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Environmental Regulatory Update Table

October 1991

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L. M. Houlberg
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Environmental Sciences Division
Publication No. 3643

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FOR THE UNITED STATES
DEPARTMENT OF ENERGY



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ENVIRONMENTAL SCIENCES DIVISION

ENVIRONMENTAL REGULATORY UPDATE TABLE

OCTOBER 1991

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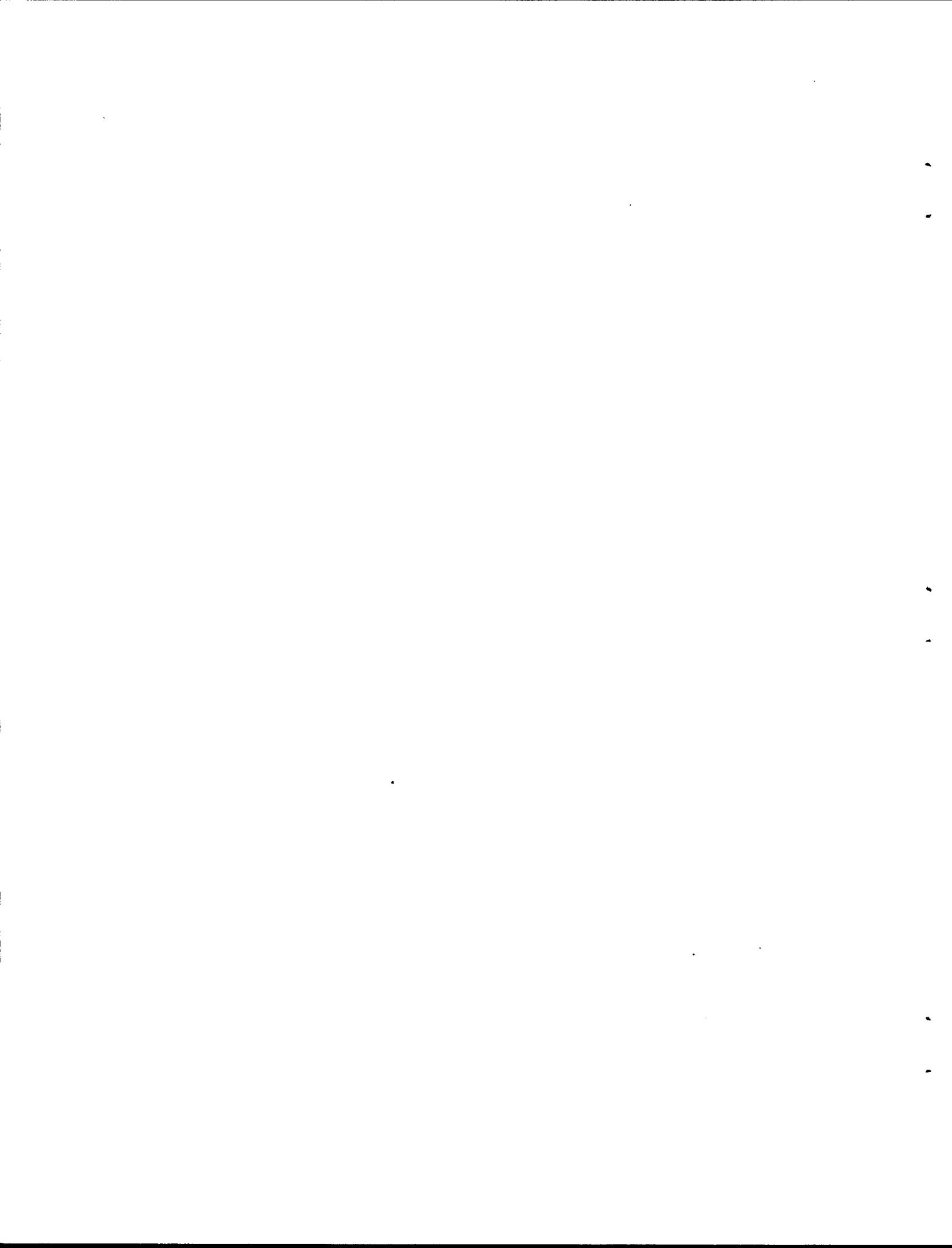
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Monthly Environmental Regulatory Update

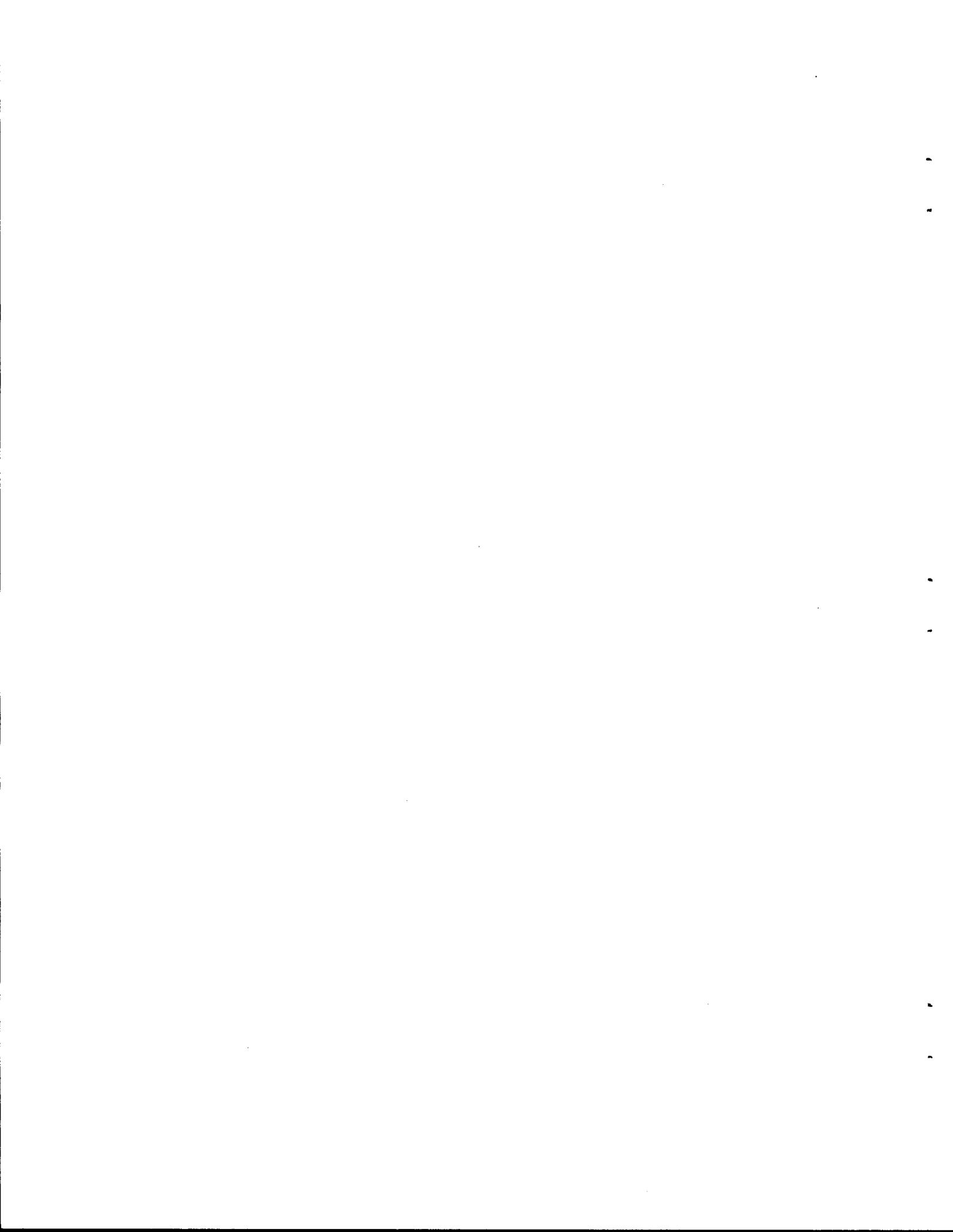
This report contains a monthly update of environmental regulatory activity that is of interest to the Department of Energy. It is provided to DOE operations and contractor staff to assist and support environmental management programs by tracking regulatory developments. Any proposed regulation that raises 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), (FTS) 896-9581, (Commercial) 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 each month 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.

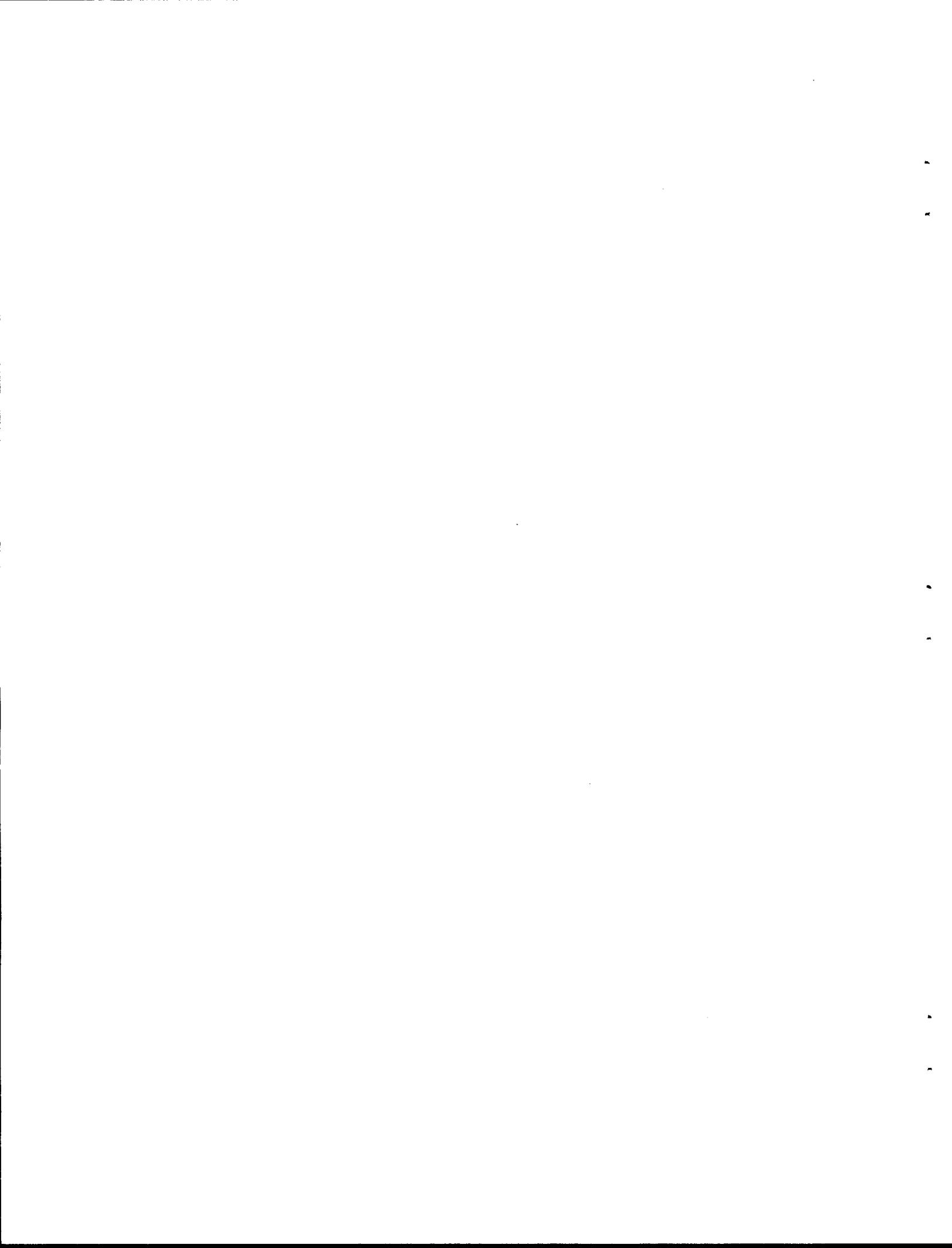


U.S. DEPARTMENT OF ENERGY

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

ENVIRONMENTAL REGULATORY UPDATE

OCTOBER 1991

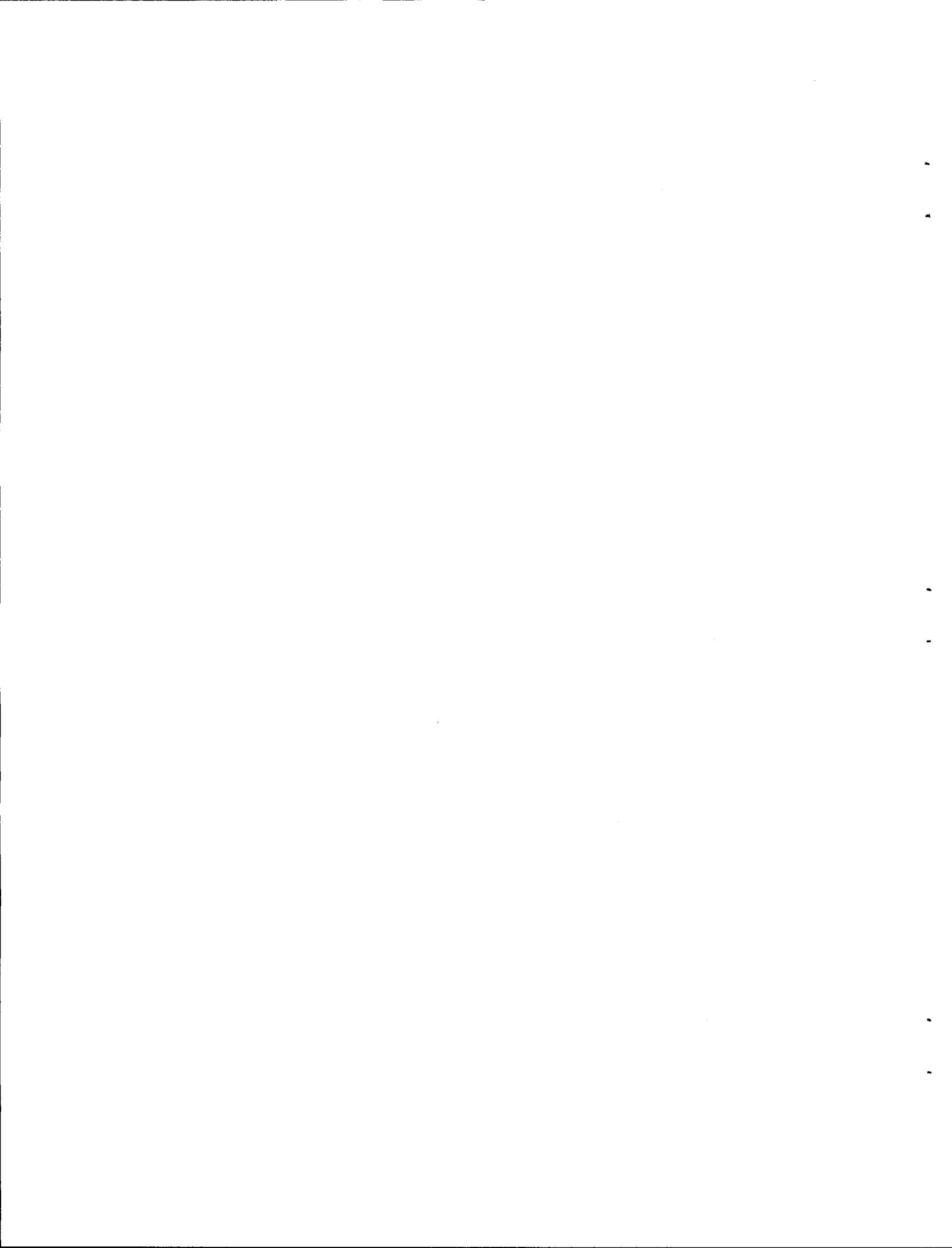


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*RU numbers are identifiers that are assigned to each regulatory initiative for tracking purposes. The first three digits are coded to the statute, and the last three digits are specific to individual initiatives. The update table is first organized 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.



Regulatory Highlights - October, 1991

1. Solid Waste Disposal Facility Criteria - Final Rule

As required by section 405(d) of the Clean Water Act (CWA) and section 4010 of the Resource Conservation and Recovery Act (RCRA), EPA issues a final rule (NPRM: 8-30-88) adding a new part 258 to 40 CFR to establish revised minimum federal criteria for municipal solid waste landfills (MSWLFs). The rule also amends 40 CFR part 257, which has the current requirements for MSWLFs, to exclude MSWLFs from its coverage. The new part 258 defines a MSWLF as a "discrete area of land or an excavation that receives household waste, and that is not a land application unit, surface impoundment, injection well, or waste pile, as those terms are defined under 257.2. A MSWLF unit also may receive other types of RCRA Subtitle D wastes, such as commercial solid waste, nonhazardous sludge, small quantity generator waste and industrial solid waste." The rule establishes location restrictions which will require owners/operators of MSWLF units to make appropriate demonstrations of safety and/or protection to human health and the environment if the unit is located in or near wetlands, floodplains, seismic impact zones, unstable areas, fault areas, and airports. Existing MSWLF units are subject only to floodplain, unstable area, and airport location restrictions, whereas new units and lateral expansions of existing MSWLFs are subject to all of the location criteria. The operating criteria in the rule require that owners/operators of MSWLFs must: (1) prevent the disposal of regulated hazardous wastes, (2) cover disposed solid waste with six inches of earthen material at the end of each operating day, (3) prevent or control on-site disease vectors, (4) monitor for methane, (5) eliminate most open burning, (6) control public access, (7) construct run-on and run-off controls, (8) control discharges to surface water, and (9) eliminate the disposal of most liquid wastes. The design criteria, applicable only to new MSWLFs and lateral expansions, depend on the status of the MSWLF permit program for the state in which a unit is located. (In early 1992 EPA intends to propose criteria by which state programs will be approved.) Approved states will be able to consider site-specific conditions of a landfill in determining whether a design will meet the performance standard of 258.40. The standard requires that the design be able to ensure that the maximum contaminant levels for chemicals listed in Table 1 of section 258.40 will not be exceeded in the uppermost aquifer at the relevant point of compliance. In unapproved states the rule requires a design consisting of a composite liner and a leachate collection system. Finally, the rule also sets requirements for groundwater monitoring and corrective action, closure and post-closure care, financial assurance, and recordkeeping. All of the requirements of part 258, except groundwater monitoring (for existing MSWLF units and lateral expansions) and financial assurance, are effective on October 9, 1993. Groundwater monitoring criteria for existing units and lateral expansions will be phased in over a five-year period, while financial assurance requirements are effective on April 9, 1994. (10-9-91, 56 FR 50978, RU# 840-051)

2. Land Disposal Restrictions: Potential Treatment Standards for Newly Identified and Listed Wastes and Contaminated Soil - Advance Notice of Proposed Rulemaking

As required by the 1984 Hazardous and Solid Waste Amendments to the Resource Conservation and Recovery Act (RCRA), EPA issues an advance notice of proposed rulemaking (ANPRM) to establish land disposal restrictions at 40 CFR 268 for newly identified and listed hazardous wastes and contaminated soil. Specifically, the Agency offers potential approaches for determining treatment standards, or Best Demonstrated Available Technology (BDAT) standards, for the wastes identified in the notice. (Wastes meeting the BDAT standards set by EPA are not prohibited from land disposal.) In developing standards for the wastes, EPA indicates that it would prefer to set concentration-based treatment standards rather than technology-specific standards to give the regulated community flexibility in choosing treatment technologies. Also, the Agency intends to base the development of BDAT standards for the newly identified and listed wastes on the transfer of performance data from the treatment of wastes with similar chemical/physical characteristics or similar concentrations of hazardous constituents. Among the potential BDAT standards suggested in the notice are those for wastes newly identified as Toxicity Characteristic (TC) organic wastes (EPA waste codes D018 - D043). EPA added these organics to the list of chemicals required to be tested for in wastes in a rule issued on 3-29-90 which also changed the procedure for determining toxicity from the Extraction Procedure to the Toxicity Characteristic Leaching Procedure. For the new TC wastes, the Agency is promoting the development of concentration-based treatment standards based on a total constituent analysis. EPA indicates that a major issue in setting treatment standards for the newly identified TC wastes will be deciding whether or not to require treatment below levels that define the waste as hazardous. In addition to BDAT standards for new TC wastes, the Agency is considering revising treatment standards for contaminated soil. EPA suggests several options for developing concentration-based treatment standards for contaminated soil depending on the type/extent of contamination and/or soil type. Development of BDAT standards for new TC wastes, contaminated soil, and other newly identified and listed wastes in the notice (e.g., mineral processing wastes and newly identified and listed wastes mixed with radioactive wastes) are dependent upon EPA's analysis of various types of information. Therefore, as they pertain to wastes identified in the notice, comments and data are requested in several areas including treatment technologies, treatment capacity, and waste minimization. Comments and data are sought by December 9, 1991.

(10-24-91, 56 FR 55160, RU# 840-305)

3. Oil Pollution Prevention; Non-transportation-related Onshore and Offshore Facilities - Proposed Rule

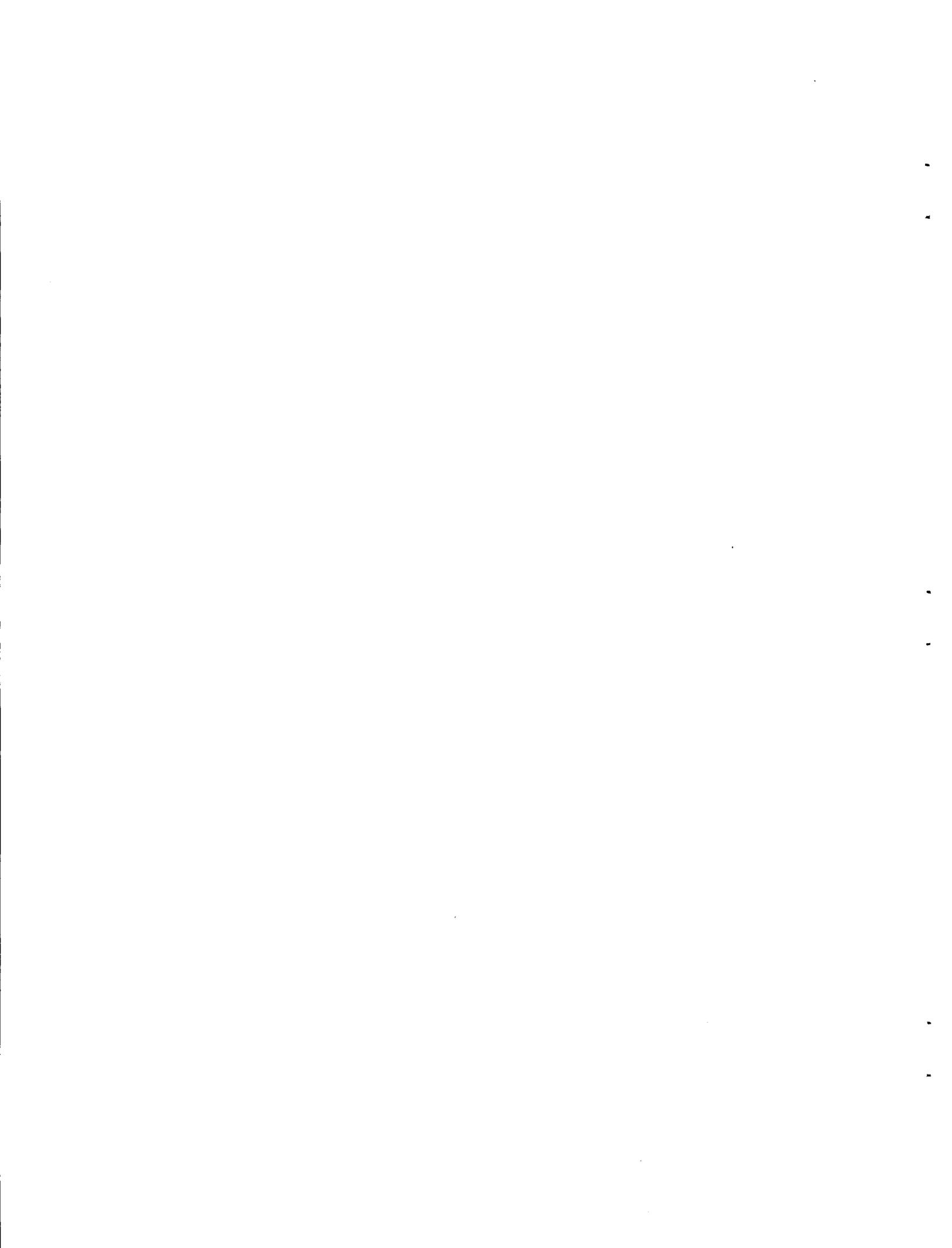
Under section 311(j)(1)(C) of the Clean Water Act the EPA is proposing to revise the Oil Pollution Prevention regulation (40 CFR part 112). This proposed rule establishes a requirement for Spill Prevention, Control, and Countermeasures (SPCC). The proposed revision involves changes in the applicability of and required procedures for the

completion of SPCC Plans, as well as the addition of a facility notification provision. A two-phase approach has been chosen by EPA. Phase One revisions, which include provisions that generally do not require EPA to gather substantial additional data, are proposed. Phase Two revisions to be addressed in a separate rulemaking will address other recommendations, such as facility-specific contingency planning and above ground storage tank integrity testing requirements. EPA is proposing to require all facilities that are currently subject to the Oil Pollution Prevention regulation to notify the EPA of certain SPCC-related facility characteristics. All facilities that become subject to this regulation in the future must notify the EPA prior to beginning operations at the facility. The agency is proposing to require only elementary contingency planning steps that are currently included in most existing SPCC Plans, such as the inclusion in the plan of a list of contacts. Also proposed is the clarification of the existing requirement that facilities without secondary containment or diversionary measures must complete a site-specific contingency plan. To avoid duplication of regulations the agency is proposing to exempt from this rule underground storage tanks that are now subject to the requirements of EPA's Underground Storage Tank program. EPA proposes to require that SPCC Plans be amended before any change is made in facility design, construction, operation, or maintenance affecting the facility's potential for discharge of oil into waters of the United States unless an extension has been granted by the Regional Administrator. The proposed rule changes from three to five years the time required for retention of records of inspections, test results, and written procedures for performance. Comments on this proposed rule should be submitted by December 23, 1991. (10-22-91, 56 FR 54612-54641, RU# 140-092)

4. Implementation of Section 311 of the Federal Water Pollution Control Act of October 18, 1972, as Amended, and the Oil Pollution Act of 1990 - Executive Order 12777

Section 311 of the Federal Water Pollution Control Act (commonly known as the Clean Water Act or "CWA"), which deals with oil and hazardous substance liability, was significantly amended by the Oil Pollution Act of 1990 to improve federal response to oil spills. To implement these changes the President of the United States, using his authority under section 311 of the CWA, signed Executive Order (E.O.) 12777 on October 18, 1991. This E.O. revises the National Oil and Hazardous Substance Contingency Plan (NCP), which was established in part to provide directions to respond to oil and hazardous substance discharges, with regard to response actions and Natural Resource Trustee's responsibilities pertinent to oil spill response and damage assessment. The E.O. gives EPA the authority to regulate non-transportation onshore oil facilities and the Department of Transportation (DOT) authority over oil transportation facilities. Both EPA and DOT are given jurisdiction to promulgate regulations in several areas including oil spill prevention, response plans, inspections, and coordination of spill cleanups. To handle the payment of claims and natural resource recovery costs resulting from spills, the E.O. gives the Coast Guard the responsibility for managing the Oil Spill Liability Trust Fund.

(10-22-91, 56 FR 54757)



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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
RESOURCE CONSERVATION AND RECOVERY ACT				
	Oil Pollution Prevention -- RU# 140-092			
	Pesticide Storage -- RU# 300-003			
	Test Procedures Under CWA and RCRA for the Analysis of Pollutants - Test Methods Using CFCs -- RU# 140-116			
*840-006	Ignitable Hazardous Waste 40 CFR 261.21	Under development 50 FR 17818 4/19/85	EPA is developing tests and hazard thresholds for identifying ignitable solid wastes.	<u>Rulemaking</u> <u>initiative dropped.</u>
840-009	Management of Used Oil 40 CFR 260 40 CFR 261 40 CFR 271 40 CFR 302	NPRM 50 FR 49258 11/29/85 NOA 51 FR 8206 3/10/86 Tentative schedule 51 FR 41900 11/19/86 Supplemental NPRM 56 FR 48000 9/23/91	EPA announces the availability of additional data on used oil and its residuals. EPA will consider the new data in making its final decision whether or not to list used oils as hazardous waste as proposed in November, 1985. EPA also proposes listing as hazardous four wastes from the reprocessing and re-refining of used oil. Finally, EPA provides additional information on the proposed used oil management standards for recycled oil under Sect. 3014 of RCRA.	Final rule 5/92.

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*840-024	Containerized Liquids in Landfills 40 CFR 260 40 CFR 264 40 CFR 265 40 CFR 271	NPRM 51 FR 46824 12/24/86 NOA 52 FR 23695 6/24/87 Regulatory Agenda 56 FR 54052 10/21/91 NOA 56 FR 55646 10/29/91	EPA proposes to prohibit disposal of free liquids and containers with liquid hazardous wastes and exclude the use of absorbents that biodegrade and release liquids when compressed. These rules will not apply to owners or operators of landfills in which only PCB chemical waste regulated under 40 CFR 761 are disposed. PCBs mixed with a RCRA hazardous waste must comply with all requirements under both RCRA and TSCA. EPA makes available the results of a single laboratory and multilaboratory collaborative study on an improved pressurized Liquids Release Test (LRT) for determining if free liquids could be released from sorbed liquid wastes.	<u>Final rule 10/92.</u> <u>Comments by 1/13/92.</u>
*840-051	Solid Waste Disposal Facility Criteria 40 CFR 257 40 CFR 258	NPRM 53 FR 33314 8/30/88 Final rule 56 FR 50978 10/9/91	EPA amends 40 CFR 257 by including information requirements for certain solid waste disposal facilities and excluding municipal solid waste landfills (MSWLFs) from Part 257 and adds a new Part 258 to spell out specific requirements for MSWLFs.	<u>Effective 10/9/93</u> <u>except Subpart G of</u> <u>Part 258 is</u> <u>effective 4/9/94.</u>

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*840-056	Burning of Hazardous Waste in Boilers and Industrial Furnaces 40 CFR 260 40 CFR 261 40 CFR 264 40 CFR 265 40 CFR 266 40 CFR 270 40 CFR 271	NPRM 52 FR 16982 5/6/87 Corrections 52 FR 18043 5/13/87 Corrections 52 FR 25612 7/8/87 Supplement to NPRM 54 FR 43718 10/26/89 Technical corrections 55 FR 17862 4/27/90 Final rule 56 FR 7134 2/21/91 Technical amendment 56 FR 32688 7/17/91 Technical amendment 56 FR 42504 8/27/91 Administrative stay 56 FR 43874 9/5/91 Notice 56 FR 47959 9/23/91	EPA establishes emission standards for boilers and industrial furnaces that burn hazardous waste fuels in order to control emissions of toxic organic compounds, toxic metals, hydrogen chloride, chlorine gas, and particulate matter. In addition, this rule subjects owners and operators of these devices to the general facility standards applicable to hazardous waste TSD facilities and subjects hazardous waste storage units at regulated burner facilities to part 264 permit standards. Finally, EPA promulgates a definition of sludge dryer and revises the definition of incinerator to explicitly exclude sludge dryers (as proposed 7/18/90, 55 FR 29230). EPA also takes final action on two pending petitions by designating halogen acid furnaces as industrial furnaces and classifying coke and coal tar fuels produced by recycling coal tar decanter sludge as products rather than solid waste. EPA makes several technical amendments to the final rule for boilers and industrial furnaces burning hazardous waste to provide clarification and correct unintended consequences of the rule. EPA announces an administrative stay of the 2/21/91 final rule as it applies to coke ovens burning hazardous waste from the coke by-products recovery process. The stay remains in effect until the rulemaking initiative to exclude such wastes from subtitle C jurisdiction when recycled is promulgated (see RU# 840-268).	Final rule of 2/21/91 and technical amendment of 7/17/91 effective 8/21/91. <u>OSW to issue implementation guidance document 2/92.</u> Stay remains in effect until final promulgation of RU# 840-268.

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*840-071	Definition of Solid Waste - Technical Corrections 40 CFR 261 40 CFR 266	Final rule 50 FR 6141 1/4/85 Amendments 50 FR 14216 4/11/85 Technical corrections 50 FR 33541 8/20/85 Corrections 52 FR 21306 6/5/87 NPRM 53 FR 519 1/8/88 Correction 53 FR 6059 2/29/88 Regulatory Agenda 56 FR 54064 10/21/91	EPA proposes to exclude certain materials from its regulations (40 CFR Part 261) on recycled hazardous secondary materials. This regulation will provide: (1) EPA's interpretation of a court opinion concerning the Agency's authority to regulate certain recycled hazardous secondary materials and (2) amendments to the rules required by the court's opinion.	<u>Withdrawn 9/30/91.</u> <u>Rulemaking</u> <u>superseded by</u> <u>RU#'s 840-306, 840-307.</u>
*840-107	Location Standards for TSD Facilities 40 CFR 261 40 CFR 264 40 CFR 265 40 CFR 270	Notice 55 FR 19981 5/14/90 Planned NPRM 56 FR 54057 10/21/91	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 12/91. <u>Final rule 12/93.</u>
*840-109	Land Disposal Liners and Leak Detection 40 CFR 260 40 CFR 264 40 CFR 265 40 CFR 270 40 CFR 271	NPRM 52 FR 20218 5/29/87 Regulatory Agenda 56 FR 54062 10/21/91	EPA proposes to require leak detection systems for new RCRA landfills and impoundments, extend the double liner requirement to waste piles and to landfills and impoundments not already covered, and develop a construction quality assurance program for certain impoundments and final covers.	Final rule 9/92.

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
840-131	Hazardous Waste TSD Facilities - Financial Assurance for Corrective Action 40 CFR 264 40 CFR 270 40 CFR 271	NPRM 51 FR 37854 10/24/86 Notice 54 FR 40728 10/3/89 Notice 55 FR 19981 5/14/90	EPA proposes to amend the financial responsibility and permitting standards for TSD owners and operators to require them to demonstrate financial assurance for completion of any required corrective action for a release to any medium from any solid waste management unit. Acceptable mechanisms include a trust fund, surety bond guaranteeing performance, letter of credit, financial test, or corporate guarantee.	Placed on hold indefinitely.
*840-133	Solid Waste Management Units - Corrective Action 40 CFR 264 40 CFR 265 40 CFR 270 40 CFR 271	NPRM 55 FR 30798 7/27/90 Regulatory Agenda 56 FR 54063 10/21/91	EPA proposes procedures and technical requirements for implementing corrective action for solid waste management units (SWMUs) at facilities seeking a permit under Sect. 3004(u) of RCRA. 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. It also proposes to amend permit requirements, make conforming changes to facility closure information requirements, and establish standards for states to be authorized to administer corrective action requirements.	Final rule 1/93.
*840-135	Landfill, Surface Impoundment, and Waste Pile Closures 40 CFR 264 40 CFR 265 40 CFR 270	NPRM 52 FR 8712 3/19/87 Regulatory Agenda 56 FR 54057 10/21/91	EPA proposes amendments to the RCRA landfill, surface impoundment, and waste pile closure rule to allow the use of site-specific closure requirements. The regulations address waste and site characteristics, potential pathways of hazardous constituent migration, and health effects.	Reproposed NPRM and guidelines on hold.

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*840-138	Double Liner and Leachate Collection System 40 CFR 124 40 CFR 144 40 CFR 260 40 CFR 264 40 CFR 265 40 CFR 270	NPRM 51 FR 10706 3/28/86 NOA 52 FR 12566 4/17/87 Regulatory Agenda 56 FR 54062 10/21/91	This rule proposes minimum technology requirements for double liner systems for land disposal units. Information comparing the performance of compacted soil and composite bottom liners and two draft technical guidance documents are available.	Final rule 9/92.
*840-142	Air Emission Standards for Volatile Organics at TSD Facilities 40 CFR 264 40 CFR 265	NPRM - Phase II 56 FR 33490 7/22/91 Regulatory Agenda 56 FR 54087 10/21/91	EPA proposes air emission standards for emissions of volatile organics from tanks and impoundments at hazardous waste TSD facilities. The standards would require that organic emission controls be installed and operated on tanks, surface impoundments, containers, and certain miscellaneous units if any hazardous waste having a volatile organic concentration equal to or greater than 500 ppm by weight is placed in the unit.	Final rule 7/92.
*840-146	Treatment and Disposal of Contaminated Debris (LDRs - Phase I) 40 CFR 268	ANPRM 56 FR 24444 5/30/91 Planned NPRM 56 FR 54053 10/21/91	EPA requests data and comments on (1) possible BDAT and treatment capacity for wastes identified and listed as hazardous since the enactment of the HSWA of 1984, two newly listed petroleum refining wastes, and contaminated debris; (2) modifications and additions to treatment standards for various wastes; and (3) waste minimization and treatment technologies and performance.	NPRM 11/91. Final rule 5/92.

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*840-148	Metals Emissions Controls for Hazardous Waste Incinerators 40 CFR 264	NPRM; supplemental NPRM; technical corrections 55 FR 17862 4/27/90 Correction 55 FR 20678 5/18/90 Regulatory Agenda 56 FR 54063 10/21/91	EPA proposes to: (1) amend the hazardous waste incinerator regulations to improve control of toxic metal, hydrogen chloride, and residual organic emissions; (2) define plasma arc and infrared incinerators; (3) regulate carbon regeneration units as thermal treatment devices; and (4) make minor revisions to the permitting procedures.	Final rule 6/92.
*840-149	Experimental Facilities Conducting Hazardous Waste Research 40 CFR 264 40 CFR 270	Planned NPRM 56 FR 54058 10/21/91	Special permitting procedures will be established for facilities conducting research on the storage, treatment, or disposal of hazardous wastes to allow greater flexibility without requiring frequent permit modifications.	NPRM on hold.
*840-151	Compliance Monitoring and Enforcement - State Programs 40 CFR 271.15 40 CFR 271.16	Planned NPRM 56 FR 54059 10/21/91	The regulations for state authorization requirements for compliance monitoring and enforcement will be revised to reflect HSWA. EPA will consider other changes, such as the requirement for states to have administrative penalty authority.	<u>NPRM 1/92</u> . Final rule 11/92.
840-156	Batch-Type Adsorption Procedures for Estimating Soil Attenuation of Chemicals	NOA draft 52 FR 22380 6/11/87	EPA issues a NOA of a draft Technical Resource Document entitled "Batch-Type Adsorption Procedures for Estimating Soil Attenuation of Chemicals."	Final document undetermined.

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*840-171	Amendments to Groundwater Monitoring Regulations 40 CFR 260 40 CFR 264 40 CFR 270	NPRM 53 FR 28160 7/26/88 Regulatory Agenda 56 FR 54062 10/21/91	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 1/92.
*840-173	Solid Waste Test Methods (Manual SW-846 Third Edition - Updates I and II) 40 CFR 260 40 CFR 261 40 CFR 262 40 CFR 264 40 CFR 265 40 CFR 268 40 CFR 270	NPRM - Update I 54 FR 3212 1/23/89 NOA 55 FR 4440 2/8/90 Regulatory Agenda 56 FR 54061 10/21/91 Planned NPRM - Update II 56 FR 54055 10/21/91	EPA proposes to update the Third Edition of SW-846, incorporate it into the RCRA regulations, and mandate minimum QC procedures for all RCRA testing. EPA proposes a number of technical modifications and/or clarifications to the Third Edition of SW-846 and the inclusion of specific QC procedures in SW-846 which are described in the "Report on Minimum Criteria to Assure Data Quality." The Agency is also considering deleting appendices III and X to 40 CFR 261. EPA will propose to revise certain test methods and add other new test methods that are approved or required under RCRA. These new and revised methods are found in Update II to the Third Edition of SW-846.	Final rule 12/91. NPRM 12/91. <u>Final rule 10/92.</u>
*840-175	Releases to Groundwater (Subpart F) - Corrective Action 40 CFR 264 40 CFR 270	Planned NPRM 56 FR 54058 10/21/91	These regulations will amend the technical and procedural requirements for conducting corrective action to clean up significant releases to groundwater from regulated hazardous waste units at operating, closed, or closing RCRA facilities and the requirements for implementing remedial action, remedy selection, and corrective measures.	NPRM placed on hold, pending action on RU# 840-133.
*840-176	Groundwater Monitoring - Hazardous Constituents 40 CFR 264 40 CFR 270	Planned NPRM 56 FR 54058 10/21/91	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.	<u>NPRM 12/91.</u>

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*840-185	USTs Containing Hazardous Substances - Financial Responsibility 40 CFR 280	ANPRM 53 FR 3818 2/9/88 Planned NPRM 56 FR 54060 10/21/91	EPA will propose to establish financial responsibility requirements for owners and operators of underground storage tanks (UST) containing hazardous substances. An exemption is to be proposed for federally owned tanks.	NPRM 9/92. Final rule 9/93.
*840-189	Wastes from the Combustion of Coal 40 CFR undetermined	NOA 53 FR 9976 3/28/88 Regulatory Agenda 56 FR 54052 10/21/91	EPA has issued "Report to Congress: Wastes from the Combustion of Coal by Electric Utility Power Plants," compiled in response to Sect. 8002(n) of RCRA. EPA will determine whether to regulate these wastes.	Regulatory determination postponed indefinitely, pending RCRA reauthorization.
*840-191	Municipal Waste Combustor Ash Management 40 CFR undetermined	Regulatory Agenda 56 FR 54064 10/21/91	EPA has determined a need to develop a management scheme for handling and disposing of municipal waste combustor ash. The Agency is considering various options for addressing concerns over fugitive dust emissions and groundwater contamination.	<u>Withdrawn 9/30/91.</u>
*840-193	No-Migration Variance for Restricted Hazardous Waste Land Disposal 40 CFR 268	Notice 56 FR 46431 9/12/91 Planned NPRM 56 FR 54055 10/21/91	A regulation will be proposed that interprets the statutory requirements for making a "no-migration" demonstration that would allow the land disposal of untreated hazardous waste that has been restricted from land disposal. An accompanying draft guidance manual will assist in characterizing environmental media of concern and environmental pathways along which migration may occur.	NPRM 12/91. Final rule 12/92.

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*840-195	Identification and Listing of Hazardous Wastes - Deminimus Exemption Levels 40 CFR 260-262 40 CFR 264-265 40 CFR 270-271 40 CFR 302	Planned NPRM 56 FR 54056 10/21/91	EPA will propose exemptions from regulation for any currently listed wastes that are not hazardous because the hazardous constituents are present at levels lower than the concentration levels established by this rule. This includes chlorinated aliphatics production wastes and wastes from explosives and inorganic chemicals. In addition, EPA will propose to modify some of the numerical treatment standards listed in the LDRs.	<u>Placed on hold indefinitely.</u>
*840-221	Use of Groundwater Data in Delisting Petitions - Subpart C 40 CFR 260.22	NPRM 54 FR 41930 10/12/89 Regulatory Agenda 56 FR 54061 10/21/91	EPA proposes to require those who submit delisting petitions for hazardous wastes to provide groundwater monitoring data as part of their petition.	Final rule 12/91.
840-225	State Solid Waste Management Program - New Jersey 40 CFR 256	NPRM 53 FR 40243 10/14/88	EPA proposes to approve the State of New Jersey Solid Waste Management Plan, subject to public review and comment.	Final rule undetermined.
*840-230	USTs Containing Petroleum - Financial Responsibility Requirements 40 CFR 280 40 CFR 281	NPRM 55 FR 24692 6/18/90 Regulatory Agenda 56 FR 54063 10/21/91	EPA proposes to add to the 10/26/88 final rule four alternative mechanisms for use by local governments to demonstrate financial responsibility for taking corrective action and compensating third parties for bodily injury and property damage caused by sudden and nonsudden accidental underground storage tank releases.	<u>Final rule 1/92.</u>
		NPRM 56 FR 40292 8/14/91 Regulatory Agenda 56 54053 10/21/91	EPA proposes to extend until 12/31/92 the date for owners/operators of USTs containing petroleum to comply with the financial responsibility requirements of 40 CFR 280 subpart H as established in the 10/31/90 final rule (55 FR 46022).	<u>Final rule 1/92.</u>

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*840-231	Waste Minimization Program for Hazardous Waste Generators	Draft guidance document 54 FR 25055 6/12/89	EPA issues "Draft Guidance to Hazardous Waste Generators on the Elements of a Waste Minimization Program," intended to help generators comply with the certification requirements of Sects. 3002(b) and 3005(h) of RCRA/HSWA. The guidance is an application of the proposed source reduction and recycling policy statement.	Final guidance document 12/91.
*840-244	Standards for the Tracking and Management of Medical Waste 40 CFR 259	Interim final rule 54 FR 12326 3/24/89 Notice; final rule amendments 54 FR 24310 6/6/89 NOA 55 FR 1770 1/18/90 Corrections 55 FR 27228 7/2/90 NOA 55 FR 28096 7/9/90 NOA 55 FR 43219 10/26/90 NOA 56 FR 2178 1/22/91 Regulatory Agenda 56 FR 54064 10/21/91	EPA publishes an interim final rule implementing the Medical Waste Tracking Act (MWTa) demonstration program. The program sets forth segregation, packaging, labeling, tracking, transportation, and recordkeeping requirements of medical waste generated in the covered states, and lists the wastes to be covered by the program. States participating in the program include NY, NJ, CT, RI, and Puerto Rico.	Interim final rule effective 6/22/89. Amendments effective 6/6/89. Tracking regulations effective 6/22/89 in NY, NJ, CT, 7/24/89 in RI and Puerto Rico. Final report to Congress 4/92. <u>Rulemaking initiative withdrawn 9/30/91.</u>

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*840-248	Revision of Subtitle C Financial Test Criteria 40 CFR 264 40 CFR 265 40 CFR 280 40 CFR 761	NPRM 56 FR 30201 7/1/91 Regulatory Agenda 56 FR 54063 10/21/91	EPA proposes to revise the financial test criteria for closure and post-closure care, the financial tests for closure and post-closure care and third-party liability coverage, the claims reporting provision, and the provisions for obtaining a letter of credit. In addition, the Agency proposes to allow a nonparent company to provide a guarantee as a demonstration of financial assurance for closure and post-closure care. Finally, EPA proposes to require the owner/operator of a disposal facility to certify compliance with deed notice requirements after closure of a hazardous waste facility.	<u>Final rule 7/92.</u>
*840-251	Hazardous Waste Sump Requirements 40 CFR 260 40 CFR 264 40 CFR 265	Planned NPRM 56 FR 54058 10/21/91	EPA will propose to amend several hazardous waste tank system requirements as applied to existing sumps that are situated inside buildings and constructed as an integral part of the building's floor or foundation. Boeing Company is petitioning EPA to regulate these sumps independently of other hazardous waste storage/treatment tank systems because of differences in design, construction, and use.	NPRM 1/92.
840-263	Environmental Restoration and Waste Management Five-Year Plan	NOA 56 FR 43590 9/3/91	DOE gives notice of the availability of the Environmental Restoration and Waste Management Five-Year Plan for Fiscal Years 1993-1997. The Five-Year Plan describes DOE's plans for achieving major environmental cleanup and compliance objectives over a 5-year planning horizon.	Comments by 12/6/91.
*840-267	Identification and Listing of Hazardous Wastes from Chlorotoluene Production 40 CFR 261 40 CFR 271 40 CFR 302	NPRM 56 FR 51592 10/11/91	EPA proposes to list chlorinated toluenes production wastes as hazardous and to designate these wastes as CERCLA hazardous substances with appropriate RQs.	<u>Comments by 12/10/91. Final rule 9/92.</u>

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*840-268	Identification and Listing of Hazardous Wastes from Coke By-Product Industries 40 CFR 261 40 CFR 271 40 CFR 302	NPRM 56 FR 35758 7/26/91 Regulatory Agenda 56 FR 54062 10/21/91	EPA proposes to: (1) amend the regulations for hazardous waste listing by adding seven additional wastes generated during the production, recovery, and refining of coke by-products produced from coal to the list of hazardous wastes under 40 CFR 261.32; (2) amend appendix VII of 40 CFR part 261 to add the constituents for which these wastes are being listed; (3) designate these wastes as hazardous substances under CERCLA; and (4) adjust the reportable quantities (RQs) applicable to these wastes from the statutory level of one pound to their final RQs.	<u>Final rule 7/92.</u>
840-277	State Hazardous Waste Management Program - Arkansas 40 CFR 271	Immediate final rule 56 FR 47153 9/18/91	EPA grants final authorization to Arkansas for revisions to its hazardous waste management program, subject to public review and comment.	Final authorization effective 11/18/91.
840-280	State Hazardous Waste Management Program - Oklahoma 40 CFR 271	Immediate final rule 56 FR 47675 9/20/91	EPA grants final authorization to Oklahoma for revisions to its state hazardous waste management program, subject to public review and comments.	Final authorization effective 11/19/91.
*840-286	Permit Modifications to Hazardous Waste Management Facilities 40 CFR 270.41	Planned NPRM 56 FR 54055 10/21/91	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.	On hold.
*840-287	Adequacy Determinations for State Solid Waste Programs 40 CFR 239	Planned NPRM 56 FR 54060 10/21/91	This regulation will describe procedures EPA will use to make determinations of adequacy for state solid waste permitting programs, as required by Sect. 4005 of RCRA.	NPRM 11/91. Final rule 11/92.

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840-288	Identification and Listing of Hazardous Waste 40 CFR 261	NPRM 56 FR 33238 7/19/91	EPA proposes to revise the language in 40 CFR 261 dealing with the criteria used in listing wastes as hazardous to state that wastes will be listed as hazardous if they contain one or more Appendix VIII constituents and EPA determines that the waste is capable of posing substantial harm if managed improperly.	Final rule undetermined.
*840-294	Amendments to Biennial Reporting Requirements 40 CFR 262.41 40 CFR 264.75 40 CFR 271.10	Planned NPRM 56 FR 54057 10/21/91	EPA plans an amendment to require states to modify their hazardous waste reporting systems to collect additional data elements from their large quantity generators and TSD facilities. Such data will help EPA to better understand the demographics of hazardous waste generation and management.	<u>NPRM 11/91. Final rule 10/92.</u>
*840-295	Treatment of Indian Tribes as States Under RCRA Subtitle C 40 CFR 271	Planned NPRM 56 FR 54059 10/21/91	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 11/91. Final rule 11/92.</u>
*840-296	Materials Source Separation for Municipal Waste Landfills 40 CFR 256-258	Planned ANPRM 56 FR 54052 10/21/91	In response to the shortage of landfill capacity, EPA issued in 1989 a strategy for improving the management of municipal solid waste which set a national goal of 25% source reduction and recycling by 1992. EPA is considering issuing a source separation proposal for municipal landfills to help accomplish this objective.	ANPRM on hold.
*840-297	Standards for Downgradient Groundwater Monitoring Well Locations 40 CFR 265	NPRM; NOA 56 FR 2108 1/18/91 Regulatory Agenda 56 FR 54061 10/21/91	EPA proposes to allow alternate placement of hydraulically downgradient monitoring wells at interim status facilities where existing physical obstacles prevent installation at the limits of the waste management area.	Final rule 12/91.

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*840-300	Hazardous Waste Surface Impoundment Retrofitting 40 CFR 268.5	Planned NPRM 56 FR 54059 10/21/91	EPA will issue an interpretive rule that will allow four years to retrofit surface impoundments for those wastes granted a national capacity variance unless treatment capacity becomes available sooner.	NPRM 11/91. Final rule 6/92.
*840-305	Treatment and Disposal of Contaminated Soil and TC Wastes 40 CFR 268	ANPRM 56 FR 55160 10/24/91	EPA will propose treatment standards that must be met before contaminated hazardous soil or organic toxicity characteristic (TC) wastes may be disposed of on land.	Comments by 12/9/91. NPRM 5/92. Final rule 5/93.
*840-306	Definition of Solid Waste; Regulations Governing HW Recycling 40 CFR 261 40 CFR 266	Planned NPRM 56 FR 54054 10/21/91	EPA will propose to modify the current regulatory framework to improve the implementation of the regulations that define a solid waste and the regulations governing the recycling of hazardous wastes.	NPRM 11/91.
*840-307	Hazardous Waste Recycling - Battery Recycling, Use Constituting Disposal, and Others 40 CFR 261 40 CFR 266	Planned NPRM 56 FR 54054 10/21/91	EPA will propose to modify the regulatory program for hazardous waste recycling to address activities such as use constituting disposal, battery recycling, closed loop recycling, and management of recalled pesticides.	NPRM 11/91. Final rule 6/92.

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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			
	Identification and Listing of Hazardous Wastes from Coke By-Product Industries - RU# 840-268			
	List of Substances and Threshold Quantities -- RU# 120-183			
	Identification and Listing of Hazardous Wastes from Chlorotoluene Production -- RU# 840-267			
*180-025	Natural Resource Damage Assessments - Type B 43 CFR 11	ANPRM 54 FR 39016 9/22/89 NPRM 56 FR 19752 4/29/91 Regulatory Agenda 56 FR 53446 10/21/91	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.	Final rule 1/92.
*180-031	Response Claims Procedures 40 CFR 307	NPRM 54 FR 37892 9/13/89 Corrections 54 FR 46423 11/3/89 Regulatory Agenda 56 FR 54093 10/21/91	EPA proposes to establish procedures for (1) filing, evaluating, and resolving claims for costs incurred for responding to releases of hazardous substances, pollutants, or contaminants and (2) notifying concerned parties regarding limitations on the payment of response claims.	Final rule 1/92.

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*180-042	Federally Permitted Releases 40 CFR 117 40 CFR 302 40 CFR 355	NPRM 53 FR 27268 7/19/88 Supplemental Notice 54 FR 29306 7/11/89 Regulatory Agenda 56 FR 54092 10/21/91	EPA proposes to clarify the federally permitted release exemptions from CERCLA release reporting and liability provisions.	Final rule 3/92.
*180-056	Designation of Extremely Hazardous Substances as CERCLA Hazardous Substances 40 CFR 302	NPRM 54 FR 3388 1/23/89 Notice 54 FR 15802 4/19/89 Regulatory Agenda 56 FR 54092 10/21/91	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 12/91.
*180-065	Reimbursement to Local Governments for Emergency Response to Hazardous Substance Releases 40 CFR 310	Interim final rule 52 FR 39386 10/21/87 Regulatory Agenda 56 FR 54094 10/21/91	EPA authorizes reimbursement of local governments for costs incurred in providing temporary emergency measures in response to releases of hazardous substances. Reimbursement is limited to \$25,000 per incident and is not intended to supplant local funds normally provided for response.	Final rule 6/92.

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*180-072	RQ Adjustments for Substances on the Extremely Hazardous Substances List 40 CFR 302 40 CFR 355	NPRM 54 FR 35988 8/30/89 Regulatory Agenda 56 FR 54092 10/21/91	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 12/91.
*180-073	National Contingency Plan - Off-Site Response Actions 40 CFR 300 40 CFR 300.440	NPRM 53 FR 48218 11/29/88 Regulatory Agenda 56 FR 54094 10/21/91	EPA proposes to amend the National Contingency Plan by adding a new Sect. 300.440 dealing with the off-site management of CERCLA wastes, including those resulting from CERCLA decision documents signed before the enactment of SARA. The rule prescribes procedures whereby affected facilities may ask EPA for review of the off-site acceptability determinations.	<u>Withdrawn 9/30/91.</u>
*180-077	Natural Resource Damage Assessments - Type A 43 CFR 11	ANPRM 54 FR 5093 2/1/89 ANPRM 54 FR 39013 9/22/89 Planned NPRM 56 FR 53445 10/22/91	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 5/92.</u>
		ANPRM 53 FR 21043 6/2/88 ANPRM 54 FR 39015 9/22/89 Correction 54 FR 41363 10/6/89 Planned NPRM 56 FR 53444 10/22/91	DOI intends to make modifications to its ongoing efforts to develop a type A natural resource damage assessment procedure for Great Lakes environments to conform with recent court rulings.	NPRM 1/92.

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*180-086	Toxicological Profiles	NOA 56 FR 46436 9/12/91	ATSDR announces the availability of the draft toxicological profile for fluorides to be included in the fourth set of 30 draft toxicological documents.	Comments by 12/16/91.
		NOA 56 FR 52036 10/17/91	ATSDR announces the availability of twenty updated draft toxicological profiles.	<u>Comments by 2/8/92.</u>
*180-088	Prior Notice of Citizen Suits - CERCLA 40 CFR 373	NPRM 54 FR 3918 1/26/89 Regulatory Agenda 56 FR 54094 10/21/91	EPA proposes regulations prescribing the manner in which notice of citizen suits is to be provided. They govern the notice required to be given 60 days prior to the filing of a citizen suit.	Final rule 11/91.
*180-092	National Contingency Plan - Subpart K, Federal Facilities Requirements 40 CFR 300	Planned NPRM 56 FR 54090 10/21/91	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>NPRM still in interagency review; may be out by 2/92. Final rule 11/92.</u>
*180-096	CERCLA Cost Recovery Program 40 CFR 2 40 CFR 300 40 CFR 308	Planned NPRM 56 FR 54090 10/21/91	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. This rulemaking will be used to identify the specific recoverable costs, the documentation sufficient to prove EPA's case, and the documents that will be available to PRPs.	<u>NPRM 12/91. Final rule 10/92.</u>

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*180-105	RQs of Lead, Lead Compounds, and Lead-Containing Hazardous Waste Streams 40 CFR 117 40 CFR 302 40 CFR 355	Planned NPRM 56 FR 54089 10/21/91	EPA is considering proposing a rule to adjust the reportable quantities of lead metal, lead compounds, lead-containing hazardous waste streams, and methyl isocyanate.	<u>NPRM 1/92. Final rule 1/93.</u>
*180-106	Procedures for Reimbursement Petitions Under CERCLA 40 CFR undetermined	Planned NPRM 56 FR 54091 10/21/91	EPA is considering proposing a rule to set out a uniform process to review petitions for cost reimbursement filed by parties who have been ordered to clean up Superfund sites.	<u>NPRM 3/92.</u>
*180-107	Natural Resource Damage Assessments - Oil Pollution 15 CFR Ch. IX	ANPRM 55 FR 53478 12/28/90 Planned NPRM 56 FR 53164 10/21/91	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.	<u>NPRM 3/92. Final rule 8/92.</u>
*180-111	National Priorities List - Eleventh Update 40 CFR 300	NPRM 56 FR 35840 7/29/91 Regulatory Agenda 56 FR 54090 10/21/91	EPA proposes to add 22 new sites to the National Priorities List (NPL) for uncontrolled hazardous wastes in the National Contingency Plan.	<u>Final rule 12/91.</u>
*180-112	National Priorities List - Twelfth Update 40 CFR 300.66	Planned NPRM 56 FR 54090 10/21/91	EPA will propose to revise the National Priorities List (NPL) for uncontrolled hazardous waste sites in the National Contingency Plan. CERCLA requires the NPL to be updated at least annually.	<u>NPRM 12/91. Final rule 5/92.</u>

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*180-113	Revisions to the NCP Required by the Oil Pollution Act 40 CFR 300	Planned NPRM 56 FR 54091 10/21/91	The Oil Pollution Act of 1990 requires that EPA prepare and publish revisions to the National Contingency Plan (NCP) for the removal of oil and hazardous substances to implement the requirements of the Oil Pollution Act. EPA will also consider new mandates, such as adding a Fish and Wildlife Plan and Area Contingency Plans.	<u>NPRM 2/92. Final 10/92.</u>
*180-114	National Contingency Plan - Lender Liability 40 CFR 300	NPRM 56 FR 28798 6/24/91 Regulatory Agenda 56 FR 54096 10/21/91	EPA proposes to interpret the CERCLA term, "security interest exemption," to clarify the range of activities that may be undertaken by a private or governmental lending institution or other entity that holds a security interest in a facility in the course of protecting the security interest, without being considered to be participating in the facility's management and thereby voiding the exemption.	<u>Final rule 12/91.</u>
*180-117	Revised Priority List of Hazardous Substances	Notice 56 FR 52166 10/17/91	EPA and ATSDR give notice of a revised priority list of 275 hazardous substances based on the most comprehensive information currently available for substances found at NPL sites. This revised list replaces previously published priority lists.	<u>Comments at any time.</u>
*180-118	Priority Data Needs for Hazardous Substances	Notice 56 FR 52178 10/17/91	ATSDR announces the initiation of the Substance-Specific Applied Research Program mandated by CERCLA by announcing the priority data needs for 38 hazardous substances. These data needs represent essential information required by ATSDR and state agencies to perform public health assessments of persons at risk of exposure to substances released from hazardous waste sites.	<u>Comments by 1/15/92.</u>
*180-119	CAA Hazardous Pollutants - CERCLA Designation and RQ Adjustments 40 CFR 302.4	Planned NPRM 56 FR 54089 10/21/91	EPA will designate as CERCLA hazardous substances non-CERCLA hazardous air pollutants recently added to Sect. 112 of the CAA by the amendments of 1990 and will adjust the RQs of these hazardous air pollutants.	<u>NPRM 10/92. Final rule 10/93.</u>

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*180-120	Procedures for Contract Laboratory Program Investigation - NCP Appendix 40 CFR 300	Planned NPRM 56 FR 54090 10/21/91	EPA will propose procedures for OSWER to deal consistently with Contract Laboratory Program (CLP) labs under investigation for alleged fraud.	<u>NPRM 11/91. Final rule 12/91.</u>
SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT				
SARA Section 110 Chemicals Generic Test Rule -- RU# 920-113				
*190-014	Technical Assistance Grants - NPL Sites 40 CFR 300 40 CFR 35 40 CFR Ch. 1	ANPRM 52 FR 22244 6/10/87 Interim final rule 53 FR 9736 3/24/88 Interim final rule amendment 54 FR 49848 12/1/89 Regulatory Agenda 56 FR 54093 10/21/91	EPA issues an interim final rule specifying requirements citizens' groups must meet to obtain technical assistance grants. EPA amends its interim final rule regarding the technical assistance grant program in order to foster greater participation of citizens' groups in the grant program. The grants are limited to \$50,000 per site and requires matching funds. This limit may be waived.	Interim final rule effective 3/24/88. Amendment effective 12/1/89. Final rule 11/91.
*190-038	Prior Notice of Citizen Suits - EPCRA 40 CFR 373	NPRM 54 FR 3918 1/26/89 Regulatory Agenda 56 FR 54094 10/21/91	EPA proposes regulations prescribing the manner in which notice of citizen suits is to be provided. They govern the notice required to be given 60 days prior to the filing of a citizen suit.	Final rule 11/91.

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*190-042	Administrative Hearing Procedures for Superfund Claims 40 CFR 305	Planned NPRM 56 FR 54093 10/21/91	EPA will establish procedures for conducting administrative hearings for persons who have made claims against Superfund but are dissatisfied with the award.	Interim final rule 5/92.
*190-044	Administrative Hearing Procedures for SARA Class II Civil Penalties 40 CFR 22	Interim final rule 54 FR 21174 5/16/89 Regulatory Agenda 56 FR 54094 10/21/91	EPA establishes procedures for the administrative assessment of Class II civil penalties for violations of provisions of Sect. 109 of CERCLA and Sect. 325 of EPCRA.	<u>Final rule 11/91.</u>
190-048	Superfund Response Action Contractor Indemnification	Proposed policy 54 FR 46012 10/31/89	EPA issues a proposed guidance document to implement Sect. 119 of CERCLA as amended by SARA. Sect. 119 provides the President with discretionary authority to indemnify response action contractors (RACs) for negligent releases arising out of response action activities at sites on the NPL and removal action sites. As delegated by the President, EPA may also extend indemnification to states (or a political subdivision) and potentially responsible parties (PRPs).	Final guidance document 1/92.
*190-051	Toxic Chemical "Peak Release" Reporting Rule (Revision) 40 CFR 372	Planned NPRM 56 FR 54028 10/21/91	EPA will propose to add a "peak release" report element to the Toxic Chemical Release Inventory Reporting Form. The proposal addresses the issue of obtaining more specific indication of the frequency and/or duration of releases in order to better assess risks to health and the environment.	NPRM on hold pending review of Pollution Prevention Strategy.

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
190-053	Toxic Chemical Release Reporting - Ammonium Sulfate 40 CFR 372	NPRM 55 FR 12144 3/30/90 NOA 55 FR 12148 3/30/90	In response to a petition, EPA proposes to delete ammonium sulfate (solution) from the list of toxic chemicals under Sect. 313 of SARA because releases of ammonium sulfate (solution) can be more effectively covered by the ammonia listing. EPA is clarifying the ammonia listing so that it encompasses other sources of aqueous ammonia.	Final rule undetermined; EPA will not release schedule for action.
*190-056	Extremely Hazardous Substance List - Explosivity Criteria 40 CFR 355	ANPRM; NOA 55 FR 35012 8/27/90 Planned NPRM 56 FR 54091 10/21/91	EPA is considering proposing that chemicals displaying certain flammability and explosivity criteria be added to the list of extremely hazardous substances under Title III of SARA. The Agency announces the availability of technical background documents on the potential criteria for listing explosives and flammables.	NPRM 4/92.
*190-057	Mandatory Pollution Prevention Reporting in TRI Reports 40 CFR 372	NPRM 56 FR 48475 9/25/91 Regulatory Agenda 56 FR 54092 10/21/91	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.	<u>Final rule undetermined.</u>
190-059	Non-APA Consolidated Rules of Practice for Administrative Assessment of Civil Penalties Under CERCLA, SARA, SDWA, and CWA 40 CFR 28	NPRM 56 FR 29996 7/1/91	EPA proposes non-APA (Administrative Procedure Act) consolidated rules of practice for its administrative assessment of Class I and II civil penalties under Sect. 109 of CERCLA, Sect. 325 of EPCRA, Sects. 309 and 311 of CWA, and Sect. 1423 of SDWA.	Final rule undetermined.

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
190-060	Toxic Chemical Release Reporting - Sulfuric Acid 40 CFR 372	NPRM 56 FR 34156 7/26/91	EPA grants a petition to modify the listing for sulfuric acid on the list of toxic chemicals subject to Sect. 313 of EPCRA. Specifically, EPA proposes to delete nonaerosol forms of sulfuric acid from the list of toxic chemicals subject to Sect. 313.	Final rule undetermined.
*190-061	Addition of Air Toxics to Toxics Release Inventory 40 CFR 372	Planned NPRM 56 FR 54028 10/21/91	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 2/92.</u>

SAFE DRINKING WATER ACT

Drinking Water Chemicals Proposed Test Rule - RU# 920-123

Non-APA Consolidated Rules of Practice for Administrative Assessment of Civil Penalties Under CERCLA, SARA, SDWA, and CWA - RU# 190-059

880-007	Primary Drinking Water Regulations - Radionuclides (Phase IV) 40 CFR 141 40 CFR 142	ANPRM for MCLGs 48 FR 45502 10/5/83 ANPRM for MCLs 51 FR 34836 9/30/86 NPRM 56 FR 33050 7/18/91 Corrections 56 FR 43573 9/3/91 Corrections 56 FR 52241 10/18/91 Regulatory Agenda 56 FR 54049 10/21/91	EPA proposes MCLGs of zero and the following MCLs for radionuclides: radium-226 and radium-228, 20 pCi/l; radon-222, 300 pCi/l; uranium, 30 pCi/l; beta and photon emitters (excluding radium-228), 4 mrem/yr; gross alpha emitters (excluding radium-226, uranium, and radon-222), 15 pCi/l. EPA also proposes monitoring, reporting, and public notification requirements for these radionuclides.	Final rule 4/93.
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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
880-010	NPDWRs - Synthetic Organic Chemicals and Inorganic Chemicals (Phase II) 40 CFR 141 40 CFR 142 40 CFR 143	ANPRM 48 FR 45502 10/5/83 NPRM MCLGs 50 FR 46936 11/13/85 Corrections 51 FR 4618 2/6/86 NPRM 54 FR 22062 5/22/89 Final rule 56 FR 3526 1/30/91 NPRM 54 FR 3600 1/30/91 Final rule 56 FR 30266 7/1/91	EPA establishes SDWA MCLGs and NPDWRs for 26 synthetic organic chemicals and seven inorganic chemicals. NPDWRs include MCLs or treatment techniques, proposed monitoring, reporting, and public notification requirements. EPA also sets the Best Available Technology (BAT) on which MCLs are based, the BAT for the purpose of issuing variances, secondary MCLs for two contaminants, and one-time monitoring requirements for 30 chemicals that are not regulated by NPDWRs. EPA revises monitoring requirements for the eight VOCs promulgated 7/8/87 (52 FR 25690) and establishes MCLs and MCLGs for aldicarb, aldicarb sulfoxide, aldicarb sulfone, pentachlorophenol, and barium.	Effective 7/30/92. Monitoring/sampling requirements effective 7/30/92. MCLs/MCLGs effective 1/1/93.
*880-011	NPDWRs - Disinfectants and Disinfection By-Products (Phase VI) 40 CFR 141 40 CFR 142	Planned NPRM 56 FR 54046 10/21/91	EPA may propose MCLGs for disinfectants and disinfection by-products in drinking water, to be followed by proposed MCLs and monitoring requirements at the same time the MCLGs are finalized. EPA will propose that all public water systems use disinfection.	NPRM 6/93. <u>Final rule 6/95.</u>

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*880-013	NPDWRs - Inorganic and Organic Compounds (Phase V/24) 40 CFR 141 40 CFR 142 40 CFR 143	ANPRM 48 FR 45502 10/5/83 NPRM 55 FR 30370 7/25/90 Regulatory Agenda 56 FR 54050 10/21/91	EPA proposes MCLGs and NPDWRs for 18 synthetic organic chemicals and six inorganic chemicals. The NPDWRs consist of MCLs and monitoring, reporting, and public notification requirements. EPA also proposes the best available technology (BAT) upon which the MCLs are based, BAT for the purpose of issuing variances, and a SMCL for one contaminant.	Final rule 2/92.
*880-027	Amendments to the UIC Program ("Reg Fix Package") 40 CFR 144 40 CFR 146	NPRM 55 FR 26462 6/28/90 Regulatory Agenda 56 FR 54049 10/21/91	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 1/92.
*880-030	Wellhead Protection and Sole Source Aquifer Demonstration Programs - Indian Tribes 40 CFR 35	NPRM 52 FR 46712 12/9/87 Regulatory Agenda 56 FR 54049 10/21/91	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 1/92.

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*880-034	NPDWRs Lead & Copper 40 CFR 141 40 CFR 142	NPRM 53 FR 31516 8/18/88 Corrections 53 FR 35952 9/15/88 Correction 53 FR 36696 9/21/88 NOA 53 FR 40270 10/14/88 NOA 55 FR 42409 10/19/90 Final rule 56 FR 26460 6/7/91 Corrections 56 FR 32112 7/15/91	EPA promulgates MCLGs and NPDWRs for controlling lead and copper in drinking water. EPA sets MCLGs of zero for lead and 1.3 mg/L for copper. EPA sets NPDWRs consisting of a treatment technique requirement that includes corrosion control treatment, source water treatment, lead service line replacement, and public education.	Final rule effective 12/7/92. Interim MCL for lead remains in effect until that time.
*880-046	NPDWRs - Arsenic 40 CFR 141	Planned NPRM 56 FR 54047 10/21/91	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 NPDWRs. The final schedule is dependent on settlement of the suit.	NPRM 11/92. <u>Final rule 11/94.</u>
*880-047	Drinking Water Laboratory Certification Regulations 40 CFR 141 40 CFR 142	Planned NPRM 56 FR 54047 10/21/91	EPA will propose and promulgate national regulations for certification of laboratories which analyze compliance samples under the SDWA. These regulations will establish the "National Quality Assurance Program for Lab Certification," described in 40 CFR 142(b)(2)-(3).	<u>NPRM 12/92.</u>

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*880-049	Management of Class V Injection Wells Under Part C 40 CFR 144 40 CFR 145 40 CFR 146	Planned NPRM 56 FR 54048 10/21/91	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.	<u>NPRM 11/92. Final rule 2/94.</u>
880-050	NPDWRs - Contaminants From First Drinking Water Priority List (Phase VI) 40 CFR 141	Planned NPRM 56 FR 54047 10/21/91	EPA will set MCLGs and NPDWRs for about 25 contaminants from the first drinking water priority list, as required by the SDWA Amendments of 1986. The Act requires regulation of at least 25 contaminants every three years starting in 1991.	<u>NPRM 6/93. Final rule 6/95.</u>
880-053	Revision of VOC Analytical Methods 40 CFR 141	Planned NPRM 56 FR 54047 10/21/91	EPA will propose to replace the 1986 versions of methods 502.1, 502.2, 503.1, 504, 524.1, and 524.2 for monitoring of eight regulated VOCs and 51 unregulated VOCs with the December 1988 version of the same methods and allow the use of these same updated methods for compliance monitoring of trihalomethanes in drinking water.	<u>NPRM 12/91. Final rule 9/92.</u>
*880-056	Class I Hazardous Waste Injection Wells - UIC Regulations 40 CFR 146	NPRM 56 FR 41108 8/19/91 Regulatory Agenda 56 FR 54049 10/21/91	EPA proposes to require that a casing inspection log (CIL) be run whenever the owner or operator of a Class I hazardous waste injection well conducts a workover in which the injection tubing is pulled.	Final rule 8/92.
*880-058	NPDWRs - Variances and Exemptions 40 CFR 141	Planned NPRM 56 FR 54048 10/21/91	EPA will establish criteria for the issuance of variances and exemptions under the SDWA to enable small systems with high costs to have more time to comply with selected regulations.	<u>NPRM 12/91. Final rule 9/92.</u>

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
CLEAN WATER ACT				
Non-APA Consolidated Rules of Practice for Administrative Assessment of Civil Penalties Under CERCLA, SARA, SDWA, and CWA - RU# 190-059				
*140-018	Chemical Test Procedures for Analysis of Pollutants 40 CFR 136	NPRM 52 FR 33547 9/3/87 Final rule 55 FR 24532 6/15/90 Technical amendment 56 FR 43702 9/4/91 Technical amendment 56 FR 50758 10/8/91 NPRM 56 FR 5090 2/7/91 Notice 56 FR 24814 5/31/91 NPRM 56 FR 55410 10/25/91	EPA amends the Guidelines Establishing Test Procedures for the Analysis of Pollutants under Sect. 304(h) of the CWA by approving an additional technique, the direct current plasma (DCP) atomic emission spectrometric method, to measure concentrations of 23 inorganic chemicals. EPA amends 40 CFR 136 to add clarifying footnotes to the lists of approved test procedures; update method citations in Tables IA, IB, IC, ID and IE; and correct certain typographical errors and omissions. Under Sect. 304(h) of the CWA, EPA proposes to amend the guidelines establishing test procedures for the analysis of pollutants by adding a method for the analysis of 17 tetra- through octa-chlorinated dioxin and furan compounds. EPA proposes to add an alternate procedure, microwave heating, for the digestion and preparation of domestic and industrial wastewater samples prior to analysis for the determination of 13 inorganic chemicals.	Final rule effective 7/16/90. Amendment of 9/4/91 effective 10/4/91. <u>Technical amendment of 10/8/91 effective immediately.</u> <u>Final rule 2/92.</u> <u>Comments by 12/24/91.</u>

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*140-035	Disposal of Sewage Sludge 40 CFR 257 40 CFR 503	NPRM 54 FR 5746 2/6/89 NOA 54 FR 43124 10/20/89 NOA 55 FR 47210 11/9/90 Notice 56 FR 30448 7/2/91 Notice 56 FR 33186 7/18/91 Regulatory Agenda 56 FR 54045 10/21/91	EPA proposes technical requirements for the final use and disposal of sewage sludge when landfarmed, sold, monofilled, surface disposed, or incinerated. Related computer programs and background documents are listed. The standards will be expanded and revised as information becomes available.	Final rule 1/92.
140-039	NPDES Permit - Compliance Extension for Innovative Technologies 40 CFR 122 40 CFR 124 40 CFR 125	NPRM 50 FR 49904 12/5/85	EPA proposes a revised rule for dischargers of toxic and nonconventional pollutants who apply for NPDES extensions to install innovative technologies under Sect. 301(k) of the Clean Water Act.	Reproposed NPRM 2/92.
*140-041	Disposal Sites - Denial or Restriction 40 CFR 231	Planned NPRM 56 FR 54042 10/21/91	EPA will revise 404(c) regulations by establishing procedures to be invoked when they are considering the use of 404(c) to prevent the discharge of dredged or fill material into a defined area of U.S. waters. The revisions are based on a review of previous experience.	NPRM 1/93. Final rule 1/94.

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*140-066	Water Quality Standards for Toxic Pollutants 40 CFR 131	Planned ANPRM 56 FR 54038 10/21/91	EPA will establish, on a national basis, numeric water quality criteria for toxic pollutants that will become part of the water quality standards of states that have failed to comply with Sect. 303(c)(2)(B) of the CWA, thus bringing those standards into compliance with the CWA.	<u>ANPRM 11/91. NPRM 5/92. Final rule 7/92.</u>
*140-067	Revisions to the NPDES Regulations 40 CFR 122-125 40 CFR 403 40 CFR 434 40 CFR 501	Planned NPRM 56 FR 54041 10/21/91	EPA will propose revisions to the NPDES regulations to clarify existing requirements and policies.	<u>NPRM 5/92. Final rule 5/93.</u>
*140-076	Water Quality Standards - Indian Tribes 40 CFR 131	Interim final rule 54 FR 14354 4/11/89 NPRM 54 FR 39098 9/22/89 Notice 55 FR 3643 2/2/90 Regulatory Agenda 56 FR 54043 10/21/91	EPA proposes criteria and procedures by which an Indian Tribe can qualify for treatment as a state for purposes of standards and certification programs and mechanisms to resolve unreasonable consequences that may arise from an Indian Tribe and a state adopting differing water quality standards on common bodies of water.	Interim final rule effective 4/11/89. <u>Final rule 11/91.</u>
*140-077	NPDES - State Listing Requirements, Section 303(d) (Water Quality Planning and Management) 40 CFR 122 40 CFR 123 40 CFR 130	NPRM 54 FR 1300 1/12/89 Final rule 54 FR 23868 6/2/89 Regulatory Agenda 56 FR 54044 10/21/91	EPA amends the NPDES surface water toxics control program by incorporating Sect. 308(a) of the WQA into it and repromulgates and supplements the interpretive final rule of 1/4/89 (54 FR 246) dealing with NPDES permit regulations. EPA will promulgate a supplemental final rule to require states to submit to EPA the list of water-quality limited waters required under Sect. 303(d) every two years using the State Biennial Water Quality Report as the reporting vehicle.	Final rule effective 9/26/89. <u>Supplemental final rule 1/92.</u>

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REGULATORY UPDATE TABLE - OCTOBER 1991

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*140-084	NPDES Permit Application - Standard Form A, Short Form A 40 CFR 122.21(j)	Planned NPRM 56 FR 54042 10/21/91	EPA will revise the current NPDES Permit Application Standard Form A (municipal), and Short Form A (municipal) to reflect amendments to the Clean Water Act and changes in program requirements and emphasis.	NPRM 1/92. Final rule 1/93.
*140-085	NPDES Permit Application Requirements for Storm Water Discharges 40 CFR 122	NPRM 56 FR 12101 3/21/91	EPA proposes to extend until 5/18/92 the deadline for submission of individual industrial storm water applications and to set a fixed deadline of 5/18/92 for submission of individual applications from rejected members of storm water group applications.	Final rule 3/92.
		NPRM; Notice 56 FR 40948 8/16/91 Regulatory Agenda 56 FR 54044 10/21/91	EPA proposes: (1) a national NPDES permitting strategy and monitoring/reporting requirements for storm water discharges associated with industrial activity, (2) modifications to the requirements for obtaining a general permit, and (3) draft general permits covering storm water discharges associated with industrial activity in certain states.	Final rule undetermined.
*140-089	Biological Test Procedures for the Analysis of Pollutants 40 CFR 136	NPRM 54 FR 50216 12/4/89	EPA proposes to amend 40 CFR 136 by adding new biological measurements and test procedures for the analysis of pollutants under the CWA 304(h) and by updating other procedures. Methods would be added to measure toxicity in effluents and receiving waters, to measure mutagenicity, to monitor viruses in wastewaters and sludges, and to update citations to microbiological methods.	<u>Final rule 12/91.</u>

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*140-092	Oil Pollution Prevention 40 CFR 112	NPRM - Phase I 56 FR 54612 10/22/91	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>Comments by 12/23/91.</u> Final rule 6/92.
		Planned NPRM - Phase II 56 FR 54091 10/21/91	The Oil Pollution Act of 1990 was passed requiring facility-specific contingency plans. As Phase II of this rule, EPA will implement the legislative mandate for facility response plans.	Phase II NPRM 2/92. <u>Final rule 10/92.</u>
*140-095	Effluent Guidelines and Standards - Organic Chemicals, Plastics, and Synthetic Fibers Category 40 CFR 300.440 40 CFR 414	NPRM 55 FR 42332 10/18/90 Regulatory Agenda 56 FR 54040 10/21/91	EPA proposes to allow regulatory authorities to: (1) establish cyanide limitations and standards based on best professional judgement for elevated levels of non-amenable cyanide resulting from the complexing of cyanide at the process source of cyanide-bearing waste streams and (2) establish metals limitations and standards to accommodate low background levels of metals in non-"metal-bearing waste streams." EPA also proposes amendments to Appendices A and B to correct listing errors and an amendment to specify the method for determining BOD5 and TSS effluent limitations.	Final rule 2/92.
*140-103	NPDES and Sludge Management State Programs - Indian Tribes 40 CFR 122-124 40 CFR 501	Planned NPRM 56 FR 54041 10/21/91	EPA will propose 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>NPRM 1/92.</u>

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*140-104	Treatment of Indian Tribes as States for Purposes of Section 404 40 CFR 230 40 CFR 233	NPRM 54 FR 49180 11/29/89 Regulatory Agenda 56 FR 54045 10/21/91	EPA proposes a rule that would: (1) establish requirements for determining eligibility of Indian Tribes to be treated as states for purposes of Sect. 404 of the CWA, and (2) if found eligible, allow for assumption of the dredge and fill permit program.	<u>Final rule 2/92.</u>
*140-108	Shore Protection Act Section 4103(B) Regulations 40 CFR undetermined	Planned NPRM 56 FR 54043 10/21/91	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.	<u>NPRM 10/92. Final rule 10/93.</u>
*140-109	Effluent Guidelines and Standards for the Waste Treatment Category 40 CFR Subchapter M	Planned NPRM 56 FR 54040 10/21/91	EPA is developing regulations that will cover centralized waste treatment (CWT) facilities that generally treat aqueous and liquid hazardous and non-hazardous waste as Phase I of this regulation. Phase II will regulate hazardous waste incinerators and landfill leachate discharges. EPA plans on collecting Phase II screening information in conjunction with the Phase I technical study.	<u>Phase I NPRM 4/94. Final rule 1/96.</u>
*140-110	Secondary Treatment Requirements for Municipal Discharge into Marine Waters 40 CFR 125	NPRM 56 FR 2814 1/24/91 Regulatory Agenda 56 FR 54044 10/21/91	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.	<u>Final rule 4/92.</u>

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*140-111	CWA Section 404 Program Definition 40 CFR 232.2(q)	Planned NPRM 56 FR 54042 10/21/91	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.	<u>NPRM 7/93. Final rule 7/94.</u>
140-114	Bioconcentratable Contaminants	NOA 56 FR 13150 3/29/91	EPA announces the availability of the draft guidance document entitled "Assessment and Control of Bioconcentratable Contaminants in Surface Waters" to provide guidance to state and federal regulators on assessing and, where necessary, controlling the release of pollutants which, due to their chemical properties, accumulate in tissues of aquatic organisms.	Final guidance document 4/92.
*140-115	Nationwide Permit Program 33 CFR 330	NPRM 56 FR 14598 4/10/91	The Corps of Engineers proposes to amend its nationwide permit program regulations and to issue 13 new nationwide permits, reissue the existing nationwide permits, and add new conditions to all of the nationwide permits.	<u>Final rule 11/91.</u>
		NPRM 56 FR 48136 9/24/91 Final rule 56 FR 51837 10/16/91	The Corps of Engineers amends its nationwide permit program regulations to clarify the expiration date of the nationwide permits.	<u>Effective 11/12/91.</u>
140-116	Test Procedures for the Analysis of Pollutants - Test Methods Using CFCs 40 CFR 136 40 CFR 260 40 CFR 261	NPRM 56 FR 30519 7/3/91	EPA proposes analytic methods under the CWA and RCRA to allow the use of alternative solvents instead of CFCs in these methods.	Final rule undetermined.

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
CLEAN AIR ACT				
RCRA Air Emission Standards for Volatile Organics at TSD Facilities -- RU# 840-142				
*120-005	NAAQS - Sulfur Oxides 40 CFR 50 40 CFR 51 40 CFR 58	ANPRM 44 FR 56730 10/2/79 NPRM 53 FR 14926 4/26/88 Notice 53 FR 29346 8/4/88 Clarification notice 53 FR 36587 9/21/88 Regulatory Agenda 56 FR 54084 10/21/91	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 ₂ , and certain monitoring and reporting requirements. EPA incorporates additional material into the dockets for the proposed revisions to the Ambient Air Quality Surveillance requirements.	Final rule action indefinite. Rule under discussion at upper levels.
*120-006	NAAQS - Ozone and Photochemical Oxidants 40 CFR 50.9	First revisions 49 FR 29845 7/24/84 NOA 50 FR 52556 12/24/85 NOA 53 FR 48308 11/30/88 Planned review of criteria document 56 FR 54070 10/21/91	EPA announces the availability of the second external review draft of Volumes I and V of the Criteria Document. The Clean Air Scientific Advisory Committee reviewed the revised document and an EPA staff paper in January 1986. The Criteria Document may be used as a basis for review and revision of the NAAQS. EPA is assessing health and welfare information which has become available since the last revision of the standard. In order to retain a unified regulatory review package in light of the emerging data base on health and welfare effects associated with longer-term averaging times, EPA is continuing the standard review until such information is published and reviewed in an addendum to the criteria document. Two draft documents are available.	Complete review of criteria document on hold.

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*120-008	Stack Height Regulation 40 CFR 51.100	Planned NPRM 56 FR 54077 10/21/91	EPA plans to revise the stack height regulation in accordance with a 1/22/88 U.S. Court of Appeals decision which remanded two grandfathering provisions which allow dispersion credit, including credit for certain stack height increases.	<u>NPRM undetermined;</u> <u>no schedule as yet.</u>
*120-010	Guideline on Air Quality Models 40 CFR 51 40 CFR 52	NPRM 56 FR 5900 2/13/91 Regulatory Agenda 56 FR 54085 10/21/91	EPA proposes to add several new modeling techniques and to make revisions to the air quality models for estimating ambient air concentrations referenced under the PSD regulations of the CAA.	Final rule 9/92.
*120-055	NESHAPs - Chromium Industrial Cooling Towers 40 CFR 61	NOI to list 50 FR 24317 6/10/85 Planned NPRM 56 FR 54073 10/21/91	Chromium compounds are listed as hazardous air pollutants in the CAA Amendments of 1990. Industrial process cooling towers that use chromate-based water treatment programs have been identified as potentially significant sources of chromium air emissions and as a source category for which NESHAPs are warranted.	NPRM 10/92. Final rule 11/93.

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*120-065	Stratospheric Ozone Protection 40 CFR 82	ANPRM - Motor vehicle air conditioners 55 FR 18256 5/1/90 NPRM 56 FR 43842 9/4/91	Under Sect. 609 of the CAA, EPA proposes requirements for servicing of motor vehicle air conditioners and restrictions on the sale of Class I and II substances under 20 pounds.	<u>Final rule 12/91.</u>
		Section 114 information request 55 FR 49116 11/26/90 Temporary final rule 56 FR 9518 3/6/91 Correction 56 FR 18034 3/13/91 Correction 56 FR 30873 7/8/91 Correction 56 FR 46041 9/9/91 NPRM - Phase-out 56 FR 49548 9/30/91 Correction 56 FR 50693 10/8/91	EPA proposes amended regulations implementing the 1992 and later requirements of Sect. 604 in a manner consistent with the United States' obligations under the Montreal Protocol with the goal of eventual phase-out of CFCs.	Interim final rule remains in effect for calendar year 1991. <u>Final rule 1/92.</u>
		ANPRM - Recycling 56 FR 18256 5/1/90 Planned NPRM 56 FR 54065 10/21/91	Under Sect. 608, EPA will propose establishing standards and requirements regarding the use and disposal of Class I substances during the service, repair, or disposal of appliances and industrial process refrigeration that maximizes recapture and recycling.	<u>NPRM 11/91. Final rule 7/92.</u>

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120-075	Source Surveillance of Visible Emissions 40 CFR 52	NPRM 51 FR 31076 8/29/86	EPA proposes new visible emission test procedures to evaluate opacity standards compliance when a SIP lacks an appropriate method or when the Administrator enacts a state plan.	Reproposed NPRM 1/92.
*120-083	NAAQS - Nitrogen Dioxide 40 CFR 50.11	Planned review of criteria document 56 FR 54065 10/21/91	EPA will not expedite the review schedule for the primary and secondary NO ₂ NAAQS, but will proceed on the normal review cycle to produce a revised criteria document. Completed research does not justify a separate short-term primary standard.	Complete review of criteria document and staff paper 6/92.
*120-084	NAAQS - Carbon Monoxide 40 CFR 50.8 40 CFR 82	Call for Information 52 FR 27580 7/22/87 NOA 55 FR 14858 4/19/90 Regulatory Agenda 56 FR 54065 10/21/91	EPA will review ongoing studies on health effects of carbon monoxide and make a decision for or against a change in the NAAQS.	<u>Final criteria document 12/91.</u>
*120-093	NESHAPs - Hazardous Organics 40 CFR 63	Planned NPRM 56 FR 54073 10/21/91	This regulation will control emissions of hazardous organic chemicals from storage tanks, process vents, equipment leaks, transfer operations, and wastewater treatment in synthetic organic chemical manufacturing plants.	<u>NPRM 3/92. Final rule 11/92.</u>
120-094	Health Assessment Document - Acetaldehyde	NOA draft 52 FR 19918 5/28/87	EPA issues the first external review draft of the health assessment document for acetaldehyde. The document will be used in the decision process for possible regulation of acetaldehyde under the CAA.	Final document 4/92.

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*120-103	NESHAPs - Organic Solvent Cleaning 40 CFR 63	Planned NPRM 56 FR 54074 10/21/91	This regulation will apply to organic 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 9/92. Final rule 9/93.</u>
*120-107	State Implementation Plans for Ozone Nonattainment Areas 40 CFR 52	Notice 56 FR 54554 10/22/91	EPA gives notice that certain listed states have failed to submit an implementation plan or plan element as required under the CAA and have failed to submit corrections to their VOC regulations for specific ozone nonattainment.	<u>Comments by 11/21/91.</u>
120-113	Methods for Measurement of Condensable Particulate Emissions 40 CFR 51	NPRM 55 FR 41546 10/12/90	EPA proposes to add a CAA method for states (SIPs) to measure condensable particulate matter (CPM) emissions from stationary sources.	Final rule 11/91.
*120-116	NSPS - Municipal Landfills 40 CFR 60	NPRM 56 FR 24468 5/30/91 Regulatory Agenda 56 FR 54084 10/21/91	EPA proposes to add subpart WWW to 40 CFR 60 for control of new sources and proposes emission guidelines and compliance schedules for existing sources under subpart C. Subpart WWW 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.	Final rule 7/92.

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*120-118	NESHAPs - Radionuclides 40 CFR 61	NPRM 54 FR 9612 3/7/89 Final rule; reconsideration 54 FR 51654 12/15/89	EPA sets NESHAPs for radionuclide emissions from several source categories including DOE facilities, NRC licensees, uranium fuel cycle facilities, elemental phosphorus plants, coal-fired boilers, high-level nuclear waste disposal facilities, phosphogypsum stacks, underground and surface uranium mines, and uranium mill tailings operations.	Final rule of 12/15/89 effective immediately.
		NPRM 55 FR 13482 4/10/90 Notice of reconsideration; compliance waiver 55 FR 13480 4/10/90 Stay extended 56 FR 23519 5/22/91	EPA announces a limited reconsideration of Subpart R concerning radon emissions from phosphogypsum stacks that requires disposal of phosphogypsum in stacks or mines. EPA proposes to maintain or modify the rule to, alternatively or in combination, (1) make no change to Subpart R, (2) establish a threshold concentration level of radium, (3) allow the use of discrete quantities of phosphogypsum for R&D processes to remove radium from phosphogypsum, or (4) allow other alternative use of phosphogypsum. EPA also grants a limited compliance waiver that permits the continued agricultural use of phosphogypsum through the current growing season.	<u>Final rule 1/92.</u>
		NPRM 56 FR 6339 2/15/91 Final rule 56 FR 18735 4/24/91	EPA stays until 11/15/92, or until an earlier date on which a determination can be made, the effectiveness of Subpart I of 40 CFR 61, the NESHAPs for radionuclide emissions as applied to NRC-licensed facilities other than nuclear power reactors.	Final rule effective 4/15/91. Subpart I stayed until 11/15/92.
		ANPRM 56 FR 10524 3/13/91	EPA proposes to rescind Subpart I as it applies to nuclear power reactors.	<u>Final rule 2/92.</u>
		NPRM 56 FR 37196 8/5/91		
		NPRM 56 FR 10523 3/13/91 Final rule 56 FR 37158 8/5/91	EPA stays the effectiveness of Subpart I as applied to nuclear power reactors until the rulemaking concerning rescission of Subpart I for nuclear power reactors has been concluded.	Effective 7/26/91.
		NPRM 56 FR 55432 10/25/91	EPA proposes to stay the effectiveness of Subpart I as applied to owners/operators of uranium mill tailings disposal sites licensed by NRC. The proposal does not concern sites under DOE control.	<u>Comments by 11/25/91.</u>

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*120-148	NAAQS - Lead 40 CFR 50.12	Planned NPRM 56 FR 54070 10/21/91	EPA is assessing new health effects information that has become available regarding lead and will make a decision for or against a change in the NAAQS. EPA has prepared a staff paper which has been reviewed and approved by the Clean Air Act Scientific Advisory Committee (CASAC).	<u>NPRM 5/92.</u>
*120-149	NESHAPs - Asbestos (Comprehensive Revisions) 40 CFR 61 40 CFR 63	Planned NPRM 56 FR 54072 10/21/91	EPA is considering revising the asbestos NESHAP to require maximum achievable control technology standards. A screening study is underway and a new schedule will be developed when the study is complete.	<u>NPRM on hold; no schedule as yet.</u>
120-155	VOC Equipment Leak Fugitive Emissions 40 CFR Ch. 1	Notice 54 FR 37725 9/12/89 Notice 55 FR 14349 4/17/90 Notice 55 FR 27680 7/5/90 Notice 56 FR 9315 3/6/91	EPA issues a notice summarizing major provisions and language of the negotiated rule, agreed to by the negotiating committee, to control VOC fugitive emissions from equipment leaks.	NPRM 12/91. Final rule 12/92.
*120-158	NSPS - Medical Waste Incineration 40 CFR 60	Planned NPRM 56 FR 54071 10/21/91	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.	<u>NPRM 8/92.</u> Final rule 9/93.

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*120-166	List of Source Categories for Hazardous Air Pollutants 40 CFR 63	NOA 56 FR 28548 6/21/91 Regulatory Agenda 56 FR 54084 10/21/91	EPA issues a preliminary draft of the list of source categories of hazardous air pollutants required by Sect. 112(c) of the Clean Air Act.	Final list of categories 11/91; final regulatory schedule 11/92.
*120-167	Compliance Extensions for Early Reduction of Hazardous Air Pollutants 40 CFR 63	NPRM 56 FR 27338 6/13/91 NOA 56 FR 42305 8/27/91 Regulatory Agenda 56 FR 54085 10/21/91	EPA proposes to implement provisions in Sect. 112(i)(5) of the Clean Air Act to allow an existing source to obtain a six-year extension of compliance with an emission standard if the source has achieved an emission reduction of 90 percent or more of hazardous air pollutants by certain dates specified in the Act.	<u>Final rule 12/91.</u>
*120-168	List of Hazardous Air Pollutants - Petitions for Addition/Deletion 40 CFR 63	Planned NPRM 56 FR 54074 10/21/91	Under Sect. 112(b) of the CAA Amendments of 1990, petitions may be submitted to EPA to add to or delete hazardous air pollutants from the initial list of 189 hazardous air pollutants. This notice will describe the data set that must be provided in submitting an adequate petition.	<u>Interim guidance document issuance date undetermined; still at OMB.</u>
*120-170	Requirements for the Enhanced Monitoring of Ozone and Its Precursors 40 CFR 58	Planned NPRM 56 FR 54066 10/21/91	EPA will propose a rule for the enhanced monitoring of ozone, nitrogen oxides, and VOCs in areas designated as nonattainment for ozone. The rule will address location, minimum number of monitors per area, and sampling frequency for each class of pollutant.	<u>NPRM 12/91. Final rule 5/92.</u>

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*120-171	Prevention of Significant Deterioration (PSD) and New Source Review (NSR) 40 CFR 51 40 CFR 52	Planned NPRM 56 FR 54066 10/21/91	EPA will propose to amend EPA's existing new source review regulations, including prevention of significant deterioration, to conform with the new requirements of the CAA Amendments of 1990.	NPRM 4/92. May be split into separate PSD and NSR rules.
*120-172	Operating Permit Program 40 CFR 70 40 CFR 71	NPRM 56 FR 21712 5/10/91 Regulatory Agenda 56 FR 54081 10/21/91	Under the CAA Amendments of 1990, EPA proposes a new 40 CFR part 70 to require states to develop and implement renewable operating programs for issuing permits to major stationary sources, sources covered by NSPS and NESHAPs, and sources covered under the acid rain program.	<u>Final rule 12/91.</u>
*120-173	Enhanced Monitoring and Compliance Certification Regulations 40 CFR 70-71	NOA 56 FR 37700 8/8/91 Planned NPRM 56 FR 54067 10/21/91	Regulations will be developed to provide guidance on the appropriate monitoring methods, recordkeeping and reporting requirements, and periodic compliance certification requirements for permits issued under Title V.	<u>NPRM 2/92. Final rule 11/92.</u>
*120-175	Clean Fuel Fleet Programs 40 CFR 88	NPRM 56 FR 50196 10/3/91 Comment period extended 56 FR 52013 10/17/91	EPA proposes to incorporate clean fuel fleet vehicle credit programs, emission standards, and certain federal fleet requirements into state implementation plans.	<u>Comments by 12/2/91. Final rule 4/92. Vehicle conversion regulations - NPRM 1/92. Final rule 11/92.</u>
*120-176	General Provisions for Major and Area Sources of Air Toxics 40 CFR 63	Planned NPRM 56 FR 54074 10/21/91	General provisions are being developed for 40 CFR 63 which will include standards for 189 hazardous air pollutants to be regulated under Sect. 112 of the CAA Amendments of 1990.	NPRM 11/91. Final rule 11/92.

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*120-177	Identification of Lesser Quantity Cutoffs for Major Sources Under Sect. 112 40 CFR 63	Planned NPRM 56 FR 54075 10/21/91	A regulation is under consideration to address the definition of "major source" in Sect. 112, defined as a source that emits 10 tons or more per year of a listed hazardous pollutant or 25 tons per year or more of a mixture of pollutants. This regulation would list pollutants for which a lesser quantity has been developed and the criteria for doing so.	<u>NPRM 4/92.</u>
*120-178	Standards for Tank Vessel Loading Operations CFR undetermined	Planned NPRM 56 FR 54076 10/21/91	This regulation will control VOC emissions from tank vessel loading operations, as required by Sect. 183 of the CAA Amendments of 1990. Approximately 60,000 megagrams of VOCs are emitted annually from tank vessel loading operations.	<u>NPRM 4/92.</u> Final rule 11/92.
*120-179	General Preamble - Requirements for Approval of SIP Submittals	Notice of draft document 56 FR 27257 6/13/91 Correction 56 FR 28959 6/25/91 Regulatory Agenda 56 FR 54081 10/21/91	EPA announces the availability of a staff working draft of the General Preamble for Title I of the Clean Air Act Amendments of 1990. The General Preamble is a compilation of requirements for SIP submittals and will form a universal discussion for all upcoming SIP approval actions.	Final document 12/91.
*120-180	Designation and Classification of Nonattainment Areas 40 CFR 81	Planned final rule 56 FR 54080 10/21/91	Title I requires that areas be designated attainment/unclassifiable or nonattainment and classify areas for ozone, carbon monoxide and PM-10. This action revises 40 CFR 81 by adding classifications of nonattainment areas and new nonattainment areas, and formulates the designations, classifications, and boundaries for all pollutants. It will also cover additional nonattainment designations for lead.	<u>Final rule 11/91.</u>

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*120-181	Guidance for Implementation of Sect. 112(g) - Modifications 40 CFR 63	Planned guidance 56 FR 54075 10/21/91	Guidance is being developed in accordance with the requirements of Sect. 112(g) of the CAA Amendments of 1990 that will set de minimus levels for the 189 listed hazardous air pollutants and establish relative toxicity ranking for determinations of offsets.	<u>Proposed guidance document 3/92.</u> <u>final document 2/93.</u>
*120-182	Control Techniques Guidelines CFR undetermined	Planned guidance document 56 FR 54086 10/21/91	The CAA Amendments of 1990 require EPA to issue control techniques guidelines (CTGs) for these eleven source categories within three years of enactment: chemical manufacturing distillation operations and reactor processes, wood furniture and plastic parts manufacturing, offset lithography, industrial wastewater treatment, automobile refinishing, volatile organic liquid storage tanks, use of clean-up solvents at industrial plants, and chemical manufacturing batch processes.	Final guidance document 11/93.
*120-183	List of Substances and Threshold Quantities 40 CFR 63	Planned NPRM 56 FR 54089 10/21/91	EPA must promulgate an initial list of 100 substances that, in the event of accidental release, are known to cause or be anticipated to cause serious adverse human health or environmental effects. EPA must establish a threshold quantity for each substance listed. EPA is as yet undecided about whether to promulgate under the CAA or CERCLA/SARA.	<u>NPRM 2/92.</u> Final rule 11/92.
*120-184	Prevention of Accidental Releases from Stationary Sources and Risk Management Plan 40 CFR 63	Planned NPRM 56 FR 54089 10/21/91	EPA must promulgate regulations and guidance to provide for the prevention and detection of accidental releases from stationary sources. The regulations must require stationary sources to implement a risk management plan for detection and prevention of accidental releases where a regulated substance is present in quantities greater than a threshold amount.	<u>NPRM 1/92.</u> Final rule 11/93.

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*120-186	Clarification of Best Available Control Technology Definition 40 CFR 51 40 CFR 52	Planned NPRM 56 FR 54070 10/21/91	To improve the effectiveness of the prevention of significant air quality deterioration program required by Title I of the CAA, EPA will propose to clarify the regulatory definition of best available control technology (BACT) by adding language that clarifies the legal requirements for a BACT analysis.	<u>NPRM 1/92. Final rule 1/93.</u>
*120-187	Radionuclide Major Source Definition 40 CFR 63	Planned NPRM 56 FR 54075 10/21/91	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 2/92.</u>
NUCLEAR WASTE POLICY ACT				
*700-022	HLW Disposal in Geologic Repositories - EPA and NRC Conforming Amendments 10 CFR 60	NPRM 51 FR 22288 6/19/86 Regulatory Agenda 56 FR 54381 10/21/91	NRC proposes to conform its regulations for disposal of high-level radioactive wastes in geologic repositories to EPA standards of September 19, 1985, as mandated by the NWPA.	On hold until 12/91, pending action on RU# 700-074.
*700-069	Radiation Dose Criteria for Accidents at HLW Geologic Repositories (Repository Operations Criteria) 10 CFR 60	Notice of receipt 55 FR 28771 7/13/90 Correction 55 FR 32639 8/10/90 Planned NPRM 56 FR 54387 10/21/91	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 undetermined; decision on action 11/91.

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700-074	Definition of Term - High-Level Radioactive Waste 10 CFR 60	Petition for rulemaking 55 FR 51732 12/17/90	The states of Washington and Oregon request that NRC revise the definition of "high-level radioactive waste" so as to establish a framework and standards by which to determine whether reprocessing waste, e.g., certain waste stored at DOE's Hanford site, is high-level radioactive waste.	Rulemaking decision by 12/91.
LOW-LEVEL RADIOACTIVE WASTE (LLW) POLICY AMENDMENTS ACT				
*740-003	Environmental Protection Standards for LLW Disposal 40 CFR 193 40 CFR 764	ANPRM 48 FR 39563 8/31/83 Planned NPRM 56 FR 54045 10/21/91	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 12/91. Final rule 12/92.
*740-004	LLW Below Regulatory Concern 10 CFR 2 10 CFR 20	ANPRM 51 FR 43367 12/2/86 Policy statement 55 FR 27522 7/3/90 Deferral of action 56 FR 21631 5/10/91 Deferral of action; initiation of consensus process 56 FR 36068 7/30/91 Regulatory Agenda 56 FR 54382 10/21/91	NRC may amend its regulations to address radioactive waste disposal when low radionuclide quantities do not merit regulation as radioactive material. A generic rulemaking is favored over current petitions for exemption of specific wastestreams. NRC issues its policy statement on exemptions from regulatory control for small quantities of radioactive material. The statement defines the dose criteria and other considerations that will be used by NRC in making exemption decisions. Individual dose criteria of 1 and 10 mrem per year and a collective dose criterion are established. NRC declares a moratorium on the implementation of its 7/3/90 below regulatory concern (BRC) policy statement and is initiating a consensus process to provide advice to the Commission on the full range of issues related to the BRC policy.	Policy statement effective 7/3/90. NPRM on hold indefinitely until consensus-building process is completed.

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*740-013	Incineration of Low-Level Radioactively Contaminated Waste Oil from Nuclear Power Plants 10 CFR 20	NPRM 53 FR 32914 8/29/88 Request for clarification 53 FR 48721 12/2/88 Regulatory Agenda 56 FR 54381 10/21/91	NRC proposes to amend its regulations to permit the onsite incineration of slightly contaminated waste oils generated at licensed nuclear power plants. EPA requests of NRC clarification of two issues: (1) the responsibility of NRC's licensees complying with the approval requirements of the Clean Air Act, and (2) the potential need for licensees obtaining state or federal hazardous waste permits.	Final rule on hold indefinitely until consensus-building process is completed.
740-019	Unregulated Disposal of Small Amounts of Radioactive Isotopes 10 CFR 20	Petition for rulemaking 53 FR 41342 10/21/88 Correction 53 FR 44014 11/1/88	Rockefeller University requests that NRC amend its regulations under which a licensee may dispose of animal tissue containing small amounts of radioactivity without regard to its radioactivity. The petition requests that the list of radioactive isotopes for which unregulated disposal is permitted be expanded to include sulfur-35, calcium-45, chromium-51, iodine-125, and iodine-131 in concentrations less than 0.001 microcurie/gm.	Petition resolution placed on hold indefinitely pending action on RU# 740-004.
*740-021	Low-Level Waste Manifest Information and Reporting 10 CFR 20 10 CFR 61	Planned NPRM 56 FR 54385 10/21/91	NRC will propose to: (1) improve information contained in manifests accompanying shipments of waste to LLW disposal facilities; (2) develop a uniform manifest for national use; (3) require that operators of these disposal facilities store portions of this manifest information in onsite computer recordkeeping systems; and (4) require that operators periodically submit, in an electronic format, reports of shipment manifest information.	NPRM 1/92. Final rule 1/93.
ATOMIC ENERGY ACT				
Transportation Regulations - Compatibility with IAEA -- RU# 400-093				
100-016	Protection Requirements for Spent Fuel Shipments	NPRM 49 FR 23867 6/8/84	The rule modifies the present interim requirements for protection of shipments of irradiated reactor fuel cooled for 150 days or more. Present interim requirements will remain for fuel cooled less than 150 days.	Final rule postponed indefinitely.

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*100-018	Residual Radioactive Materials Cleanup - Radiation Protection Criteria 40 CFR 194	ANPRM 51 FR 22264 6/18/86 Planned NPRM 56 FR 54046 10/21/91	EPA is developing public health and environmental radiation protection criteria for cleanup of residual radioactivity at decommissioned sites. Licensees of the NRC or Agreement States; sites owned or used by DOE, DOD, the former AEC, and the former Manhattan Engineering District; and sites where natural and accelerator-produced radioactive materials have been used would be affected.	On hold; no action planned at this time.
*100-020	Definition of Safety Related and Important to Safety 10 CFR 50	Planned NPRM 56 FR 54398 10/21/91	NRC proposes to clarify its regulations on the use of the terms "important to safety" and "safety related" by adding definitions of these two terms and of "facility licensing documents" to 10 CFR 50 and by discussing how these definitions will be applied in licensing reviews.	<u>Withdrawn 6/24/91.</u>
*100-021	Exposure Limits for Transuranics	NPRM 42 FR 60956 11/30/77 Regulatory Agenda 56 FR 54046 10/21/91	EPA proposes interim guidance to federal agencies to limit radiation doses to the general population from transuranic elements present in the environment.	On hold; no action planned at this time.
*100-033	Explanation to Table S-3, Uranium Fuel Cycle Environmental Data 10 CFR 51	NPRM 46 FR 15154 3/4/81 Regulatory Agenda 56 FR 54379 10/21/91	NRC proposes a narrative explanation of the numerical values of Table S-3, "Table of Uranium Fuel Cycle Environmental Data," which appears in the NRC environmental protection regulations. Values for radon-222 and technetium-99 will be added.	Next action undetermined.
*100-039	Residual Radioactivity Criteria for Unrestricted Release of Lands and Structures 10 CFR 20	NOA 55 FR 6137 2/21/90 Planned NPRM 56 FR 54388 10/21/91	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.	Interim criteria to be issued 4/92. NPRM 2/93. Final rule 2/94.

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*100-053	Criteria for Extraordinary Nuclear Occurrence 10 CFR 140	NPRM 50 FR 13978 4/9/85 Regulatory Agenda 56 FR 54380 10/21/91	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 10/92.
100-111	Agreement State Radiation Control Programs	Policy statement 52 FR 21132 6/4/87 Proposed policy revision 55 FR 10851 3/23/90	NRC proposes to revise its general statement of policy, "Guidelines for NRC Review of Agreement State Radiation Control Programs," to incorporate changes to the regulation of LLW disposal in permanent facilities.	Final revision by 2/92.
*100-129	Environmental Standards for the Management and Disposal of Spent Nuclear Fuel, HLW, and TRU Radioactive Wastes 40 CFR 191	Planned NPRM 56 FR 54045 10/21/91	EPA will promulgate generally applicable environmental standards for the management and disposal of spent nuclear fuel, high-level and transuranic radioactive wastes to establish limits for the release of radioactive materials to the environment.	<u>NPRM 5/92. Final rule 6/93.</u>
*100-131	Integrated Schedules for Implementation of Plant Modifications 10 CFR 50	Proposed policy statement 52 FR 45344 11/27/87	NRC issues a proposed policy statement that describes the policy the Commission intends to use to promote voluntary licensee integrated schedules for implementing regulatory requirements and other improvements in nuclear power plants.	<u>Final policy statement 1/92.</u>

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*100-157	Transportation Regulations - Compatibility with IAEA 10 CFR 71	NPRM 53 FR 21550 6/8/88 Corrections 53 FR 23484 6/22/88 Regulatory Agenda 56 FR 54382 10/21/91	NRC proposes to revise its regulations for transportation of radioactive material to make them compatible with those of the IAEA. The basic standards for packaging will remain unchanged, and the transport of low-specific-activity radioactive material is considered. NRC also proposes to include the criteria for approval of packages for air transport of plutonium in 10 CFR 71 (see comparable DOT regulation RU# 400-093).	Final rule 5/92.
*100-174	Nuclear Plant License Renewal 10 CFR 2 10 CFR 50 10 CFR 54	ANPRM 53 FR 32919 8/29/88 ANPRM 54 FR 41980 10/13/89 NOA 55 FR 29122 7/17/90 NPRM 55 FR 29043 7/17/90 Regulatory Agenda 56 FR 54395 10/21/91	NRC proposes to establish the requirements that an applicant for renewal of a nuclear power plant operating license must meet, the information that must be submitted to the NRC for review so NRC can determine whether those requirements have in fact been met, and the application procedures.	Final rule 1/92.
*100-179	Fitness-For-Duty Programs for Category I Fuel Facilities and Shipments 10 CFR 26	Planned NPRM 56 FR 54389 10/21/91	NRC will propose to amend the Commission's fitness-for-duty regulations to include Category I fuel facilities and Category I shipments.	NPRM 1/92. <u>Final rule 10/92.</u>

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*100-187	Licenses and Radiation Safety Requirements for Large Irradiators 10 CFR 36	NPRM 55 FR 50008 12/4/90 Regulatory Agenda 56 FR 54394 10/21/91	NRC proposes to establish a new part 36 to specify radiation safety requirements and licensing requirements for the use of licensed radioactive materials in large irradiators.	<u>Final rule 3/92.</u>
*100-210	Cooperation With States at Commercial Nuclear Power Plants and Other Nuclear Production or Utilization Facilities 10 CFR 50	Final policy statement 54 FR 7530 2/22/89	NRC issues a policy statement on NRC/state cooperation in relation to nuclear power plants and other nuclear production or utilization facilities.	Effective 2/22/89.
		Proposed amendment 56 FR 41968 8/26/91	NRC proposes to revise and amend its policy on cooperation with states at commercial nuclear power plants and other production or utilization facilities to allow state representatives to observe NRC inspections at licensed facilities in adjacent states.	<u>Final amendment undetermined.</u>
*100-214	Nuclear Power Plant Structures, Systems, and Components 10 CFR 50	ANPRM 54 FR 9229 3/6/89 Planned NPRM 56 FR 54384 10/21/91	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, may be withdrawn.
100-216	Guidance on Management Controls/ Quality Assurance, Requirements For Operation, Chemical Safety, and Fire Protection for Fuel Cycle Facilities	Proposed guidance 54 FR 11590 3/21/89	NRC proposes four branch technical positions on management controls/quality assurance, requirements for operation, chemical safety, and fire protection for fuel cycle facilities.	Separate guidance documents will be issued for each of the four categories. Fire protection draft document 4/92. Final document 10/92.

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*100-222	Code and Standards for Nuclear Power Plants 10 CFR 50	Planned NPRM 56 FR 54383 10/21/91	NRC will incorporate by reference Subsection IWE, "Requirements for Class MC Components of Light-Water Cooled Power Plants," and Subsection IWL, "Requirements for Class CC Concrete Components of Light-Water Cooled Power Plants," of Sect. XI of the ASME Code.	NPRM 12/91.
*100-224	Primary Reactor Containment Leakage Testing for Water-Cooled Reactors 10 CFR 50	NPRM 51 FR 39538 10/29/86 Regulatory Agenda 56 FR 54393 10/21/91	NRC propose to update and revise the 1973 criteria for preoperational and periodic pressure testing for leakage of primary containment boundaries of water-cooled power reactors in order to eliminate inconsistencies and obsolete requirements.	Final rule 1/92.
*100-234	Physical Protection Requirements - Minor Amendments 10 CFR 70 10 CFR 72 10 CFR 73 10 CFR 75	NPRM 54 FR 33570 8/15/89 Notice 55 FR 7960 3/6/90 Regulatory Agenda 56 FR 54384 10/21/91	NRC proposes to amend its regulations that cover the physical protection of special nuclear materials to correct editorial errors and clarify wording and definitions.	<u>Final rule 2/92.</u>
*100-249	Requirements for Possession of Industrial Devices 10 CFR 31 10 CFR 32	Planned NPRM 56 FR 54385 10/21/91	NRC will propose 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, and so would assure that devices are not improperly transferred or inadvertently discarded.	NPRM 11/91. Final rule 11/92.

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*100-252	Import and Export of Radioactive Waste 10 CFR 110	ANPRM 55 FR 4181 2/7/90 Planned NPRM 56 FR 54385 10/21/91	NRC will propose to regulate the import and export of radioactive wastes, in particular low-level wastes, in order to more properly control the international transfer of these wastes.	<u>NPRM 12/91.</u>
*100-256	U-AVLIS Uranium Enrichment - Permits for Access to Restricted Data 10 CFR 725	NPRM 55 FR 15237 4/23/90 Regulatory Agenda 56 FR 53248 10/21/91	DOE proposes to amend the regulations concerning permits for access to uranium isotope separation restricted data by updating category C-24 to include the U-AVLIS technology and requiring private sector permit applicants to pay \$100,000 for an access permit. The purpose of the amendments is to encourage private sector participation in the government's uranium enrichment program.	Final rule 10/92.
*100-258	Emergency Preparedness Regulations 10 CFR 50	Planned NPRM 56 FR 54386 10/21/91	NRC will propose to clarify the linkage between need for "reasonable assurance that adequate protective measures can and will be taken in the event of a radiological emergency" indicated in Sect. 50.47(a) and 16 planning standards outlined in Sect. 50.47(b). In addition, this rule will clarify the term "range of protective" actions and the issues of monitoring of evacuees, actions for recovery and reentry, notification of the public, evacuation time estimates, and exercise frequency.	NPRM 9/92. Final rule 5/93.
		NOA 56 FR 12734 3/27/91 Planned NPRM 56 FR 54386 10/21/91	NRC will propose a rule to amend regulations concerning those portions of emergency plans that cannot be exercised prior to issuance of a Part 52 combined license. This will be accomplished on a "high priority basis."	NPRM sent to Commission 4/90; awaiting their action on it.

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*100-265	Nuclear Plant License Renewal - Environmental Effects 10 CFR 51	ANPRM 55 FR 29964 7/23/90 NOI 55 FR 29967 7/23/90 NPRM 56 FR 47016 9/17/91 NOA 56 FR 47500 9/19/91 Regulatory Agenda 56 FR 54392 10/21/91	MRC 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.	Comments by 12/16/91. Final rule 6/92.
#100-275	Import and Export of Nuclear Equipment and Material 10 CFR 110	Notice 55 FR 53596 12/31/90 Planned NPRM 56 FR 54388 10/21/91	MRC will propose amendments to: (1) permit the expedited import and export of certain nuclear material where no significant proliferation risks are involved, (2) streamline the procedures for public participation in NRC's licensing process, (3) delete from the lists of restricted destinations those countries that signed the Non-Proliferation Treaty, (4) add Namibia to the general license allowing import of their uranium, and (5) make other minor changes. MRC will also propose that the export of heavy water to Canada and low-enriched uranium to EURATOM and to Japan for enrichment will no longer require license application review by the Executive Branch.	NPRM placed on hold.
#100-276	Timeliness in Decommissioning of Material Facilities 10 CFR 30 10 CFR 40 10 CFR 70 10 CFR 72	Planned NPRM 56 FR 54390 10/21/91	MRC will propose to require decontamination and decommissioning of material facilities within a fixed period of time after cessation of operations.	NPRM undetermined; no schedule for action as yet.

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*100-277	Challenges to Orders That Are Made Immediately Effective 10 CFR 2	NPRM 55 FR 27645 7/5/90 Regulatory Agenda 56 FR 54396 10/21/91	NRC proposes to require that challenges to the merits of an immediately effective order be heard expeditiously, except where good cause exists for delay.	Final rule undetermined.
*100-278	Material Control and Accounting Requirements for Uranium Enrichment Plants 10 CFR 2 10 CFR 40 10 CFR 70 10 CFR 74	NPRM 55 FR 51726 12/17/90 NOA 56 FR 7884 2/26/91 Final rule 56 FR 55991 10/31/91	NRC establishes performance-based material control and accounting requirements for special nuclear material of low strategic significance at uranium enrichment plants, including requirements to detect and prevent enrichment above a specified maximum.	<u>Effective 12/2/91.</u>
*100-279	Code and Standards for Nuclear Power Plants - ASME Code Addenda 10 CFR 50	NPRM 56 FR 3796 1/31/91 Regulatory Agenda 56 FR 54395 10/21/91	NRC proposes to incorporate by reference the 1986, 1987, and 1988 Addenda, and the 1989 edition of Section III, Division 1, and Section XI, Division 1, with a specified modification, of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code (ASME Code). NRC also proposes to impose augmented examination of reactor vessel shell welds.	Final rule 12/91.
*100-283	Regulatory Guides	NOA 56 FR 50598 10/7/91 NOA 56 FR 52078 10/17/91	NRC announces the availability of a draft report, NUREG-1022, Revision 1, "Event Reporting Systems- 10 CFR 50.72 and 50.73: Clarification of NRC Systems and Guidelines for Reporting." NRC announces the availability of a draft of proposed Revision 1 to Regulatory Guide 8.25, "Air Sampling in the Workplace" to provide guidance on air sampling in restricted areas of the workplace.	<u>Comments by 12/6/91.</u> <u>Comments by 12/27/91.</u>

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*100-284	Radiation Protection of the Public and Environment 10 CFR 834	Planned NPRM 56 FR 53246 10/21/91	DOE will propose 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.	<u>NPRM 11/91.</u>
*100-287	Uranium Enrichment Regulations 10 CFR 2 10 CFR 40 10 CFR 50-51 10 CFR 70 10 CFR 75 10 CFR 110 10 CFR 140 10 CFR 150 10 CFR 170	NPRM 56 FR 46739 9/16/91	NRC proposes to amend its regulations concerning the licensing of uranium enrichment facilities to reflect changes to the Atomic Energy Act. Uranium enrichment facilities would be licensed subject to provisions of the Act pertaining to source material and special nuclear materials rather than under provisions pertaining to a production facility.	Comments by 12/2/91. <u>Final rule</u> 5/92.
*100-288	Decommissioning Recordkeeping and License Termination - Documentation 10 CFR 30 10 CFR 40 10 CFR 70 10 CFR 72	NPRM 56 FR 50524 10/7/91	NRC proposes to require licensees to prepare and maintain additional documentation for the purpose of ensuring proper decontamination and decommissioning procedures.	Comments by <u>12/23/91.</u>
*100-289	Radiation Protection for Occupational Workers 10 CFR 835	Planned NPRM 56 FR 53246 10/21/91	DOE will propose radiation protection requirements for the occupational workers for DOE and DOE contractor operations. Major elements of the regulation will include increased emphasis on ALARA for the protection of workers and requirements for a written Radiation Protection Program.	<u>NPRM 11/91.</u>

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URANIUM MILL TAILINGS RADIATION CONTROL ACT				
*930-029	Groundwater Protection Standards for Inactive Uranium Tailing Sites 40 CFR 192	NPRM 52 FR 36000 9/24/87 Regulatory Agenda 56 FR 54046 10/21/91	EPA proposes standards for preventing groundwater contamination at inactive uranium processing sites. The rule will replace the groundwater provisions of the final rule of 1/5/83 for remedial action.	<u>Final rule 1/92.</u>
*930-034	Uranium Mill Tailing Sites - Remedial Action Program and Annotation of Land Records 10 CFR 764	NPRM 54 FR 29732 7/14/89 Regulatory Agenda 56 FR 53248 10/21/91	DOE proposes to clarify the obligation of certain states to annotate local land records so as to ensure that future purchasers of remediated properties will be notified of the extent of the remedial work.	<u>Final rule 1/92.</u>
TOXIC SUBSTANCES CONTROL ACT				
Containerized Liquids in Landfills -- RU# 840-024				
*920-053	Negotiated Consent - Procedural Test Rules 40 CFR 790	Planned NPRM 56 FR 54029 10/21/91	EPA plans to propose appropriate procedural changes to reduce the resources required for consent order negotiation.	NPRM 7/92.
*920-064	Comprehensive Assessment Information Rule 40 CFR 704	Planned NPRM 56 FR 54034 10/21/91	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 12/91.

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920-070	Test Guidelines 40 CFR 796 40 CFR 797	NPRM 52 FR 36334 9/28/87	EPA proposes to add new test guidelines of general procedures for laboratory testing for an effect or characteristic deemed important for evaluating the fate and environmental hazard of a chemical substance or mixture (test substance).	Final rule 12/91.
*920-076	Termination of PCBs Disposal Approvals 40 CFR 761	NPRM 55 FR 46470 11/2/90 Regulatory Agenda 56 FR 54036 10/21/91	EPA proposes a rule establishing criteria and procedures for the suspension and revocation of PCB storage and disposal approvals.	<u>Final rule 1/92.</u>
*920-113	SARA Section 110 Chemicals Generic Test Rule 40 CFR 799	Planned NPRM 56 FR 54030 10/21/91	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 4/92.
*920-119	PCBs - Wet Weight, Dry Weight Clarification 40 CFR 761	NPRM 55 FR 12866 4/6/90 Regulatory Agenda 56 FR 54036 10/21/91	EPA proposes to amend the PCB regulations final rule of 7/10/84 (49 FR 28171) by adding the phrase "on a dry weight basis" to Sect. 761.1(b).	<u>Final rule and clarification 11/91.</u>
*920-123	Drinking Water Chemicals Proposed Test Rule 40 CFR 795 40 CFR 799	NPRM 55 FR 21393 5/24/90 Regulatory Agenda 55 FR 54034 10/21/91	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. This proposed rule supports EPA's effort to develop Health Advisories for unregulated drinking water contaminants monitored under the SDWA.	Final rule 9/92.

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*920-124	Reduction of Lead Consumption and Use 40 CFR 721 40 CFR 750	ANPRM 56 FR 22096 5/13/91 Planned NPRM 56 FR 54032 10/21/91	EPA initiates a regulatory investigation to determine the most cost-beneficial way to reduce human exposure to lead. The investigation will explore use of TSCA Sect. 6 to determine if uses of lead present unreasonable risks.	<u>NPRM 5/92.</u>
*920-125	PCBs Disposal Amendments 40 CFR 761	ANPRM 56 FR 26738 6/10/91 NOA 56 FR 26745 6/10/91 Planned NPRM 56 FR 54033 10/21/91	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.	<u>NPRM 5/92.</u>
920-126	Recycling of Lead Acid Batteries 40 CFR Chapter I	Notice 55 FR 52884 12/24/90 Notice 56 FR 2885 1/25/91 Notice 56 FR 7825 2/26/91 Notice 56 FR 42572 8/28/91	EPA gives notice of the final meeting of the advisory committee to negotiate a rule to recycle lead acid batteries. The purpose of the meeting is to discuss recent data generated by EPA and to further determine whether the committee should continue work towards reaching a consensus on a rule to promote recycling of lead acid batteries.	Rulemaking initiative has been dropped. Formal notification of this action is to be published in Federal Register 12/91.
*920-127	Environmental Hazard Communication Rule CFR undetermined	Planned NPRM 56 FR 54033 10/21/91	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>NPRM 12/92.</u>

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*920-129	TSCA Section 4(a)(1)(B) Policy 40 CFR 799	Proposed policy statement 56 FR 32294 7/15/91 Regulatory Agenda 56 FR 54035 10/21/91	EPA proposes standards and criteria it intends to use in interpreting its legal authority to make findings under TSCA Sect. 4(a)(1)(B)(i) for determining substantial production, release to the environment in substantial quantities, and substantial or significant human exposure.	<u>Final policy statement 6/92.</u>
920-130	Metabolism and Pharmacokinetic Test Guideline 40 CFR 798	NPRM 56 FR 32537 7/17/91	EPA proposes to establish a test guideline for generating metabolism and pharmacokinetic data. This joint guideline would harmonize the pharmacokinetics testing guidelines of the Office of Toxic Substances and the Office of Pesticide Programs and assist EPA in developing health effects test data standards for testing chemicals under TSCA and FIFRA.	Final rule undetermined.
*920-132	PCB Transformer Reclassification Rule 40 CFR 761	Planned NPRM 56 FR 54033 10/21/91	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 4/92.</u>

HAZARDOUS MATERIALS TRANSPORTATION ACT

Transportation Regulations - Compatibility with IAEA -- RU# 100-157

400-014	Railroad Shipment of Hazardous Material - Use of Cargo Tanks	ANPRM 50 FR 18278 4/30/85 Notice extending existing approvals 56 FR 8388 2/28/91	The Federal Railroad Administration and the RSPA are considering development of safety standards to permit the use of cargo tanks, portable tanks, IM portable tanks, and multi-unit tank car tanks in trailers on flatcar and containers-on-flatcar service.	Extension of existing approvals effective 3/1/91. NPRM on hold indefinitely pending results of research.
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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*400-039	Pipeline Operator Qualifications 49 CFR 192 49 CFR 195	ANPRM 52 FR 9189 3/23/87 Planned NPRM 56 FR 53758 10/21/91	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 1/92.
*400-040	Transportation of Hazardous Materials - Miscellaneous Amendments 49 CFR 171-178	NPRM 56 FR 37505 8/7/91 Regulatory Agenda 56 FR 53760 10/21/91	RSPA proposes several amendments to update and simplify the Hazardous Materials Regulations.	Final rule undetermined.
*400-044	Hazardous Materials - Intrastate Commerce 49 CFR 171-179	ANPRM 52 FR 24195 6/29/87 Planned NPRM 56 FR 53758 10/21/91	DOT is considering extending the application of its hazardous material regulation to all intrastate transportation of hazardous materials in commerce.	<u>NPRM 1/92.</u>
*400-057	Railroad Shipment of Hazardous Waste - Defects of Tank Car Tanks 49 CFR 173	ANPRM 52 FR 46510 12/8/87 Planned NPRM 56 FR 53760 10/21/91	This would clarify existing inspection requirements for tank car tanks; add new inspection requirements for thermal protection on tank car tanks; permit the use of new inspection techniques for tank cars transporting low vapor pressure commodities in lieu of periodic hydrostatic retests; and establish minimum in-service tank thickness requirements.	<u>NPRM 3/92. Final rule 3/93.</u>
*400-061	Highway Routing Standards for Hazardous Materials 49 CFR 173.177 49 CFR 397	ANPRM 53 FR 11618 4/7/88 Planned NPRM 56 FR 53710 10/21/91	RSPA is considering establishing routing criteria, requirements, and methodologies for analyzing alternative routes for highway transport of non-radioactive hazardous materials.	<u>NPRM 12/91.</u>

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*400-062	Registration of Shippers and Carriers of Hazardous Materials 49 CFR 171 49 CFR 173 49 CFR 177	NPRM 56 FR 51294 10/10/91	RSPA proposes to establish a national registration program for certain shippers and carriers of hazardous materials and certain hazardous materials package manufacturers. RSPA also proposes to assess and collect an annual fee to fund a nationwide emergency response training and planning grant program.	<u>Comments by 12/9/91.</u>
*400-063	Hazardous Liquid Pipeline Excavation Damage-Prevention Program 49 CFR 192 49 CFR 195	NPRM 53 FR 24747 6/30/88 Regulatory Agenda 56 FR 53765 10/21/91	OPS, RSPA, and DOT propose to require operators of buried onshore hazardous liquid pipelines to conduct excavation damage prevention programs in accordance with criteria adopted previously for gas pipeline damage prevention programs.	Final rule 11/91.
*400-064	Maps and Records of Pipeline Location and Characteristics - State Notification 49 CFR 192 49 CFR 195	Planned NPRM 56 FR 53759 10/21/91	As part of a continuing policy to adopt similar safety requirements for gas and hazardous liquid pipelines, this action will propose to equalize the requirements that gas and liquid operators keep maps and records to show the location and other characteristics of pipelines and will require them to provide this information to state agencies upon request.	NPRM 1/92. Final rule 1/93.
*400-073	Implementation of the ICAO's Technical Instructions 49 CFR 171 49 CFR 172 49 CFR 175	NPRM 55 FR 46839 11/7/90 Regulatory Agenda 56 FR 53768 10/21/91	RSPA proposes to amend its regulations in order to permit the offering, acceptance, and transportation by aircraft of hazardous materials shipments conforming to the most recent ICAO technical instructions.	Final rule 11/91.

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*400-079	Packaging and Hazard Communication of Etiologic Agents 49 CFR 172 49 CFR 173	NPRM 53 FR 45525 11/10/88 Final rule 56 FR 197 1/3/91 Response to petition; effective date extended 56 FR 49830 10/1/91	RSPA amends the hazardous materials transport regulations to revise the definition of "etiologic agent" and remove the 50 ml exemption in 49 CFR 173.386.	Final rule effective 9/30/91. <u>Hazard communication and classification requirements effective 10/1/92.</u>
*400-080	Marine Transport of Bulk Solid Hazardous Materials 46 CFR 148	ANPRM 54 FR 18308 4/28/89 Notice 55 FR 11481 3/28/90 Regulatory Agenda 56 FR 53651 10/21/91	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 11/91.</u>
*400-093	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 56 FR 17740 10/21/91	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).	<u>Final rule 1/92.</u>

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*400-094	Special Cargo Requirements for Benzene 46 CFR 151 46 CFR 153	NPRM 55 FR 2978 1/29/90 Final rule 56 FR 52122 10/17/91	The Coast Guard revises the special cargo requirements for benzene and its mixtures by adding new regulations concerning occupational exposure to benzene vapor on vessels inspected by the Coast Guard. The regulations are amended to incorporate the lower benzene exposure levels adopted by OSHA to provide workers in the marine mode with the same protection as their land-based counterparts.	<u>Effective 1/15/92.</u>
*400-095	Elevated Temperature Materials 49 CFR 171 49 CFR 172 49 CFR 173	NPRM 54 FR 38930 9/21/89 Final rule 56 FR 49980 10/2/91	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.	<u>Effective 3/30/92.</u> <u>Compliance with regulations authorized as of 10/30/91.</u>
*400-097	Transportation of Hydrogen Sulfide by Pipeline 49 CFR 192	ANPRM 54 FR 24361 6/7/89 NPRM 56 FR 11490 3/18/91 Regulatory Agenda 56 FR 53768 10/21/91	RSPA proposes to: (1) prohibit operators from transporting in a transmission line downstream of gas processing plants, sulfur recovery plants, or storage fields, natural gas containing more than a designated amount of H ₂ S; (2) require that the release of a designated excess of H ₂ S be reported to DOT; and (3) require that onshore/offshore gathering lines carrying a designated excess of H ₂ S have a contingency plan in place in case of a release of the gas.	Final rule 3/92.
*400-099	Gas Pipelines Corrosion 49 CFR 192	NPRM 54 FR 27041 6/27/89 Regulatory Agenda 56 FR 53767 10/21/91	RSPA proposes to require gas pipeline operators who must now inspect for corrosion on buried metallic pipe that is exposed to investigate further to determine the full extent of any corrosion that is found.	Final rule 3/92.

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*400-102	Training for Hazardous Materials Transportation 49 CFR 172 49 CFR 174-177	NPRM 54 FR 31144 7/26/89 Regulatory Agenda 56 FR 53764 10/21/91	RSPA proposes to amend the Hazardous Materials Regulations (HMR) to require that persons involved with the transportation of hazardous materials receive detailed training, and persons who work in proximity to hazardous materials receive training concerning hazardous materials awareness and safety procedures.	Final rule 1/92.
*400-110	Hydrostatic Pressure Testing of Hazardous Liquid Pipelines 49 CFR 195	NPRM 56 FR 23538 5/22/91 Regulatory Agenda 56 FR 53764 10/21/91	RSPA proposes to extend hydrostatic testing or the alternative reduction in maximum operating pressure to all hazardous liquid steel pipelines where maximum operating pressure has not been established in accordance with the requirements of 49 CFR 195.	Final rule 7/92.
*400-112	Operation and Maintenance Procedures for Pipelines 49 CFR 192 49 CFR 195	NPRM 54 FR 46685 11/6/89 Regulatory Agenda 56 FR 53765 10/21/91	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.	Final rule 1/92.
*400-113	Gas Pipeline Operating Above 72 Percent of Specified Minimum Yield Strength 49 CFR 192	ANPRM 54 FR 50780 12/11/89 Correction 54 FR 51816 12/18/89 Planned NPRM 56 FR 53760 10/21/91	A grandfather clause allows certain steel gas pipelines to operate at hoop stress levels above 72 percent of the specified minimum yield strength (SYMS) of the pipe - the highest operating hoop stress permitted on steel pipe in all other regulated gas pipelines. The Office of Pipeline Safety is concerned about this possible disparity in protection and invites public comments to determine an appropriate course of action.	NPRM 12/91.

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*400-118	Specifications for Tank Car Tanks 49 CFR 173	ANPRM 55 FR 20242 5/15/90 Supplemental ANPRM 55 FR 35327 8/29/90 Planned NPRM 56 FR 53762 10/21/91	RSPA considers amendments to improve the level of safety of tank car tanks through operational changes, design modifications, and retrofitting requirements. In a supplement to its 5/15/90 ANPRM, RSPA considers four further amendments to its tank car tank specifications.	<u>NPRM 6/92.</u>
*400-120	Hazardous Liquid Pipelines Operating at 20 Percent or Less of Specified Minimum Yield Strength 49 CFR 195	ANPRM 55 FR 45822 10/31/90 Planned NPRM 56 FR 53762 10/21/91	RSPA solicits comments and information to use in determining whether and to what extent 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.	NPRM 12/91.
*400-121	Excess Flow Valve Installation on Service Lines 49 CFR 192	ANPRM 55 FR 52188 12/20/90 Planned NPRM 56 FR 53762 10/21/91	The Office of Pipeline Safety seeks public participation in determining whether operators should be required to install 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.	NPRM 12/91.
*400-123	Hazardous Materials Program Procedures - Preemptions 49 CFR 107	NPRM 56 FR 36992 8/1/91 Regulatory Agenda 56 FR 53769 10/21/91	RSPA proposes to define the new preemption standard in Sect. 105 of HMTA for state, political subdivision, or Indian tribe requirements concerning the transportation of hazardous materials.	Final rule undetermined.
*400-124	Tank Car Air Brake Equipment Support Attachments 49 CFR 173	Final rule 56 FR 50664 10/8/91	The FRA revises the HMR to prohibit the transportation of hazardous materials in tank cars with air brake equipment support attachments welded directly to the shell.	<u>Effective immediately.</u>

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
OCCUPATIONAL SAFETY AND HEALTH ACT				
*780-006	Occupational Exposure to Formaldehyde 29 CFR 1910	NPRM 50 FR 50412 12/10/85 Final rule 52 FR 46168 12/4/87 Notice of partial approval 53 FR 6628 3/2/88 Corrections 53 FR 27923 7/25/88 Administrative stay 53 FR 50198 12/13/88 Corrections; technical amendments 54 FR 29545 7/13/89 Correction 54 FR 31765 8/1/89 NPRM 56 FR 32302 7/15/91 Administrative stay extended 56 FR 37650 8/8/91 Regulatory Agenda 56 FR 53602 10/21/91	OSHA proposes to amend its existing regulation for occupational exposure to formaldehyde in response primarily to a remand by the U.S. Court of Appeals. The proposed amendments would lower the permissible exposure level for formaldehyde from the existing level of 1 ppm as an 8-hour time-weighted average to 0.75 ppm. OSHA also proposes to add medical removal protection provisions to supplement the existing medical surveillance requirements for those employees suffering significant eye, nose, throat, or dermal irritation. In addition, certain changes are proposed to the standard's hazard communication and employee training requirements. These amendments would establish specific hazard labeling requirements for solid materials capable of off-gassing formaldehyde between 0.1 and 0.5 ppm and those off-gassing above 0.5 ppm under reasonably foreseeable conditions of use.	Effective date for hazard communication provisions 12/20/88. Amendments effective 7/13/89. Administrative stay of hazard communication requirements effective until 11/6/91. <u>Final rule 11/91.</u>

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*780-009	Occupational Exposure to Methylene Chloride 29 CFR 1910	ANPRM 51 FR 42257 11/24/86 Planned NPRM 56 FR 53594 10/21/91	OSHA intends to develop a permanent standard for occupational exposure to methylene chloride.	NPRM 1/92. Final rule 11/92.
*780-011	Respiratory Protection 29 CFR 1910.134 29 CFR 1915.152 29 CFR 1918.102 29 CFR 1926.103	ANPRM 47 FR 20803 5/14/82 Planned NPRM 56 FR 53593 10/21/91	OSHA is reviewing current standards for respiratory protection and intends to propose revisions following analysis of the standards.	NPRM 1/92. Final rule 12/92.

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*780-015	Occupational Exposure to Asbestos, Tremolite, Anthophyllite, and Actinolite 29 CFR 1910 29 CFR 1926	Administrative stay and revisions 51 FR 37002 10/17/86 Administrative stay extended 52 FR 15722 4/30/87 Corrections 52 FR 17752 5/12/87 Partial stay extended and final rule amended 53 FR 27345 7/20/88 Partial stay extended; final rule amended 54 FR 30704 7/21/89 Supplemental NPRM 55 FR 4938 2/12/90 Partial stay extended; final rule amended 56 FR 43699 9/4/91 Regulatory Agenda 56 FR 53598 10/21/91	On 6/20/86 OSHA revised the standards governing occupational exposure to asbestos, tremolite, anthophyllite, and actinolite in general industry and in the construction industry. OSHA has since received many comments regarding the appropriateness of regulating nonasbestiform tremolite, anthophyllite, and actinolite as presenting the same health risk as asbestos. OSHA has granted administrative stays of the standards as they apply to nonasbestiform varieties to allow time for OSHA to reopen the rulemaking record on the issue of whether, and how, to regulate occupational exposure to the nonasbestiform varieties. OSHA proposes to lift the administrative stay, remove 29 CFR 1910.1101, and amend the revised asbestos standards to remove non-asbestiform tremolite, anthophyllite, and actinolite from their scope.	Asbestos forms made effective 7/21/86. Administrative stay for other forms extended to 2/28/92. Final rule 2/92.

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*780-020	Construction Standards - Safety Standards for Scaffolds 29 CFR 1926	NPRM 51 FR 42680 11/25/86 Regulatory Agenda 56 FR 53599 10/21/91	OSHA proposes to revise the construction industry safety standards for scaffolds to regulate the design, construction, and use of all scaffolds in construction.	Final rule 11/92.
*780-021	Construction Industry - Safety Standards for Fall Protection 29 CFR 1926	NPRM 52 FR 42718 11/25/86 Regulatory Agenda 56 FR 53598 10/21/91	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.	<u>Final rule 4/92.</u>
*780-025	Occupational Exposure to 2-Methoxyethanol, 2-Ethoxyethanol and Their Acetates 29 CFR 1910.1000	ANPRM 52 FR 10586 4/2/87 Planned NPRM 56 FR 53594 10/21/91	OSHA plans to develop standards for occupational exposure to 2-methoxyethanol, 2-ethoxyethanol, and their acetates, all of which are compounds used as industrial solvents.	NPRM 1/92.
*780-026	Occupational Exposure to Methylenedianiline (MDA) 29 CFR 1910 29 CFR 1926	Proposed standards 52 FR 26776 7/16/87 NPRM 54 FR 20672 5/12/89 Regulatory Agenda 56 FR 53600 10/21/91	OSHA proposes an eight-hour time-weighted average (TWA) of 10 ppb and a short-term exposure limit (STEL) of 100 ppb for methylenedianiline. The regulation also includes requirements such as medical surveillance, exposure monitoring, hygiene facilities, engineering controls and work practices, proper respirator use, and recordkeeping.	Final rule 1/92.

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*780-028	Hazardous Materials - Process Hazards Management 29 CFR 1910	NPRM 55 FR 29150 7/17/90 NOA 56 FR 48133 9/24/91 Regulatory Agenda 56 FR 53604 10/21/91	OSHA proposes procedures for process safety management of hazards associated with processes using highly hazardous materials. These performance-oriented requirements would replace the specification-oriented requirements now in place. This is the first phase of a three-phase action.	<u>Final rule 2/92.</u>
*780-029	Occupational Exposure to Cadmium 29 CFR 1910	NPRM 55 FR 4052 2/6/90 Reopening of rulemaking 56 FR 47348 9/18/91 Regulatory Agenda 56 FR 53594 10/21/91	OSHA proposes two 8-hour time-weighted average permissible exposure limits (TWA PEL) of 5 and 1 micrograms of cadmium per cubic meter of air and a 15-minute excursion limit (EL) of five times the TWA PEL for all cadmium compounds, as well as a number of ancillary employee protection provisions dealing with monitoring, recordkeeping, hazard communication, and personal protective equipment.	Final rule 2/92.
*780-041	Generic Standard for Exposure Monitoring 29 CFR 1910	ANPRM 53 FR 37591 9/27/88 Planned NPRM 56 FR 53592 10/21/91	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 2/92.</u>
*780-042	Medical Surveillance Program for Employees 29 CFR 1910	ANPRM 53 FR 37595 9/27/88 Planned NPRM 56 FR 53591 10/21/91	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.	<u>NPRM 2/92.</u>

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*780-044	Asbestos Short-Term Exposure Limit 29 CFR 1910 29 CFR 1926	NPRM 55 FR 29712 7/20/90 Regulatory Agenda 56 FR 53604 10/21/91	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 5/92.</u>
*780-045	Hazardous Waste Training Course Certification 29 CFR 1910	NPRM 55 FR 2776 1/26/90 Regulatory Agenda 56 FR 53605 10/21/91	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.	<u>Final rule 6/92.</u>
*780-047	Electrical Protective Equipment; Generation, Transmission, Distribution 29 CFR 1910	NPRM 54 FR 4974 1/31/89 Regulatory Agenda 56 FR 53600 10/21/91	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 4/92.</u>

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*780-049	Occupational Exposure to Bloodborne Pathogens 29 CFR 1910	NPRM 54 FR 23042 5/30/89 Notice 54 FR 30330 7/19/89 Notice 54 FR 42378 10/16/89 NOA 55 FR 10250 3/20/90 Regulatory Agenda 56 FR 53603 10/21/91	OSHA proposes to reduce occupational exposure to Hepatitis B Virus (HBV), Human Immunodeficiency Virus (HIV) and other bloodborne pathogens by proposing a combination of engineering and work practice controls, personal protective clothing and equipment, training, medical follow-up of exposure incidents, and vaccination (where applicable). OSHA makes available a survey relating to the technological and economic feasibility of implementing the NPRM in non-hospital facilities, and notifies the public that the results of a similar survey on hospital facilities will be completed soon.	Final rule 12/91.
*780-051	Confined Spaces - Permits and Safety Requirements 29 CFR 1910.146	NPRM 54 FR 24080 6/5/89 Regulatory Agenda 56 FR 53599 10/21/91	OSHA proposes to establish safety requirements, including a permit system, for entry into those confined spaces which OSHA has identified as posing special dangers for entrants due to their configuration or other features.	Final rule 2/92.
*780-052	Methods of Compliance 29 CFR 1910	NPRM 54 FR 23991 6/5/89 Regulatory Agenda 56 FR 53598 10/21/91	OSHA proposes to modify the existing provisions for controlling employee exposures to toxic substances found in 29 CFR 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 3/92.

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*780-054	Personal Protective Equipment 29 CFR 1910	NPRM 54 FR 33832 8/16/89 Regulatory Agenda 56 FR 53601 10/21/91	OSHA proposes to revise portions of the general industry safety standards addressing personal protective equipment. The criteria for personal protective equipment for eye, face, head, and foot would be revised to reflect improved developments in these types of equipment.	<u>Final rule 1/92.</u>
*780-057	General Industry - Personal Fall Protective Equipment 29 CFR 1910	NPRM 55 FR 13423 4/10/90 Regulatory Agenda 56 FR 53599 10/21/91	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.	<u>Final rule 6/92.</u>
*780-058	General Industry Standards - Walking and Working Surfaces 29 CFR 1910	NPRM 55 FR 13360 4/10/90 Regulatory Agenda 56 FR 63603 10/21/91	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.	<u>Final rule 6/92.</u>
*780-059	Recording and Reporting Occupational Injuries and Illnesses 29 CFR 1904	Planned NPRM 56 FR 53595 10/21/91	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 12/91.</u>
*780-060	PEL (Z Table) Update 29 CFR 1910	Planned NPRM 56 FR 53605 10/21/91	OSHA plans to establish a program to revise the Z Table on a regular basis to establish permissible exposure limits (PELs) and to use substance-specific standards only in those cases where complex issues or the nature of the risk necessitate additional protection.	<u>NPRM 1993 after final PEL update is complete for construction, agriculture, and maritime industries.</u>

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
ENDANGERED SPECIES ACT				
*200-032	Endangered and Threatened Wildlife - Northern Spotted Owl 50 CFR 17	NPRM 56 FR 20816 5/6/91 Correction 56 FR 24239 5/29/91 Revised NPRM 56 FR 40002 8/13/91 Correction 56 FR 50701 10/8/91 Regulatory Agenda 56 FR 53452 10/21/91	The FWS revises its proposed designation for critical habitat for the northern spotted owl.	<u>Final rule 12/91.</u>
200-039	Endangered and Threatened Wildlife - Bald Eagle 50 CFR 17	ANPRM 55 FR 4209 2/7/90	The FWS will propose a regulation dealing with the possible delisting, downlisting, or reclassification of the bald eagle (<i>Haliaeetus leucocephalus</i>) from endangered to threatened.	NPRM 2/92.
*200-047	Endangered and Threatened Wildlife - Snake River Salmon	NPRM 56 FR 14055 4/5/91 Regulatory Agenda 56 FR 53171 10/21/91	The National Marine Fisheries Service proposes to list the Snake River sockeye salmon as an endangered species. The sockeye salmon production is currently limited to Redfish Lake in the Salmon River Basin in Idaho.	Final rule by 4/92.
200-048	Endangered and Threatened Plants - Utah Reed-mustard 50 CFR 17	NPRM 56 FR 14910 4/12/91	The FWS proposes to determine two Utah mustard plants, <i>Schoenocrambe argillacea</i> (clay reed-mustard) and <i>Schoenocrambe barnebyi</i> (Barneby reed-mustard) to be endangered species. The plants are located in Uinta and Emery Counties.	Final rule by 4/92.

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*200-049	Endangered and Threatened Wildlife - Marbled Murrelet 50 CFR 17	NPRM 56 FR 28362 6/20/91 Regulatory Agenda 56 FR 53461 10/21/91	The FWS proposes to determine the marbled murrelet (<u>Brachyramphus marmoratus</u>) a threatened species of bird in Washington, Oregon and California.	Final rule by 6/92.
200-050	Endangered and Threatened Species - Snake River Spring and Summer Chinook Salmon 50 CFR 227	NPRM 56 FR 29542 6/27/91	The National Marine Fisheries Service (NMFS) issues a proposed determination that the Snake River spring and summer chinook salmon (<u>Oncorhynchus tshawytscha</u>) is a "species" under the Endangered Species Act because of compelling evidence that they are reproductively isolated from Snake River fall chinook salmon and there is a high probability of substantial gene flow between the spring and summer chinook salmon forms. Further, NMFS proposes to list this spring/ summer chinook salmon as threatened under the ESA.	Final rule by 6/92.
200-051	Endangered and Threatened Species - Snake River Fall Chinook Salmon	NPRM 56 FR 29547 6/27/91	The National Marine Fisheries Service issued a proposed determination that the Snake River fall chinook salmon (<u>Oncorhynchus tshawytscha</u>) is a "species" under the Endangered Species Act and proposed to list it as threatened under the Act.	Final rule by 6/92.
MARINE PROTECTION, RESEARCH, AND SANCTUARIES ACT				
*460-001	Ocean Dumping of Dredged Material 40 CFR 225 40 CFR 227 40 CFR 228	NOA 56 FR 13826 4/4/91 Planned NPRM 56 FR 54042 10/21/91	EPA will propose revisions to regulations applicable to the ocean dumping of dredged material in response to a recent court decision and to incorporate program experience. The revisions will make necessary technical changes and will improve the clarity of the regulations.	<u>NPRM 11/92. Final rule 11/93.</u>

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
NATIONAL ENVIRONMENTAL POLICY ACT				
480-012	NEPA - Revised Implementing Procedures	Notice of proposed revised procedures 54 FR 47832 11/17/89	The BLM proposes revisions to its procedures for implementing NEPA which will delete a number of obsolete and potentially misleading references and will refine the agency's list of actions that are categorically excluded from preparation of an environmental document.	Final revisions 11/91.
*480-015	DOE Compliance With NEPA 10 CFR 1021 40 CFR 1500-1508	NPRM 55 FR 46444 11/2/90 Regulatory Agenda 56 FR 53247 10/21/91	DOE proposes to revise the rule on DOE compliance with NEPA to incorporate revised provisions of DOE's guidelines for implementing the procedural provisions of NEPA.	Final rule 12/91.
		Notice of proposed revocation 55 FR 47792 11/15/90	DOE proposes revocation of its National Environmental Policy Act Guidelines, as amended, as a technical, conforming change to take effect when new regulations codifying a modified version of the NEPA Guidelines take effect.	Final revocation 12/91.
480-017	DOE Integrated Environmental Restoration and Waste Management Program	NOI 55 FR 42633 10/22/90	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. A series of public scoping meetings will be held.	Draft PEIS early 1992. Final PEIS 1993.

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
ARCHEOLOGICAL RESOURCES PROTECTION ACT				
090-001	Protection of Archeological Resources - Uniform Rules 18 CFR 1312 32 CFR 229 36 CFR 296 43 CFR 7	NPRM 56 FR 46259 9/11/91	To implement changes required by the Archeological Resources Protection Act, an interagency group composed of DOI, DOD, TVA, and USDA proposes to amend regulations on the protection of archeological resources.	Comments by 12/10/91.
090-002	Curation of Federally Owned Archeological Collections 36 CFR 79	NPRM 55 FR 37670 9/12/90	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 undetermined; no schedule yet for action.
NATIONAL HISTORIC PRESERVATION ACT				
*540-005	National Register of Historic Places 36 CFR 60 36 CFR 63	NPRM 51 FR 28204 8/5/86 Regulatory Agenda 56 FR 53473 10/21/91	DOI proposes a rule to clarify the various administrative procedures for identification of historic and archeological properties for the National Register of Historic Places by consolidating and updating 36 CFR 60 and 63.	<u>Withdrawn 10/1/91.</u>
FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT				
*300-003	Guidelines on Disposal and Storage 40 CFR 165	Updating underway 50 FR 44656 10/29/85 Planned NPRM 56 FR 54025 10/21/91	The 1988 amendments to FIFRA significantly expand EPA authority to regulate the storage, transportation, and disposal of pesticides. The Agency may exercise this authority through labeling provisions, procedures for recall of canceled products, and other regulations for storage, transport, and disposal of pesticide residues.	To be published in three parts: Phase I NPRM 1/92, Phase II 1993, Phase III 1994.

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*300-004	Worker Protection Standards 40 CFR 156 40 CFR 170	ANPRM 49 FR 32605 8/15/84 NPRM 53 FR 25970 7/8/88 Corrections 53 FR 32322 8/24/88 Notice 56 FR 27485 6/14/91 Regulatory Agenda 56 FR 54027 10/21/91	EPA proposes to revise its regulations governing worker protection from agricultural pesticides. These revisions would expand the scope of the standards to include workers in forests, nurseries, and greenhouses, and workers who mix, load, and apply pesticides.	<u>Final rule 1/92.</u>
*300-007	Restricted Use Classification for Groundwater Contaminating Pesticides	Notice 55 FR 5861 2/20/90 NPRM 56 FR 22076 5/13/91 Regulatory Agenda 56 FR 54026 10/21/91	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.	<u>Final rule 7/92.</u>
*300-014	Experimental Use Permit Rule for Microbial Pesticides 40 CFR 172	Planned NPRM 56 FR 54024 10/21/91	EPA will propose 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 will also propose to require notification before initiation of small-scale testing of certain genetically modified microbial pesticides.	NPRM 2/92.

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*300-020	Enforcement Response Policy for Good Laboratory Practices	NOA 55 FR 30032 7/24/90 NOA 56 FR 54851 10/23/91	EPA announces the availability of the Enforcement Response Policy (ERP) for the FIFRA Good Laboratory Practices regulations. The policy is a supplement to the 7/24/90 ERP and sets forth procedures to be used to determine appropriate civil penalties and enforcement actions.	<u>Effective immediately.</u>
*300-021	Certification of Restricted Use Pesticide Applicator 40 CFR 171	NPRM 55 FR 46890 11/7/90 Notice 56 FR 12007 3/21/91 Regulatory Agenda 56 FR 54027 10/21/91	EPA proposes to revise the rules regarding the certification of applicators of restricted use pesticides to upgrade the provisions of certification programs.	<u>Final rule 6/92.</u>
FEDERAL MINE SAFETY AND HEALTH ACT				
*330-002	Metal and Nonmetal Mines - Radiation Standards 30 CFR 56 30 CFR 57	ANPRM 50 FR 47700 11/19/85 NPRM 51 FR 45678 12/19/86 Regulatory Agenda 56 FR 53590 10/21/91	The Mine Safety and Health Administration proposes to revise existing standards for ionizing radiation at underground metal and nonmetal mines. The rule will improve worker protection based on current developments in radiation protection principles.	<u>Withdrawn 8/17/91.</u>

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REGULATORY UPDATE TABLE - OCTOBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*330-004	Safety Standards for Explosives at Metal and Nonmetal Mines 30 CFR 56 30 CFR 57	NPRM 53 FR 45487 11/10/88 Final rule 56 FR 2070 1/18/91 Stay of final rule; reopening of rulemaking record 56 FR 14470 4/10/91 Partial administrative stay; effective date stayed 56 FR 46500 9/12/91 Corrections 56 FR 52193 10/18/91	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 10/1/92.
*330-005	Air Quality, Chemical Substances, and Respiratory Protection Standards 30 CFR 56-58 30 CFR 70-72 30 CFR 75 30 CFR 90	NPRM 54 FR 35760 8/29/89 Correction 55 FR 5118 2/13/90 Regulatory Agenda 56 FR 53588 10/21/91	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.	<u>Final rule 11/92.</u>

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*330-006	Hazard Communication 30 CFR 46 30 CFR 56 30 CFR 57 30 CFR 77	NPRM 55 FR 46400 11/2/90 Regulatory Agenda 56 FR 53588 10/21/91	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.	Final rule 1/92.
HISTORIC SITES ACT OF 1935				
#410-004	National Natural Landmarks - Designation of Geological and Ecological Natural Areas 36 CFR 62	ANPRM 55 FR 43384 10/29/90 Planned NPRM 56 FR 53470 10/21/91	The National Park Service intends 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>NPRM 1/92.</u>
BIOTECHNOLOGY				
*110-005	Microbial Products (Biotechnology) 40 CFR 704 40 CFR 720 40 CFR 721	Planned NPRM 56 FR 54031 10/21/91	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).	<u>NPRM 2/92, Final rule 2/93.</u>

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RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
PACIFIC NORTHWEST ELECTRIC POWER AND CONSERVATION				
*810-009	Power Plan Amendments - Columbia River Basin	Notice 56 FR 23947 5/24/91	The Pacific Northwest Electric Power and Conservation Planning Council invites recommendations to amend the resident fish and wildlife provisions of the Columbia River Basin Fish and Wildlife Program.	Final action by 9/15/92.
		Proposed amendments 56 FR 50400 10/4/91	The Pacific Northwest Electric Power and Conservation Planning Council announces proposed amendments to the salmon and steelhead provisions of the Columbia River Basin Fish and Wildlife Program.	<u>Final action by 8/9/92.</u>
COASTAL ZONE MANAGEMENT ACT				
*160-002	National Estuarine Reserve Research System 15 CFR 921	NPRM 53 FR 43816 10/28/88 Interim final rule 55 FR 29940 7/23/90 Regulatory Agenda 56 FR 53162 10/21/91	NOAA revises the process for designation of research reserves to place greater emphasis using the reserves to address research and management issues and to provide financial assistance to states to enhance public awareness and education about estuarine areas. The regulations provide new guidance for delineating reserve boundaries, new procedures for the acquisition of land, and criteria for withdrawing the designation of a reserve.	Interim final rule effective 7/23/90. <u>Reproposed NPRM 11/91. Final rule 2/92.</u>

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*160-003	Implementation of 1990 Reauthorization of Coastal Zone Management Act 15 CFR 928 15 CFR 932	NOA 56 FR 27618 6/14/91	EPA issues proposed guidance specifying management measures for the control of non-point sources causing coastal water pollution.	Final guidance 5/92.
		Correction 56 FR 28959 6/25/91		
		NOA 56 FR 51882 10/16/91	EPA and NOAA issue proposed guidance specifying procedures and criteria that will guide the Agencies' approval of state programs, to assist states in developing and obtaining approval for their coastal non-point pollution control programs.	<u>Comments by 12/16/91. Final guidance 5/92.</u>
		NPRM - Phase I 56 FR 52220 10/18/91	To implement the Coastal Zone Reauthorization Amendments of 1990, NOAA proposes phase I of a regulatory initiative to implement the new Coastal Zone Enhancement Grants Program, revised procedures for conducting reviews of performance under Sect. 312, and new authority for interim sanctions under Sect. 312. Phase II will include program approval requirements for the new coastal nonpoint pollution control programs.	<u>Comments by 12/2/91.</u>
OTHER				
805-023	Assessing Female Reproductive Risk	Proposed guidelines 53 FR 24834 6/30/88	EPA proposes guidelines for assessing the female reproductive risk of environmental pollutants. The guidelines are intended to guide Agency analysis of data on female reproductive toxicants according to appropriate scientific standards.	Final guidelines 1/92.
805-024	Assessing Male Reproductive Risk	Proposed guidelines 53 FR 24850 6/30/88	EPA proposes guidelines for assessing the male reproductive risk of environmental pollutants. The guidelines are intended to guide Agency analysis of data on male reproductive toxicants according to appropriate scientific standards.	Final guidelines 1/92.

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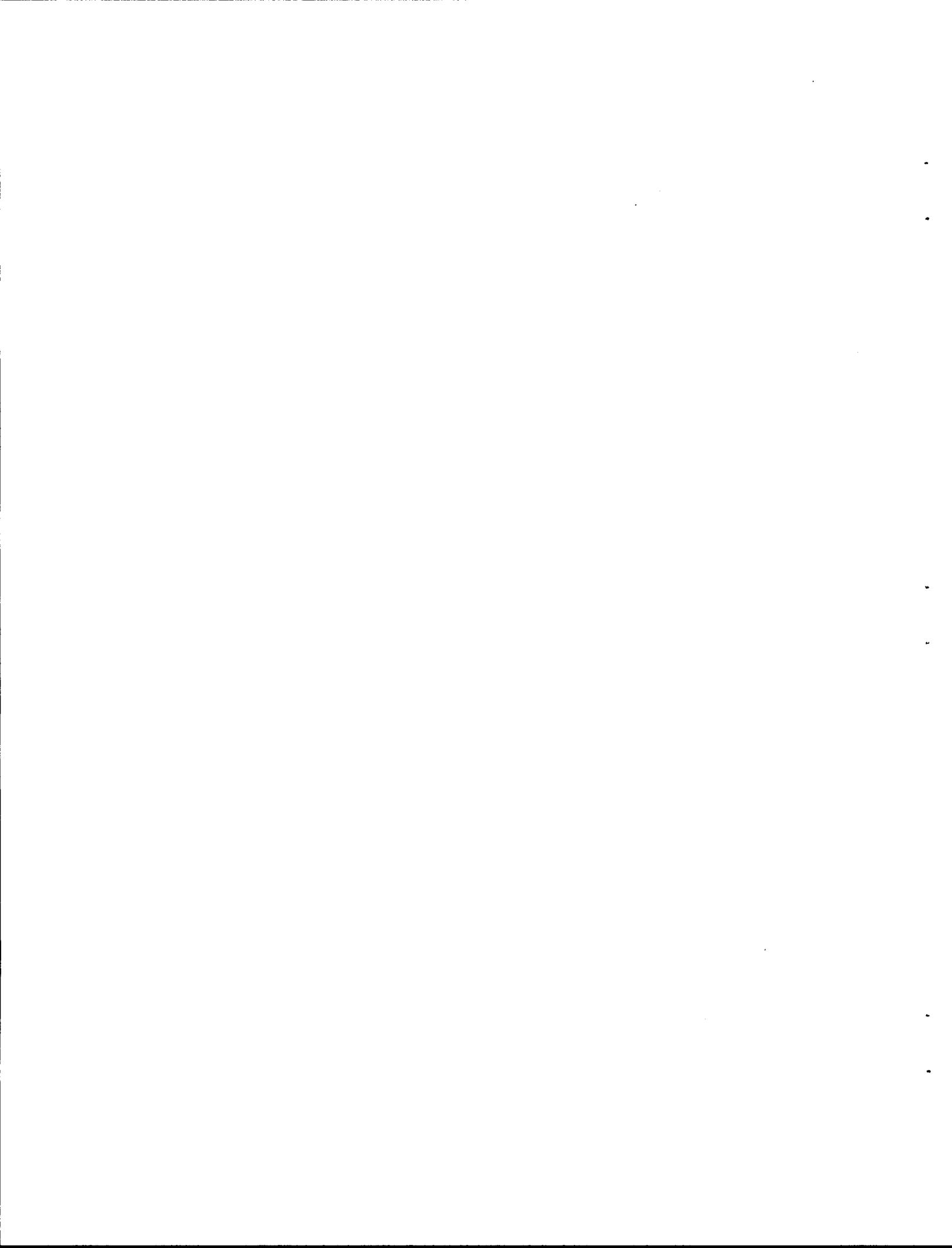
RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
805-028	Risk Assessment Guidelines for Exposure-Related Measurements	Proposed guidelines 53 FR 48830 12/2/88 Corrections 54 FR 4942 1/31/89	EPA proposes risk assessment guidelines for exposure-related measurements to assist those who must recommend, conduct, or evaluate an exposure assessment.	Final guidelines 1/92.
*805-037	Protection of Essential Resources and Facilities 44 CFR 335	NPRM 54 FR 32359 8/7/89 Regulatory Agenda 56 FR 54113 10/21/91	FEMA proposes to add a new Part 335 to 44 CFR which would cover federal agencies' responsibilities in assessing vulnerability and protecting essential resources and facilities, including those needed for defense.	<u>Final rule 12/91.</u>
*805-041	Task Force on Wetlands - No Net Loss Strategy	Notice 55 FR 30279 7/25/90 NOA 56 FR 8560 2/28/91	The Domestic Policy Council's Task Force on Wetlands requests comments on strategies for attaining "no net loss" of wetlands. DOE is represented on the Council.	<u>Action undetermined.</u> <u>Awaiting comments on draft revision of wetlands manual (see RU# 805-049).</u>
805-047	WAPA's Energy Planning and Management Program	Proposed Program 56 FR 16093 4/19/91	WAPA proposes to establish an Energy Planning and Management Program to replace its Guidelines and Acceptance Criteria for the Conservation Renewable Energy Program.	Final action undetermined.
*805-048	Security Skills Training and Qualifications Standards for Protective Force Personnel 10 CFR 1046	NPRM 56 FR 21631 5/10/91 Regulatory Agenda 56 FR 53243 10/21/91	DOE proposes new requirements for access authorizations and security skills training and qualification for DOE contractor personnel responsible for protection of DOE facilities.	Final rule 5/92.

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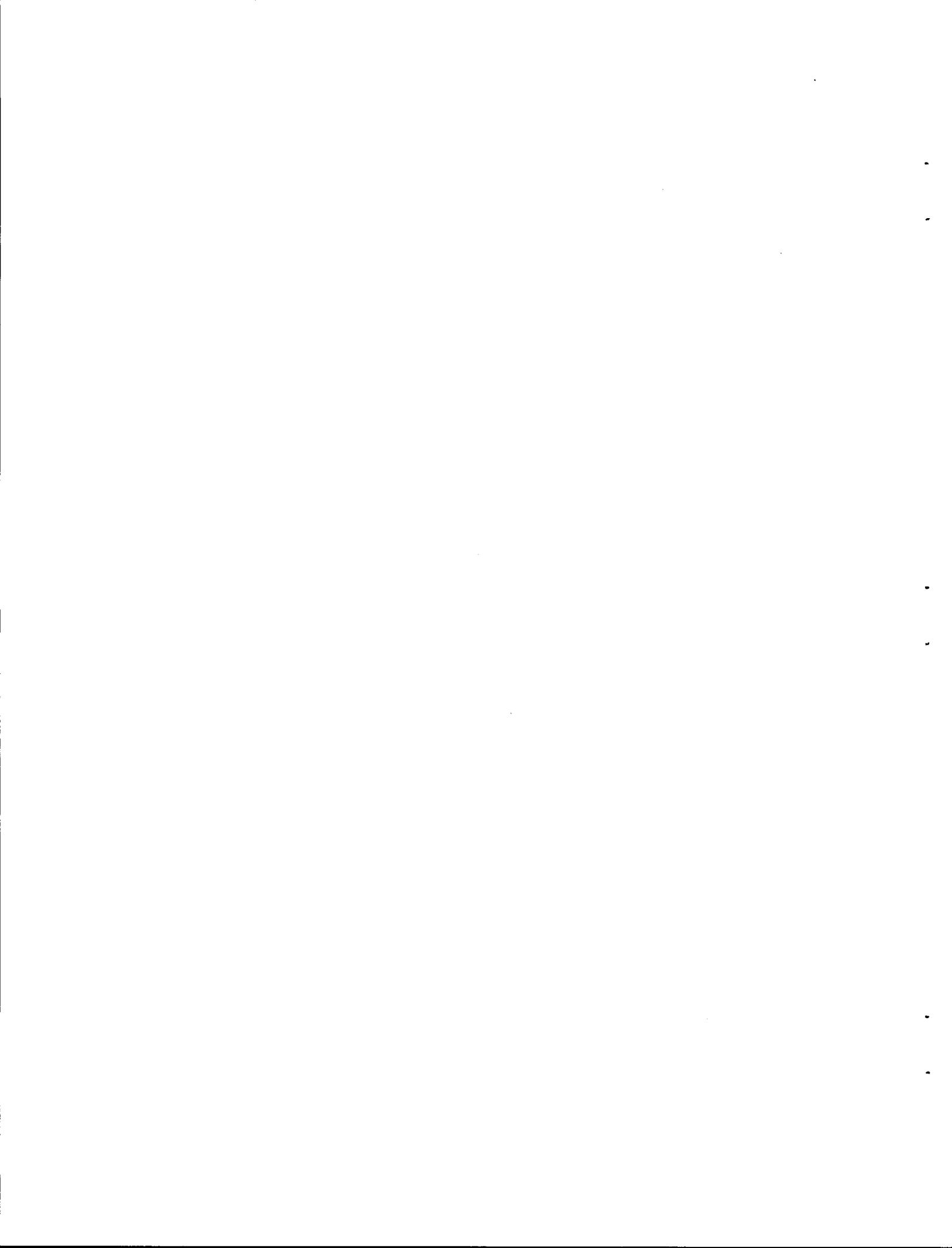
RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*805-049	Federal Manual for Identifying and Delineating Jurisdictional Wetlands 33 CFR Ch.II 40 CFR Ch.I 50 CFR Ch.I and IV 7 CFR Ch.VI	NPRM 56 FR 40446 8/14/91 Comment period extended 56 FR 51868 10/16/91	EPA, in cooperation with the Departments of Defense, Agriculture, and Interior, proposes revisions to the "Federal Manual for Identifying and Delineating Jurisdictional Wetlands."	Comments by <u>12/14/91</u> . Final rule undetermined.

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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 monthly updated version of Table 1 including all the chemicals listed in Table 1 along with additions/changes to the database as of September, 1991. Additions/changes since August have been shaded for ease of identification. Future issues of the *Environmental Regulatory Update Table* will include updates to the *IRIS* database during the previous month. *Use only the most current version of the table.*



IRIS CHEMICALS WITH REFERENCE DOSES AND/OR
CARCINOGEN ASSESSMENTS

(IRIS values current through September, 1991. Use only the most current version of this table).

NAME	CASRN	ORAL R/D (mg/kg/day)	INHAL R/C (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) ⁻¹	INHAL SLOPE FACTOR (mg/kg/day) ⁻¹
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	--	--	B2	--	--
ACETONE	000067-64-1	1E-1	--	D	--	--
ACETONITRILE	000075-05-8	6E-3	--	--	--	--
ACETOPHENONE	000098-86-2	1E-1	--	D	--	--
ACETYL CHLORIDE	000075-36-5	--	--	D	--	--
ACROLEIN	000107-02-8	--	--	C	--	--
ACRYLAMIDE	000079-06-1	2E-4	--	B2	4.5	--
ACRYLIC ACID	000079-10-7	0.08	3E-4	--	--	--
ACRYLONITRILE	000107-13-1	--	--	B1	5.4E-1	--
ADIPONITRILE	000111-69-3	--	--	D	--	--
ALACHLOR	015972-60-8	1E-2	--	--	--	--
ALAR	001596-84-5	1.5E-1	--	--	--	--
ALDICARB	000116-06-3	2E-4	--	D	--	--
ALDRIN	000309-00-2	3E-5	--	B2	1.7E+1	--
ALLY	074223-64-6	2.5E-1	--	--	--	--
ALLYL ALCOHOL	000107-18-6	5E-3	--	--	--	--
ALLYL CHLORIDE	000107-05-1	--	--	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 SULFAMATE	007773-06-0	2E-1	--	--	--	--
ANILINE	000062-53-3	--	1E-3	B2	5.7E-3	--
ANTHRACENE	000120-12-7	3E-1	--	--	--	--

NAME	CASRN	ORAL RD (mg/kg/day)	INHAL R/C (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) ⁻¹	INHAL SLOPE FACTOR (mg/kg/day) ⁻¹
ANTIMONY (METALLIC)	007440-36-0	4E-4	-	-	-	-
APOLLO	074115-24-5	1.3E-2	-	C	-	-
ARAMITE	000140-57-8	-	-	B2	2.5E-2	-
ARSENIC	007440-38-2	3E-4	-	A	5.0E+1	-
ASBESTOS	001332-21-4	-	-	A	-	-
ASSURE	076578-14-8	9E-3	-	D	-	-
ASULAM	003337-71-1	5E-2	-	-	-	-
ATRAZINE	001912-24-9	5E-3	-	-	-	-
AVERMECTIN B1	065195-55-3	4E-4	-	-	-	-
AZOBENZENE	000103-33-3	-	-	B2	1.1E-1	-
BARIUM	007440-39-3	7E-2	-	-	-	-
BARIUM CYANIDE	000542-62-1	-	-	-	-	-
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	-	-
BENZO(B)FLUORANTHENE	000205-99-2	-	-	B2	-	-
BENZO(G,H,I)PERYLENE	000191-24-2	-	-	D	-	-
BENZOIC ACID	000065-85-0	4	-	D	-	-
BENZOTRICHLORIDE	000098-07-7	-	-	B2	1.3E+1	-
BENZO[K]FLUORANTHENE	000207-08-9	-	-	B2	-	-
BENZYL CHLORIDE	000100-44-7	-	-	B2	1.7E-1	-
BERYLLIUM	007440-41-7	5E-3	-	B2	4.3E-0	-
BIDRIN	000141-66-2	1E-4	-	-	-	-
BIPHENTHRIN	082657-04-3	1.5E-2	-	-	-	-
BIPHENYL, 1,1'-	000092-52-4	5E-2	-	D	-	-

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) ⁻¹	INHAL SLOPE FACTOR (mg/kg/day) ⁻¹
BIS(2-CHLOROISOPROPYL) ETHER	039638-32-9	4E-2	--	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	000117-81-7	2E-2	--	B2	1.4E-2	--
BIS(2-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	1.3E-1	--
BROMODIPHENYL ETHER, P-	000101-55-3	--	--	D	--	--
BROMOFORM	000075-25-2	2E-2	--	B2	7.9E-3	--
BROMOMETHANE	000074-83-9	1.4E-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	--	--	--	--
CADMIUM	007440-43-9	5E-4	--	B1	--	--
CALCIUM CYANIDE	000592-01-8	4E-2	--	--	--	--
CAPROLACTAM	000105-60-2	5E-1	--	--	--	--
CAPTAFOL	002425-06-1	2E-3	--	--	--	--
CAPTAN	000133-06-2	1.3E-1	--	--	--	--
CARBARYL	000063-25-2	1E-1	--	--	--	--
CARBOFURAN	001563-66-2	5E-3	--	--	--	--
CARBON DISULFIDE	000075-15-0	1E-1	--	--	--	--
CARBON TETRACHLORIDE	000056-23-5	7E-4	--	B2	1.3E-1	--
CARBOSULFAN	055285-14-8	1E-2	--	--	--	--
CARBOXIN	005234-68-4	1E-1	--	--	--	--
CHLORAL	000075-87-6	2E-3	--	--	--	--
CHLORAMBEN	000133-90-4	1.5E-2	--	--	--	--

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

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

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) ⁻¹	INHAL SLOPE FACTOR (mg/kg/day) ⁻¹
DICHLOROETHYLENE, 1,1-	000075-35-4	9E-3	--	C	6E-1	--
DICHLOROMETHANE (METHYLENE CHLORIDE)	000075-09-2	6E-2	--	B2	7.5E-3	--
DICHLOROPHENOL, 2,4-	000120-83-2	3E-3	--	--	--	--
DICHLOROPHENOXYACETIC ACID, 2,4-	000094-75-7	1E-2	--	--	--	--
DICHLOROPHENOXY)BUTYRIC ACID, 4-(2,4-	000094-82-6	8E-3	--	--	--	--
DICHLOROPROPANOL, 2,3-	000616-23-9	3E-3	--	--	--	--
DICHLOROPROPENE, 1,3-	000542-75-6	3E-4	2E-2	B2	--	--
DICHLORVOS	000062-73-7	8E-4	--	B2	2.9E-1	--
DICOFOL	000115-32-2	--	--	C	4.4E-1	--
DIELDRIN	000060-57-1	5E-5	--	B2	1.6E+1	--
DIETHYL PHTHALATE	000084-66-2	8E-1	--	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	--	--
DIMETHYLSULFATE	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	--	--
DINITROPHENOL, 2,4-	000051-28-5	2E-3	--	--	--	--
DINITROTOLUENE MIXTURE	NO CASRN	--	--	B2	6.8E-1	--
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	--	--	--	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) ⁻¹	INHAL SLOPE FACTOR (mg/kg/day) ⁻¹
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	5E-5	--	--	--	--
ENDOTHALL	000145-73-3	2E-2	--	--	--	--
ENDRIN	000072-20-8	3E-4	--	D	--	--
EPICHLOROHYDRIN	000106-89-8	2E-3	--	B2	9.9E-3	--
EPTC	000759-94-4	2.5E-2	--	--	--	--
ETHEPHON	016672-87-0	5E-3	--	--	--	--
ETHION	000563-12-2	5E-4	--	--	--	--
ETHOXYETHANOL, 2-	000110-80-5	--	2E-1	--	--	--
ETHYL-P-NITROPHENYL PHOSPHONATE THIONOBENZENE (EPN)	002104-64-5	1E-5	--	--	--	--
ETHYL ETHER	000060-29-7	2E-1	--	--	--	--
ETHYL CHLORIDE	000075-00-3	--	1E+1	--	--	--
ETHYL ACETATE	000141-78-6	9E-1	--	--	--	--
ETHYLBENZENE	000100-41-4	1E-1	1E+0	D	--	--
ETHYLENE THIOUREA	000096-45-7	8E-5	--	--	--	--
ETHYLENE GLYCOL	000107-21-1	2E+0	--	--	--	--
ETHYLPHTHALYL ETHYL GLYCOLATE	000084-72-0	3E+0	--	--	--	--
EXPRESS	101200-48-0	8E-3	--	--	--	--
FENAMIPHOS	022224-92-6	2.5E-4	--	--	--	--
FENPROPATHRIN (DANITOL)	039515-41-8	5E-4	--	--	--	--
FLUOMETURON	002164-17-2	1.3E-2	--	--	--	--
FLUORANTHENE	000206-44-0	4E-2	--	D	--	--
FLUORENE	000086-73-7	4E-2	--	D	--	--
FLUORINE	007782-41-4	6E-2	--	--	--	--
FLURIDONE	059756-60-4	8E-2	--	--	--	--
FLURPRIMIDOL	056425-91-3	2E-2	--	--	--	--
FLUTOLANIL	066332-96-5	6E-2	--	--	--	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) ¹	INHAL SLOPE FACTOR (mg/kg/day) ¹
FLUVALINATE	069409-94-5	1E-2	--	--	--	--
FOLPET	000133-07-3	1E-1	--	B2	3.5E-3	--
FOMESAFEN	072128-02-0	--	--	C	1.9E-1	--
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	--	--	--	--
FURAZOLIDONE	000067-45-8	--	--	--	--	--
FURFURAL	000098-01-1	3E-3	--	--	--	--
FURMECYCLOX	060568-05-0	--	--	B2	3.0E-2	--
GLUFOSINATE-AMMONIUM	077182-82-2	4E-4	--	--	--	--
GLYCIDYL	000765-34-4	4E-4	--	B2	--	--
GLYPHOSATE	001071-83-6	1E-1	--	D	--	--
GOAL (OXYFLUORFEN)	042874-03-3	3E-3	--	--	--	--
HALOXYFOP-METHYL	069806-40-2	5E-5	--	--	--	--
HARMONY	079277-27-3	1.3E-2	--	--	--	--
HEPTACHLOR	000076-44-8	5E-4	--	B2	4.5E+0	--
HEPTACHLOR EPOXIDE	001024-57-3	1.3E-5	--	B2	9.1E+0	--
HEXABROMOBENZENE	000087-82-1	2E-3	--	--	--	--
HEXABROMODIPHENYL ETHER	036483-60-0	--	--	D	--	--
HEXACHLOROBENZENE	000118-74-1	8E-4	--	B2	1.6	--
HEXACHLOROBUTADIENE	000087-68-3	2E-3	--	C	7.8E-2	--
HEXACHLOROCYCLOHEXANE, ALPHA-	000319-84-6	--	--	B2	6.3E+0	--
HEXACHLOROCYCLOHEXANE, BETA	000319-85-7	--	--	C	1.8E+0	--
HEXACHLOROCYCLOHEXANE, GAMMA-	000058-89-9	3E-4	--	--	--	--
HEXACHLOROCYCLOHEXANE, EPSILON-	006108-10-7	--	--	D	--	--
HEXACHLOROCYCLOHEXANE, DELTA-	000319-86-8	--	--	D	--	--
HEXACHLOROCYCLOHEXANE, TECHNICAL-	000608-73-1	--	--	B2	1.8E+0	--
HEXACHLOROCYCLOPENTADIENE	000077-47-4	7E-3	--	D	--	--
HEXACHLORODIBENZO-P-DIOXIN MIXTURE	019408-74-3	--	--	B2	6.2E+3	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) ¹	INHAL SLOPE FACTOR (mg/kg/day) ¹
HEXACHLOROETHANE	000067-72-1	1E-3	--	C	1.4E-2	--
HEXACHLOROPHENE	000070-30-4	3E-4	--	--	--	--
HEXAHYDRO-1,3,5-TRINITRO-1,3,5- TRIAZINE	000121-82-4	3E-3	--	C	1.1E-1	--
HEXANE, N	000110-54-3	--	2E-1	--	--	--
HEXAZINONE	051235-04-2	3.3E-2	--	--	--	--
HYDRAZINE	000302-01-2	--	--	B2	3.0	--
HYDROGEN CYANIDE	000074-90-8	2E-2	--	--	--	--
HYDROGEN CHLORIDE	007647-01-0	--	7E-3	--	--	--
HYDROGEN SULFIDE	007783-06-4	3E-3	9E-4	--	--	--
IMAZALIL	035554-44-0	1.3E-2	--	--	--	--
IMAZAQUIN	081335-37-7	2.5E-1	--	--	--	--
INDENO(1,2,3-CD)PYRENE	000193-39-5	--	--	B2	--	--
IPRODIONE	036734-19-7	4E-2	--	--	--	--
ISOBUTYL ALCOHOL	000078-83-1	3E-1	--	--	--	--
ISOPHORONE	000078-59-1	2E-1	--	C	4.1E-3	--
ISOPROPALIN	033820-53-0	1.5E-2	--	--	--	--
ISOPROPYL METHYL PHOSPHONIC ACID	001832-54-8	--	--	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	1E-1	4E-4	D	--	--
MCPA	000094-74-6	5E-4	--	--	--	--
MCPB	000094-81-5	1E-2	--	--	--	--
MCPD	000093-65-2	1E-3	--	--	--	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) ⁻¹	INHAL SLOPE FACTOR (mg/kg/day) ⁻¹
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	--	--	D	--	--
METHYL ISOBUTYL KETONE	000108-10-1	--	--	--	--	--
METHYL MERCURY	022967-92-6	3E-4	--	--	--	--
METHYL PARATHION	000298-00-0	2.5E-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-6	--	--	--	--
MOLINATE	002212-67-1	2E-3	--	--	--	--
NALED	000300-76-5	2E-3	--	--	--	--
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	--	--	--	--

NAME	CASRN	ORAL RD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) ¹	INHAL SLOPE FACTOR (mg/kg/day) ¹
NICKEL REFINERY DUST	NO CASRN	--	--	A	--	--
NITAPYRIN	001929-82-4	1.5E-3	--	--	--	--
NITRATE	014797-55-8	1.6	--	--	--	--
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	--
NITORSO-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	--	--
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	--	--	--	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) ⁻¹	INHAL SLOPE FACTOR (mg/kg/day) ⁻¹
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	--	--	--	--
PHTHALIC ANHYDRIDE	000085-44-9	2E+0	--	--	--	--
PICLORAM	001918-02-1	7E-2	--	--	--	--
PIRIMIPHOS-METHYL	029232-93-7	1E-2	--	--	--	--
POLYCHLORINATED BIPHENYLS	001336-36-3	--	--	B2	7.7	--
POTASSIUM CYANIDE	000151-50-8	5E-2	--	--	--	--
POTASSIUM SILVER CYANIDE	000506-61-6	2E-1	--	--	--	--
PROCHLORAZ	067747-09-5	9E-3	--	C	1.5E-1	--
PROMETON	001610-18-0	1.5E-2	--	--	--	--
PROMETRYN	007287-19-6	4E-3	--	--	--	--
PRONAMIDE (KERB)	023950-58-5	7.5E-2	--	--	--	--
PROPACHLOR	001918-16-7	1.3E-2	--	--	--	--
PROPANIL	000709-98-8	5E-3	--	--	--	--
PROPARGITE	002312-35-8	2E-2	--	--	--	--
PROPARGYL ALCOHOL	000107-19-7	2E-3	--	--	--	--
PROPAZINE	000139-40-2	2E-2	--	--	--	--
PROPHAM	000122-42-9	2E-2	--	--	--	--
PROPICONAZOLE	060207-90-1	1.3E-2	--	--	--	--
PROPIONIC ACID, 2(2,4,5- TRICHLOROPHENOXY)-	000093-72-1	8E-3	--	D	--	--
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	--	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) ¹	INHAL SLOPE FACTOR (mg/kg/day) ¹
PYRIDINE	000110-86-1	1E-3	--	--	--	--
QUINALPHOS	013593-03-8	5E-4	--	--	--	--
RADIUM-228	015262-20-1	--	--	--	--	--
RADON-222	014859-67-7	--	--	--	--	--
RALLY (SYSTHANE)	088671-89-0	2.5E-2	--	--	--	--
RESMETHRIN	010453-86-8	3E-2	--	--	--	--
ROTENONE	000083-79-4	4E-3	--	--	--	--
SAVEY	078587-05-0	2.5E-2	--	--	--	--
SELENIOS ACID	007783-00-8	5E-3	--	D	--	--
SELENIUM AND COMPOUNDS	007782-49-2	5E-3	--	D	--	--
SELENIUM SULFIDE	007446-34-6	--	--	B2	--	--
SELENOUREA	000630-10-4	--	--	--	--	--
SETHOXYDIM	074051-80-2	9E-2	--	--	--	--
SILVER	007440-22-4	--	--	D	--	--
SILVER CYANIDE	000506-64-9	1E-1	--	--	--	--
SIMAZINE	000122-34-9	☼	--	--	--	--
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	--	--	--	--
STRYCHNINE	000057-24-9	3E-4	--	--	--	--
STYRENE	000100-42-5	2E-1	--	--	--	--
TCMTB	021564-17-0	--	--	--	--	--
TEBUTHIURON	034014-18-1	5E-2	--	--	--	--
TERBACIL	005902-51-2	1.3E-2	--	--	--	--
TERBUTRYN	000886-50-0	1E-3	--	--	--	--
TETRABROMODIPHENYL OXIDE	040088-47-9	--	--	D	--	--
TETRACHLOROBENZENE, 1,2,4,5-	000095-94-3	3E-4	--	--	--	--
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	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) ⁻¹	INHAL SLOPE FACTOR (mg/kg/day) ⁻¹
TETRACHLOROETHYLENE, 1,1,2,2-	000127-18-4	1E-2	--	--	--	--
TETRACHLOROPHENOL, 2,3,4,6-	000058-90-2	3E-2	--	--	--	--
TETRACHLOROTEREPHTHALIC ACID, 2,3,5,6-, DIMETHYL ESTER (DACTHAL)	001861-32-1	5E-1	--	--	--	--
TETRAETHYL LEAD	000078-00-2	1E-7	--	--	--	--
TETRAETHYLDITHIOPYROPHOSPHATE	003689-24-5	5E-4	--	--	--	--
THALLIC OXIDE	001314-32-5	--	--	D	--	--
THALLIUM (I) ACETATE	000563-68-8	9E-5	--	D	--	--
THALLIUM (I) CARBONATE	006533-73-9	8E-5	--	D	--	--
THALLIUM (I) CHLORIDE	007791-12-0	8E-5	--	D	--	--
THALLIUM (I) NITRATE	010102-45-1	9E-5	--	D	--	--
THALLIUM SELENITE	012039-52-0	9E-5	--	D	--	--
THALLIUM SULFATE	007446-18-6	8E-5	--	D	--	--
THIOBENCARB	028249-77-6	1E-2	--	--	--	--
THIOPHANATE-METHYL	023564-05-8	8E-2	--	--	--	--
THIRAM	000137-26-8	5E-3	--	--	--	--
TOLUENE	000108-88-3	2E-1	--	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	--	--	--	--
TRICHLOROENZENE, 1,2,4-	000120-82-1	--	--	D	--	--
TRICHLOROCYCLOPENTADIENE	077323-84-3	--	--	D	--	--
TRICHLOROETHANE, 1,1,1-	000071-55-6	--	--	D	--	--
TRICHLOROETHANE, 1,1,2-	000079-00-5	4E-3	--	C	5.7E-2	--
TRICHLOROETHYLENE	000079-01-6	--	--	--	--	--
TRICHLOROFLUOROMETHANE	000075-69-4	3E-1	--	--	--	--
TRICHLOROPHENOL, 2,4,5-	000095-95-4	1E-1	--	--	--	--

NAME	CASRN	ORAL RID (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) ⁻¹	INHAL SLOPE FACTOR (mg/kg/day) ⁻¹
TRICHLOROPHENOL, 2,4,6-	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, NATURAL	007440-61-1	--	--	--	--	--
URANIUM (SOLUBLE SALTS)	NO CASRN	3E-3	--	--	--	--
VANADIUM PENTOXIDE	001314-62-1	9E-3	--	--	--	--
VERNOLATE	001929-77-7	1E-3	--	--	--	--
VINCLOZOLIN	050471-44-8	2.5E-2	--	--	--	--
VINYL ACETATE	000108-05-4	--	2E-1	--	--	--
WARFARIN	000081-81-2	3E-4	--	--	--	--
WHITE PHOSPHORUS	007723-14-0	2E-5	--	D	--	--
XYLENE, MIXTURE	001330-20-7	2E+0	--	D	--	--
ZINC AND COMPOUNDS	007440-66-6	--	--	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

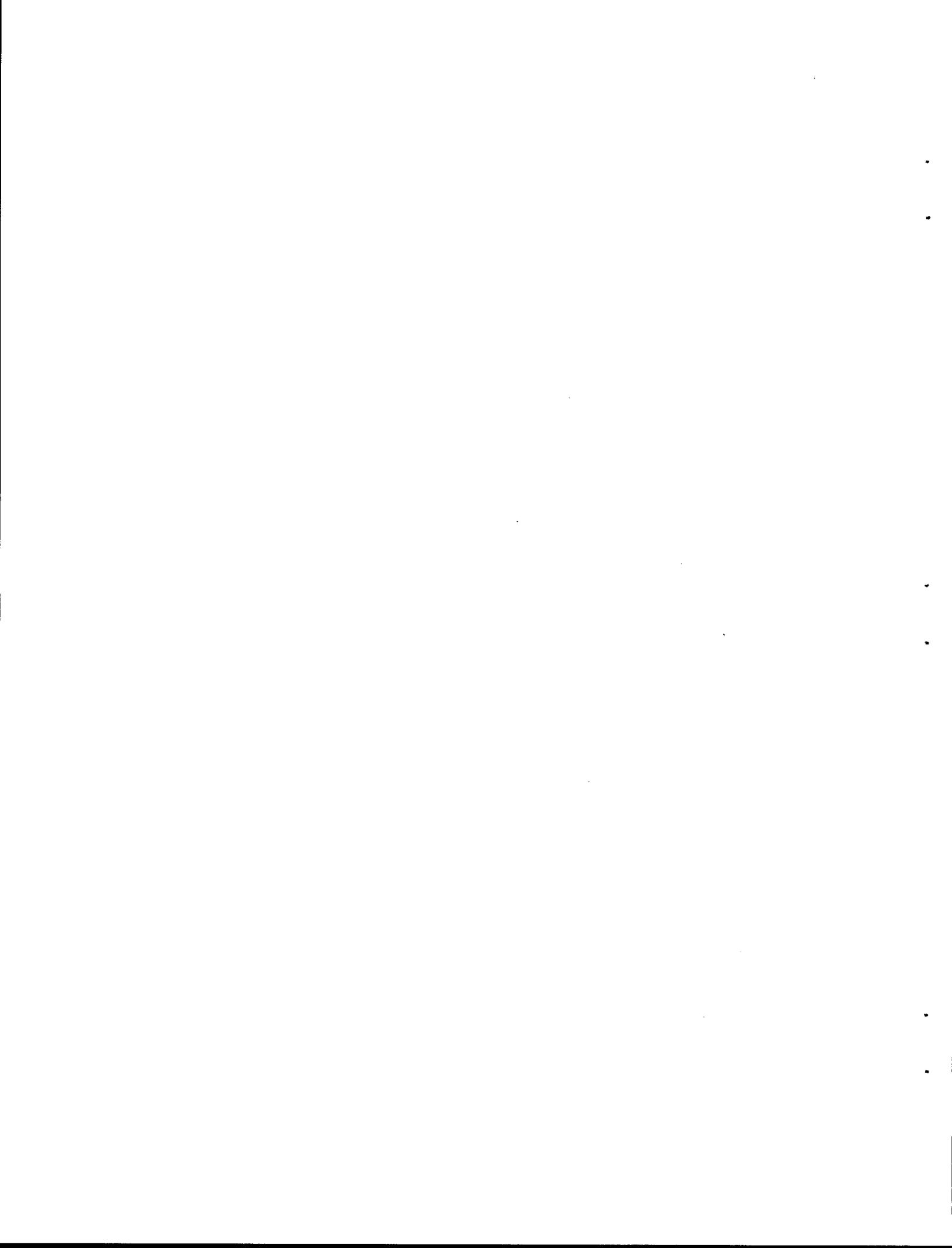
Limited evidence in human studies

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



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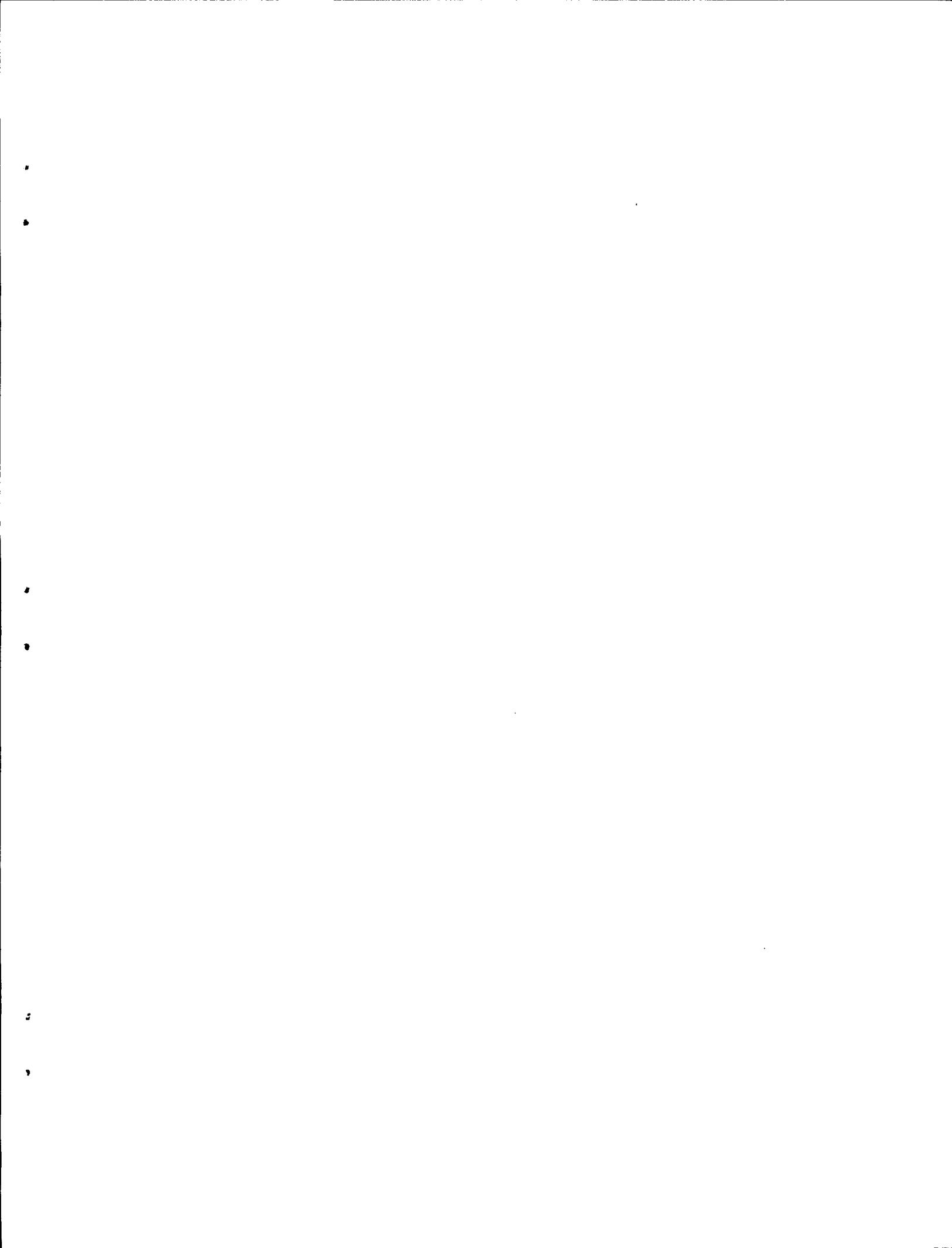
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