandum submitted to the EPA Administrator granting authorization to review emergency release prevention, mitigation, and response authorities and activities of the federal agencies under Sect. 112(r)(10) of the CAA.	
*120-226.00	MDN/RACT Interface Draft Guidance	MDA 58 FR 54136 10/20/93	EPA publishes draft guidance describing an option that states can consider in implementing Reasonably Available Control Technology (RACT). The guidance describes what EPA is calling "presumptive alternative RACT (PAR)" for emission points that are both affected by the hazardous organic NESRP (MDN) and subject to the implementation of RACT.	<u>Final guidance undetermined.</u>
*120-504.01	Phase-out of CFCs - Nominations for Essential Use Exemptions for Halons 40 CFR 82	Notice 58 FR 6786 02/02/93 Notice 58 FR 53722 10/18/93	EPA publishes the results of its 2/12/93 notice requesting nominations for halon "essential use" exemptions from the 1/1/94 production and import phase-out under the Montreal Protocol. EPA also requests nominations for halon exemptions from the production and import phase-out for 1995. Finally, EPA notifies the public of the formation of two halon banking mechanisms.	<u>Submit nominations by 12/17/93.</u>
120-506.00	Stratospheric Ozone - Class I Chemicals Product Ban 40 CFR 82	NPRI 57 FR 199 01/16/92 Final rule 58 FR 4768 01/14/93 Corrections 58 FR 8820 02/17/93	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.

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*120-508.00	Stratospheric Ozone Protection - Federal Procurement 40 CFR 82	Proposed consent decree 57 FR 56339 11/27/92 NPRM 58 FR 19080 04/12/93 Executive Order 58 FR 21881 04/23/93 Final rule 58 FR 54892 10/22/93	EPA issues a rule requiring each department, agency, and instrumentality of the U.S. to conform its procurement regulations to maximize the substitution of safe alternatives for ozone depleting substances.	<u>Effective 11/22/93.</u>
120-509.00	Stratospheric Ozone - Class I and II Safe Alternatives 40 CFR 82	ANPRM 57 FR 1984 01/16/92 NPRM 58 FR 28094 05/12/93 Correction 58 FR 33488 06/17/93	EPA proposes its program, called Significant New Alternatives Policy (SNAP), for evaluating and regulating substitutes for the ozone-depleting chemicals being phased out under the CAA, and issues preliminary decisions on the acceptability of certain substitutes.	Final rule 4/94. Court-ordered deadline 2/15/94.
*120-510.00	Stratospheric Ozone - Listing and Accelerated Phaseout of Class I Chemicals 40 CFR 82	NPRM 58 FR 15014 03/18/93 Notice 58 FR 29410 05/20/93 Notice 58 FR 29574 05/21/93 Notice 58 FR 38735 07/20/93  Notice 58 FR 58167 10/29/93	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.  EPA gives notice of a proposed consent decree and a proposed settlement agreement in litigation concerning final action on a petition to add methyl bromide of the list of ozone-depleting substances and to accelerate the phaseout of HBFCs.	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.  <u>Comments by 11/29/93.</u>

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*120-512.00	Stratospheric Ozone - Class II Chemicals Product Ban 40 CFR 82	NPRM 58 FR 50464 09/27/93	EPA proposes to ban the sale or distribution of nonessential products containing Class II chemicals (NCECs) effective January 1, 1994. These products are listed in 40 CFR 82.70(a), (b), and (c)(i). In addition, the proposed rule would ban those products listed in 40 CFR 82.70(c)(ii) effective January 1, 1996.	<u>Final rule 12/93.</u>
NUCLEAR WASTE POLICY ACT				
700-019.01	Emergency Planning Licensing Requirements for ISFSI and MRS Facilities 10 CFR 72	NPRM 58 FR 29795 05/24/93	NRC proposes emergency planning and licensing requirements for independent spent fuel storage installations (ISFSI) and monitored retrievable storage facilities (MRS) to ensure that local authorities will be notified in the event of an accident so that they may take appropriate action.	Final rule 2/94.
700-022.00	HLW Disposal in Geologic Repositories - EPA and NRC Conforming Amendments 10 CFR 60	NPRM 51 FR 22288 06/19/86 Regulatory Agenda 58 FR 25390 04/26/93	NRC proposes to conform its regulations for disposal of high-level radioactive wastes in geologic repositories to EPA standards as mandated by the NUPA. The EPA HLW standards, however, have been invalidated by a federal court.	On hold pending promulgation of revised HLW standards by EPA. Deadline for NRC action 12/95.
700-069.00	Radiation Dose Criteria for Accidents at HLW Geologic Repositories (Design Basis Events) 10 CFR 60	Notice of receipt 55 FR 28771 07/13/90 Correction 55 FR 32639 08/10/90 Planned NPRM 58 FR 25392 04/26/93	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 12/93; still at Commission.

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*700-080.00	Approved Spent Fuel Storage Casks 10 CFR 72	NPRM 57 FR 28645 06/26/92 Notice 58 FR 5301 01/21/93 Final rule 58 FR 17948 04/07/93 Notice 58 FR 19786 04/16/93 Final rule 58 FR 51762 10/05/93	NRC amends its list of approved spent fuel storage casks to add one spent fuel storage cask, TW-24, to the list of approved casks. Another cask, VSC-24, was approved earlier.	Final rule of 4/7/93 effective 5/7/93. <u>Final rule of 10/5/93 effective 11/4/93.</u>
700-083.00	Interim Storage of Spent Fuel in an ISFSI - Site-Specific License 10 CFR 2 10 CFR 72	NPRM 58 FR 31478 06/03/93	NRC proposes to amend its procedures under which the Director of Materials Safety and Safeguards can issue a site-specific license to a qualified applicant for the interim storage of spent fuel in an independent spent fuel storage installation (ISFSI) following satisfactory completion of safety and environmental reviews to eliminate the need for express Commission authorization for each ISFSI license.	Final rule 12/93.
700-086.00	HLW Disposal in Repositories - Potentially Adverse Conditions, Performance Objectives 10 CFR 60	NPRM 58 FR 36902 07/09/93	NRC proposes to clarify that the adequacy of a license applicant's investigations and evaluations of potentially adverse conditions will be judged in terms of their significance to compliance with post-closure performance objectives.	Final rule 10/94.
*700-088.00	ISFSI and MRS - Notification of Events 10 CFR 72	NPRM 58 FR 18004 09/14/93	NRC proposes reporting requirements regarding the notification of events related to radiation safety at independent spent fuel storage installations (ISFSI) and monitored retrievable storage (MRS) facilities to ensure that significant occurrences are promptly reported to NRC.	<u>Comments by 11/29/93.</u>

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
<b>LOW-LEVEL RADIOACTIVE WASTE (LLW) POLICY AMENDMENTS ACT</b>				
740-003.00	Environmental Protection Standards for LLW Disposal 40 CFR 193 40 CFR 764	ANPRM 48 FR 39563 08/31/83 Planned NPRM 58 FR 25032 04/26/93	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 12/93. Final rule 12/94.
*740-021.00	Low-Level Waste Manifest Information and Reporting 10 CFR 20 10 CFR 61	NPRM 57 FR 14500 04/21/92 Regulatory Agenda 58 FR 25392 04/26/93	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.	<u>Final rule on hold; no action before second half of 1994.</u>
*740-027.00	Concentration Averaging and Encapsulation - Technical Position 10 CFR 61	NOA 57 FR 29105 06/30/92 NOA 58 FR 49333 09/22/93	In response to previous comments, NRC makes available a modified 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.	<u>Comments at any time.</u> <u>Action on final position paper undetermined.</u>
740-028.00	Near-Surface Disposal of Low-Level Wastes (LLW) (New England Coalition Petition) 10 CFR 61	Petition for rulemaking 57 FR 32743 07/23/92	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 1/94.
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 58 FR 6730 02/02/93 Regulatory Agenda 58 FR 25395 04/26/93	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.

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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 06/08/84	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 06/18/86 Planned NPRM 58 FR 25032 04/26/93	EPA is determining what standards and/or guidance is needed to control radiation exposure levels to the public from residual radioactivity after cleanup of sites and facilities where radionuclides were used and where unrestricted use will be allowed. This action may also control radiation exposure levels to the general public from contaminated materials that will be recycled into general commerce.	NPRM 5/94.
*100-019.00	Radiation Site Cleanup Regulations 40 CFR 195	ANPRM 58 FR 54474 10/21/93	EPA announces that it is developing regulations to establish cleanup levels for sites, including federal facilities, contaminated with radionuclides subject to the AEA and CERCLA. EPA also makes available an Issues Paper and sets up an electronic bulletin board for information on this rulemaking. This regulation will be developed in coordination with NRC's parallel rulemaking on criteria for NRC-licensed sites (RU# 100-039.00).	<u>Comments by 12/20/93.</u> <u>NPRM undetermined.</u>
*100-033.00	Explanation to Table S-3, Uranium Fuel Cycle Environmental Data 10 CFR 51	NPRM 46 FR 15154 03/04/81 Regulatory Agenda 58 FR 25389 04/26/93	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. The 3/4/81 NPRM will be reissued as a proposed rule to add values for radon-222 and technetium-99 and to extensively revise the narrative explanation section.	<u>Reproposed NPRM 4/94.</u>

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 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 02/21/90 Notice; NOA 57 FR 58727 12/11/92 Notice 58 FR 33571 06/18/93 Notice 58 FR 37760 07/13/93	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, and announces its intent to prepare a generic environmental impact statement on the alternatives for establishing radiological criteria for decommissioning. NRC has also opened an electronic bulletin board (BBS) to provide current rulemaking status information, background documents, summaries of public workshops, and an electronic method for members of the public to comment on the rulemaking.	NPRM and proposed generic EIS by 4/94. Final rule 5/95.

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
100-041.00	Standards for Protection Against Radiation 10 CFR 20	NPRM 51 FR 1092 01/09/86 Notice 55 FR 18689 05/03/90 ANPRM 45 FR 18023 03/20/80 Final rule 56 FR 23360 05/21/91 Correction 56 FR 23956 05/24/91 Corrections 56 FR 61352 12/03/91 NPRM 57 FR 21216 05/19/92 Notice 57 FR 23929 06/05/92 Correction 57 FR 27845 06/22/92 Final rule 57 FR 38588 08/26/92 Final rule amendment 57 FR 57877 12/08/92 Notice 58 FR 18427 04/09/93	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.
*100-041.01	Radiation Protection Standards - Additional Options for LLW Disposal 10 CFR 20	Petition for rulemaking 58 FR 47676 09/10/93	NRC has received a petition requesting that NRC amend its regulations governing disposal of certain medical and research low-level radioactive wastes to provide additional options for the disposal of very low concentrations of certain short-lived radionuclides.	<u>Comments by 11/26/93.</u>

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
100-053.00	Criteria for Extraordinary Nuclear Occurrence 10 CFR 140	NPRM 50 FR 13978 04/09/85 Regulatory Agenda 58 FR 25389 04/26/93	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 on hold; no schedule.
*100-129.00	Environmental Standards for the Management and Disposal of Spent Nuclear Fuel, HLW, and TRU Radioactive Wastes 40 CFR 191	NPRM 58 FR 7924 02/10/93 Notice 58 FR 13731 03/15/93 Regulatory Agenda 58 FR 25033 04/26/93	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. EPA announces the availability of a toll free telephone number (800-331-WIPP) to access updated information on this proposed rulemaking activity.	Final rule 12/93. Call 1-800-331-WIPP for further information.
100-129.01	Criteria for Certification of Compliance with Environmental Standards for Spent Nuclear Fuel, HLW, and TRU Wastes 40 CFR 194	ANPRM 58 FR 8029 02/11/93	EPA will propose criteria for certifying compliance with 40 CFR 191 (see RUM 100-129.00) pursuant to its authority under the WIPP Land Withdrawal Act.	NPRM 1/94. Final rule 1/95.
100-157.00	Transportation Regulations - Compatibility with IAEA 10 CFR 71	NPRM 53 FR 21550 06/08/88 Corrections 53 FR 23484 06/22/88 Regulatory Agenda 58 FR 25391 04/26/93	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 RUM 400-093).	Final rule 2/94.

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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 04/30/92 Final rule 58 FR 31467 06/03/93	NRC amends the Commission's fitness-for-duty regulations to include Category I fuel facilities and Category I shipments.	Effective 11/30/93.
100-214.00	Nuclear Power Plant Structures, Systems, and Components 10 CFR 50	ANPRM 54 FR 9229 03/06/89 Planned NPRM 58 FR 25387 04/26/93	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 03/21/89 Notice 57 FR 35607 08/10/92	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.	No plans now to issue other final revised technical position papers.
*100-222.00	Code and Standards for Nuclear Power Plants 10 CFR 50	Planned NPRM 58 FR 25387 04/26/93	NRC will incorporate by reference Subsection IME, "Requirements for Class MC Components of Light-Water Cooled Power Plants," and Subsection IML, "Requirements for Class CC Concrete Components of Light-Water Cooled Power Plants," of Sect. XI of the ASME Code.	NPRM 12/93.
100-233.00	Acceptability of Plant Performance for Severe Accidents 10 CFR 50	ANPRM 57 FR 44513 09/28/92 Planned NPRM 58 FR 25397 04/26/93	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 6/94. Final rule 6/95.

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## REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*100-249.00	Requirements for Possession of Industrial Devices 10 CFR 31 10 CFR 32	NPRM 56 FR 67011 12/27/91 Regulatory Agenda 58 FR 25401 04/26/93	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 12/93.
100-252.00	Import and Export of Radioactive Waste 10 CFR 110	ANPRM 55 FR 4181 02/07/90 NPRM 57 FR 17859 04/28/92 Regulatory Agenda 58 FR 25392 04/26/93	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 12/93.
100-258.01	Emergency Preparedness Regulations - Exercise Requirements 10 CFR 50	NPRM 58 FR 34539 06/28/93	NRC proposes to revise its emergency planning regulations to update and clarify ambiguities that have surfaced in the implementation of the Commission's emergency planning exercise requirements.	Final rule 7/94.
100-265.00	Nuclear Plant License Renewal - Environmental Effects 10 CFR 51	ANPRM 55 FR 29964 07/23/90 NOI 55 FR 29967 07/23/90 NPRM 56 FR 47016 09/17/91 NOA 56 FR 47500 09/19/91 Regulatory Agenda 58 FR 25393 04/26/93	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.

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
100-276.00	Timeliness in Decommissioning of Nuclear Facilities 10 CFR 30 10 CFR 40 10 CFR 70 10 CFR 72	NRC 56 FR 4099 01/13/93 Regulatory Agenda 56 FR 25402 04/26/93	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.	Final rule 12/93.
100-284.00	Radiation Protection of the Public and Environment 10 CFR 834	Notice 56 FR 67066 12/27/91 NRC 56 FR 14268 03/25/93	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.	Final rule 3/94.
100-289.00	Radiation Protection for Occupational Workers 10 CFR 835	NRC 56 FR 64334 12/09/91 Notice 56 FR 67066 12/27/91 Regulatory Agenda 56 FR 24260 04/26/93	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 12/93.
100-290.00	Nuclear Safety Management 10 CFR 830	NRC 56 FR 64316 12/09/91 Clarification of NRC 57 FR 20796 05/15/92 Regulatory Agenda 56 FR 24259 04/26/93	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 12/93.
100-291.00	Agreement State Programs - Compatibility with NRC Programs	Request for comments 56 FR 64457 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 ensure this.	Either guidance or an agreement to be issued by 3/94.

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**REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993**

<b>RU NO.</b>	<b>REQUIREMENT</b>	<b>STATUS (a)</b>	<b>ANTICIPATED CHANGES</b>	<b>SCHEDULED ACTION</b>
*100-293.00	NUREG Reports - Availability	NOA 58 FR 47159 09/07/93	NRC makes available its draft NUREG/OR-0050, Revision 2, "Regulatory Analysis Guidelines of the U.S. NRC," which is the Commission's policy-setting document with respect to regulatory analyses and has applicability for regulatory action affecting all NRC licensees.	Comments by <u>12/6/93.</u>
		NOA 58 FR 54305 10/21/93	NRC announces the availability of two draft reports: "Revised Analyses of Decommissioning for the Reference Pressurized Water Reactor Power Station" (NUREG/OR-5004) and "Estimating Pressurized Water Reactor Decommissioning Costs" (NUREG/OR-6054).	Comments by <u>12/31/93.</u>
100-293.01	NUREG Reports Availability - Conducting Radiological Surveys	NOA 57 FR 33374 07/28/92	NRC announces the availability of draft NUREG/OR-5049, "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 58 FR 24258 04/26/93	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 6/94.
*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 Regulatory Agenda 58 FR 25403 04/26/93	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 2/94.
*100-304.00	Licensing of Source Material 10 CFR 40	NPRM 57 FR 48749 10/28/92 Planned NPRM 58 FR 25396 04/26/93	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 10/94. Final rule <u>6/95.</u>

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**REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993**

<b>NU NO.</b>	<b>REQUIREMENT</b>	<b>STATUS (a)</b>	<b>ANTICIPATED CHANGES</b>	<b>SCHEDULED ACTION</b>
100-306.00	Accessible Air Gap For Generally Licensed Devices 10 CFR 31 10 CFR 32	NPRM 57 FR 56287 11/27/92 Regulatory Agenda 58 FR 25402 04/26/93	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.	Final rule 11/93.
100-307.00	Fracture Toughness Requirements for LWR Pressure Vessels 10 CFR 50	Planned NPRM 58 FR 25393 04/26/93	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 BPV 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 02/22/93	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.	Action on petition by 1/94 at the earliest.
*100-316.00	Licensing of Exports of Alpha-Emitting Radionuclides and Byproduct Material 10 CFR 110	NPRM 58 FR 14344 03/17/93	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.	Final rule 1/94.
*100-318.00	Design/Performance Criteria for Sealed Sources Used in Well Logging 10 CFR 39	Planned NPRM 58 FR 25388 04/26/93	NRC will propose to allow the continued use by well logging licensees of sealed sources that were approved by accepted prototype testing before 7/14/89 and previously evaluated and approved sealed sources. Current regulations unintentionally excluded these sources.	NPRM undetermined; no action before 4/94 at earliest.

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*100-319.00	Reporting Requirements for Transfer of Products to Persons Exempt From Licensing Requirements 10 CFR 32	Planned NPRM 58 FR 25308 04/26/93	MRC will propose to reinstate the annual reporting requirement for transfer of products containing small quantities of radioactive material to persons exempt from licensing requirements.	NPRM undetermined; <u>may incorporate into another rulemaking.</u>
*100-325.00	Radiological Emergency Planning and Preparedness 44 CFR 351	NPRM 58 FR 41154 08/02/93	FEMA proposes to establish the policies, procedures, and framework for the coordination and provision of technical assistance in radiological emergency planning and preparedness to state and local governments for all types of peacetime radiological emergencies. DOE is a member of the coordinating committee.	<u>Final rule undetermined.</u>
*100-326.00	MOU Between FEMA and MRC - Emergency Planning Preparedness 44 CFR 353	Final rule 58 FR 47996 09/14/93	FEMA and MRC enter into a new memorandum of understanding (MOU), dated June 17, 1993, related to radiological emergency planning preparedness. The text of the MOU is set out in this final rule.	<u>Effective 6/17/93.</u>

URANIUM MILL TAILINGS RADIATION CONTROL ACT

Radionuclides NESHAPs - Subpart T Rescinded for Uranium Mill Tailings Sites -- RUM 120-118.06

930-029.00	Groundwater Protection Standards for Inactive Uranium Tailing Sites 40 CFR 192	NPRM 52 FR 36000 09/24/87 Regulatory Agenda 58 FR 25033 04/26/93	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 1/94.</u>
*930-034.00	Uranium Mill Tailing Sites - Remedial Action Program and Annotation of Land Records 10 CFR 764	NPRM 54 FR 29732 07/14/89 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.	<u>Final rule 1/94.</u>

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*920-038.00	Health and Environmental Standards for Uranium Mill Tailings 40 CFR 192	ANPRM 56 FR 67569 12/31/91 NPRM 58 FR 32174 06/08/93	EPA proposes amendments to clarify a current rule by ensuring timely emplacement of a permanent radon barrier and by requiring appropriate monitoring for nonoperational uranium mill tailings disposal sites that are licensed by the NRC or one of its affected Agreement States (Colorado, Washington and Texas).	<u>Final rule 11/93.</u>
TOXIC SUBSTANCES CONTROL ACT				
Toxic Chemical Release Reporting - Addition of Chemicals; SMUR -- RUM 190-064.00				
920-053.00	Negotiated Consent - Procedural Test Rules 40 CFR 790	Planned NPRM 58 FR 25016 04/26/93	EPA plans to propose appropriate procedural changes to reduce the resources required for consent order negotiation.	NPRM 12/93.
920-064.01	Comprehensive Assessment Information Rule 40 CFR 704	Planned NPRM 58 FR 25019 04/26/93	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.	NPRM 11/93.
920-073.01	PCBs Storage for Disposal - Notification Requirements 40 CFR 761	NPRM 58 FR 6184 01/26/93 Correction 58 FR 12352 03/04/93 Correction 58 FR 13128 03/09/93	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 11/02/90 Regulatory Agenda 58 FR 25022 04/26/93	EPA proposes a rule establishing criteria and procedures for the suspension and revocation of PCB storage and disposal approvals.	Final rule on hold indefinitely.

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*920-092.00	Chemical Test Data	<p>Notice 58 FR 48366 09/15/93</p> <p>Notice 58 FR 57602 10/26/93</p>	<p>EPA announces the receipt of chemical test data on sodium cyanide submitted pursuant to a testing consent order under TSCA.</p> <p>EPA announces the receipt of chemical test data on 4-vinylcyclohexene (4-VCH) submitted pursuant to a testing consent order under TSCA.</p>	
920-096.01	PCBs - Commerce Exemptions 40 CFR 761	<p>NPRM 57 FR 7349 03/02/92 Regulatory Agenda 58 FR 25022 04/26/93</p>	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 1/94.
920-113.00	SARA Section 110 Chemicals Generic Test Rule 40 CFR 799	<p>Planned NPRM 58 FR 25016 04/26/93</p>	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 12/93.
*920-123.00	Drinking Water Chemicals Proposed Test Rule 40 CFR 799	<p>NPRM 55 FR 21393 05/24/90 NOA 57 FR 14371 04/20/92 Regulatory Agenda 58 FR 25020 04/26/93</p>	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 11/93.
920-125.00	PCBs Disposal Amendments 40 CFR 761	<p>ANPRM 56 FR 26738 06/10/91 NOA 56 FR 26745 06/10/91 Planned NPRM 58 FR 25019 04/26/93</p>	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 1/94.

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*920-127.00	Environmental Hazard Communication Rule CFR undetermined	Regulatory Agenda 58 FR 57026 10/25/93	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.	<u>Withdrawn 8/13/93.</u>
920-130.00	Metabolism and Pharmacokinetic Test Guideline 40 CFR 798	NPRM 56 FR 32537 07/17/91	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 1/94; at OMB.
*920-132.00	PCB Transformer Reclassification Rule 40 CFR 761	Planned NPRM 58 FR 25019 04/26/93	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.	<u>NPRM 12/93. Final rule 12/94.</u>
*920-136.00	TSCA Inventory - Removal of 36 Chemical Substances	NOI 58 FR 19251 04/13/93 Notice 58 FR 52493 10/08/93	EPA deletes 36 chemical substances from the TSCA Chemical Substances Inventory because it feels they were incorrectly reported and listed.	<u>Effective 10/8/93.</u>
*920-137.00	PAIR and Health and Safety Data Reporting - Addition of Chemicals 40 CFR 712 40 CFR 716	Final rule 58 FR 28511 05/14/93  Technical amendment 58 FR 47647 09/10/93	EPA adds two categories of substances, silohexanes and chloroalkyl phosphates, to its Sect. 8(a) Preliminary Assessment Information Rule (PAIR) and its Sect. 8(d) Health and Safety Data Reporting Rule.  EPA makes certain technical, editorial, and reporting changes to the PAIR and health and safety data reporting final rule issued 5/14/93.	<u>Effective 6/14/93.</u>  <u>Effective 10/12/93.</u>
*920-138.00	Lead Exposure Reduction - Legislative Mandates 40 CFR undetermined	Planned NPRM 58 FR 57017 10/25/93	EPA will propose regulations governing: (1) lead-based paint additive training and certification programs, (2) model state programs, (3) disclosure of lead-based paint hazards in residential property transfer, and (4) lead-based paint hazards and lead-contaminated soil and dust.	<u>NPRM 1/94.</u>

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*920-139.00	Prohibition of Hexavalent Chromium in Cooling Towers - TSCA Export Notification 40 CFR 749	Planned NPRM 58 FR 25019 04/26/93	EPA will propose an amendment to the TSCA hexavalent chromium rule to narrow the Agency's interpretation of TSCA Sect. 12(b) as it applies to the rule. Export notification would be required only for hexavalent chromium water treatment chemicals rather than any compound containing hexavalent chromium.	<u>NPRM 12/93. Final rule 12/94.</u>
*920-143.00	Petition to Amend the Definition of Incinerator	Notice 58 FR 51816 10/05/93	EPA denies a petition submitted under Sect. 21 of TSCA to amend the definition of "incinerator" as it applies to PCB disposal. EPA is still reviewing the portion of the petition addressing Sect. 7004(a) of RCRA to amend the definition of incinerator.	
HAZARDOUS MATERIALS TRANSPORTATION ACT				
Transportation Regulations - Compatibility with IAEA -- RU# 100-157.00				
Retention of Marking and Placards to Reduce Health and Safety Risks -- RU# 780-067.00				
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 04/30/85 Extension of existing approvals 56 FR 8388 02/28/91 NPRM 58 FR 27257 05/07/93	RSPA proposes to permit the use of certain portable tanks to transport by rail hazardous materials that pose a relatively low or moderate hazard in container-on-flatcar (COFC) or trailer-on-flatcar (TOFC) service without obtaining prior approval from the FRA.	Extension of existing approvals effective 3/1/91. Final rule 5/94.
400-033.01	Performance-Oriented Packaging Standards - Infectious Substances 49 CFR 171 49 CFR 172 49 CFR 173	Compliance date extended 58 FR 12182 03/03/93 ANPRM 58 FR 12207 03/03/93	In response to petitions, RSPA extends the compliance date in the final rule of 12/20/91 applicable to performance-oriented packaging standards for infectious substances from 4/1/93 to 1/1/94, and announces that it intends to reexamine the Hazardous Materials 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.

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*400-033.02	Performance-Oriented Packaging Standards - Miscellaneous Amendments 49 CFR 171-174 49 CFR 177-179	NPRM 58 FR 37612 07/12/93 Final rule 58 FR 50224 09/24/93	In response to petitions, RSPA makes miscellaneous changes to the HMR performance-oriented packaging standards to update the regulations, relax certain requirements, and reduce unnecessary economic burdens.	<u>Effective 10/1/93.</u>
*400-033.03	Performance-Oriented Packaging Standards - Statement of Enforcement Policy	Notice 58 FR 47650 09/10/93	The FRA issues a notice to remind users of tank cars that new federal requirements issued in a HM-181 final rule on 12/21/90 become effective on 10/1/93 for materials poisonous by inhalation.	
400-039.00	Pipeline Operator Qualifications 49 CFR 192 49 CFR 195	ANPRM 52 FR 9189 03/23/87 Planned NPRM 58 FR 24757 04/26/93	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 1/94.
*400-040.00	Transportation of Hazardous Materials - Miscellaneous Amendments 49 CFR 171-178	NPRM 56 FR 37505 08/07/91 Final rule 58 FR 50496 09/27/93	In response to rulemaking petitions, RSPA promulgates several amendments to update and simplify the Hazardous Materials Regulations (HMR).	<u>Effective 10/1/93.</u>
400-044.00	Hazardous Materials - Intrastate Commerce 49 CFR 171-179	ANPRM 52 FR 24195 06/29/87 NPRM 58 FR 36920 07/09/93 Corrections 58 FR 38111 07/15/93	DOT proposes to extend the application of its hazardous material regulations (HMR) to all intrastate transportation of hazardous materials in commerce. This action is necessary to comply with the HMTUSA Act of 1990.	Final rule 10/94.

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*400-057.00	Railroad Shipment of Hazardous Waste - Defects of Tank Car Tanks 49 CFR 173	ANPRM 52 FR 46510 12/08/87 NPRM 58 FR 48485 09/16/93	RSPA proposes to: (1) require QA programs at tank build/repair facilities, (2) require the use of nondestructive testing techniques for fusion welded tank cars, (3) require thickness measurements of tank cars, (4) allow the continued use of tank cars with reduced shell thicknesses, (5) revise the inspection/test intervals, and (6) clarify inspection requirements prior to and during transportation.	<u>Comments by 3/16/94.</u> Final rule 10/94.
400-061.00	Highway Routing Standards for Hazardous Materials 49 CFR 173	ANPRM 53 FR 11618 04/07/88 NPRM 57 FR 39522 08/31/92 Regulatory Agenda 58 FR 24713 04/26/93	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 11/93.
*400-063.00	Excavation Damage-Prevention Programs for Pipelines 49 CFR 192 49 CFR 195	NPRM 53 FR 24747 06/30/88 Regulatory Agenda 58 FR 24763 04/26/93	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.	<u>Interim final rule 2/94.</u> <u>Supplemental NPRM 2/94.</u>
*400-064.00	Maps and Records of Pipeline Location and Characteristics - State Notification 49 CFR 192 49 CFR 195	Planned NPRM 58 FR 24758 04/26/93	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.	<u>NPRM 4/94. Final rule 4/95.</u>

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*400-073.00	Implementation of the ICAO's Technical Instructions 49 CFR 171 49 CFR 172 49 CFR 175	NPRM 55 FR 46839 11/07/90 Supplemental NPRM 57 FR 1891 01/16/92 Final rule 58 FR 50492 09/27/93	RSPA amends 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.	<u>Effective 10/1/93.</u>
400-080.00	Marine Transport of Bulk Solid Hazardous Materials 49 CFR 148	ANPRM 54 FR 18308 04/28/89 Notice 55 FR 11481 03/28/90 Regulatory Agenda 58 FR 24654 04/26/93	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.	<u>NPRM 12/93. Final rule 12/94.</u>
400-083.02	Bulk Hazardous Materials Tables 46 CFR 30 46 CFR 40 46 CFR 98 46 CFR 147 46 CFR 150 46 CFR 151 46 CFR 153	NPRM 58 FR 29890 05/24/93	The Coast Guard proposes to amend its regulations on carriage of bulk hazardous materials by adding cargoes recently authorized for carriage or added to the International Maritime Organization's Chemical Codes and by making minor technical and editorial changes and corrections.	Final rule 5/94.
400-093.00	Transportation Regulations - Compatibility with IAEA 49 CFR 171-178	NPRM 54 FR 47454 11/14/89 NOA 54 FR 48054 11/20/89 Regulatory Agenda 58 FR 24765 04/26/93	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 2/94.

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## REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
400-095.00	Elevated Temperature Materials 49 CFR 171 49 CFR 172 49 CFR 173	NPRM 54 FR 38930 09/21/89 Final rule 56 FR 49980 10/02/91 Compliance date delayed 56 FR 67542 12/31/91 Final rule amendment 58 FR 3344 01/08/93	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 06/07/89 NPRM 56 FR 11490 03/18/91 Regulatory Agenda 58 FR 24766 04/26/93	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 <sub>2</sub> S; (2) require that the release of a designated excess of H <sub>2</sub> S be reported to DOT; and (3) require that onshore/offshore gathering lines carrying a designated excess of H <sub>2</sub> S have a contingency plan in place in case of a release of the gas.	<u>To be withdrawn eventually, in 1994 or 1995.</u>
*400-099.00	Gas Pipelines Corrosion 49 CFR 192	NPRM 54 FR 27041 06/27/89 Regulatory Agenda 58 FR 24765 04/26/93	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.	<u>Final rule on hold until late 1994.</u>
400-106.01	Noxious Liquid Substances Lists 33 CFR 151	NPRM 58 FR 29940 05/24/93	The Coast Guard proposes to amend its Noxious Liquid Substances (NLSs) regulations to include substances recently authorized for carriage by the Coast Guard or added to the International Maritime Organization's Chemical Codes and by making minor technical and editorial changes and corrections.	Final rule 5/94.

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*400-109.00	Waterfront Facilities Handling Liquefied Hazardous Gas 33 CFR 126 33 CFR 127	NPRM 58 FR 51906 10/05/93	The Coast Guard proposes to amend its regulations for waterfront facilities capable of transferring liquefied hazardous gas, in bulk, to or from vessels.	<u>Comments by 1/3/94.</u>
400-110.00	Hydrostatic Pressure Testing of Hazardous Liquid Pipelines 49 CFR 195	NPRM 56 FR 23538 05/22/91 Regulatory Agenda 58 FR 24762 04/26/93	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 1/94.
*400-112.00	Operation and Maintenance Procedures for Pipelines 49 CFR 192 49 CFR 195	NPRM 54 FR 46685 11/06/89 Regulatory Agenda 58 FR 24763 04/26/93	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 4/94.</u>
*400-118.00	Crashworthiness Protection Requirements for Tank Car Tanks 49 CFR 173	ANPRM 55 FR 20242 05/15/90 Supplemental ANPRM 55 FR 35327 08/29/90 NPRM 58 FR 52574 10/08/93	RSPA proposes revisions to the HMR to improve the crashworthiness of tank cars and restrict the continued use in hazardous materials service of tank cars that no longer meet current safety requirements. The revisions pertain to operational changes, design modifications, and retrofitting requirements.	<u>Comments by 2/7/94.</u>
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 03/03/93	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.	Comments by 5/3/93 if possible, but will be accepted beyond that date. Final rule 3/94.

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
400-121.00	Excess Flow Valve Installation on Service Lines 49 CFR 192	ANPRM 55 FR 52188 12/20/90 NPRM 58 FR 21524 04/21/93	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.	Final rule 4/94.
400-126.00	Hazardous Materials Identification Systems 49 CFR 172	ANPRM 57 FR 24532 06/09/92 Planned NPRM 58 FR 24758 04/26/93	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.	NPRM 11/93.
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 08/14/92 Regulatory Agenda 58 FR 24767 04/26/93	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 11/93.
*400-128.00	Gas Pipeline Safety Standards 49 CFR 192	NPRM 57 FR 39572 08/31/92 NPRM 57 FR 53085 11/06/92 Regulatory Agenda 58 FR 24763 04/26/93	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.	<u>Final rule on hold until late 1994.</u>
*400-129.00	Tank Car Tanks and Cargo Tank Motor Vehicles - Attendance Requirements 49 CFR 174 49 CFR 177	NPRM 57 FR 42466 09/14/92 Regulatory Agenda 58 FR 24767 04/26/93	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.	<u>Final rule 2/94.</u>

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
400-133.00	Passage of Instrumented Internal Inspection Devices 49 CFR 192 49 CFR 195	NPRM 57 FR 54745 11/20/92 Regulatory Agenda 58 FR 24766 04/26/93	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 Regulatory Agenda 58 FR 24768 04/26/93	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 1/94.
*400-136.00	Cargo Tanks - Miscellaneous Requirements 49 CFR 173 49 CFR 178 49 CFR 180	NPRM 58 FR 12316 03/03/93  Interim final rule 58 FR 46872 09/03/93	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.  RSPA amends requirements concerning the registration of Registered Inspectors and Design Certifying Engineers for certification of cargo tank motor vehicles to allow these persons meeting the prescribed experience qualification before 9/1/91 but not the education requirement to register under grandfather provisions by 12/31/95.	Final rule 3/94.  <u>Effective 9/3/93.</u>
*400-138.00	Pipeline Facilities in Environmentally-Sensitive and High-Density Population Areas 49 CFR 192 49 CFR 195	Planned NPRM 58 FR 24761 04/26/93	RSPA will propose to require gas pipeline operators to identify pipeline facilities located in high-density population areas and hazardous liquid pipeline operators to identify those in environmentally-sensitive areas.	<u>NPRM 12/94.</u>
*400-139.00	HMRS - Editorial Corrections and Clarifications 49 CFR 107 49 CFR 171-180	Final rule 58 FR 51524 10/01/93	RSPA corrects editorial errors and makes minor regulatory changes to the Hazardous Material Regulations. The amendments do not impose any new requirements on the regulated community.	<u>Effective 10/1/93.</u>

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## REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*400-141.00	Cargo Tank Motor Vehicle Requirements - Frequently Asked Questions 49 CFR 107 49 CFR 171 49 CFR 173 49 CFR 178 49 CFR 180	Notice 58 FR 53626 10/15/93	RSPA makes available its responses to frequently asked questions pertaining to requirements in the NMR applicable to cargo tank motor vehicles.	
OCCUPATIONAL SAFETY AND HEALTH ACT				
780-009.00	Occupational Exposure to Methylene Chloride 29 CFR 1910.1000	ANPRM 51 FR 42257 11/24/86 NPRM 56 FR 57036 11/07/91 Corrections 57 FR 387 01/06/92 Regulatory Agenda 58 FR 24605 04/26/93	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 9/94.
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 05/14/82 Planned NPRM 58 FR 24596 04/26/93	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 03/29/93	OSHA proposes to revise the construction industry safety standards for scaffolds to regulate the design, construction, and use of all scaffolds in construction. EPA 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.

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RJ NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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 08/05/92 Regulatory Agenda 58 FR 24596 04/26/93	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.	Final rule 12/93.
780-025.00	Occupational Exposure to 2-Methoxyethanol, 2-Ethoxyethanol and Their Acetates 29 CFR 1910.1000	ANPRM 52 FR 10586 04/02/87 NPRM 58 FR 15526 03/23/93 Corrections 58 FR 31922 06/07/93	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.	Final rule 3/94.
*780-041.00	Generic Standard for Exposure Monitoring 29 CFR 1910	ANPRM 53 FR 37591 09/27/88 Planned NPRM 58 FR 24595 04/26/93	OSHA is evaluating the feasibility and usefulness of adoption of a generic standard on exposure monitoring for employees exposed to toxic substances.	<u>Decision on whether to proceed with NPRM 1/94.</u>
780-042.00	Medical Surveillance Program for Employees 29 CFR 1910	ANPRM 53 FR 37595 09/27/88 Planned NPRM 58 FR 24596 04/26/93	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 indefinitely.

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## REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*780-044.00	Asbestos Short-Term Exposure Limit (Category III Remand Issues) 29 CFR 1910 29 CFR 1926	NPRM 55 FR 29712 07/20/90 Regulatory Agenda 58 FR 24606 04/26/93	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.	<u>Final rule 12/93.</u>
780-045.00	Hazardous Waste Training Course Certification 29 CFR 1910	NPRM 55 FR 2776 01/26/90 NOA; reopening of record 57 FR 4858 02/10/92 Regulatory Agenda 58 FR 24607 04/26/93	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 01/31/89 Regulatory Agenda 58 FR 24603 04/26/93	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.	<u>Final rule 2/94.</u>
780-052.00	Methods of Compliance 29 CFR 1910	NPRM 54 FR 23991 06/05/89 Regulatory Agenda 58 FR 24602 04/26/93	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 11/93.

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
780-054.00	Personal Protective Equipment 29 CFR 1910	NPRM 54 FR 33832 08/16/89 Regulatory Agenda 58 FR 24604 04/26/93	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.	Final rule 12/93.
780-057.00	General Industry - Personal Fall Protective Equipment 29 CFR 1910	NPRM 55 FR 13423 04/10/90 Regulatory Agenda 58 FR 24602 04/26/93	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 04/10/90 Regulatory Agenda 58 FR 24606 04/26/93	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 58 FR 24598 4/26/93	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.	<u>NPRM 7/94. Final rule 1/96.</u>
*780-061.00	Reporting of Fatality or Multiple Hospitalization Accidents 29 CFR 1904	NPRM 57 FR 21222 05/19/92 Regulatory Agenda 58 FR 24608 04/26/93	OSHA proposes to revise reporting requirements in 29 CFR 1904.8 to expand the scope and time requirements for reporting hospitalizations and fatalities.	<u>Final rule 12/93.</u>

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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 06/12/92 Interim final rule 58 FR 26590 05/04/93 IFR amendment 58 FR 34218 06/24/93	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. In response to a Congressional mandate, EPA amends the standards by reducing the permitted level of exposure to lead from 200 to 50 micrograms/cu.m. 8-hour TWA. A final rule setting standards for other air contaminants will be issued at a later date.	Final rule on hold pending resolution of general industry standard vacated and revoked rule. Interim final rule of 5/4/93 and amendment of 6/24/93 effective 6/3/93. Startup dates for various provisions are set forth in 1926.62(r).
*780-063.00	Ergonomic Safety and Health Management 29 CFR 1910	ANPRM 57 FR 34192 08/03/92 Corrections 57 FR 37591 08/19/92 Planned NPRM 58 FR 24600 04/26/93	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.	<u>NPRM 7/94.</u>
*780-064.00	Crane Safety Standards 29 CFR 1910 29 CFR 1919 29 CFR 1926	ANPRM 57 FR 47746 10/19/92 Planned NPRM 58 FR 24600 04/26/93	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.	<u>NPRM 1/95.</u>
*780-067.00	Retention of Marking and Placards to Reduce Health and Safety Risk 29 CFR 1910 29 CFR 1915 29 CFR 1917-18 29 CFR 1926 29 CFR 1928	NPRM 58 FR 47690 09/10/93	OSHA proposes that when hazardous materials are transported in DOT marked, placarded, or labeled packagings or vehicles, the employer receiving such packages or vehicles must ensure that the markings, placards, and labels are retained on them until the hazardous materials are removed so that they no longer pose a health or safety risk.	<u>Final rule undetermined.</u>

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
<b>ENDANGERED SPECIES ACT</b>				
*200-034.01	Designation of Critical Habitat - Mojave Desert Tortoise 50 CFR 17	NPRM 58 FR 45748 08/30/93	FWS proposes to designate critical habitat for the Mojave Desert tortoise ( <u>Gopherus agassizii</u> ) federally listed as a threatened species. This tortoise is located primarily on federal lands.	<u>Final rule by 8/94.</u>
*200-053.00	Endangered and Threatened Wildlife - Oregon Chub 50 CFR 17	NPRM 56 FR 58348 11/19/91 Final rule 58 FR 53800 10/18/93	The FWS lists the Oregon Chub ( <u>Oregonichthys crameri</u> ), found in several counties in western Oregon, as an endangered species under the ESA.	<u>Effective 11/17/93.</u>
*200-057.01	Recovery Plan for the Duskytail Darter	NOA 58 FR 51098 09/30/93	FWS announces the availability for public review of a draft recovery plan for the duskytail darter listed as endangered under the ESA. The area of emphasis for the recovery plan is the upper Tennessee River basin and the Big South Fork of the Cumberland River.	<u>Comments by 11/29/93.</u>
*200-058.00	Critical Habitat Designation - Least Bell's Vireo 50 CFR 17	Revised NPRM 57 FR 34892 08/07/92 Regulatory Agenda 58 FR 24468 04/26/93	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 Bernadino, San Diego, Santa Barbara, and Ventura counties in California.	<u>Final rule 12/93.</u>
*200-059.01	Sacramento River Winter-Run Chinook Salmon - Water Diversions 50 CFR 222 50 CFR 227	ANPRM 58 FR 53703 10/18/93	NMFS is considering proposing regulations that would establish screening requirements for water diversions from the Sacramento River and Delta to protect threatened winter-run chinook salmon.	<u>Comments by 12/17/93.</u>
200-060.00	Designated Critical Habitat - Snake River Sockeye Salmon, Spring/Summer/Fall Chinook Salmon 50 CFR 226	NPRM 57 FR 57051 12/02/92 Regulatory Agenda 58 FR 24473 04/26/93	The National Marine Fisheries Service proposes to designate critical habitat for the Snake River sockeye salmon ( <u>Oncorkynchus nerka</u> ) and the Snake River spring/summer and fall chinook salmon ( <u>Oncorkynchus tshawytscha</u> ).	<u>Final rule by 12/93.</u>

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## REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
200-062.00	Endangered and Threatened Plants - San Francisco Bay Serpentine Soil Plants 50 CFR 17	NPRM 57 FR 59053 12/14/92 Regulatory Agenda 58 FR 24466 04/26/93	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	Critical Habitat Designation - Colorado River Fishes 50 CFR 17	NPRM 58 FR 6578 01/29/93 Correction 58 FR 13732 03/15/93 NOA 58 FR 44188 08/19/93  NOA 58 FR 48351 09/15/93	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. EPA announces the availability of the draft Agreement for the Recovery Program and the draft Recovery Action Plan to recover these endangered fish species in the Upper Colorado River Basin.  FWS announces the availability of a biological support document for the proposal to designate critical habitat for these endangered fishes.	Final rule by 2/94.  <u>Comments accepted until further notice.</u>
*200-064.00	Endangered and Threatened Wildlife - Southwestern Willow Flycatcher 50 CFR 17	NPRM 58 FR 39495 07/23/93 Comment period extended 58 FR 53702 10/18/93	FWS proposes to list the southwestern willow flycatcher ( <i>Empidonax traillii extimus</i> ) as an endangered species and to designate critical habitat for it. The breeding range of this bird includes southern California, Arizona, New Mexico, southern portions of Nevada and Utah, and western Texas.	<u>Comments by 11/30/93.</u> Final rule by 7/94.
*200-065.00	Review of Plant Taxa for Addition to ESA List 50 CFR 17	Notice 58 FR 51144 09/30/93	FWS publishes an updated compilation of plant taxa native to the U.S. that are being reviewed for possible addition to the List of Endangered and Threatened Plants.	<u>Comments at any time, until updated notice is published in 1995.</u>
*200-066.00	Endangered and Threatened Species, Critical Habitat - Oregon Coho Salmon 50 CFR 227	Notice 58 FR 57770 10/27/93	NMFS has received a petition to list five stocks of Oregon coho salmon ( <i>Oncorhynchus kisutch</i> ) and to designate critical habitat under the ESA. In response to the petition, NMFS will conduct a comprehensive status review to assess coho salmon stocks in Washington, Oregon, and California and solicits information and data regarding this action.	<u>Comments by 12/27/93.</u>

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## REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
<b>MARINE PROTECTION, RESEARCH, AND SANCTUARIES ACT</b>				
*460-016.00	Ocean Dumping - Expansion of Designated Sites - Washington, Oregon 40 CFR 228	NPRM 57 FR 43427 09/21/92	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.	<u>Final rule 11/93.</u>
*460-017.00	Ocean Dumping Regulations 40 CFR 228	NPRM 58 FR 32322 06/09/93	EPA proposes to revise the list of designated ocean dumping sites to better organize the listing format and correct misprints and typographical errors.	<u>Final rule 6/94.</u>
<b>NATIONAL ENVIRONMENTAL POLICY ACT</b>				
*480-017.00	DOE Integrated Environmental Restoration and Waste Management Program	NOI 55 FR 42633 10/22/90 NOA 57 FR 4193 02/04/92	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.	<u>Draft PEIS first quarter CY 1994.</u>
*480-021.00	Consolidation of the Nonnuclear Component Within the Nuclear Weapons Complex	Proposed FONSI 58 FR 36658 07/08/93 Final FONSI 58 FR 48043 09/14/93	DOE issues a final Finding of No Significant Impact (FONSI) on its proposal to consolidate certain nonnuclear component manufacturing, surveillance, and storage functions of the nation's nuclear weapons complex.	
*480-022.00	Reconfiguration of DOE's Nuclear Weapons Complex	NOI 56 FR 5590 02/11/91 NOI 58 FR 39528 07/23/93	Pursuant to a recent significant reduction in the nuclear weapons stockpile, DOE issues a revised notice of intent to prepare a programmatic EIS for reconfiguring the nuclear weapons complex and asks for comments on this and whether it should be combined with the PEIS on the environmental and waste management program (RU# 480-017.00).	<u>Next action undetermined.</u>
480-023.00	USEC NEPA Procedure	Notice of proposed procedure 58 FR 44875 08/25/93	The U.S. Enrichment Corporation (USEC) proposes to adopt a procedure for implementing NEPA that is closely patterned on DOE's NEPA implementing procedures, with some modifications to reflect USEC's specific mission of operating the enterprise as a business enterprise on a profitable basis and eventually privatizing it.	Final action date undetermined.

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
<b>NATIVE AMERICAN GRAVES PROTECTION AND REPATRIATION ACT</b>				
080-001.00	Native American Graves Protection and Repatriation Act Implementation 43 CFR 10	NPRM 58 FR 31122 05/28/93	DOI proposes regulations for implementing the Native American Graves Protection and Repatriation Act of 1990. The regulations develop a systematic process for determining the rights of lineal descendants and members of Indian tribes and native Hawaiian organizations to certain native American human remains and cultural items.	Final rule 1/94.
<b>ARCHEOLOGICAL RESOURCES PROTECTION ACT</b>				
*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 09/11/91 Regulatory Agenda 58 FR 24479 04/26/93	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.	<u>Final rule undetermined.</u>
090-002.01	Curation of Federally Owned Archaeological Collections 36 CFR 79	NPRM 55 FR 37670 09/12/90 Regulatory Agenda 58 FR 24476 04/26/93	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 placed on hold.
<b>FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT</b>				
300-003.00	Guidelines on Disposal and Storage - Procedures for Recall of Canceled and Suspended Pesticides (Phase I) 40 CFR 165	Updating underway 50 FR 44656 10/29/85 NPRM 58 FR 26856 05/05/93	EPA proposes procedures for the recall and safe disposal of suspended and canceled pesticides held by registrants and owners of such pesticides. At a later date, EPA will propose data requirements and container design and residue removal regulations.	Phase I final rule 5/94. Phase II NPRM 1/94, final rule 1/95. Phase III NPRM 12/94.

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 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 08/21/92 Regulatory Agenda 58 FR 25012 04/26/93	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 6/94.
300-007.00	Restricted Use Classification for Groundwater Contaminating Pesticides 40 CFR 152.170	Notice 55 FR 5861 02/20/90 NPRM 56 FR 22076 05/13/91 NOA 56 FR 56643 11/06/91 Regulatory Agenda 58 FR 25011 04/26/93	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 5/94.
300-014.00	Experimental Use Permit Rule for Microbial Pesticides 40 CFR 172	NPRM 58 FR 5878 01/22/93 Regulatory Agenda 58 FR 25012 04/26/93	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 2/94.
*300-021.00	Certification of Restricted Use Pesticide Applicator 40 CFR 171	NPRM 55 FR 46890 11/07/90 Notice 56 FR 12007 03/21/91 Regulatory Agenda 58 FR 25012 04/26/93	EPA proposes to revise the rules regarding the certification of applicators of restricted use pesticides to upgrade the provisions of certification programs.	Final rule 6/94.

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300-026.00	National Laboratory Accreditation Program 7 CFR 100	ANPRM 57 FR 54727 11/20/92 Planned NPRM 58 FR 24020 04/26/93	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 1/94.
*300-029.00	Pesticide Products List of Inert Ingredients	NOA 58 FR 52106 10/06/93	EPA announces the availability of a revised list of pesticide product inert ingredients and their Chemical Abstract Service (CAS) numbers.	
FEDERAL MINE SAFETY AND HEALTH ACT				
330-004.00	Safety Standards for Explosives at Metal and Nonmetal Mines	NPRM 53 FR 45487 11/10/88 Final rule 56 FR 2070 01/18/91 Stay of final rule; reopening of rulemaking record 56 FR 14470 04/10/91 Partial administrative stay; effective date stayed 56 FR 46500 09/12/91 Partial stay extended 58 FR 31908 06/07/93 Partial stay extended 58 FR 44256 09/24/92	DOL updates and clarifies the Mine Safety and Health Administration's safety standards for explosives at metal and nonmetal mines to make them consistent with technological advances such as gaseous initiation systems, miniaturized detonating cord systems, and the use of bulk mixing of explosives materials.	Effective date of final rule stayed until 11/1/91 except for certain provisions which are stayed until 12/31/93.

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REGULATORY UPDATE TABLE - SEPTEMBER/OCTOBER 1993

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*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 Regulatory Agenda 58 FR 56606 10/25/93	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 12/93.</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 08/29/89 Correction 55 FR 5118 02/13/90 Regulatory Agenda 58 FR 24591 04/26/93	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 11/02/90 Regulatory Agenda 58 FR 24591 04/26/93	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 3/94.</u>
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 58 FR 24479 04/26/93	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.	<u>Final rule 1/94.</u>

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
<b>BIOTECHNOLOGY</b>				
110-005.00	Microbial Products (Biotechnology) 40 CFR 700 40 CFR 720 40 CFR 721	Planned NPRM 58 FR 25017 04/26/93	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 1/94. Final rule 1/95.
<b>PACIFIC NORTHWEST ELECTRIC POWER AND CONSERVATION ACT</b>				
*810-009.00	Power Plan Amendments - Columbia River Basin (Phase IV)	Notice 56 FR 23947 05/24/91 Notice 57 FR 61608 12/28/92 Proposed amendments 58 FR 30832 05/27/93	The Pacific Northwest Electric Power and Conservation Planning Council proposes amendments to the resident fish and wildlife provisions of the Columbia River Basin Fish and Wildlife Program, and invites comment on them.	<u>Final action on amendments at next counsel meeting in 11/93.</u>
<b>OTHER</b>				
805-023.00	Assessing Female Reproductive Risk	Proposed guidelines 53 FR 24834 06/30/88	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 11/93.
805-024.00	Assessing Male Reproductive Risk	Proposed guidelines 53 FR 24850 06/30/88	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 11/93.
805-041.00	Task Force on Wetlands - No Net Loss Strategy	Notice 55 FR 30279 07/25/90 NOA 56 FR 8560 02/28/91	The Interagency Work Group on Federal Wetlands Policy, which replaced the Domestic Policy Council's Task Force on Wetlands under the Bush Administration, issued a Federal Wetlands Policy in August, 1993 outlining strategies for attaining "no net loss" of wetlands. An Executive Order is also planned. DOE is represented on the Council.	Executive Order by 2/94 establishing "no net loss" policy.

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805-047.00	WAPA's Energy Planning and Management Program	Proposed Program 56 FR 16093 04/19/91	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.
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 08/14/91	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 NAS completes its wetlands study by 11/94.
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 58 FR 25031 04/26/93	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).
805-056.00	Transfer by Federal Agencies of Information to NTIS 15 CFR 1180	NPRM 58 FR 27681 05/11/93	NTIS proposes procedures for the timely transfer to NTIS of unclassified scientific, technical and engineering information resulting from federally funded research and development activities.	Final rule 5/94.
*805-058.00	Reduction of Internal Management Regulations	Notice 58 FR 48255 09/14/93	The President of the U.S. issues Executive Order 12861 requiring each executive department and agency to reduce by 50 percent its internal management regulations.	
*805-059.00	Regulatory Planning and Review - Executive Order	Executive Order 58 FR 51735 10/04/93	The President of the U.S. issues Executive Order 12866, "Regulatory Planning and Review," to reform and make more efficient the regulatory process of the federal agencies.	

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*805-060.00	Use of Negotiated Rulemaking	Notice 58 FR 52391 10/07/93	The President of the U.S. issues a memorandum to the federal agencies concerning the use of negotiated rulemaking in developing regulations and directs each agency to explore the use of this process in at least one rulemaking this year.	
*805-061.00	List of Hydric Soils in the United States	Notice 58 FR 52078 10/06/93	The Soil Conservation Service publishes changes to the national list of hydric soils. Hydric soils are those commonly found in wetland areas.	
*805-062.00	Federal Acquisition, Recycling, and Waste Prevention	Executive Order 58 FR 54911 10/22/93	The President of the U.S. issues Executive Order 12873, "Federal Acquisition, Recycling, and Waste Prevention."	

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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 planned through November 30, 1993. Additions/changes are those listed in the online *IRIS* database as accessed by our personnel through the National Library of Medicine. 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 November 30, 1993. 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) <sup>-1</sup>	INHAL SLOPE FACTOR (mg/kg/day) <sup>-1</sup>
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	..	..
ACETOCHLOR	034256-82-1	2E-2	..	..	..	..
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	1E-3	..	D	..	..
ALDICARB SULFONE	001646-88-4	1E-3	..	..	..	..
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	..	..	..	..

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>	INHAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>
ANILINE	000062-53-3	--	1E-3	B2	5.7E-3	--
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	--
AROCOR 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	3E-2	--	--	--	--
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	7.3E+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	--	--	--	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	BPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>	INHAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>
BIPHENYL, 1,1'-	000092-52-4	5E-2	..	D	..	..
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	..	..	..	..
CAPTAFOI	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	..	..	..	..

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>	INHAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>
CHLORAMBEN	000133-90-4	1.5E-2	--	--	--	--
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, O-	000095-49-8	2E-2	--	--	--	--
CHLORPROPHAM	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	--	--	--	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>	INHAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>
CYANAZINE	021725-46-2	2E-3	--	--	--	--
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-	000096-12-8	--	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	--	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>	INHAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>
DICHLOROETHYLENE, 1,2-T-	000156-60-5	2E-2	--	--	--	--
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	5E-4	--	B2	2.9E-1	--
DIELDRIN	000060-57-1	5E-5	--	B2	1.6E+1	--
DIESEL ENGINE EMISSIONS	NO CASRN	--	5E-3	--	--	--
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	--	--	--	--

NAME	CASRN	ORAL R/D (mg/kg/day)	INHAL R/C (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>	INHAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>
DINITROTOLUENE MIXTURE	NO CASRN	--	--	B2	--	--
DINOSEB	000088-85-7	1E-3	--	D	--	--
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	--	--	--	--	--
FLUOMETURON	002164-17-2	1.3E-2	--	--	--	--



NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>	INHAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>
FLUORANTHENE	000206-44-0	4E-2	--	D	--	--
FLUORENE	000086-73-7	4E-2	--	D	--	--
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	--	--	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	--	--

NAME	CASRN	ORAL R/D (mg/kg/day)	INHAL R/C (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>	INHAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>
HEXACHLOROCYCLOHEXANE, TECHNICAL	000608-73-1	--	--	B2	1.8E+0	--
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	--	--
IPIODIONE	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	--	--

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MCPA	000094-74-6	5E-4	--	--	--	--
MCPB	000094-81-5	1E-2	--	--	--	--
MCPP	000093-65-2	1E-3	--	--	--	--
MEPIQUAT CHLORIDE	024307-26-4	3E-2	--	--	--	--
MERCURY, INORGANIC	007439-97-6	--	--	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	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	--	--	--	--	--
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	--	--	--	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>	INHAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>
NAPHTHALENE	000091-20-3	--	--	D	--	--
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	--	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>	INHAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>
P-CHLOROPHENYL METHYL SULFIDE	000123-09-1	--	--	D	--	--
P-CHLOROPHENYL METHYL SULFONE	000098-57-7	--	--	D	--	--
P-CHLOROPHENYL METHYL SULFOXIDE	000934-73-6	--	--	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	--	--	--	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>	INHAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>
PROPICONAZOLE	060207-90-1	1.3E-2	--	--	--	--
PROPIONIC ACID, 2(2,4,5- TRICHLOROPHENOXY)-	000093-72-1	8E-3	--	D	--	--
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	--	--	--	--
SIMAZINE	000122-34-9	5E-3	--	--	--	--
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	1E+0	--	--	--
TEBUTHIURON	034014-18-1	5E-2	--	--	--	--
TERBACIL	005902-51-2	1.3E-2	--	--	--	--
TERBUTRYN	000886-50-0	1E-3	--	--	--	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL. RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>	INHAL. SLOPE FACTOR (mg/kg/day) <sup>1</sup>
TETRABROMODIPHENYL OXIDE	040088-47-9	--	--	D	--	--
TETRACHLOROBENZENE, 1,2,4,5-	000095-94-3	3E-4	--	B2	1.6	--
TETRACHLOROCYCLOPENTADIENE	000695-77-2	--	--	D	--	--
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	--	--	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	--	--

NAME	CASRN	ORAL RfD (mg/kg day)	INITIAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg day)	INITIAL SLOPE FACTOR (mg/kg day)
TRICHLOROETHANE, 1,1,2-	000079-00-5	4E-3	..	C	5.7E-2	..
TRICHLOROETHYLENE	000079-01-6	..	..	..	..	..
TRICHLOROFLUOROMETHANE	000075-69-4	3E-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	..	..	..
VINYL BROMIDE	000593-60-2	..	3E-3	..	..	..
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

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September/October 1993

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	180-119.00		46 CFR 40	400-083.02	
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	180-092.00		46 CFR 147	400-083.02	
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40 CFR 302	180-042.00			400-139.00	
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