

JAN 22 1992

# ornl

MARTIN MARIETTA ENERGY SYSTEMS LIBRARIES



3 4456 0288327 1

ORNL-6658/R11

**OAK RIDGE  
NATIONAL  
LABORATORY**

**MARTIN MARIETTA**

## Environmental Regulatory Update Table

December 1991

L. M. Houlberg  
G. T. Hawkins  
M. S. Salk

( Environmental Sciences Division  
Publication No. 3643 )

OAK RIDGE NATIONAL LABORATORY

CENTRAL RESEARCH LIBRARY

CIRCULATION SECTION  
4500N ROOM 175

**LIBRARY LOAN COPY**

DO NOT TRANSFER TO ANOTHER PERSON

If you wish someone else to see this  
report, send in name with report and  
the library will arrange a loan.

UCN-7969 (3 9-77)



MANAGED BY  
MARTIN MARIETTA ENERGY SYSTEMS, INC.  
FOR THE UNITED STATES  
DEPARTMENT OF ENERGY

This report has been reproduced directly from the best available copy.

Available to DOE and DOE contractors from the Office of Scientific and Technical Information, P.O. Box 62, Oak Ridge, TN 37831; prices available from (615) 576-8401, FTS 626-8401.

Available to the public from the National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Rd., Springfield, VA 22161.  
NTIS price codes—Printed Copy: A07 Microfiche A01

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

ENVIRONMENTAL SCIENCES DIVISION  
ENVIRONMENTAL REGULATORY UPDATE TABLE  
DECEMBER 1991

L. M. Houlberg\*  
G. T. Hawkins\*  
M. S. Salk

                      
\*Health & Safety Research Division

Environmental Sciences Division  
Publication No. 3643

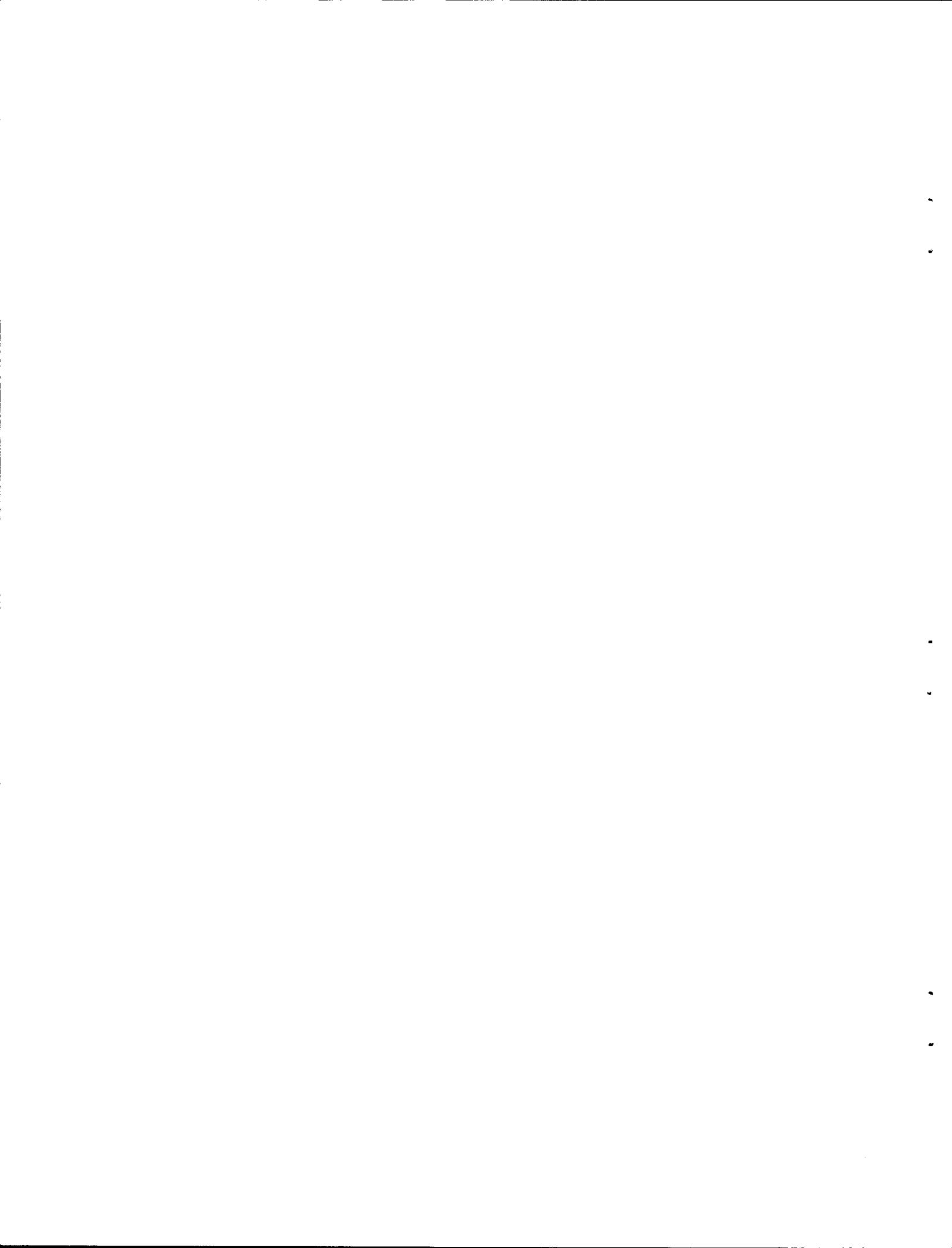
Date Published - January 1992

Prepared for the  
U.S. Department of Energy  
Office of Environmental Guidance  
Lois Thompson  
Technical Project Manager  
(B/A No. HA 01 15 00 0; EHHA002)

Prepared by the  
OAK RIDGE NATIONAL LABORATORY  
Oak Ridge, Tennessee 37831-6285  
managed by  
MARTIN MARIETTA ENERGY SYSTEMS  
for the  
U.S. DEPARTMENT OF ENERGY  
under contract DE-AC05-84OR21400



3 4456 0288327 1



Date \_\_\_\_\_

### CHANGES IN REGULATORY UPDATE TABLE DISTRIBUTION

Please modify the distribution for the Environmental Regulatory Update Table by  
(check one):

- Adding:
- Deleting:
- Correcting the address as indicated:
- Removing \_\_\_\_\_ and adding:

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

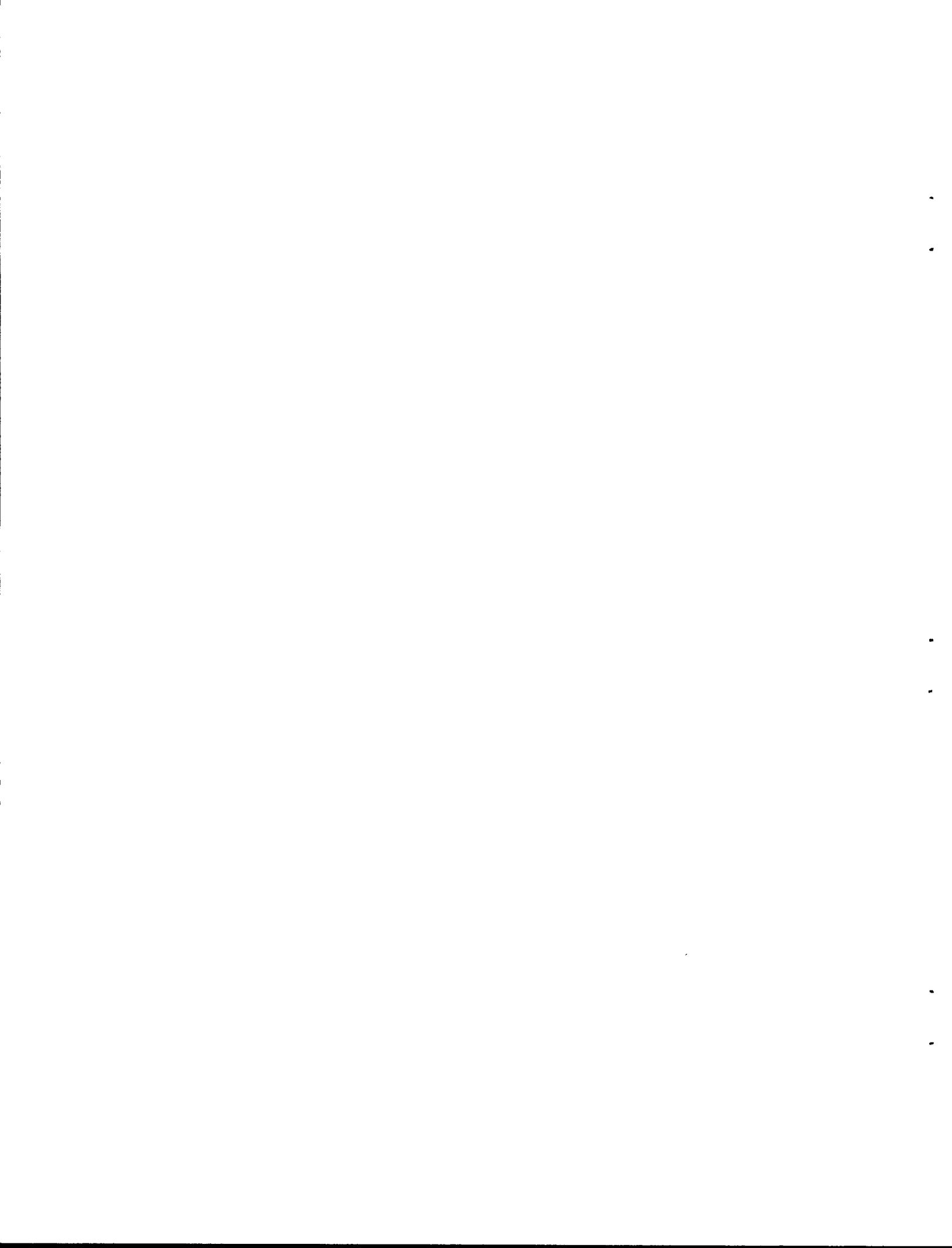
Phone: (Commercial) \_\_\_\_\_

(FTS) \_\_\_\_\_

Please send this form to:

Lois Thompson  
Air, Water, and Radiation Protection Division, EH-23  
Office of Environmental Guidance  
U. S. Department of Energy  
Washington, D. C. 20585

Or call her at FTS: 896-9581, Commercial: (202) 586-9581



## Monthly Environmental Regulatory Update

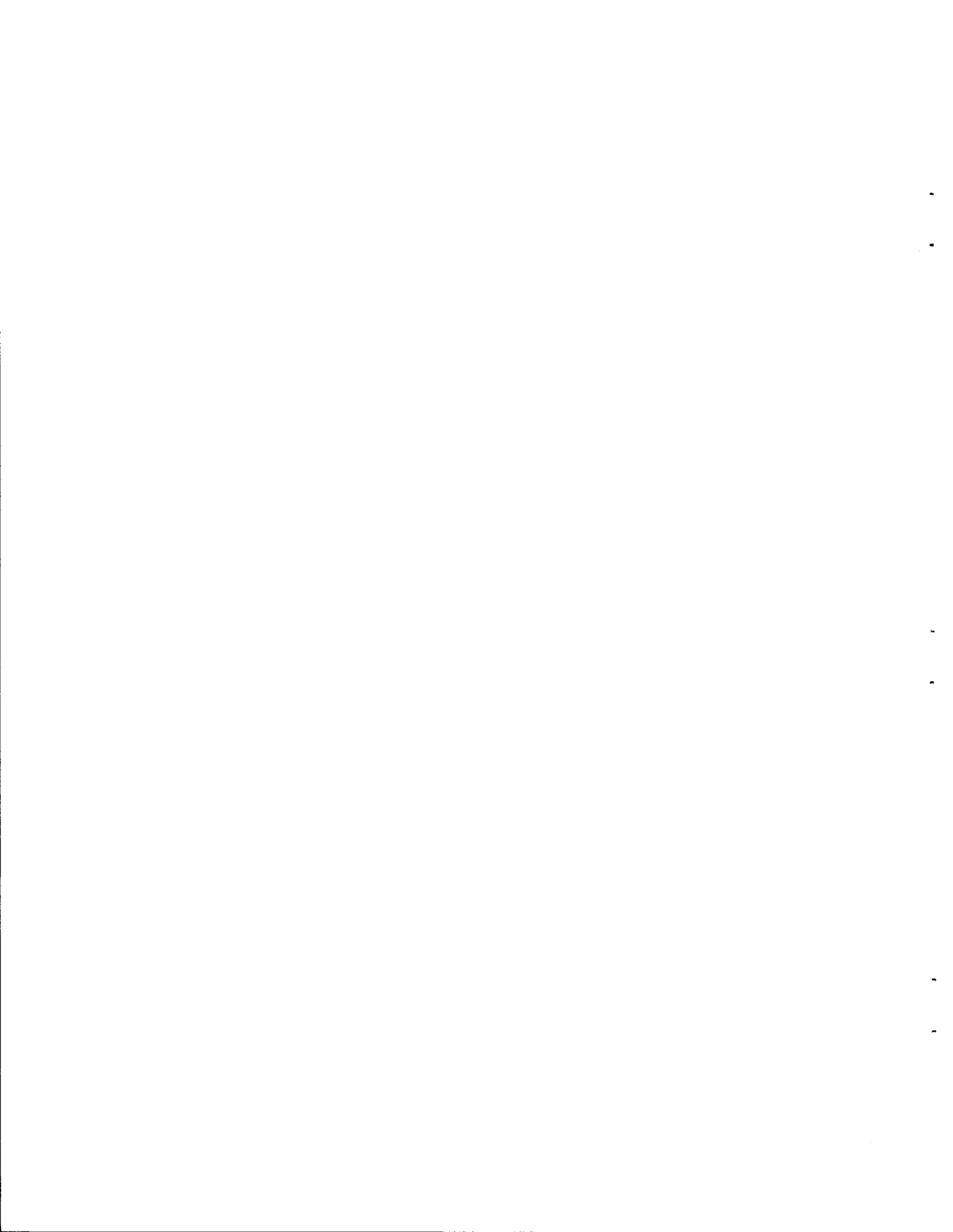
This report contains a monthly update of environmental regulatory activity that is of interest to the Department of Energy. It is provided to DOE operations and contractor staff to assist and support environmental management programs by tracking regulatory developments. Any proposed regulation that raises 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.

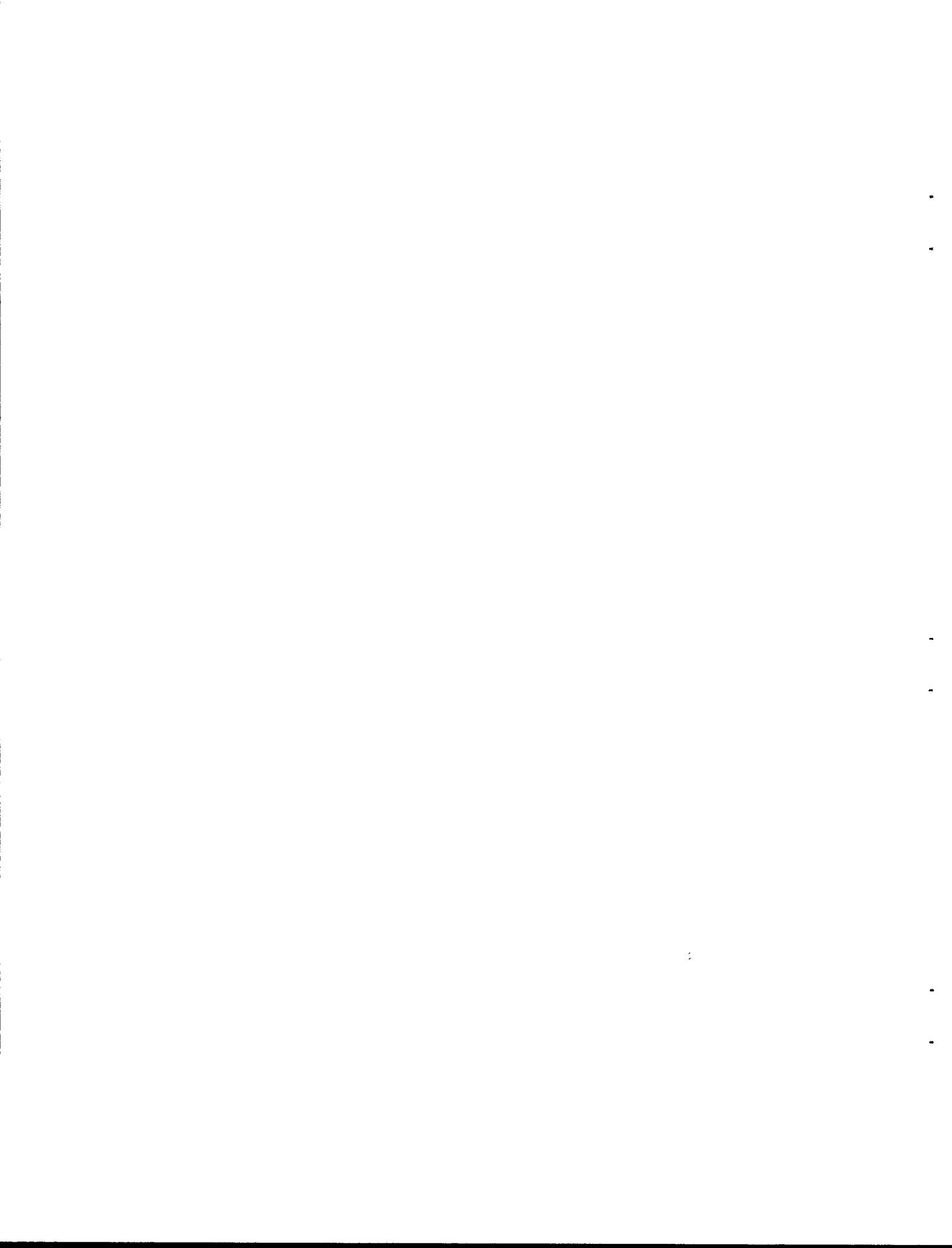


U.S. DEPARTMENT OF ENERGY

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

ENVIRONMENTAL REGULATORY UPDATE

DECEMBER 1991



REGULATORY UPDATE TABLE - DECEMBER 1991 UPDATE

Table of Contents

	Page
Regulatory Highlights	xiii
Regulatory Update Table	1
Resource Conservation and Recovery Act (RCRA) (RU # 840---)*	1
Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) (RU # 180---)	13
Superfund Amendments and Reauthorization Act (SARA) (RU # 190---)	19
Pollution Prevention Act (RU # 195---)	21
Safe Drinking Water Act (SDWA) (RU # 880---)	22
Clean Water Act (CWA) (RU # 140---)	26
Clean Air Act (RU # 120---)	33
Nuclear Waste Policy Act (RU # 700---)	44
Low-Level Radioactive Waste (LLW) Policy Amendments Act (RU # 740---)	45
Atomic Energy Act (RU # 100---)	47
Uranium Mill Tailings Radiation Control Act (RU # 930---)	57
Toxic Substances Control Act (TSCA) (RU # 920---)	57
Hazardous Materials Transportation Act (RU # 400---)	61
Occupational Safety and Health Act (OSHA) (RU # 780---)	70
Endangered Species Act (RU # 200---)	78
Marine Protection, Research, and Sanctuaries Act (RU # 460---)	80
National Environmental Policy Act (RU # 480---)	80
Archeological Resources Protection Act (RU # 090---)	81
Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) (RU # 300---)	81
Federal Mine Safety and Health Act (RU # 330---)	83
Historic Sites Act of 1935 (RU # 410---)	84
Biotechnology (RU # 110---)	84
Pacific Northwest Electric Power & Conservation (RU # 810---)	84
Coastal Zone Management Act (RU # 160---)	85
Other (RU # 805---)	86
IRIS Table Update	89
Index to RU Numbers by CFR Citation	107

\*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 - December, 1991

### **1. Hazardous Waste Management System: Amendments to Interim Status Standards for Downgradient Ground-Water Monitoring Well Locations at Hazardous Waste Facilities - Final Rule**

Under the authority of the Resource Conservation and Recovery Act, EPA issues a final rule (NPRM: 1-18-91) amending ground-water monitoring requirements in 40 CFR 265.91 for interim status landfills, surface impoundments, and land treatment facilities. Current regulations mandate that owners and operators of these facilities install a ground-water monitoring system including at least three hydraulically downgradient monitoring wells located at the limit of the waste management area. This final rule adds Section 265.91(a)(3) to allow alternate placement of monitoring wells in certain instances where existing physical obstacles prevent installation at the hydraulically downgradient limit of the waste management area. For facilities seeking approval for alternative well placement, EPA will require a written demonstration certified by a qualified ground-water scientist (as defined in the rule). The demonstration must establish that: (1) an existing physical obstacle prevents the installation of a monitoring well at the hydraulically downgradient limit of the waste management area; (2) the alternate location is as close as practical to the limit of the waste management area; and (3) the detection of any statistically significant amounts of hazardous waste or hazardous constituents that migrate to the uppermost aquifer is as early as possible, given the alternate location. EPA indicates that a "physical obstacle" can include factors affecting the safety of personnel (e.g., presence of overhead or underground electrical cables or wires) as well as geologic features, buildings, and roads. Alternate locations for down gradient wells will not be allowed when obstacles at the limit of the waste management area may be avoided. Only those units existing on the effective date of this amendment or subsequently coming under interim status will be eligible for the use of alternate downgradient well placement. The rule will become effective on June 23, 1992. (12-23-91, 56 FR 66365, RU# 840-297)

### **2. Guidelines For Developmental Toxicity Risk Assessment - Final Guidelines**

EPA has issued final amended guidelines, revising the 1986 "Guidelines for the Health Assessment of Suspect Developmental Toxicants," for assessing the risks for developmental toxicity from exposure to environmental agents. Risk assessment is the process by which scientific judgments are made concerning the potential for toxicity to occur in humans. These guidelines outline principles and methods for evaluating data from animal and human studies, exposure data, and other information to characterize risk to human development, growth, survival, and function because of exposure prior to conception, prenatally, or to infants and children. Some environmental agents are established as causing developmental toxicity in humans (e.g., lead, PCBs, methylmercury, and ionizing radiation), while others are suspected of causing developmental toxicity in humans based on data from animal studies. In comparisons, agents causing human

developmental toxicity in most cases were found to produce adverse effects in experimental animal studies and, in at least one species tested, types of effects similar to those in humans. The guidelines provide new guidance on the relationship between maternal and developmental toxicity, characterization of the health-related data base for developmental toxicity risk assessment, use of the reference dose or reference concentration for developmental toxicity, and use of the benchmark dose approach. If animal data are considered sufficient for risk assessment, an oral or dermal reference dose for developmental toxicity ( $RfD_{DT}$ ) or an inhalation reference concentration ( $RfC_{DT}$ ) is derived for comparison with human exposure estimates. The  $RfD_{DT}$  is based on short-term exposure, to distinguish it from the reference dose (RfD), which is used for chronic exposure situations. The guidelines were effective December 5, 1991. (12-5-91, 56 FR 63798, RU# 805-010)

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
<b>RESOURCE CONSERVATION AND RECOVERY ACT</b>				
	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			
840-009	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 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.
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 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.	Final rule 10/92.
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.	Effective 10/9/93 except Subpart G of Part 258 is effective 4/9/94.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

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. OSW to issue implementation guidance document 2/92.  Stay remains in effect until final promulgation of RU# 840-268.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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 3/92. Final rule 3/94.
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.
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.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

## REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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.
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.	<u>NPRM 1/92.</u> Final rule 5/92.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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.	NPRM 1/92. 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."	<u>Final document 1/92.</u>

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

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.	<u>Final rule 3/92.</u>
*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 1/92.  <u>NPRM 1/92.</u> Final rule 10/92.
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 by 1/93.
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.	NPRM 1/92.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

## REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
840-180	State Hazardous Waste Management Program - Alabama 40 CFR 271	Immediate final rule 56 FR 60926 11/29/91	EPA grants final authorization to Alabama for revisions to its state hazardous waste management program, subject to public review and comment. The revisions address Non-HSWA Clusters I, II, and III provisions.	Final authorization effective 1/28/92.
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.
840-193	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 rule 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 guidance manual will assist in characterizing environmental media of concern and environmental pathways along which migration may occur.	NPRM 1/92. Final rule 12/92.
840-195	Identification and Listing of Hazardous Wastes - De minimis 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.	NPRM 8/92.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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 6/92.
*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  NPRM 56 FR 40292 8/14/91 Final rule 56 FR 66369 12/23/91	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.  EPA extends until 12/31/93 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).	Final rule 1/92.  <u>Final rule effective 12/23/91. Compliance date extended to 12/31/93.</u>
*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.	<u>Final guidance document 4/92.</u>

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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. Rulemaking initiative withdrawn 9/30/91. Final report to Congress 4/92.
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.	Final rule 7/92.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

## REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*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.	<u>NPRM 4/92.</u>
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.	Final rule 9/92.
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.	Final rule 7/92.
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.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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 4/92. Final rule 11/92.
<del>840-288</del>	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.
<del>840-294</del>	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.	NPRM 2/92. Final rule 2/93.
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.	NPRM 3/92. Final rule 3/93.
<del>840-296</del>	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 indefinitely.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*840-297	Standards for Downgradient Groundwater Monitoring Well Locations 40 CFR 265	NPRM; NOA 56 FR 2108 1/18/91 Final rule 56 FR 66365 12/23/91	EPA promulgates a rule 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. Certain criteria must be met and certified by a qualified groundwater scientist as defined in the rule.	<u>Effective 6/23/92.</u>
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 1/92. 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.	NPRM 5/92. Final rule 5/93.
840-306	Definition of Solid Waste; Regulations Governing HW Recycling 40 CFR 261 40 CFR 266	Planned ANPRM 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.	ANPRM 1/92.
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 2/92. Final rule 9/92.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
<b>COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT</b>				
	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.	<u>Final rule 2/92.</u>
*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.	<u>Final rule 2/92.</u>

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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 2/92.
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.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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 2/92.
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  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 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.  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 5/92.  NPRM 1/92.
180-086	Toxicological Profiles	NOA 56 FR 52036 10/17/91 Correction 56 FR 59330 11/25/91	ATSDR announces the availability of twenty updated draft toxicological profiles.	Comments by 2/18/92.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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 undetermined; awaiting final agency approval.
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.	NPRM still in interagency review; may be out by 2/92. Final rule 11/92.
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.	NPRM on hold; being reevaluated. No schedule for action.
*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 2/92. Final rule 2/93.</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.	NPRM 3/92.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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.	NPRM 3/92. Final rule 8/92.
*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 1/92.</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.	NPRM 5/92. Final rule 12/92.
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.	NPRM 2/92. Final 10/92.
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.	Final rule 4/92.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

## REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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.	NPRM 10/92. Final rule 10/93.
*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 1/92. Final rule 1/93.</u>
*180-121	Federal Agency Hazardous Waste Compliance Docket	Notice 56 FR 64898 12/12/91	EPA publishes the fifth update of the Federal Agency Hazardous Waste Compliance Docket which contains information regarding federal facilities that manage hazardous waste or from which hazardous substances may be or have been released.	<u>List is current as of 8/23/91.</u>
*180-122	National Priorities List - Five-Year Reviews and NPL Deletion 40 CFR 300	Notice of policy change 56 66601 12/24/91	EPA revises its policy which linked deletion from the NPL with "five-year reviews" conducted pursuant to Sect. 121(c) of CERCLA. The two processes will now be managed separately. Effective immediately, EPA may delete sites from the NPL when applicable deletion criteria are satisfied and will not retain sites on the NPL solely because they are subject to five-year review.	<u>Effective 12/24/91.</u>

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
<b>SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT</b>				
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 1/92.
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 undetermined; awaiting final agency approval.
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.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*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).	<u>Final guidance document 3/92.</u>
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.
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.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

## REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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 12/92.
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 7/92.
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.	NPRM 2/92.
<b>POLLUTION PREVENTION ACT</b>				
*195-002	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.	Final rule 5/92.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
<b>SAFE DRINKING WATER ACT</b>				
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.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 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. Final rule 6/95.
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 NOA 56 FR 60949 11/29/91	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.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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.	<u>Final rule 4/92.</u>
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.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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. Final rule 11/94.
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).	NPRM 12/92.
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.	NPRM 11/92. Final rule 2/94.
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.	NPRM 6/93. Final rule 6/95.
*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.	NPRM 6/92. Final rule 3/93.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*880-054	Mechanical Integrity Tests for Injection Wells - Alternative Method	Notice 56 FR 47474 9/19/91	EPA proposes to reissue approval of the Oxygenation Activation test and addresses comments in response to concerns raised by the American Petroleum Institute regarding the technical basis for EPA's approval.	<u>Final approval 1/92.</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.	Rulemaking initiative being reevaluated. No schedule; may be withdrawn.

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	Guidelines Establishing Test Procedures for the Analysis of Pollutants 40 CFR 136	NPRM 56 FR 5090 2/7/91 Notice 56 FR 24814 5/31/91	Under Sect. 304(h) of the CWA, EPA proposes to amend the guidelines establishing test procedures for the analysis of pollutants by adding a method for the analysis of 17 tetra- through octa-chlorinated dioxin and furan compounds.	Final rule 2/92.
		NPRM 56 FR 55410 10/25/91	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.	<u>Final rule undetermined.</u>

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 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.	<u>Final rule 8/92.</u>
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.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*140-066	Water Quality Standards Numeric Criteria for Priority Pollutants - State Compliance 40 CFR 131	NPRM 56 FR 58420 11/19/91 Corrections 56 FR 63471 12/4/91	EPA proposes to 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.	Final rule 2/92.
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.	NPRM 5/92. Final rule 5/93.
*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 Final rule 56 FR 64876 12/12/91	EPA establishes 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 effective 1/13/92.</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. Supplemental final rule 1/92.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*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.	<u>NPRM 3/92. Final rule 3/93.</u>
*140-085	NPDES Permit Application Requirements for Storm Water Discharges 40 CFR 122	NPRM 56 FR 12101 3/21/91 Final rule 56 FR 56548 11/5/91	EPA extends until 10/1/92 the deadline for submission of individual industrial storm water applications and sets a fixed deadline of 10/1/92 for submission of individual applications from rejected members of storm water group applications.	Final rule effective 1/18/91. Individual permit application deadline extended to 10/1/92.
		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 4/92.
		NPRM 56 FR 56555 11/5/91	EPA proposes to extend until 10/1/92 the deadline for submitting Part 2 of NPDES group applications for storm water discharges associated with industrial activity.	<u>Final rule 4/92.</u>
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.	Final rule 4/92.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 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.	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. Final rule 10/92.
*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.
		NPRM 56 FR 63897 12/6/91 Correction 56 FR 66120 12/20/91	In response to litigation, EPA proposes several amendments to 40 CFR 414 which sets effluent limitations for point sources in the organic chemicals, plastics, and synthetic fibers category.	<u>Comments by 1/21/92.</u>
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.	NPRM 1/92.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 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.	Final rule 2/92.
140-108	Shore Protection Act Section 1403(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.	NPRM 10/92. Final rule 10/93.
140-109	Effluent Guidelines and Standards for the Waste Treatment Category 40 CFR Subchapter N	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.	Phase I NPRM 4/94. Final rule 1/96.
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.	Final rule 4/92.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

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.	NPRM 7/93. Final rule 7/94.
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 Final rule 56 FR 59110 11/22/91	The Corps of Engineers amends its nationwide permit program regulations, issues 10 new nationwide permits, reissues the existing nationwide permits, and adds new conditions to all of the nationwide permits.	Effective 1/21/92.
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.	Supplemental NPRM 3/92.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

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 <sub>2</sub> , and certain monitoring and reporting requirements. EPA incorporates additional material into the dockets for the proposed revisions to the Ambient Air Quality Surveillance requirements.	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.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

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.	NPRM undetermined; no schedule as yet.
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.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

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.	Final rule 1/92.
		Section 114 information request 55 FR 49116 11/26/90 Temporary final rule 56 FR 9518 3/6/91 Correction 56 FR 46041 9/9/91 NPRM - Phase-out 56 FR 49548 9/30/91 Correction 56 FR 50693 10/8/91 Direct final amendment 56 FR 67368 12/30/91	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. Final rule 1/92.
			EPA issues amendments and adjustments to its 3/6/91 temporary final rule which implemented Sect. 604 requirements for the 1991 calendar year only.	<u>Comments by 1/29/92.</u> <u>Amendment effective retroactively to 1/1/91.</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.	NPRM 2/92. Final rule 7/92.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*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.	<u>Reproposed NPRM 3/92.</u>
120-083	NAAQS - Nitrogen Oxide 40 CFR 50.11	NOA - draft document 56 FR 59285 11/25/91	EPA announces the availability of an external review draft of a revised air quality criteria document of oxides of nitrogen prepared by the Environmental Criteria and Assessment Office (ECAO) of the Office of Research and Development.	Comments by 2/28/92. Final review 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.	Final criteria document 3/92.
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.	NPRM 3/92. Final rule 11/92.
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.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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.	NPRM 9/92. Final rule 9/93.
*120-113	Methods for Measurement of Condensable Particulate Emissions 40 CFR 51	NPRM 55 FR 41546 10/12/90 Final rule 56 FR 65433 12/17/91	EPA adds a CAA method for states (SIPs) to measure condensable particulate matter (CPM) emissions from stationary sources.	<u>Effective 12/17/91.</u>
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.
*120-117	NESHAPs - Benzene 40 CFR 61	NPRM 54 FR 38083 9/14/89 Final rule 55 FR 8292 3/7/90 NPRM 56 FR 64217 12/9/91	EPA proposes to stay the effectiveness of Subpart FF of 40 CFR 61, the benzene standard for benzene waste operations, for all sources originally subject to this rule until action is taken to amend the rule in response to a settlement agreement with the regulated community.	<u>Subpart FF stayed until final rule published. Final action due by 12/1/92.</u>

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.



REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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).	NPRM 5/92.
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.	NPRM on hold; no schedule as yet.
*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.	<u>NPRM 3/92. Final rule 3/93.</u>
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 demonstrated for new units.	NPRM 8/92. Final rule 9/93.
*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.	<u>Final list of categories 1/92; final regulatory schedule 12/92.</u>

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

## REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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.	Final rule 2/92.
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.	Interim guidance document issuance date undetermined; still at OMB.
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.	NPRM 1/92. Final rule 8/92.
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.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*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.	Final rule 1/92.
120-173	Enhanced Monitoring and Compliance Certification Regulations 40 CFR 70 40 CFR 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.	NPRM 2/92. Final rule 11/92.
120-175	Clean Fuel Fleet Programs 40 CFR 88	NPRM 56 FR 50196 10/3/91	EPA proposes to incorporate clean fuel fleet vehicle credit programs, emission standards, and certain federal fleet requirements into state implementation plans.	Final rule 4/92. Vehicle conversion regulations - NPRM 1/92. Final rule 11/92.
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 2/92. Final rule 11/92.
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.	NPRM 4/92.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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.	NPRM 4/92. 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 2/92.
120-180	Designation and Classification of Nonattainment Areas 40 CFR 81	Final rule 56 FR 56694 11/6/91	EPA establishes the attainment status for selected areas affected by the ozone, carbon monoxide, particulate matter and lead national ambient air quality standards under the CAA.	Effective 1/6/92.
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 minimis levels for the 189 listed hazardous air pollutants and establish relative toxicity ranking for determinations of offsets.	Proposed guidance document 3/92. Final document 2/93.
*120-182	Control Techniques Guidelines	NOA 56 FR 64785 12/12/91	EPA makes available a draft Control Techniques Guideline (CTG) document for control of volatile organic compound (VOC) emissions from reactor processes and distillation operations in the synthetic organic chemical manufacturing industry. EPA plans to issue ten more CTGs by 11/93.	<u>Comments by 2/10/92.</u>

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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.	NPRM 2/92. 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 3/92. Final rule 1/94.</u>
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.	NPRM 1/92. Final rule 1/93.
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.	NPRM 2/92.
*120-188	PM-10 Nonattainment Areas - Reclassification From Moderate to Serious 40 CFR 81	NPRM 56 FR 58656 11/21/91	EPA proposes to reclassify 14 of the initial moderate PM-10 nonattainment areas as serious areas. Sect. 188(b)(1) of the CAA requires the Administrator to classify any area he determines cannot practicably attain the PM-10 NAAQS by the appropriate attainment date.	<u>Final rule undetermined.</u>

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*120-189	Acid Rain Program - Permits, Allowances, Emissions 40 CFR 72 40 CFR 73 40 CFR 75 40 CFR 77	NPRM 56 FR 63002 12/3/91	EPA issues proposed regulations on permits, an allowance system, continuous emissions, and excess emissions penalties for the CAA acid rain program.	<u>Comments by 2/3/92.</u>
<b>NUCLEAR WASTE POLICY ACT</b>				
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 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 placed on hold.
*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.	<u>Rulemaking decision date undetermined.</u>

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
<b>LOW-LEVEL RADIOACTIVE WASTE (LLW) POLICY AMENDMENTS ACT</b>				
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 on hold pending resolution of issue with NRC.
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.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

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.	<u>NPRM 2/92</u> . Final rule 1/93.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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.
<b>100-018</b>	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.
<b>100-021</b>	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.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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.
*100-041	Standards for Protection Against Radiation 10 CFR 20	ANPRM 45 FR 18023 3/20/80 NPRM 51 FR 1092 1/9/86 Final rule 56 FR 23360 5/21/91 Corrections 56 FR 61352 12/3/91	NRC revises its requirements for protection of individuals exposed within and outside the workplace to ionizing radiation from normal operations licensed by the NRC. The revision reflects current data on health risks, dosimetry, and radiation protection practices.	Final rule effective 6/20/91. Implementation deferred until 1/1/93.
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.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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.	NPRM 5/92. Final rule 6/93.
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.	Final policy statement 1/92.
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.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*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 NOA 56 FR 64817 12/12/91 Final rule 56 FR 64943 12/13/91	NRC establishes 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.  NRC publishes five reports that provide supplementary information to its final rule on nuclear power plant license renewal.	<u>Effective 1/13/92.</u>
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. Final rule 10/92.
*100-186	Notification of Incidents 10 CFR 20 10 CFR 30 10 CFR 40 10 CFR 70	NPRM 55 FR 19890 5/14/90 Final rule 56 FR 40757 8/16/91 Correction 56 FR 64980 12/13/91	NRC revises licensee reporting requirements for notifications of incidents related to radiation safety to ensure that significant occurrences at material licensee facilities are promptly reported to NRC.	Effective 10/15/91.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

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.	Final rule 3/92.
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  Proposed amendment 56 FR 41968 8/26/91	NRC issues a policy statement on NRC/state cooperation in relation to nuclear power plants and other nuclear production or utilization facilities.  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.	Effective 2/22/89.  Final amendment 2/92.
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.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

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 7/92.
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.	Final rule 2/92.
*100-249	Requirements for Possession of Industrial Devices 10 CFR 31 10 CFR 32	NPRM 56 FR 67011 12/27/91	NRC proposes to amend the regulations for the possession of industrial devices containing byproduct material to require device users to report to the NRC on a periodic basis if the device is still in use or to whom the device has been transferred to assure that devices are not improperly transferred or inadvertently discarded.	<u>Comments by 3/12/92.</u> Final rule 1/93.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

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.	NPRM 4/92.
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  NOA 56 FR 12734 3/27/91 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.  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 9/92. Final rule 5/93.  NPRM sent to Commission 4/90; awaiting their action on it.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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 Comment period extended 56 FR 59898 11/26/91	NRC proposes to amend its regulations to add provisions concerning the scope of environmental effects which would be addressed by the Commission in conjunction with applications for operating license renewal for nuclear power plants.	Comments by 3/16/92. 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	NRC 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. NRC 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 2/92.
*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	NRC will propose to require decontamination and decommissioning of material facilities within a fixed period of time after cessation of operations.	NPRM 2/92.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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 2/92.
*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.	<u>Final rule 3/92.</u>
100-283	Regulatory Guides	NOA 56 FR 50598 10/7/91 Comment period extended 56 FR 59303 11/25/91	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."	Comments by 1/31/92.
*100-284	Radiation Protection of the Public and Environment 10 CFR 834	Planned NPRM 56 FR 53246 10/21/91  Notice 56 FR 67066 12/27/91	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.  The Defense Nuclear Facilities Safety Board makes a recommendation to the Secretary of Energy concerning radiation protection for workers and the general public at DOE defense nuclear facilities.	NPRM 2/92.  <u>Comments by 1/27/92.</u>

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

## REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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.	Final rule 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.	<u>Final rule undetermined.</u>
*100-289	Radiation Protection for Occupational Workers 10 CFR 835	NPRM 56 FR 64334 12/9/91  Notice 56 FR 67066 12/27/91	DOE proposes primary standards that would be applicable to the control of radiation exposures to occupational workers from normal operations under the control of DOE and DOE contractor personnel.  The DNFSB makes a recommendation to the Secretary of Energy concerning radiation protection for workers and the general public at DOE defense nuclear facilities.	<u>Comments by 2/7/92.</u>  <u>Comments by 1/27/92.</u>
*100-290	Nuclear Safety Management 10 CFR 830	NPRM 56 FR 64316 12/9/91	DOE proposes the addition of a new part to its regulations establishing a body of rules for DOE contractor and subcontractor activities that will form the basic requirements for ensuring nuclear safety at DOE facilities. The body of rules will include conduct of operations, occurrence reporting, safety analysis and requirements, training, certification, and maintenance.	<u>Comments by 2/7/92.</u>

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
<b>URANIUM MILL TAILINGS RADIATION CONTROL ACT</b>				
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.	Final rule 1/92.
*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.	Final rule 4/92.
*930-038	Health and Environmental Standards for Uranium Mill Tailings 40 CFR 192	ANPRM 56 FR 67569 12/31/91	EPA will propose to amend Subpart D to require enforceable closure deadlines and appropriate monitoring for uranium mill tailings disposal sites that are licensed by the NRC or one of its Agreement States.	Comments by 2/24/92. NPRM by 4/30/92.
<b>TOXIC SUBSTANCES CONTROL ACT</b>				
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.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

## REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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 7/92.
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.	Final rule 1/92.
*920-092	Chemical Test Data	Notice 56 FR 65477 12/17/91	EPA announces the receipt of chemical test data on tributyl phosphate and several phthalate esthers.	
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).	Final rule and clarification 4/92.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

## REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*920-121	Interagency Testing Committee Reports	Notice 56 FR 67424 12/30/91	The Interagency Testing Committee transmits to EPA and makes available to the public its Twenty-Ninth Report and recommendations for revisions to the Sect. 4(e) Priority Testing List of Chemicals.	Comments by <u>1/29/92.</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.
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.	NPRM 5/92.
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.	NPRM 5/92.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*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. <u>Formal notification of this action is to be published in Federal Register 1/92.</u>
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.	NPRM 12/92.
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.	Final policy statement 6/92.
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 6/92.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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.	NPRM 4/92.
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.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.



## REGULATORY UPDATE TABLE - DECEMBER 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 2/92.
*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 1/93.</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.	NPRM 3/92. Final rule 3/93.
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.	NPRM 1/92.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

## REGULATORY UPDATE TABLE - DECEMBER 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.	Final rule undetermined.
400-063	Excavation Damage-Prevention Programs for Pipelines 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 gas, hazardous liquid, and carbon dioxide pipelines to conduct excavation damage prevention programs in accordance with criteria adopted previously for gas pipeline damage prevention programs.	Interim final rule 2/92.
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 3/92.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 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. Hazard communication and classification requirements effective 10/1/92.
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.	NPRM 4/92.
*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 5/92.</u>

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 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 Correction 56 FR 65005 12/13/91	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.	Effective 1/15/92.
*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 Compliance date delayed 56 FR 67542 12/31/91	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.	Effective 3/30/92. <u>Classification and hazard communication requirements effective 10/1/93. Placarding requirements effective 10/1/94. Packaging closure requirements effective 3/30/95.</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 <sub>2</sub> S; (2) require that the release of a designated excess of H <sub>2</sub> S be reported to DOT; and (3) require that onshore/offshore gathering lines carrying a designated excess of H <sub>2</sub> S have a contingency plan in place in case of a release of the gas.	Final rule 3/92.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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.
*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.	<u>Final rule 3/92.</u>
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.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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 on hold; no schedule for 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.	NPRM 6/92.
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 3/92. Final rule 9/92.
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 1/92.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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 3/92.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
<b>OCCUPATIONAL SAFETY AND HEALTH ACT</b>				
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 57593 11/13/91	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 2/4/92. Final rule 2/92.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
780-009	Occupational Exposure to Methylene Chloride 29 CFR 1910 29 CFR 1915 29 CFR 1926	ANPRM 51 FR 42257 11/24/86 NPRM 56 FR 57036 11/7/91	OSHA proposes to amend its existing regulation for occupational exposure to methylene chloride to reduce the 8-hour TWA exposure limit from 500 ppm to 25 ppm.	Comments by 4/6/92. 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.	<u>NPRM 4/92. Final rule 3/93.</u>

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

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.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 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.	Final rule 4/92.
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.	<u>Final rule 3/92.</u>

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 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.	Final rule 2/92.
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.	Decision on whether to proceed with NPRM 2/92.
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.	NPRM 2/92.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 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.	Final rule 5/92.
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.	Final rule 6/92.
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.	Final rule 4/92.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

## REGULATORY UPDATE TABLE - DECEMBER 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 Final rule 56 FR 64004 12/6/91	OSHA establishes a standard to reduce occupational exposure to Hepatitis B Virus (HBV), Human Immunodeficiency Virus (HIV) and other bloodborne pathogens through a combination of engineering and work practice controls, personal protective clothing and equipment, training, medical follow-up of exposure incidents, signs and labels, and Hepatitis B vaccination (where applicable).	<u>Effective 3/6/92.</u>
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.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 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 4/92.</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.	Final rule 6/92.
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.	Final rule 6/92.
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.	NPRM 5/92.
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.	NPRM 1993 after final PEL update is complete for construction, agriculture and maritime industries.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
<b>ENDANGERED SPECIES ACT</b>				
*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 Correction 56 FR 57503 11/12/91	The FWS revises its proposed designation for critical habitat for the northern spotted owl.	<u>Final rule 1/92.</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 ( <u>Haliaeetus leucocephalus</u> ) from endangered to threatened.	NPRM 2/92.
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, <u>Schoenocrambe argillacea</u> (clay reed-mustard) and <u>Schoenocrambe barnebyi</u> (Barneby reed-mustard) to be endangered species. The plants are located in Uinta and Emery Counties.	Final rule by 4/92.
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.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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.
200-052	Endangered and Threatened Wildlife - Mexican Spotted Owl 50 CFR 17	NPRM 56 FR 56344 11/4/91	The FWS proposes to list the Mexican spotted owl ( <u>Strix occidentalis lucida</u> ), found in Colorado, Utah, Arizona, New Mexico and Texas, as threatened under the Endangered Species Act.	Comments by 3/3/92. Final rule by 11/92.
200-053	Endangered and Threatened Wildlife - Oregon Chub	NPRM 56 FR 58348 11/19/91	The FWS proposes to list the Oregon Chub ( <u>Oregonichthys crameri</u> ), found in several counties in western Oregon, as an endangered species under the ESA.	Comments by 1/21/92. Final rule by 11/92.
*200-055	Republication of Endangered Species Lists 50 CFR 17	NOA 56 FR 64271 12/9/91	The FWS announces the republication and availability of the current Lists of Endangered and Threatened Wildlife and Plants found at 50 CFR 17.11 and 17.12.	<u>List contains all changes through 7/15/91.</u>

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
<b>MARINE PROTECTION, RESEARCH, AND SANCTUARIES ACT</b>				
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.	NPRM 11/92. Final rule 11/93.
<b>NATIONAL ENVIRONMENTAL POLICY ACT</b>				
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 2/92.
*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.	<u>Final rule 3/92.</u>
		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.	<u>Final revocation 3/92.</u>
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.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*480-018	Floodplain/Wetland Involvement - Hanford Site, WA	Notice 56 FR 65470 12/17/91	DOE proposes to construct two process water outfalls to the Columbia River in the 600 Area of the Hanford Site, Richland, WA. DOE has determined that the construction of outfall piping systems would involve activities within a designated floodplain/wetland and will prepare an environmental assessment for the proposed activity.	<u>Comments by 1/16/92.</u>
<b>ARCHEOLOGICAL RESOURCES PROTECTION ACT</b>				
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 Regulatory Agenda 56 FR 53472 10/21/91	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.	Final rule 4/92.
090-002	Curation of Federally Owned Archaeological 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.
<b>FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT</b>				
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.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 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.	Final rule 1/92.
300-007	Restricted Use Classification for Groundwater Contaminating Pesticides	Notice 55 FR 5861 2/20/90 NPRM 56 FR 22076 5/13/91 NOA 56 FR 56643 11/6/91	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.	Final rule 7/92.
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.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
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.	Final rule 6/92.
FEDERAL MINE SAFETY AND HEALTH ACT				
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.	Final rule 11/92.
*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.	<u>Final rule 10/92.</u>

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
<b>HISTORIC SITES ACT OF 1935</b>				
410-004	National Natural Landmarks - Designation of Geological and Ecological Natural Areas 36 CFR 62	ANPRM 55 FR 43384 10/29/90 NPRM 56 FR 58790 11/21/91	The National Park Service proposes to amend its regulations governing the identification, notification, evaluation, nomination, and designation of geological and ecological natural areas as National Natural Landmarks (NNLs) to ensure that landowners are fully notified and provided full program disclosure and an understanding of the consequences of NNL designation before agreeing to it.	Comments by 2/19/92.
<b>BIOTECHNOLOGY</b>				
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).	NPRM 4/92. Final rule 4/93.
<b>PACIFIC NORTHWEST ELECTRIC POWER AND CONSERVATION</b>				
810-009	Power Plan Amendments - Columbia River Basin	Notice 56 FR 23947 5/24/91  Proposed amendments 56 FR 50400 10/4/91	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.  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.	Final action by 9/15/92.  Final action by 8/9/92.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
<b>COASTAL ZONE MANAGEMENT ACT</b>				
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. Reproposed NPRM 2/92.
160-003	Implementation of 1990 Reauthorization of Coastal Zone Management Act 15 CFR 928 15 CFR 932	NOA 56 FR 27618 6/14/91 Correction 56 FR 28959 6/25/91	EPA issues proposed guidance specifying management measures for the control of non-point sources causing coastal water pollution.	Final guidance 5/92.
		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.	Final guidance 5/92.
		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.	Final rule undetermined.

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

## REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
OTHER				
*805-010	Developmental Toxicity Risk Assessment	Final guidelines 56 FR 63798 12/5/91	EPA issues final amended guidelines for assessing the risks for developmental toxicity from exposure to environmental agents. These guidelines amend and replace EPA's 1986 Guidelines for the Health Assessment of Suspect Developmental Toxicants (51 FR 34028).	<u>Guidelines effective 12/5/91.</u>
*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.	<u>Final guidelines 6/92.</u>
*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.	<u>Final guidelines 6/92.</u>
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 undetermined; may never be published.</u>

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*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.	Awaiting comments on draft revision of wetlands manual (see RU# 805-049). <u>Rulemaking action 5/92.</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 6/92.
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.
*805-049	Federal Manual for Identifying and Delineating Jurisdictional Wetlands 7 CFR 12 33 CFR 328 40 CFR 110 40 CFR 116 40 CFR 117 40 CFR 122 40 CFR 230 50 CFR Ch.I and IV	NPRM 56 FR 40446 8/14/91 Comment period extended 56 FR 65964 12/19/91  NPRM 56 FR 65964 12/19/91	EPA, in cooperation with the Departments of Defense, Agriculture, and Interior, proposes revisions to the "Federal Manual for Identifying and Delineating Jurisdictional Wetlands."  EPA, COE and the Soil Conservation Service propose to incorporate portions of the Federal Manual for Delineating Jurisdictional Wetlands into the regulations governing the agencies' wetland protection programs. The provisions proposed reflect revisions to the manual proposed on 8/14/91, and the final rule will be consistent with the final manual. In addition, field data and other technical references are made available for review and comment.	<u>Comments by 1/21/92.</u> Final rule undetermined.  <u>Comments by 1/21/92.</u>

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

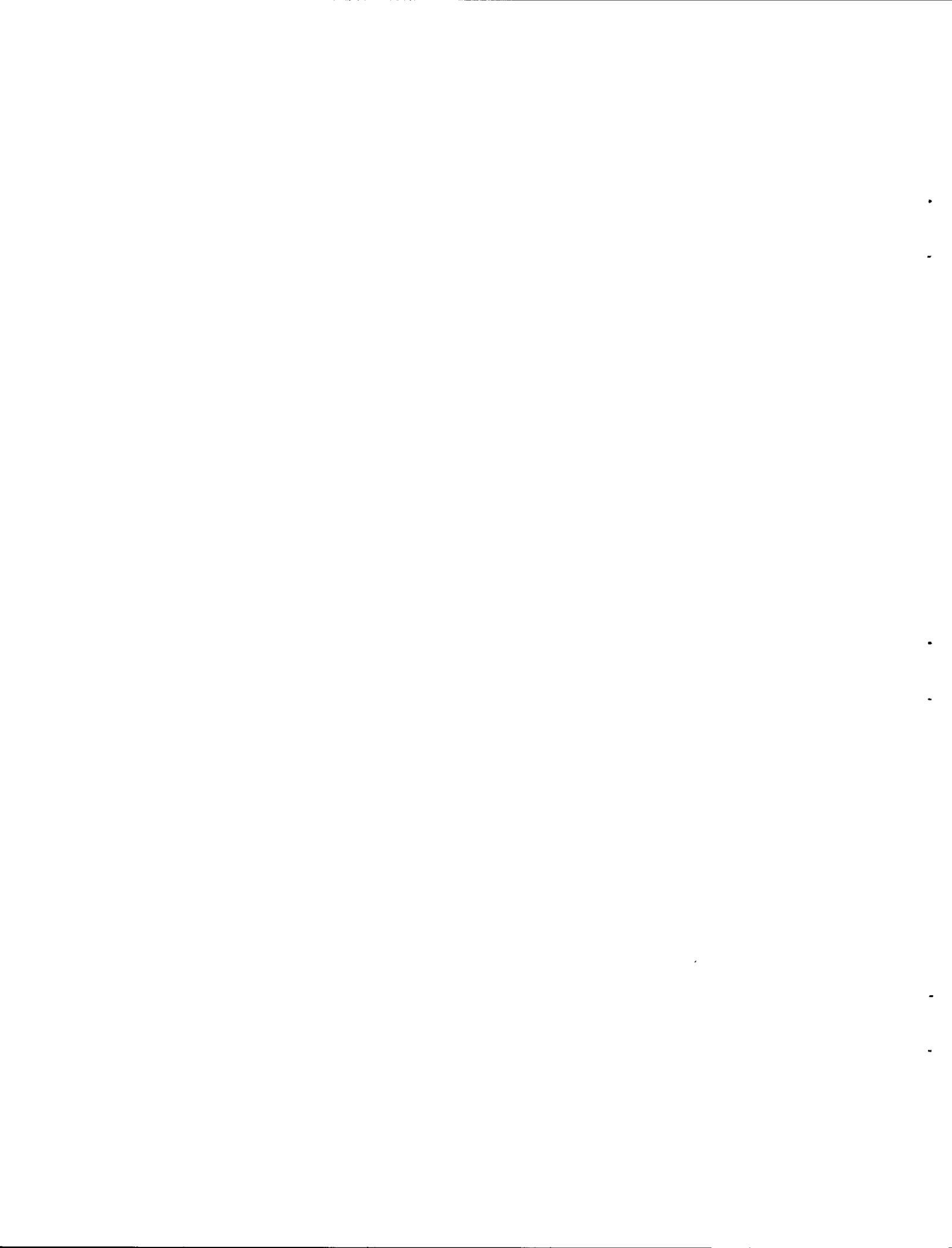
REGULATORY UPDATE TABLE - DECEMBER 1991

RU NO.	REQUIREMENT	STATUS (a)	ANTICIPATED CHANGES	SCHEDULED ACTION
*805-050	Industrial Waste Landfill; Wetlands Involvement - Oak Ridge, TN	Notice 56 FR 67069 12/27/91	DOE proposes to construct a new landfill for disposal of industrial waste and dewatered bottom ash at the Y-12 Plant in Oak Ridge, TN, and gives notice that it will prepare a wetlands assessment as part of the Environmental Assessment for the proposed landfill.	

(a) NPRM = Notice of Proposed Rulemaking; ANPRM = Advanced Notice of Proposed Rulemaking; NOI = Notice of Intent; NOA = Notice of Availability. \* Indicates a change in date of scheduled action or a new rulemaking development during the past month. Shaded RU# indicates item of special interest to EH-23.

## 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 December 31, 1991. Additions/changes are 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**

(Values current through December 31, 1991. Use only the most current version of this table.)

NAME	CASRN	ORAL RD (mg/kg/day)	INHAL RC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) <sup>-1</sup>	INHAL SLOPE FACTOR (mg/kg/day) <sup>-1</sup>
ACENAPHTHENE	000083-32-9	6E-2	--	--	--	--
ACENAPHTHYLENE	000208-96-8	--	--	D	--	--
ACEPHATE	030560-19-1	4E-3	--	C	8.7E-3	--
ACETALDEHYDE	000075-07-0	--	9E-3	B2	--	--
ACETONE	000067-64-1	1E-1	--	D	--	--
ACETONITRILE	000075-05-8	6E-3	--	--	--	--
ACETOPHENONE	000098-86-2	1E-1	--	D	--	--
ACETYL CHLORIDE	000075-36-5	--	--	D	--	--
ACROLEIN	000107-02-8	--	2E-4	C	--	--
ACRYLAMIDE	000079-06-1	2E-4	--	B2	4.5	--
ACRYLIC ACID	000079-10-7	0.08	3E-4	--	--	--
ACRYLONITRILE	000107-13-1	--	2E-4	B1	5.4E-1	--
ADIPONITRILE	000111-69-3	--	--	D	--	--
ALACHLOR	015972-60-8	1E-2	--	--	--	--
ALAR	001596-84-5	1.5E-1	--	--	--	--
ALDICARB	000116-06-3	2E-4	--	D	--	--
ALDRIN	000309-00-2	3E-5	--	B2	1.7E+1	--
ALLY	074223-64-6	2.5E-1	--	--	--	--
ALLYL ALCOHOL	000107-18-6	5E-3	--	--	--	--
ALLYL CHLORIDE	000107-05-1	--	1E-3	C	--	--
ALUMINUM PHOSPHIDE	020859-73-8	4E-4	--	--	--	--
AMDRO	067485-29-4	3E-4	--	--	--	--
AMETRYN	000834-12-8	9E-3	--	--	--	--
AMINOPYRIDINE, 4-	000504-24-5	--	--	D	--	--
AMITRAZ	033089-61-1	2.5E-3	--	--	--	--
AMMONIA	007664-41-7	--	1E-1	--	--	--
AMMONIUM ACETATE	000631-61-8	--	--	D	--	--
AMMONIUM 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 RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>	INHAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>
ANTIMONY (METALLIC)	007440-36-0	4E-4	--	--	--	--
APOLLO	074115-24-5	1.3E-2	--	C	--	--
ARAMITE	000140-57-8	--	--	B2	2.5E-2	--
ARSENIC, INORGANIC	007440-38-2	3E-4	--	A	---	--
ASBESTOS	001332-21-4	--	--	A	--	--
ASSURE	076578-14-8	9E-3	--	D	--	--
ASULAM	003337-71-1	5E-2	--	--	--	--
ATRAZINE	001912-24-9	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) <sup>-1</sup>	INHAL SLOPE FACTOR (mg/kg/day) <sup>-1</sup>
BIS(2-CHLOROISOPROPYL) ETHER	039638-32-9	4E-2	--	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	000117-81-7	2E-2	--	B2	1.4E-2	--
BIS(CHLOROETHYL) ETHER	000111-44-4	--	--	B2	1.1E+0	--
BIS(CHLOROMETHYL) ETHER	000542-88-1	--	--	A	2.2E+2	--
BISPHENOL A	000080-05-7	5E-2	--	--	--	--
BORON (BORON AND BORATES ONLY)	007440-42-8	9E-2	--	--	--	--
BROMINATED DIBENZOFURANS	NO CASRN	--	--	D	--	--
BROMOCHLOROMETHANE	000074-97-5	--	--	D	--	--
BROMODICHLOROMETHANE	000075-27-4	2E-2	--	B2	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) <sup>-1</sup>	INHAL SLOPE FACTOR (mg/kg/day) <sup>-1</sup>
CHLORANILINE, P-	000106-47-8	4E-3	--	--	--	--
CHLORDANE	000057-74-9	6E-5	--	B2	1.3E+0	--
CHLORIMURON-ETHYL	090982-32-4	2E-2	--	--	--	--
CHLORINE CYANIDE (CYANOGEN CHLORIDE)	000506-77-4	5E-2	--	--	--	--
CHLORINE DIOXIDE	010049-04-4	--	2E-4	--	--	--
CHLORO-2-METHYL PROPANE, 2- (T-BUTYLCHLORIDE)	000507-20-0	--	--	D	--	--
CHLOROACETOPHENONE, 2-	000532-27-4	--	3E-5	--	--	--
CHLOROBENZENE	000108-90-7	2E-2	--	D	--	--
CHLOROBENZILATE	000510-15-6	2E-2	--	--	--	--
CHLOROBUTANE, 1-	000109-69-3	--	--	D	--	--
CHLOROBUTANE, 2-	000078-86-4	--	--	D	--	--
CHLOROXYCLOPENTADIENE	041851-50-7	--	--	D	--	--
CHLOROETHOXY)METHANE, BIS(2-	000111-91-1	--	--	D	--	--
CHLOROFORM	000067-66-3	1E-2	--	B2	6.1E-3	--
CHLOROMETHYL METHYL ETHER	000107-30-2	--	--	A	--	--
CHLORONAPHTHALENE, BETA-	000091-58-7	8E-2	--	--	--	--
CHLOROPHENOL, 2-	000095-57-8	5E-3	--	--	--	--
CHLOROTOLUENE, 0-	000095-49-8	2E-2	--	--	--	--
CHLOROPHAM	000101-21-3	2E-1	--	--	--	--
CHLORPYRIFOS	002921-88-2	3E-3	--	--	--	--
CHLORSULFURON	064902-72-3	5E-2	--	--	--	--
CHLOROTHALONIL	001897-45-6	1.5E-2	--	--	--	--
CHROMIUM(III)	016065-83-1	1E+0	--	--	--	--
CHROMIUM(VI)	018540-29-9	5E-3	--	A	--	--
CHRYSENE	000218-01-9	--	--	B2	--	--
COAL TAR (COKE OVEN EMISSIONS)	008007-45-2	--	--	A	--	--
COPPER	007440-50-8	--	--	D	--	--
COPPER CYANIDE	000544-92-3	5E-3	--	--	--	--
CREOSOTE, COAL TAR	008001-58-9	--	--	B1	--	--
CROTONALDEHYDE	000123-73-9	--	--	C	--	--
CYROMAZINE	066215-27-8	7.5E-3	--	--	--	--
CUMENE	000098-82-8	4E-2	--	--	--	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>	INHAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>
CYANAZINE	021725-46-2	2E-3	--	--	--	--
CYANIDE (CN-)	000057-12-5	2E-2	--	D	--	--
CYANOGEN	000460-19-5	4E-2	--	--	--	--
CYANOGEN BROMIDE	000506-68-3	9E-2	--	--	--	--
CYANOGEN CHLORIDE (CHLORINE CYANIDE)	000506-77-4	5E-2	--	--	--	--
CYCLOHEXANONE	000108-94-1	5E+0	--	--	--	--
CYCLOHEXYLAMINE	000108-91-8	2E-1	--	--	--	--
CYHALOTHRIN/KARATE	068085-85-8	5E-3	--	--	--	--
CYPERMETHRIN	052315-07-8	1E-2	--	--	--	--
DALAPON, SODIUM SALT	000075-99-0	3E-2	--	--	--	--
DDD	000072-54-8	--	--	B2	2.4E-1	--
DDE	000072-55-9	--	--	B2	3.4E-1	--
DDT (DICHLORODIPHENYL- TRICHLOROETHANE, P,P'-)	000050-29-3	5E-4	--	B2	3.4E-1	--
DECABROMODIPHENYL ETHER	001163-19-5	1E-2	--	C	--	--
DEMETON	008065-48-3	4E-5	--	--	--	--
DI-(2-ETHYLHEXYL)ADIPATE	000103-23-1	--	--	C	1.2E-3	--
DIBENZ(A,H)ANTHRACENE	000053-70-3	--	--	B2	--	--
DIBENZOFURAN	000132-64-9	--	--	D	--	--
DIBROMOBENZENE, 1,4-	000106-37-6	1E-2	--	--	--	--
DIBROMOCHLOROMETHANE	000124-48-1	2E-2	--	C	8.4E-2	--
DIBROMODICHLOROMETHANE	000594-18-3	--	--	D	--	--
<del>DIBROMO 3-CHLOROPROPANE 1,2</del>	<del>000096-12-8</del>	<del>--</del>	<del>2E-4</del>	<del>--</del>	<del>--</del>	<del>--</del>
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	--

NAME	CASRN	ORAL RD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) <sup>-1</sup>	INHAL SLOPE FACTOR (mg/kg/day) <sup>-1</sup>
DICHLOROETHYLENE, CIS-1,2,-	000156-59-2	--	--	D	--	--
DICHLOROETHYLENE, 1,2-T-	000156-60-5	2E-2	--	--	--	--
DICHLOROETHYLENE, 1,1-	000075-35-4	9E-3	--	C	6E-1	--
DICHLOROMETHANE (METHYLENE CHLORIDE)	000075-09-2	6E-2	--	B2	7.5E-3	--
DICHLOROPHENOL, 2,4-	000120-83-2	3E-3	--	--	--	--
DICHLOROPHENOXYACETIC ACID, 2,4-	000094-75-7	1E-2	--	--	--	--
DICHLOROPHENOXY)BUTYRIC ACID, 4-(2,4-	000094-82-6	8E-3	--	--	--	--
DICHLOROPROPANE, 1,2-	000078-87-5	3E-3	4E-3	--	--	--
DICHLOROPROPANOL, 2,3-	000616-23-9	3E-3	--	--	--	--
DICHLOROPROPENE, 1,3-	000542-75-6	3E-4	2E-2	B2	--	--
DICHLORVOS	000062-73-7	8E-4	--	B2	2.9E-1	--
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	--	--
DIMETHYL SULFATE	000077-78-1	--	--	B2	--	--
DIMETHYLTEREPHTHALATE	000120-61-6	1E-1	--	--	--	--
DINITRO-O-CYCLOHEXYL PHENOL, 4,6-	000131-89-5	2E-3	--	--	--	--
DINITROBENZENE, 1,3-	000099-65-0	1E-4	--	D	--	--
DINITROPHENOL, 2,4-	000051-28-5	2E-3	--	--	--	--
DINITROTOLUENE MIXTURE	NO CASRN	--	--	B2	6.8E-1	--
DINOSEB	000088-85-7	1E-3	--	D	--	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) <sup>-1</sup>	INHAL SLOPE FACTOR (mg/kg/day) <sup>-1</sup>
DIOXANE, 1,4-	000123-91-1	--	--	B2	1.1E-2	--
DIPHENAMID	000957-51-7	3E-2	--	--	--	--
DIPHENYLAMINE	000122-39-4	2.5E-2	--	--	--	--
DIPHENYLHYDRAZINE, 1,2-	000122-66-7	--	--	B2	8.0E-1	--
DIQUAT	000085-00-7	2.2E-3	--	--	--	--
DISULFOTON	000298-04-4	4E-5	--	--	--	--
DITHIANE, 1,4-	000505-29-3	--	--	D	--	--
DIURON	000330-54-1	2E-3	--	--	--	--
DODINE	002439-10-3	4E-3	--	--	--	--
ENDOSULFAN	000115-29-7	5E-5	--	--	--	--
ENDOTHALL	000145-73-3	2E-2	--	--	--	--
ENDRIN	000072-20-8	3E-4	--	D	--	--
EPOCHLOROHYDRIN	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	--	--	--	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>	INHAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>
FLURIDONE	059756-60-4	8E-2	--	--	--	--
FLURPRIMIDOL	056425-91-3	2E-2	--	--	--	--
FLUTOLANIL	066332-96-5	6E-2	--	--	--	--
FLUVALINATE	069409-94-5	1E-2	--	--	--	--
FOLPET	000133-07-3	1E-1	--	B2	3.5E-3	--
FOMESAFEN	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	--	--	--	--
GLYCIDALDEHYDE	000765-34-4	4E-4	--	B2	--	--
GLYPHOSATE	001071-83-6	1E-1	--	D	--	--
GOAL (OXYFLUORFEN)	042874-03-3	3E-3	--	--	--	--
HALOXYFOP-METHYL	069806-40-2	5E-5	--	--	--	--
HARMONY	079277-27-3	1.3E-2	--	--	--	--
HEPTACHLOR	000076-44-8	5E-4	--	B2	4.5E+0	--
HEPTACHLOR EPOXIDE	001024-57-3	1.3E-5	--	B2	9.1E+0	--
HEXABROMOBENZENE	000087-82-1	2E-3	--	--	--	--
HEXABROMODIPHENYL ETHER	036483-60-0	--	--	D	--	--
HEXACHLOROBENZENE	000118-74-1	8E-4	--	B2	1.6	--
HEXACHLOROBUTADIENE	000087-68-3	2E-3	--	C	7.8E-2	--
HEXACHLOROCYCLOHEXANE, ALPHA-	000319-84-6	--	--	B2	6.3E+0	--
HEXACHLOROCYCLOHEXANE, BETA	000319-85-7	--	--	C	1.8E+0	--
HEXACHLOROCYCLOHEXANE, GAMMA-	000058-89-9	3E-4	--	--	--	--
HEXACHLOROCYCLOHEXANE, EPSILON-	006108-10-7	--	--	D	--	--
HEXACHLOROCYCLOHEXANE, DELTA-	000319-86-8	--	--	D	--	--
HEXACHLOROCYCLOHEXANE, TECHNICAL-	000608-73-1	--	--	B2	1.8E+0	--

NAME	CASRN	ORAL RD (mg/kg/day)	INHAL RC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>	INHAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>
HEXACHLOROCYCLOPENTADIENE	000077-47-4	7E-3	--	D	--	--
HEXACHLORODIBENZO-P-DIOXIN MIXTURE	019408-74-3	--	--	B2	6.2E+3	--
HEXACHLOROETHANE	000067-72-1	1E-3	--	C	1.4E-2	--
HEXACHLOROPHENE	000070-30-4	3E-4	--	--	--	--
HEXAHYDRO-1,3,5-TRINITRO-1,3,5- TRIAZINE	000121-82-4	3E-3	--	C	1.1E-1	--
HEXANE, N	000110-54-3	--	2E-1	--	--	--
HEXAZINONE	051235-04-2	3.3E-2	--	--	--	--
HYDRAZINE	000302-01-2	--	--	B2	3.0	--
HYDROGEN CYANIDE	000074-90-8	2E-2	--	--	--	--
HYDROGEN CHLORIDE	007647-01-0	--	7E-3	--	--	--
HYDROGEN SULFIDE	007783-06-4	3E-3	9E-4	--	--	--
IMAZALIL	035554-44-0	1.3E-2	--	--	--	--
IMAZAQUIN	081335-37-7	2.5E-1	--	--	--	--
INDENO(1,2,3-CD)PYRENE	000193-39-5	--	--	B2	--	--
IPRODIONE	036734-19-7	4E-2	--	--	--	--
ISOBUTYL ALCOHOL	000078-83-1	3E-1	--	--	--	--
ISOPHORONE	000078-59-1	2E-1	--	C	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	--	--	--	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) <sup>-1</sup>	INHAL SLOPE FACTOR (mg/kg/day) <sup>-1</sup>
MCPB	000094-81-5	1E-2	--	--	--	--
MCPP	000093-65-2	1E-3	--	--	--	--
MEPIQUAT CHLORIDE	024307-26-4	3E-2	--	--	--	--
MERCURY, INORGANIC	007439-97-6	--	--	D	--	--
MERPHOS	000150-50-5	3E-5	--	--	--	--
MERPHOS OXIDE	000078-48-8	3E-5	--	--	--	--
METALAXYL	057837-19-1	6E-2	--	--	--	--
METHACRYLONITRILE	000126-98-7	1E-4	--	--	--	--
METHAMIDOPHOS	010265-92-6	5E-5	--	--	--	--
METHANOL	000067-56-1	5E-1	--	--	--	--
METHIDATHION	000950-37-8	1E-3	--	C	--	--
METHOMYL	016752-77-5	2.5E-2	--	--	--	--
METHOXYCHLOR	000072-43-5	5E-3	--	D	--	--
METHOXYETHANOL, 2-	000109-86-4	--	2E-2	--	--	--
METHYL ACRYLATE	000096-33-3	--	--	D	--	--
METHYL ETHYL KETONE	000078-93-3	--	--	D	--	--
METHYL ISOBUTYL KETONE	000108-10-1	--	--	--	--	--
METHYL MERCURY	022967-92-6	3E-4	--	--	--	--
METHYL PARATHION	000298-00-0	2.5E-4	--	--	--	--
METHYL TERT-BUTYL ETHER	001634-04-4	5E-1	5E-1	--	--	--
METHYLPHENOL, 2- (O-CRESOL)	000095-48-7	5E-2	--	C	--	--
METHYLPHENOL, 3- (M-CRESOL)	000108-39-4	5E-2	--	C	--	--
METHYLPHENOL, 4- (P-CRESOL)	000106-44-5	--	--	C	--	--
METHYLENE CHLORIDE (DICHLOROMETHANE)	000075-09-2	6E-2	--	B2	7.5E-3	--
METHYLENE-BIS(N,N-DIMETHYL) ANILINE, 4,4'-	000101-61-1	--	--	B2	4.6E-2	--
METOACHLOR	051218-45-2	1.5E-1	--	C	--	--
METRIBUZIN	021087-64-9	2.5E-2	--	--	--	--
MIREX	002385-85-5	2E-6	--	--	--	--
MOLINATE	002212-67-1	2E-3	--	--	--	--
NALED	000300-76-5	2E-3	--	--	--	--
NAPHTHALENE	000091-20-3	--	--	D	--	--
NAPROPAMIDE	015299-99-7	1E-1	--	--	--	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) <sup>-1</sup>	INHAL SLOPE FACTOR (mg/kg/day) <sup>-1</sup>
NICKEL CARBONYL	013463-39-3	--	--	B2	--	--
NICKEL SUBSULFIDE	012035-72-2	--	--	A	--	--
NICKEL (SOLUBLE SALTS)	007440-02-0	2E-2	--	--	--	--
NICKEL REFINERY DUST	NO CASRN	--	--	A	--	--
NITAPYRIN	001929-82-4	1.5E-3	--	--	--	--
NITRATE	014797-55-8	1.6E+0	--	--	--	--
NITRIC OXIDE	010102-43-9	1E-1	--	--	--	--
NITRITE	014797-65-0	1E-1	--	--	--	--
NITROBENZENE	000098-95-3	5E-4	--	D	--	--
NITROGEN DIOXIDE	010102-44-0	1E+0	--	--	--	--
NITROGUANIDINE	000556-88-7	1E-1	--	D	--	--
NITROPROPANE, 2-	000079-46-9	--	2E-2	--	--	--
NITROSO-DI-N-PROPYLAMINE, N-	000621-64-7	--	--	B2	7.0	--
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	--	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) <sup>-1</sup>	INHAL SLOPE FACTOR (mg/kg/day) <sup>-1</sup>
PENTACHLOROBENZENE	000608-93-5	8E-4	--	--	--	--
PENTACHLOROCYCLOPENTADIENE	025329-35-5	--	--	D	--	--
PENTACHLORONITROBENZENE	000082-68-8	3E-3	--	--	--	--
PENTACHLOROPHENOL	000087-86-5	3E-2	--	B2	1.2E-1	--
PERMETHRIN	052645-53-1	5E-2	--	--	--	--
PHENANTHRENE	000085-01-8	--	--	D	--	--
PHENMEDIPHAM	013684-63-4	2.5E-1	--	--	--	--
PHENOL	000108-95-2	6E-1	--	D	--	--
PHENYLENEDIAMINE, M-	000108-45-2	6E-3	--	--	--	--
PHENYLMERCURIC ACETATE	000062-38-4	8E-5	--	--	--	--
PHOSMET	000732-11-6	2E-2	--	--	--	--
PHOSPHINE	007803-51-2	3E-4	--	--	--	--
PTHALIC ANHYDRIDE	000085-44-9	2E+0	--	--	--	--
PICLORAM	001918-02-1	7E-2	--	--	--	--
PIRIMIPOS-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- TRICHLOROPHOXY)-	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	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) <sup>-1</sup>	INHAL SLOPE FACTOR (mg/kg/day) <sup>-1</sup>
PURSUIT	081335-77-5	2.5E-1	--	--	--	--
PYDRIN	051630-58-1	2.5E-2	--	--	--	--
PYRENE	000129-00-0	3E-2	--	D	--	--
PYRIDINE	000110-86-1	1E-3	--	--	--	--
QUINALPHOS	013593-03-8	5E-4	--	--	--	--
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	<del>5E-3</del>	--	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	--	--	--	--

NAME	CASRN	ORAL RD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>	INHAL SLOPE FACTOR (mg/kg/day) <sup>1</sup>
TETRACHLOROCYCLOPENTADIENE	000695-77-2	--	--	D	--	--
TETRACHLOROETHANE, 1,1,1,2-	000630-20-6	3E-2	--	C	2.6E-2	--
TETRACHLOROETHANE, 1,1,2,2-	000079-34-5	--	--	C	2.0E-1	--
TETRACHLOROETHYLENE, 1,1,2,2-	000127-18-4	1E-2	--	--	--	--
TETRACHLOROPHENOL, 2,3,4,6-	000058-90-2	3E-2	--	--	--	--
TETRACHLOROTEREPHTHALIC ACID, 2,3,5,6-, DIMETHYL ESTER (DACTHAL)	001861-32-1	5E-1	--	--	--	--
TETRAETHYL LEAD	000078-00-2	1E-7	--	--	--	--
TETRAETHYLDITHIOPYROPHOSPHATE	003689-24-5	5E-4	--	--	--	--
THALLIC OXIDE	001314-32-5	--	--	D	--	--
THALLIUM (I) ACETATE	000563-68-8	9E-5	--	D	--	--
THALLIUM (I) CARBONATE	006533-73-9	8E-5	--	D	--	--
THALLIUM (I) CHLORIDE	007791-12-0	8E-5	--	D	--	--
THALLIUM (I) NITRATE	010102-45-1	9E-5	--	D	--	--
THALLIUM SELENITE	012039-52-0	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	--	--
TRIBUTYL TIN OXIDE	000056-35-9	3E-5	--	--	--	--
TRICHLORO-1,2,2- TRIFLUOROETHANE, 1,1,2-	000076-13-1	3E+1	--	--	--	--
TRICHLOROBENZENE, 1,2,4-	000120-82-1	--	--	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	--

NAME	CASRN	ORAL RfD (mg/kg/day)	INHAL RfC (mg/cu m)	EPA GROUP	ORAL SLOPE FACTOR (mg/kg/day) <sup>-1</sup>	INHAL SLOPE FACTOR (mg/kg/day) <sup>-1</sup>
TRICHLOROETHYLENE	000079-01-6	--	--	--	--	--
TRICHLOROFLUOROMETHANE	000075-69-4	3E-1	--	--	--	--
TRICHLOROPHENOL, 2,4,5-	000095-95-4	1E-1	--	--	--	--
TRICHLOROPHENOL, 2,4,6-	000088-06-2	--	--	B2	1.1E-2	--
TRICHLOROPHENOXYACETIC ACID, 2,4,5-	000093-76-5	1E-2	--	--	--	--
TRICHLOROPROPANE, 1,1,2-	000598-77-6	5E-3	--	--	--	--
TRICHLOROPROPANE, 1,2,3-	000096-18-4	6E-3	--	--	--	--
TRIDIPHANE	058138-08-2	3E-3	--	--	--	--
TRIETHYLAMINE	000121-44-8	--	7E-3	--	--	--
TRIFLURALIN	001582-09-8	7.5E-3	--	C	7.7E-3	--
TRINITROBENZENE, 1,3,5-	000099-35-4	5E-5	--	--	--	--
TRINITROTOLUENE, 2,4,6-	000118-96-7	5E-4	--	C	3.0E-2	--
URANIUM, 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**

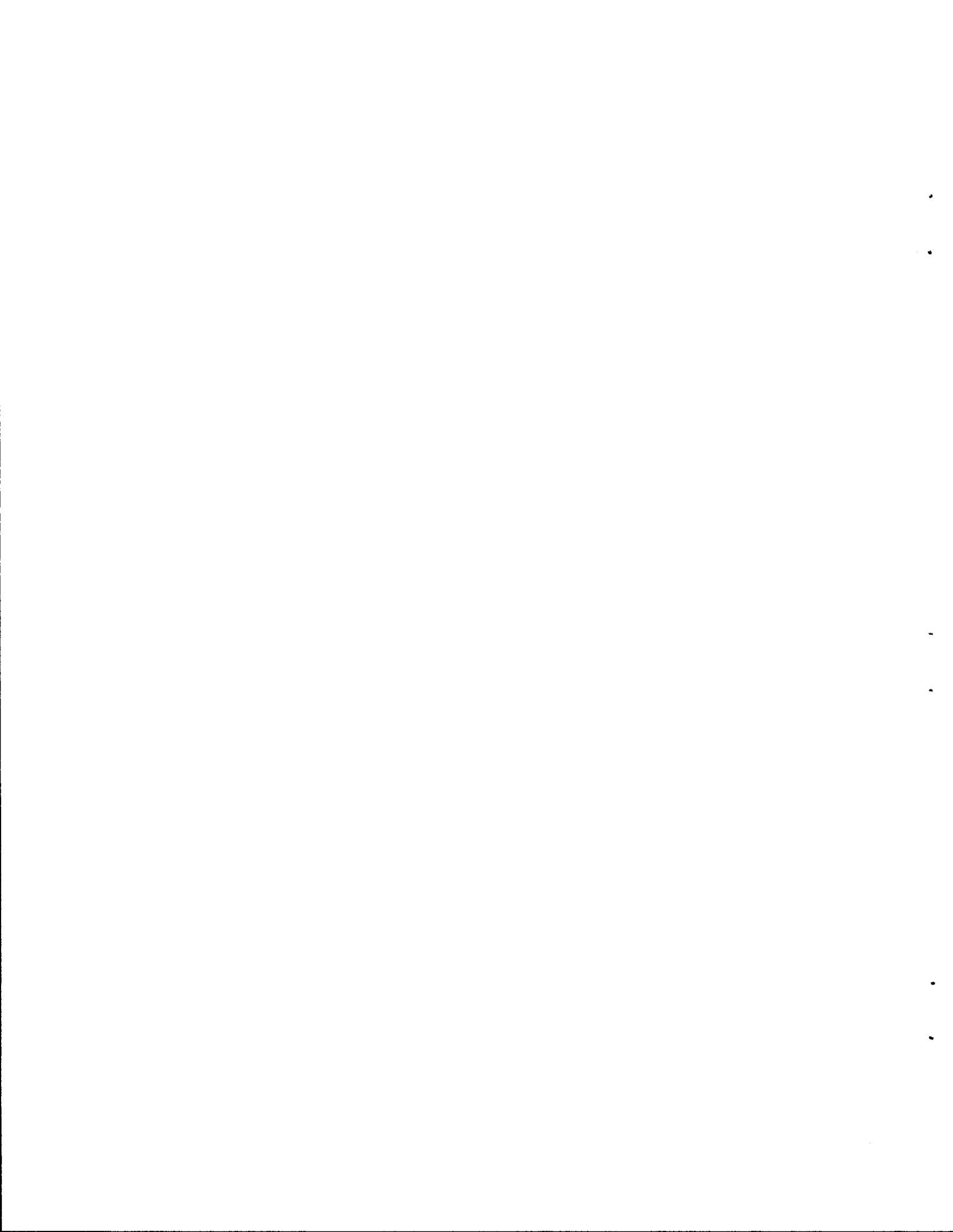
Limited evidence in human studies

**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**



ALPHABETICAL INDEX TO STATUTES  
INDEX TO RU NUMBERS BY CFR CITATION

December 1991

CFR CITATION	RU NUMBER	PAGE	CFR CITATION	RU NUMBER	PAGE	
<b>ARCHEOLOGICAL RESOURCES PROTECTION ACT</b>				100-275		
18 CFR 1312	090-001	81	10 CFR 140	100-287		
32 CFR 229	090-001		10 CFR 150	100-053		
36 CFR 79	090-002		10 CFR 170	100-287		
36 CFR 296	090-001		10 CFR 725	100-287		
43 CFR 7	090-001		10 CFR 830	100-256		
			10 CFR 834	100-290		
			10 CFR 835	100-284		
<b>ATOMIC ENERGY ACT</b>				100-289		
10 CFR 2	100-174	47	40 CFR 191	100-129		
	100-277		40 CFR 194	100-018		
	100-287					
10 CFR 20	100-039		<b>BIOTECHNOLOGY</b>			84
	100-041		40 CFR 704	110-005		
	100-186		40 CFR 720	110-005		
10 CFR 26	100-179		40 CFR 721	110-005		
10 CFR 30	100-186					
	100-276		<b>CLEAN AIR ACT</b>			33
	100-288		40 CFR Ch. 1	120-155		
10 CFR 31	100-249		40 CFR 50	120-005		
10 CFR 32	100-249		40 CFR 50.8	120-084		
10 CFR 36	100-187		40 CFR 50.9	120-006		
10 CFR 40	100-186		40 CFR 50.11	120-083		
	100-276		40 CFR 50.12	120-148		
	100-287		40 CFR 51	120-005		
	100-288			120-010		
10 CFR 50	100-131			120-113		
	100-174			120-171		
	100-210		40 CFR 51.100	120-186		
	100-214	40 CFR 52	120-008			
	100-222		120-010			
	100-224		120-075			
	100-258		120-171			
	100-279	40 CFR 58	120-186			
10 CFR 50-51	100-287		120-005			
10 CFR 51	100-033	40 CFR 60	120-170			
	100-265		120-116			
10 CFR 54	100-174	40 CFR 61	120-158			
10 CFR 70	100-186		120-055			
	100-234		120-117			
	100-276		120-118			
	100-287	40 CFR 63	120-149			
	100-288		120-093			
10 CFR 71	100-157		120-103			
10 CFR 72	100-234		120-149			
	100-276		120-166			
	100-288		120-167			
10 CFR 73	100-234		120-168			
10 CFR 75	100-234		120-176			
	100-287		120-177			
10 CFR 110	100-252		120-181			
			120-183			

CFR CITATION	RU NUMBER	PAGE	CFR CITATION	RU NUMBER	PAGE
	120-184		<b>COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT</b>		13
40 CFR 70	120-187		15 CFR Ch. IX	180-107	
	120-172				
40 CFR 71	120-173		40 CFR undetermined	180-106	
	120-172		40 CFR 2	180-096	
40 CFR 72	120-173		40 CFR 117	180-042	
40 CFR 73	120-189			180-105	
40 CFR 75	120-189		40 CFR 300	180-092	
40 CFR 77	120-189			180-096	
40 CFR 81	120-180			180-111	
	120-188			180-113	
40 CFR 82	120-065			180-114	
	120-084			180-120	
40 CFR 88	120-175			180-122	
			40 CFR 300.66	180-112	
CFR undetermined	120-178		40 CFR 302	180-042	
				180-056	
<b>CLEAN WATER ACT</b>		26		180-072	
33 CFR 330	140-115			180-105	
			40 CFR 302.4	180-119	
40 CFR undetermined	140-108		40 CFR 307	180-031	
40 CFR Subchapter N	140-109		40 CFR 308	180-096	
40 CFR 112	140-092		40 CFR 310	180-065	
40 CFR 122	140-039		40 CFR 355	180-042	
	140-077			180-072	
	140-085			180-105	
40 CFR 122.21(j)	140-084		40 CFR 373	180-088	
40 CFR 122-124	140-103				
40 CFR 122-125	140-067		43 CFR 11	180-025	
40 CFR 123	140-077			180-077	
40 CFR 124	140-039				
40 CFR 125	140-039		<b>ENDANGERED SPECIES ACT</b>		78
	140-110		50 CFR 17	200-032	
40 CFR 130	140-077			200-039	
40 CFR 131	140-066			200-048	
	140-076			200-049	
40 CFR 136	140-018			200-052	
	140-089			200-055	
	140-116		50 CFR 227	200-050	
40 CFR 230	140-104				
40 CFR 231	140-041		<b>FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT</b>		81
40 CFR 232.2(q)	140-111		40 CFR 156	300-004	
40 CFR 233	140-104		40 CFR 165	300-003	
40 CFR 257	140-035		40 CFR 170	300-004	
40 CFR 260	140-116		40 CFR 171	300-021	
40 CFR 261	140-116		40 CFR 172	300-014	
40 CFR 300.440	140-095				
40 CFR 403	140-067		<b>FEDERAL MINE SAFETY AND HEALTH ACT</b>		83
40 CFR 414	140-095		30 CFR 46	330-006	
40 CFR 434	140-067		30 CFR 56	330-006	
40 CFR 501	140-067		30 CFR 56-58	330-005	
	140-103		30 CFR 57	330-006	
40 CFR 503	140-035		30 CFR 70-72	330-005	
			30 CFR 75	330-005	
<b>COASTAL ZONE MANAGEMENT ACT</b>		85	30 CFR 77	330-006	
15 CFR 921	160-002		30 CFR 90	330-005	
15 CFR 928	160-003				
15 CFR 932	160-003				

CFR CITATION	RU NUMBER	PAGE	CFR CITATION	RU NUMBER	PAGE
<b>HAZARDOUS MATERIALS TRANSPORTATION ACT</b>			10 CFR 61	740-021	
46 CFR 148	400-080	61	40 CFR 193	740-003	
46 CFR 151	400-094		40 CFR 764	740-003	
46 CFR 153	400-094		<b>MARINE PROTECTION, RESEARCH, AND SANCTUARIES ACT</b>		
49 CFR 107	400-123		40 CFR 225	460-001	80
49 CFR 171	400-033		40 CFR 227	460-001	
	400-062		40 CFR 228	460-001	
	400-073				
	400-095		<b>NATIONAL ENVIRONMENTAL POLICY ACT</b>		
49 CFR 171-178	400-040		10 CFR 1021	480-015	80
	400-093				
49 CFR 171-179	400-044		40 CFR 1500-1508	480-015	
49 CFR 172	400-033		<b>NUCLEAR WASTE POLICY ACT</b>		
	400-073		10 CFR 60	700-022	44
	400-079			700-069	
	400-095			700-074	
49 CFR 173	400-102		<b>OCCUPATIONAL SAFETY AND HEALTH ACT</b>		
	400-033		29 CFR 1904	780-059	70
	400-057		29 CFR 1910	780-006	
	400-062			780-009	
	400-079			780-015	
	400-095			780-026	
49 CFR 173.177	400-118			780-028	
49 CFR 174	400-061			780-029	
49 CFR 174-177	400-033			780-041	
49 CFR 175	400-102			780-042	
	400-033			780-044	
49 CFR 176	400-073			780-045	
49 CFR 177	400-033			780-047	
	400-062			780-049	
49 CFR 178	400-033			780-052	
49 CFR 179	400-033			780-054	
49 CFR 192	400-039			780-057	
	400-063			780-058	
	400-064			780-060	
	400-097			780-061	
	400-099			780-062	
	400-112			780-063	
	400-113			780-064	
	400-121		29 CFR 1910.134	780-011	
49 CFR 195	400-039		29 CFR 1910.146	780-051	
	400-063		29 CFR 1910.1000	780-025	
	400-064		29 CFR 1915	780-009	
	400-110		29 CFR 1915.152	780-011	
	400-112		29 CFR 1918.102	780-011	
	400-120		29 CFR 1926	780-009	
49 CFR 397	400-061			780-015	
				780-020	
				780-021	
				780-026	
				780-044	
				780-011	
			29 CFR 1926.103	780-011	
<b>HISTORIC SITES ACT OF 1935</b>					
36 CFR 62	410-004	84			
<b>LOW-LEVEL RADIOACTIVE WASTE (LLW) POLICY AMENDMENTS ACT</b>					
10 CFR 2	740-004	45	<b>OTHER</b>		
10 CFR 20	740-004		7 CFR 12	805-049	86
	740-013				
	740-019		10 CFR 1046	805-048	
	740-021				

CFR CITATION	RU NUMBER	PAGE	CFR CITATION	RU NUMBER	PAGE
33 CFR 328	805-049			840-175	
				840-176	
40 CFR 110	805-049			840-248	
40 CFR 116	805-049			840-251	
40 CFR 117	805-049		40 CFR 264.75	840-294	
40 CFR 122	805-049		40 CFR 265	840-024	
40 CFR 230	805-049			840-056	
				840-107	
44 CFR 335	805-037			840-109	
				840-133	
50 CFR Ch.1 and IV	805-049			840-135	
				840-138	
<b>POLLUTION PREVENTION ACT</b>		21		840-142	
40 CFR 372	195-002			840-173	
				840-248	
				840-251	
<b>RESOURCE CONSERVATION AND RECOVERY ACT</b>		1		840-297	
10 CFR 51	100-265		40 CFR 266	840-056	
				840-306	
				840-307	
40 CFR undetermined	840-189			840-146	
40 CFR 124	840-138		40 CFR 268	840-173	
40 CFR 144	840-138			840-193	
40 CFR 239	840-287			840-305	
40 CFR 256-258	840-296			840-300	
40 CFR 257	840-051		40 CFR 268.5	840-056	
40 CFR 258	840-051		40 CFR 270	840-107	
40 CFR 259	840-244			840-109	
40 CFR 260	840-009			840-131	
	840-024			840-133	
	840-056			840-135	
	840-109			840-138	
	840-138			840-149	
	840-171			840-171	
	840-173			840-173	
	840-251			840-175	
40 CFR 260.22	840-221			840-176	
40 CFR 260-262	840-195			840-286	
40 CFR 261	840-009		40 CFR 270.41	840-195	
	840-056		40 CFR 270-271	840-009	
	840-107		40 CFR 271	840-024	
	840-173			840-056	
	840-267			840-109	
	840-268			840-131	
	840-288			840-133	
	840-306			840-180	
	840-307			840-267	
40 CFR 262	840-173			840-268	
40 CFR 262.41	840-294			840-295	
40 CFR 264	840-024			840-294	
	840-056		40 CFR 271.10	840-151	
	840-107		40 CFR 271.15	840-151	
	840-109		40 CFR 271.16	840-185	
	840-131		40 CFR 280	840-230	
	840-133			840-248	
	840-135			840-230	
	840-138		40 CFR 281	840-009	
	840-142		40 CFR 302	840-195	
	840-148			840-267	
	840-149			840-268	
	840-171				
	840-173				

CFR CITATION	RU NUMBER	PAGE	CFR CITATION	RU NUMBER	PAGE
40 CFR 761	840-248		<b>URANIUM MILL TAILINGS RADIATION CONTROL ACT</b>		57
40 CFR 264-265	840-195			10 CFR 764	
<b>SAFE DRINKING WATER ACT</b>		22	40 CFR 192	930-029	
40 CFR 35	880-030			930-038	
40 CFR 141	880-007				
	880-010				
	880-011				
	880-013				
	880-034				
	880-046				
	880-047				
	880-050				
	880-053				
	880-058				
40 CFR 142	880-007				
	880-010				
	880-011				
	880-013				
	880-034				
	880-047				
40 CFR 143	880-010				
	880-013				
40 CFR 144	880-027				
	880-049				
40 CFR 145	880-049				
40 CFR 146	880-027				
	880-049				
	880-056				
<b>SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT</b>		19			
40 CFR Ch. 1	190-014				
40 CFR 28	190-059				
40 CFR 35	190-014				
40 CFR 300	190-014				
40 CFR 305	190-042				
40 CFR 355	190-056				
40 CFR 372	190-051				
	190-053				
	190-060				
40 CFR 373	190-038				
<b>TOXIC SUBSTANCES CONTROL ACT</b>		57			
40 CFR Chapter I	920-126				
40 CFR 372	190-061				
40 CFR 704	920-064				
40 CFR 721	920-124				
40 CFR 750	920-124				
40 CFR 761	920-076				
	920-119				
	920-125				
	920-132				
40 CFR 790	920-053				
40 CFR 795	920-123				
40 CFR 798	920-130				
40 CFR 799	920-113				
	920-123				
	920-129				
CFR undetermined	920-127				



## INTERNAL DISTRIBUTION

- |        |                     |          |                                  |
|--------|---------------------|----------|----------------------------------|
| 1.     | Vince Adams         | 54.      | Allen Lewis                      |
| 2.     | Jean Al-Shaakir-Ali | 55.      | K. H. Lin                        |
| 3.     | M. L. Ambrose       | 56.      | C. A. Little                     |
| 4.     | C. F. Baes          | 57.      | Doug Lombardi                    |
| 5.     | F. P. Baxter        | 58.      | L. W. Long                       |
| 6.     | B. A. Berven        | 59.      | J. A. Martin                     |
| 7.     | T. J. Blasing       | 60.      | M. P. Maskarines                 |
| 8.     | Gary Bodenstein     | 61.      | E. W. McDaniels                  |
| 9.     | H. M. Braunstein    | 62.      | E. P. McDonald                   |
| 10.    | K. J. Brown         | 63.      | P. L. McKenny                    |
| 11.    | David Buhaly        | 64.      | L. J. Mezga                      |
| 12.    | E. W. Carroll       | 65.      | R. L. Miller                     |
| 13.    | L. B. Cobb          | 66.      | M. E. Mitchell                   |
| 14.    | Rick Collier        | 67.      | Debbie Mohrbacher                |
| 15.    | K. W. Cook          | 68.      | N. B. Munro                      |
| 16.    | N. H. Cutshall      | 69.      | F. E. Myer                       |
| 17.    | N. S. Dailey        | 70.      | C. E. Nix                        |
| 18.    | J. A. Darling       | 71-74.   | P. T. Owen                       |
| 19.    | D. L. Daugherty     | 75.      | W. H. Pechin                     |
| 20-21. | B. J. Davis         | 76.      | T. P. Perry                      |
| 22.    | L. A. Eaton         | 77.      | M. L. Poutsma                    |
| 23.    | G. K. Eddlemon      | 78.      | R. R. Rawl                       |
| 24.    | C. H. Estes         | 79.      | R. M. Reed                       |
| 25.    | E. L. Etnier        | 80.      | Suzi Riddle                      |
| 26.    | Paula Flowers       | 81.      | T. H. Row                        |
| 27.    | M. W. Francis       | 82.      | M. S. Salk                       |
| 28.    | A. F. Fredrick      | 83.      | C. J. Satterwhite                |
| 29.    | K. V. Gabrielson    | 84.      | Pat Schofield                    |
| 30.    | S. B. Garland       | 85.      | C. A. Schrof                     |
| 31.    | S. M. Glenn         | 86.      | F. E. Sharples                   |
| 32.    | C. D. Goins, Jr.    | 87.      | C. F. Sigmon                     |
| 33.    | Carol Hardy         | 88.      | Danae Sims                       |
| 34.    | G. T. Hawkins       | 89.      | D. W. Swindle                    |
| 35.    | J. L. Haymore       | 90-91.   | M. F. Tardiff                    |
| 36.    | C. L. Heckman       | 92.      | W. A. Thomas                     |
| 37.    | C. C. Hill          | 93.      | W. T. Thompson                   |
| 38.    | R. R. Hinton        | 94.      | C. S. Tucker                     |
| 39.    | S. K. Holladay      | 95.      | C. K. Valentine                  |
| 40.    | L. M. Houlberg      | 96.      | J. E. Van Cleve                  |
| 41.    | P. S. Hovatter      | 97.      | S. W. Wiley                      |
| 42.    | Wendy Hudson        | 98.      | D. J. Wilkes                     |
| 43.    | Mallory Humphreys   | 99.      | D. M. Willaford                  |
| 44.    | J. L. Johnson       | 100.     | J. K. Williams                   |
| 45.    | R. L. Jolley        | 101.     | Margaret Wilson                  |
| 46.    | C. G. Jones         | 102.     | G. K. Youngen                    |
| 47.    | T. A. Jones         | 103.     | Central Research<br>Library      |
| 48.    | R. A. Jump          | 104.     | ESD Library                      |
| 49.    | R. H. Kingrea       | 105-106. | Laboratory Records<br>Department |
| 50.    | D. C. Kocher        | 107.     | Laboratory Records, RC           |
| 51.    | Francis Kovac       | 108.     | ORNL Patent Office               |
| 52.    | Denton Lankford     | 109.     | ORNL Y-12 Technical<br>Library   |
| 53.    | B. D. Lawson        |          |                                  |

## EXTERNAL DISTRIBUTION

110. David Abbott, EG&G Mound Applied Technologies, P.O. Box 3000, Miamisburg, OH 45343

111. Marjorie Adams, Woodward-Clyde Federal Services, #1 Church St., Suite 404, Rockville, MD 20850
112. Pete Alexandro, NUS, 910 Clopper Road, P.O. Box 6032, Gaithersburg, MD 20877-0962
113. Stuart Altman, U.S. DOE, DP-644, GTN, Washington, DC 20545
114. Lauren B. Ames, Santa Fe Engineering, Ltd., 1900 Chamisa, Santa Fe, NM 87501
115. B. R. Anderson, B&W Idaho Inc., 1580 Sawtelle, Box 1469, Idaho Falls, ID 83403
116. C. A. Anderson, Environmental Scientist, Idaho Operations Office, 785 DOE Place, MS #1116, Idaho Falls, ID 83402
117. Lt. Col. Craig Anderson, HQ TAC/JAV, Langley AFB, VA 23665
118. Carl Angoli, U.S. Dept of Energy, Morgantown Energy Tech Ctr, P.O. Box 880, Morgantown, WV 26507-0880
119. Shannon Ansley, Box 1625, MS-2107, INEL- EG&G, Idaho Falls, ID 83415
120. Cassandra Anthony, SAIC, P.O. Box 2501, 800 Oak Ridge Turnpike, Oak Ridge, TN 37830
121. Major Dennis R. Armstrong, AFOEHL/RZ, Brooks Air Force Base, TX 78235-5501
122. Army Environmental Office, Attn: ENVR-EP/Cabellon, Rm.1E677, Pentagon, Washington, DC 20310-2600
123. Department of the Army, CETHA-EC-A/Bruce Pringel, U.S. Army Toxic & Hazardous Materials Agency, Aberdeen Proving Ground, MD 21010-5401
124. Richard Artz, NOAA, Air Resources Lab, SSMCII, Rm. 9358, R/E/AR, 1325 East West Highway, Silver Springs, MD 20910
125. Irene Atney-Yurdin, Attorney, Brookhaven Area Office, 53 Bell Avenue, Upton, NY 11973
126. Andy Avel, U.S. Department of Energy, P.O. Box 398705, Cincinnati, OH 45239-8705
127. Jon E. Baer, Director, Landscape Architectural Service (08884), Office of Facilities, Department of Veteran Affairs, 810 Vermont Avenue NW, Washington, DC 20420
128. James Bachmier, U.S. DOE, EH-232, GA-098, 1000 Independence Avenue, Washington, DC 20585
129. Charlotte Baker, Environment, Health, and Safety, University of California, Irvine, CA 92717
130. Lynn W. Ball, EG&G Idaho, P.O. Box 1625, MS-1540, Idaho Falls, ID 83415
131. Steven N. Balone, H&R Technical Associates (Weston Corp), 13126 Dairymaid Drive, Germantown, MD 20874
132. Ralph Barr, NUS Corporation, 910 Clopper Road, P.O. Box 6032, Gaithersburg, MD 20877-0962
133. Kris Barrett, Mitre Corp (HSD/YAQ), Brooks Air Force Base, TX 78235-5000
134. John H. Barry, U.S. DOE, Idaho Operations Office, 785 DOE Place, Idaho Falls, ID 83402
135. Pat Bartlett, ASO-463-8, FAA Southern Region, 3400 Norman Berry Drive, P.O. Box 20636, East Point, GA 30344
136. Lisa A. Bartsche, U.S. DOE, Princeton Area Office, P.O. Box 102, Princeton, NJ 08542
137. John Bascietto, EH-231, GA-076, U.S. DOE, Forrestal Building, 1000 Independence Avenue, Washington DC 20585
138. John Baublitz, NE-20, E-420, U.S. Department of Energy, Washington, DC 20545
139. Paul M. Beam, U.S. DOE, EM-43, 1000 Independence Avenue, Washington, DC 20585-0002

140. Pat Bean, U.S. DOE, DP-534, GTN, Washington, DC 20585
141. G. B. Becker, R3-28, P.O. Box 1970, Richland, WA 99352
142. Heino Beckert, U.S. DOE, EH-232, Forrestal Building, 1000 Independence Avenue, Washington, DC 20585
143. Walter C. E. Beddoes, Defense Logistics Agency, DLA-S (RPDSO), Cameron Station, VA 22304
144. Henry Beiro, Earth Technology Corporation, 673 Emory Valley Road, Oak Ridge, TN 37830
145. Jerry Bell, Richland Operations Office, P.O. Box 550, Richland, WA 99352
146. Dr. John C. Belshe', Corps of Eng., DAEN-CWP-P, Rm. 7113, 20 Massachusetts Ave., N.W., Washington, DC 20314
147. Cathy Benediktsson, AAL-465H, FAA Alaskan Region, 222 West 7th Avenue, #14, Anchorage, AK 99513-7587
148. Paul J. Bennice, General Electric Company, Knolls Atomic Power Laboratory, P.O. Box 1072, Schenectady, NY 12301
149. S.J. Bensussen, Kaiser Engineers Hanford Company, P.O. Box 888, Richland, WA 99352
150. Chris Bergren, Westinghouse Savannah River Company, Environmental Protection Department, Building 742A, P.O. Box 616, Aiken, SC 29802
151. Raymond P. Berube, EH-20, 7A-075, U.S. Department of Energy, 1000 Independence Ave., Washington, DC 20585
152. Charles Billups, ER-8.2, U.S. Department of Energy, Washington, DC 20585
153. Frank Bingham, HPE/ECB, U.S. DOE, Nevada Operations Office, P.O. Box 98518, Las Vegas, NV 89193-8518
154. Walt Bird, Argonne National Laboratory, 9700 South Cass Avenue, ES&H Division, Bldg. 201, Argonne, IL 60439
155. Warren Bodily, Kasier Engineering-Hanford, P.O. Box 888, Richland, WA 99352
156. Carol Boghosian, DOE/LBL Site Office, M.S. 90-1106, Lawrence Berkeley Laboratory, One Cyclotron Road, Berkeley, CA 94702
157. Carol Borgstrom, Director, Office of NEPA Oversight, U.S. Department of Energy, EH-25, Rm. 3E-080, 1000 Independence Ave., S.W., Washington, DC 20585
158. Lucinda Borneman, Westinghouse Hanford Co., P.O. Box 1970, H4-57, Richland, WA 99352
159. A. M. Bosch, Paducah Gaseous Diffusion Plant, P.O. Box 1410, Paducah, KY 42001
160. O. Lee Bostic, NW Westinghouse Environmental Center, 1234 Columbia Drive, Suite 203, Richland, WA 99352-4762
161. Dave Breault, Knolls Atomic Power Lab, Kesselring Site Operations, 350 Atomic Project Road, Ballston Spa, NY 12020-2817
162. Major Tim Bridges, HQ TAC/DEVP, Langley Air Force Base, VA 23665-5000
163. Robert T. Broili, NUS, 900 Trail Ridge Road, Aiken, SC 29801
164. D. E. Brown, Env. Protection Specialist, Kansas City Division, Dept 144-0829, Allied-Signal Corp, P.O. Box 419159, Kansas City, MO 64141-6159
165. Tracy Brown, Battelle, Jackson Plaza, Suite 300, 800 Oak Ridge Turnpike, Oak Ridge, TN 37831
166. J. E. Bruce, Rockwell-INEL, P.O. Box 1469, Mail Stop 2700, Idaho Falls, ID 83403

167. Julie Brusslan, Advanced Sciences Inc., 2000 N. 15th St., Suite 407, Arlington, VA 22201
168. Steve Buckley, Office of Quality Assurance/Quality Control, U.S. DOE, EM-20, Rm 1G-066, 1000 Independence Ave., Washington, DC 20585
169. R. M. Burd, NUS Corporation, 900 Trail Ridge Road, Aiken, SC 29801
170. Dr. Gordon Burley, U.S. EPA, ANR-458, 401 M St., S.W., Washington, DC 20460
171. Kenneth Burns, General Electric Company, 8152 Verbeck Drive, Manlius, NY 13104
172. Doug Canete, Argonne National Laboratory, 370 L'Enfant Promenade, SW, Suite 702, Washington, DC 20024
173. Rita G. Carnes, Benchmark Environmental Corp., 4501 Indian School Rd. NE, Suite 105, Albuquerque, NM 87110
174. Bob Carosino, Office of Chief Counsel, Richland Operations Office, MS-A452, P.O. Box 550, Richland, WA 99352
175. Jerry Carr, U.S. Department of Energy - WIPP, P.O. Box 3090, Carlsbad, NM 88221
176. John S. Cerrito, Knolls Atomic Power Laboratory, Kesselring Site Operation, 350 Atomic Project Road, Ballston Spa, NY 12020-2817
177. Charlie Channes, AWP-464-10, FAA Western Pacific Region, P.O. Box 92007, Worldway Postal Ctr., Los Angeles, CA 90009
178. Gloria E. Chavez, Sandia National Laboratories, Division 3222, P.O. Box 5800, Albuquerque, NM 87185
179. Chief, Environmental Sciences Branch, U.S. Department of Energy, 785 DOE Place, Idaho Falls, ID 83402-4149
180. Nathan A. Chipman, Westinghouse Idaho Nuclear Co., MS-3205, P.O. Box 4000, Idaho Falls, ID 83403-4000
181. William D. Christensen, Ph.D., 100 Jefferson's Hundred, Williamsburg, VA 23185
182. Dr. A. L. Clark, HQUSAF/LEEVN, Bolling Air Force Base, Washington, DC 20332-5000
183. Barbara Clark, Westinghouse - Savannah River, Building 703H, Aiken, SC 29802
184. Clifford E. Clark, Science Applications Corp., 1845 Terminal Drive, Suite 202, Richland, WA 99352
185. Jennifer Clay, U.S. DOE, EM-20, Room 435, 12800 Middlebrook Rd., Germantown, MD 20874
186. Lt. Col. Robert Clegern, Executive Director, Armed Forces Test Management Board, Forest Glen Station, WRANC, Washington, DC 20307-5001
187. Jerry Coalgate, EH-231, GA-076, U.S. Department of Energy, 1000 Independence Ave., Washington, DC 20585
188. Joe Cochran, Sandia, Div-3223, Sandia National Labs, P.O. Box 5800, Albuquerque, NM 87185-5800
189. Brenda Cole, Westinghouse Idaho Nuclear Company, MS -5117, P.O. Box 4000, Idaho Falls, ID 83403
190. Alice Colston, Office of Management and Budget, NEOB, Room 8002, 17th & Pennsylvania Ave., N.W., Washington, DC 20503
191. R. R. Colwell, Director of Maryland Biotechnology Institute, University of Maryland, Microbiology Bldg, College Park, MD 20742

192. W. E. Cooper, Department of Zoology, College of Natural Sciences, Michigan State University, East Lansing, MI 48824
193. Ray Cooperstein, DP-131, B-204/GTN, U.S. Department of Energy, Washington, DC 20545
194. Dr. Darrel Cornell, Environmental Management, OC-ALC/EMR, Tinker AFB, OK 73135
195. Bill Cox, Director, U.S. Air Force Regional Environmental Office, 525 S. Griffin St., Box 116, Dallas, TX 75202-0516
196. Debbie Craghill, P.O. Box 127, c/o Naval Petroleum Reserves #1, Tupman, CA 93276
197. Karin Crandall, NUS Corporation, 205-F Cody Lane, Aiken, SC 29803
198. Alan Crockett, EG&G Idaho, P.O. Box 1625, Idaho Falls, ID 83415-2213
199. Martha Crosland, GC-11, 6A-113, U.S. Department of Energy, 1000 Independence Ave., Washington, DC 20585
200. June Crowe, IT Corporation, 312 Directors Drive, Knoxville, TN 37923
201. Debra Cully, Knolls Atomic Power Lab, P.O. Box 1072, Schenectady, NY 12301
202. Brian Culver, Chief of Environmental Management, General Dynamics - EB Division, Kesselring Site Field Office, P.O. Box 118, Rock City Falls, NY 12863
203. Maureen Cunningham, SAIC, P.O. Box 2501, Oak Ridge, TN 37831
204. Rich Cunningham, U.S. DOE, DP-9, GE-063, 1000 Independence Avenue, Washington, DC 20585
205. Ruth Curley, KAPL, G1-101, P.O. Box 1072, Schenectady, NY 12301
206. Richard Dailey, EH-231, GA-076, U.S. Department of Energy, 1000 Independence Ave., Washington, DC 20585
207. Abdul Q. Dasti, U.S. DOE, DP-222, GTN, Washington, DC 20545
208. James T. Davis, U.S. DOE, San Francisco Ops. Office, 1333 Broadway, Oakland, CA 94612
209. Defense Environmental Restoration, 206 N. Washington Street, Suite 100, Alexandria, VA 22314
210. Hal Delaplane, FE-421, 3G-027, U.S. Department of Energy, 1000 Independence Ave., Washington, DC 20585
211. Cathy Demeroukas, U.S. Army, CERL/ENR, P.O. Box 9005, Champaign, IL 61826-9005
212. William Dennison, GC-11, DOE, Washington, DC 20545
213. James DePadro, Argonne National Laboratory, 9600 Cass Avenue, Argonne, IL 60439
214. Jack Depperschmidt, Mail Stop 1146, 785 DOE Place, Idaho Falls, ID 83402
215. Donna DeRenna, Bettis Atomic Power Laboratory, P.O. Box 79, West Mifflin, PA 15122-0079
216. Linda J. Desell, RW-32, 7F-045, U.S. Department of Energy, 1000 Independence Ave., Washington, DC 20585
217. Leah Dever, EH-221, 3G-092, U.S. Department of Energy, 1000 Independence Avenue, Washington, DC 20585
218. Jerry DiCerbo, EH-231, GA-076, U.S. Department of Energy, 1000 Independence Ave., Washington DC 20585
219. Steve Diedrich, AGL-436, FAA Great Lakes Region, O'Hare Lake Office Ctr., 2300 E. Devon Avenue, Des Plaines, IL 60018

220. Jonathan Dion, DOE - RFP/WMED, P.O. Box 928, Golden, CO 80402
221. Director, U. S. Air Force Regional Environmental Office, 525 S. Griffin St., Box 116, Dallas, TX 75202-0516
222. Ron Dixon, Legal Counsel, U.S. DOE, Planning, NPRC, P.O. Box 11, Tupman, CA 93276
223. DOE-RL, P.O. Box 550, Richland, WA 99352
224. Dr. William W. Doerr, Stone & Webster Environmental Services, 245 Summer Street, P.O. Box 765, Boston, MA 02107
225. David Dollins, U.S. DOE, Portsmouth Gaseous Diffusion Plant, P.O. Box 628, Piketon, OH 45661
226. Rick Donahoe, Bechtel Petroleum Operations, Inc., Naval Petroleum Reserves, P.O. Box 127, Tupman, CA 93276
227. Cathy Dufault, Naval Weapons Station Pier X, NPTU, Charleston, SC 29408-7007
228. D. C. Durban, P.O. Box 1970, (N1-35), Westinghouse Hanford Company, Richland, WA 99352
229. Ron Duvall, NP-52, U.S. DOE, 1801 Falstaff Ct., Bel Air, MD 21014
230. Ken Duvall, EH-232, U.S. Department of Energy, 1000 Independence Avenue, Washington, DC 20585
231. Emily Dyson, Roy F. Weston Company, 12800 Middlebrook Road, Suite 207, Germantown, MD 20874
232. Arnie Edelman, NE-47, Rm. F-442, GTN, U.S. Department of Energy, Washington, DC 20585
233. Robert Edwards, U.S. DOE, Paducah Gaseous Diffusion Plant, P.O. Box 1410, Paducah, KY 42001
234. Patricia A. Elker, US Army Material Command, ATTN: AMCSF-P, 5001 Eisenhower Avenue, Alexandria, VA 22333
235. Dr. Donald R. Elle, EPS/EST, USDOE/NV, P.O. Box 98518, Las Vegas, NV 89193-8518
236. Dwight Emerson, Energetic Inc., 7164 Gateway Drive, Columbia, MD 21046-2101
237. Dennis Engler, SAIC, 10770 Wateridge Circle, San Diego, CA 92121
238. Environmental Compliance Division, OS/OASM/ECD/ H6319, U.S. Department of Commerce, Washington, DC 20230
239. Dr. Edward J. Evans, Jr., PMPMD, USAEHA, Aberdeen Proving Gds., MD 21010-5422
240. Tom Evans, DOE-HQ, EM-552, 12800 Middlebrook Road, Germantown, MD 20874
241. Gerry Fallon, Massachusetts Institute of Technology, Bates Linac, P.O. Box 95, Middleton, MA 01949
242. William Fallon, Battelle, 370 L'Enfant Promenade, Suite 900, Washington, DC 20024
243. Bill Farmer, EG&G Mound Applied Technology, P.O. Box 3000, Miamisburg, OH 45343-3000
244. Tom Ferns, Westinghouse Hanford, P.O. Box 1970, MS H4-57, Richland, WA 99352
245. Marvin S. Fink, Safety and Health Manager, Room 6525, Main Building, U.S. Dept. of Justice, Washington, DC 20530
246. James J. Fiore, Director, Division of Facility and Site Decommissioning Projects (NE-23), U.S. Department of Energy, Washington, DC 20545
247. Ed Fisher, U.S. DOE, Morgantown Energy Tech. Ctr., P.O. Box 880, Morgantown, WV 26505
248. Joe Fitzgerald, EH-35, G-103, U.S. Department of Energy, 1000 Independence Avenue, Washington, DC 20585

- 249. N. J. Fix, EG & G Idaho, Inc., P.O. Box 1625, MS-3414, Idaho Falls, ID 83415
- 250. Roxanne Flowers, DOE New Brunswick Lab, Building 350, 9800 South Cass Avenue, Argonne, IL 60439-4870
- 251. Kenny Floyd, NIH, 9000 Rockville Pike, Bldg. 13, Rm. 2W64, Bethesda, MD 20892-00013
- 252. Brian Foley, DOE Field Office - Richland Operations, P.O. Box 550, MS-A5-52, Richland, WA 99352
- 253. John Ford, DP-133, A-312, DOE, Washington, DC 20545
- 254. Mr. L.A. Fort, Westinghouse Hanford Co., P.O. Box 1970, R2-87, Richland, WA 99352
- 255. William Fortune, EH-231, DOE-HQ, Forrestal Building, 1000 Independence Avenue, Washington, DC 20585
- 256. Michael R. Fosdick, Vice President & General Manager, John Brown E&C Inc., 800 Werner Court, P.O. Box 90159, Casper, WY 82609
- 257. Thomas G. Frangos, Jacobs Engineering Group, P.O. Box 20008, Lakeland, FL 33806-2008
- 258. Dr. Clyde Frank, U.S. DOE, EM-50, 1000 Independence Ave., SW., Washington, DC 20585
- 259. Steve Frank, NP-50, U.S. DOE HQ, Forrestal Building, 1000 Independence Ave., Washington, DC 20585
- 260. J.F. Franklin, Bloedel Professor of Ecosystem Analysis, College of Forest Resources, University of Washington, Anderson Hall (AR-10), Seattle, WA 98195
- 261. Carl Gaddis, Pittsburgh Naval Reactors Office, P.O. Box 109, West Mifflin, PA 15122-0109
- 262. Glen R. Galen, Bechtel National, Inc., P.O. Box 350, Oak Ridge, TN 37831-0350
- 263. Jim Gamin, Westinghouse-Hanford, P.O. Box 1970, Richland, WA 99352
- 264. Mike Garcia, U.S. Department of Energy, Albuquerque Ops., Health Protection Division, P.O. Box 5400, Albuquerque, NM 87115
- 265. David Gardner, Westinghouse Materials Co. of Ohio, P.O. Box 398704, Mail Stop 31, Cincinnati, OH 45239-8704
- 266. Glenn Gardner, RW-42, 5A-051, U.S. Department of Energy, 1000 Independence Avenue, Washington, DC 20585
- 267. Dick Geiger, Chem-Nuclear Environmental Services (A4-35), 825 Jadwin Avenue, P.O. Box 1786, Richland, WA 99352
- 268. David R. Gengozian, Environmental Quality Staff, SPB 25 214P, TVA, 400 W. Summit Hill Drive, Knoxville, TN 37902-1499
- 269. Robert E. Giencke, General Electric/KAPL, P.O. Box 1072, MD G1-289, Schenectady, NY 12301
- 270. Martha Gitt, 265 Gladstone, Idaho Falls, ID 83402
- 271. Chad Glenn, U.S. Nuclear Reg. Commission, 1 White Flint North, 11555 Rockville Pike, MS-5E4, Rockville, MD 20852
- 272. Melanie S. Goga, Halliburton NUS Environmental Corporation, Technical Library, Foster Plaza VII, Pittsburgh, PA 15220
- 273. Neal Goldenberg, EH-32, G-138, U.S. Department of Energy, Washington, DC 20545
- 274. Robert Gonzales, P.O. Box 1663, Los Alamos National Laboratory, MS-K481, HSE-13, Los Alamos, NM 87545
- 275. Marjorie Gonzalez, L-39, Lawrence Livermore Natl Lab, P.O. Box 808, Livermore, CA 94550

- 276. Scott Grace, U.S.DOE-Rocky Flats Office, Mail Stop EPA, P.O. Box 928, Golden, CO 80402-0928
- 277. Paul T. Grahovac, Westinghouse Idaho Nuclear Co., Inc., MS-3301, P.O. Box 4000, Idaho Falls, ID 83403
- 278. Michael J. Green, NASA, 400 Maryland Ave. NW, Washington, DC 20546
- 279. Steve Green, Manager, GOCO ES&H Programs, Westinghouse Electric Corporation, Gateway #6 - 2185, 11 Stanwix Street, Pittsburg, PA 15222
- 280. R. B. Greenstone (ZAP 64C), Westinghouse-Bettis Laboratory, P.O. Box 79, West Mifflin, PA 15122
- 281. Charles Grua, U.S. DOE, NE-84, 1000 Independence Avenue, Washington, 20585
- 282. Rich Guida, NE-60, NR, 4N06, U.S. Department of Energy, Naval Reactors, Washington, DC 20585
- 283. Linda Guinn, EG&G Idaho, P.O. Box 1625-3601, Idaho Falls, ID 83415
- 284. Cynthia B. Hall, Esq., Legal Organization 4000, Sandia National Laboratories, P.O. Box 5800, Albuquerque, NM 87185
- 285. Phoebe Hamill, DOE-Headquarters, FE-222, 1000 Independence Avenue, Washington, DC 20585
- 286. L. D. Hamilton, M.D. Phd., Head, Biomedical & Environmental Assessment Division, Brookhaven National Laboratory, Upton, Long Island, NY 11973
- 287. James Hand, Corp of Eng., HQDA-DAEN-CECW-PP, Pulaski Bldg, 20 Massachusetts Ave., N.W., Rm. 7113, Washington, DC 20314
- 288. Glen T. Hanson, 1628 Blair Court NE, Albuquerque, NM 87112
- 289. Ursula Harder, Manager, Environment, Health and Safety, General Electric Devices Dept., Mail Station-040, P.O. Box 2908, Largo, FL 34649
- 290. Timothy Harms, Office of Environmental Guidance and Compliance, EH-231, U.S. Department of Energy, 1000 Independence Ave., Washington, DC 20585
- 291. Ernest Harr, EM-20, 436 Trevion II Building, 12800 Middlebrook Rd., Germantown, MD 20874
- 292. Jim Hartman, Environmental Manager, U.S. DOE, Western Area Power Administration, P.O. Box 3700, Loveland, CO 80539-3003
- 293. Len Hayden, PEER Consultants, P.C., 575 Oak Ridge Turnpike, Oak Ridge, TN 37830
- 294. Don L. Hayes, Southwestern Power Adm, P.O. Box 1619, Tulsa, OK 74101
- 295. T. G. Hedahl, Manager, Environmental Programs, EG&G Idaho, Inc., P.O. Box 1625, Idaho Falls, ID 83415
- 296. Paul L. Hendrickson, K6-55, Battelle - PNL, P.O. Box 999, Richland, WA 99352
- 297. Lee Herwig, A-104, Env Protection Agency, Office of Federal Activities, 401 M St, S.W., Rm 2115 C, Washington, DC 20460
- 298. Jim Heyser, 1900 Diamond Drive, Los Alamos, NM 87544
- 299. Nancy M. Hickok, 350 Atomic Project Road, Building 18, Room 101, West Milton, NY 12020
- 300. R. Douglas Hildebrand, U.S. Department of Energy, MS AS-SS, Box 550, Richland, WA 99352
- 301. Charles I. Hochman, Office of Safety and Health, Department of Labor, 200 Const. Ave., N.W., Rm S2220B, Washington, DC 20210
- 302. David Hoel, NP-53, U.S. Department of Energy, 1000 Independence Ave., Washington, DC 20585

- 303. Joseph Hoenscheid, ODASD(E) 400 Army-Navy Drive, Suite #206, Arlington, VA 22202-2885
- 304. Jean Hoff, ICF, Inc., 9300 Lee Highway, Fairfax, VA 22031
- 305. Claire Holtzapfle, DOE SAN/LDD, LLNL, Mail Stop L-574, P.O. Box 808, Livermore, CA 94550
- 306. Dr. Kou-John Hong, Argonne National Laboratory, 9700 S. Cass Avenue, Argonne, IL 60439
- 307. Pat Hoopes, U.S. Department of Energy, Kansas City Area Office, P.O. Box 410202, Kansas City, MO 64141-0202
- 308. David R. Hopkins, EPA - Federal Activities, 345 Courtland, Atlanta, GA 30365
- 309. G.M. Hornberger, Professor, Department of Environmental Sciences, University of Virginia, Charlottesville, VA 22903
- 310. HQ AFESC/RDV, Stop 21, Tyndall Air Force Base, FL 32403
- 311. Linda M. Hubbard, Bechtel National, Inc., P.O. Box 350, Oak Ridge, TN 37831-0350
- 312. J. W. Huckabee, Manager, Ecological Studies Program, Electric Power Research Institute, 3412 Hillview Avenue, P.O. Box 10412, Palo Alto, CA 94303
- 313. Joseph Hugo, Chief, Pollution Control Section, NIH, Bldg. 13, Room 2W64, Bethesda, MD 20892 (disk copy only)
- 314. Jerry Humman, EH-32, U.S. DOE, GTN, Washington, DC 20545
- 315. David P. Hutchison, EG&G Idaho, P.O. Box 1625, MS-2411, Idaho Falls, ID 83415
- 316. Leonard Hutterman, WINCO, Box 4000-3906, Idaho Falls, ID 83403
- 317. T. B. Hyde, U.S. Dept of Energy, Albuquerque Operations Office, Management Support Div., Albuquerque, NM 87115
- 318. David S. Ingle, Safety and Occupational Health Manager, U.S. Department of Energy, Pinellas Area Office, P.O. Box 2900, Largo, FL 34294
- 319. Inhalation Toxicology Research Institute, Health Protection, P.O. Box 5890, Albuquerque, NM 87115
- 320-322. John Jaacks, c/o SAIC MS 2-5-1, 1710 Goodridge Drive, McLean, VA 22102
- 323. Jim Jackson, EG&G Idaho, P.O. Box 1625, Mail Stop 3414, Idaho Falls, ID 83415-3414
- 324. Vernon Z. Jakvbowski, 18-101, Knolls Atomic Power Laboratory, 350 Atomic Project Road, Ballston Spa, NY 12020-2817
- 325. Mr. Charles F. James, M-471, Dept. of Transportation, 400 7th St, S.W., Rm. 2308, Washington, DC 20590
- 326. Richard Janowiecki, EG&G Mound Applied Technologies, P.O. Box 3000, Miamisburg, OH 45343-0987
- 327. C. Jierree, U.S. Department of Energy, Rocky Flats Area Office, P.O. Box 928, Golden, CO 80401
- 328. Chuck Johnson, Chem-Nuclear Environmental Services, Inc., 1597 Cole Blvd., Suite 350, Golden, CO 80441
- 329. Janet Johnson, INEL, 1955 Freemont Avenue, P.O. Box 4000, Idaho Falls, ID 83403-4000
- 330. Teresa G. Jordan (Attn: BLD. 742-A), Westinghouse - Savannah River Company, P.O. Box 616, Aiken, SC 29802
- 331. George Y. Jordy, Director, Office of Program Analysis, Office of Energy Research, ER-30, G-226, U.S. Department of Energy, Washington, DC 20545

- 332. Reed Kaldor, Advanced Sciences, Inc., 1777 Terminal Drive, Richland, WA 99352
- 333. Mark Kamiya, Argonne National Laboratory, ES&H Division, 9700 S. Cass Avenue, Argonne, IL 60439
- 334. Col. Don Kane, Env Division (AF/LEEV), Bolling AFB, Washington, DC 20332-5000
- 335. George Kaplan, NE-70, Rm. A-423, U.S. DOE, GTN, Washington, DC 20585
- 336. Allison V. Keebler, ERCE, 800 Oak Ridge Turnpike, Suite 103, Oak Ridge, TN 37830
- 337. E. Kehoe, SSgt, USAF NCCIC, Environmental Law Division, Office of the Judge Advocate General, AF/JACE, Bolling AFB, DC 20332-6128
- 338. R. R. Kemps, Director, Office of Project and Facilities Management, 1000 Independence Ave., 5C-032/Forrestal Bldg, Washington, DC 20585
- 339. J.C. Kent, Westinghouse Idaho Nuclear Co., Inc., P.O. Box 4000, Mail Stop 5209, Idaho Falls, ID 83403
- 340. Philip H. Kier, Energy and Environmental Systems Division, Bldg. 362, Argonne National Laboratory, 9700 S. Cass Ave., Argonne, IL 60439
- 341. James C. Killen, U.S. DOE, Planning, NPRC, P.O. Box 11, Tupman, CA 93276
- 342. Howard Kimpton, ACM-440, FAA Technical Center, Atlantic City Airport, NJ 08405
- 343. Anthony King, Roane State Waste Management Training Center, 728 Emory Valley Road, Oak Ridge, TN 37830
- 344. Kay King, Theta Technologies, 101 E. Tennessee Ave., Oak Ridge, TN 37830
- 345. Tim Kirkpatrick, EG&G Idaho, MS-2411, P.O. Box 1625, Idaho Falls, ID 83415
- 346. Alan D. Kirsch, EG&G Idaho, P.O. Box 1625-3601, Idaho Falls, ID 83415
- 347. Mike Kleinrock, EM-20, 8H-050, U.S. DOE, Forrestal Building, 1000 Independence Avenue, Washington, DC 20585
- 348. Margret A. Knech, EG&G Idaho, P.O. Box 1625, Idaho Falls, ID 83415-2212
- 349. J. P. Knight, Director, Office of Nuclear Safety, EH-33, G-107, U.S. Department of Energy, Washington, DC 20545
- 350. Ronald Knisley, MA-202.3, 4F-066, U.S. Department of Energy, 1000 Independence Ave., Washington, DC 20585
- 351. Terri Knudsen, Rockwell International, Rocky Flats Plant, P.O. Box 464, T-130B, Golden, CO 80402-0464
- 352. Duane A. Knudson, ANL, 9700 S. Cass Avenue, 203-ER, Argonne, IL 60439
- 353. Edward J. Kochem, General Electric, Bldg. F3-7, P.O. Box 1072, Schenectady, NY 12301
- 354. Ronald Kolzow, EQ0-201, 9700 South Cass Avenue, Argonne National Laboratory, Argonne, IL 60439
- 355. James Koonce, Lawrence Berkeley Laboratory, MS 50A-5104, Oakland, CA 94720
- 356. Ted Koss, U.S. DOE, EH-232, 1000 Independence Avenue, Washington, DC 20585
- 357. George E. Krauter, Stone & Webster, 702 S. Illinois Avenue, Suite B-104, Oak Ridge, TN 37830
- 358. Mike Krupinsky, Management Analysis Co., 12671 High Bluff Drive, San Diego, CA 92130
- 359. Dr. Art Kubo, BDM International, 7915 Jones Branch Drive, McLean, VA 22102

- 360. Deborah Kufen, EG&G Idaho, Inc., P.O. Box 1625, Idaho Falls, ID 83415-3505
- 361. Major Marcia Kurtz, 1606 ABW/JA, Kirtland AFB, NM 87117-5000
- 362. Tapio Kuusingn, (K6-55), Pacific Northwest Laboratory, P.O. Box 999, Richland, WA 99352
- 363. Susan Kuznick, GC-31, 6B-256, U.S. Department of Energy, 1000 Independence Avenue, Washington, DC 20585
- 364. Robert T. Lackey, Deputy Director, EPA Environmental Research Lab., 200 SW 35th Street, Corvallis, OR 97333
- 365. A. G. Ladino, U.S. Department of Energy, Amarillo Area Office, P.O. Box 30030, Amarillo, TX 79120
- 366. Mr. Phil Lammi, Director, Environmental Planning Division, Air Force Regional Civil Engineer-Western Region, AFRCE-WR/ROV, 630 Sansome St., Room 1316, San Francisco, CA 94111-2278
- 367. P. S. Lanham, Manager of Environmental Special Projects, Chem-Nuclear Geotek, P.O. Box 1400, Grand Junction, CO 81502-5504
- 368. Fred N. Larsen, Allied-Signal Inc., P.O. Box 1159, Department 837-XD43, Kansas City, MO 64141
- 369. Bill Lattin, U.S. DOE, Idaho Operations Office, 785 DOE Place, Idaho Falls, ID 83402
- 370. J. Thomas Lawell, Colonel, USAF, Director, Environmental Management, SM-ALC/EM, McClellan AFB, CA 95652-5990
- 371. Andy Lawrence, EH-231, GA-076, U.S. DOE, 1000 Independence Ave., Washington, DC 20585
- 372. Kurt Lawton, Martin Marietta Energy Systems, Box 628, M.S. 3209, Piketon, OH 45661
- 373. Eugene Lehr, P-14, Department of Transportation, 400 7th St, S.W., Rm. 9217, Washington, DC 20590
- 374. John Lehr, DP-124, A-220, U.S. Department of Energy, Washington, DC 20545
- 375. Kathleen Leonard, Westinghouse Hanford, P.O. Box 1970, B2-19, Richland, WA 99352
- 376. Mary Lou Leonard, 3021 San Patricia NW, Albuquerque, NM 87107
- 377. Ann M. Lesperance, MSIN K6-58, P.O. Box 999, Richland, WA 99352
- 378. Nick Lestenkof, ANM-463.H, Federal Aviation Administration, 1601 Lind Avenue SW, Renton, WA 98055-4056
- 379. Martin J. Letourneau, U.S. Department of Energy, EM-22, Trevion II, Washington, DC 20585-0002
- 380. Donna M. Leydorf, SAIC, Division 380, P.O. Box 2501, Oak Ridge, TN 37831
- 381. Library, Bechtel National Inc., Box 350, Oak Ridge, TN 37831
- 382. Library, U.S. Environmental Protection Agency Region IV, 345 Courtland Street, Atlanta, GA 30365-2401
- 383. Library, Weston, Inc., 955 L'Enfant Plaza, SW, Suite 800, Washington, DC 20024
- 384. Edward Liebsch, HDR Engineering, Inc., 5401 Gamble Drive, Suite 300, Minneapolis, MN 55416-1518
- 385. G. E. Likens, Director, The New York Botanical Garden, Institute of Ecosystem Studies, The Mary Flagler Cary Arboretum, Box AB, Millbrook, NY 12545

- 386. Jim Littlejohn, Nevada Operations Office, U.S. DOE, P.O. Box 98518, Las Vegas, NV 89193-8518
- 387. Chuck Ljungberg, U.S. DOE, West Valley Project Office, P.O. Box 191, West Valley, NY 14171
- 388. Jim B. Lloyd, Southeastern Power Adm, Samuel Elbert Building, Elberton, GA 30635
- 389. Mary Alice Locke, Federal Aviation Administration, (AEE-20), 800 Independence Avenue SW., Washington, DC 20591
- 390. Jim Long, AAC-51, FAA Aeronautical Center, 6500 S. MacArthur, P.O. Box 25082, Oklahoma City, OK 73125
- 391. Jeffrey J. Longaker, SAIC, P.O. Box 2501, 800 Oak Ridge Turnpike, Oak Ridge, TN 37831
- 392. Susan W. Longley, Sandia National Laboratories, P.O. Box 5800, Division 3222, Albuquerque, NM 87185
- 393. Jackie Loop, EG&G Idaho, P.O. Box 1625, Idaho Falls, ID 83415-2300
- 394. Margaret Lou, U.S. DOE, Bartlesville Project Office, P.O. Box 1398, Bartlesville, OK 74003
- 395. James O. Low, U.S. DOE, Albuquerque Operations Office/SPD, P.O. Box 5400, Albuquerque, NM 87115
- 396. Richard P. Lubert, General Electric, Knoll Atomic Power Laboratory, P.O. Box 1072, Schenectady, NY 12301
- 397. Karen Lyncoln, P.O. Box 911, Los Alamos, NM 87544
- 398. John J. Lyons, U.S. Department of Energy, Dayton Area Office, P.O. Box 66, Miamisburg, OH 45342
- 399. Steven Maheras, EG&G Idaho, P.O. Box 1625, Idaho Falls, ID 83415
- 400. Dale R. Mahnke, MMES, P.O. Box 29304, Dept. 3162, New Orleans, LA 70189
- 401. Margaret Makram, U.S. DOE, Los Alamos Area Office, 528 35th St., Los Alamos, NM 87544
- 402. J. Malanchak, Office of Environmental Process and Effects Research, U.S. Environmental Protection Agency, 401 M Street, SW, RD-680, Washington, DC 20460
- 403-404. James Mangeno, (NE-60), U.S. Department of Energy, P.O. Box 23865, Washington, DC 20585
- 405. C. J. Mankin, Director, Oklahoma Geological Survey, Energy Center, 100 E. Boyd, Rm N-131, Norman, OK 73019-0628
- 406. Diane Mann, EN, U.S. Army Const. Res Lab., P.O. Box 4005, Champaign, IL 61820
- 407. Marty L. Martin, P.O. Box 1970, MSIN X0-35, Richland, WA 99352
- 408. Stan Massey, ACE-462, FAA Central Region, 601 East 12th Street, Federal Bldng., Kansas City, MO 64106
- 409. Ken Mathias, A0420, Western Area Power Adm, P.O. Box 3402, Golden, CO 80401
- 410. John Mathur, DP-123, A-227, U.S. Department of Energy, Washington, DC 20545
- 411. M. L. Matthews, U.S. Dept of Energy, Uranium Mill Tailings Project Office, P.O. Box 5400, Albuquerque, NM 87115
- 412. A. J. Matule, Westinghouse Idaho Nuclear Co., Inc., P.O. Box 4000, Mail Stop 5209, Idaho Falls, ID 83403
- 413. Carl A. Mazzola, Stone & Webster, South Operations, Woodside Executive Office Park, Suite F-25, 1359 Silver Bluff Road, Aiken, SC 29803

- 414. David R. McCallister, Lawrence-Allison Division, John Brown E&C Inc., NPR #3 Field Office, P.O. Box 90159, Casper, WY 82609
- 415. Virginia McCauley, Manager, Operations Program, General Electric Devices Dept., Mail Station-009, P.O. Box 2908, Largo, FL 34649
- 416. Doug McCoy, TDEC, Director of DOE Oversight, 761 Emory Valley Road, Oak Ridge, TN 37830
- 417. Beth McDougald, Lee Wan & Associates, Information Resource Center, 105 Broadway, Oak Ridge, TN 37830
- 418. Jim McGovern, AEA-462, FAA Eastern Region, JFK International Airport, Fitzgerald Federal Bldg., Jamaica, NY 11430
- 419. Susan M. McGowan, Arthur D. Little, Inc., Acorn Park, Cambridge, MA 02140
- 420. David C. McGraw, Lawrence Berkeley Laboratory, Mail Stop 90-1106, 1 Cyclotron Road, Berkeley, CA 94720
- 421. K. P. McKay, Bettis Laboratory, AP08E, P.O. Box 79 West Mifflin, PA 15122-0079
- 422. Jesse McKendree, EG&G Mound Applied Technologies, P.O. Box 3000, Miamisberg, OH 45343-3000
- 423. Sylvia M. Medina, EG&G Idaho, Inc., P.O. Box 1625, Idaho Falls, ID 83415
- 424. J. A. Mewhinney, U.S. Dept of Energy, Waste Isolation Pilot Plant Project Office, P.O. Box 3090, Carlsbad, NM 88221.
- 425. Raymond W. Michels, Tucker and Associates, Inc., 800 Commerce Rd., West - Suite 500, New Orleans, LA 70123
- 426. Mark Mikatauge, Chief, OHB/SD/OMS, Central Intelligence Agency, Washington, DC 20505
- 427. Caryle B. Miller, NP-52, U.S. DOE, 1000 Independence Avenue, SW, Washington, DC 20585
- 428. J. F. Miller, Director, Environmental Planning Division, Office of the Assistant Secretary for Community Planning and Development, U.S. Department of Housing and Urban Development, Washington, DC 20410-7000
- 429. Steve Miller, GC-11, U.S. DOE, 1000 Independence Avenue SW, Washington, DC 20585
- 430. Stephen V. Mitz, SAIC, P.O. Box 2501, Oak Ridge, TN 37831
- 431. Jaffer Mohiuddin, BDM International, 12850 Middlebrook Road, Germantown, MD 20874
- 432. Dario Monte, EH-10, GB 096-A, U.S. DOE, 1000 Independence Avenue, Washington, DC 20585
- 433. Kenneth S. Moor, Idaho National Engineering Lab, P.O. Box 1625, Idaho Falls, ID 83415-2213
- 434. Herman Moore, U.S. DOE, West Valley Project Office, 10300 Rock Spring Road, West Valley, NY 14171
- 435. Scott Moore, 800 Oak Ridge Turnpike, Jackson Tower, Suite C-102, Oak Ridge, TN 37830
- 436. Anthony R. Morrell, Assistant to the Administrator for Environment, Bonneville Power Administration, P.O. Box 3621, AJ, Portland, OR 97208
- 437. Kristine Morris, DP-10, 4A-043, U.S. Department of Energy, 1000 Independence Ave., Washington, DC 20585
- 438. Robert Muhly, U.S. Army Toxic and Hazardous Materials Agency, Environmental and Health Office, Bldg 4406EA, Aberdeen Proving Ground, MD 21010
- 439. Harriet Mulvany, Trailer T-130C, EG&G Rocky Flats, P.O. Box 464, Golden, CO 80402-0464
- 440. Herbert Myers, CE-62, 68-070, U.S. Department of Energy, 1000 Independence Avenue, Washington, DC 20585

- 441. Katherine Nakata, U.S. DOE, EH-231, Forrestal Building, 1000 Independence Avenue, Washington, DC 20585
- 442. Mark Neblett, Naval Sea Systems Command (08U), Department of Navy, Washington, DC 20362-5101
- 443. Joan K. Neff, INEL, 1955 Fremont Avenue, P.O. Box 4000, Idaho Falls, ID 83403-4000
- 444. Jill Newby, SAIC, 2765 South Highland Drive, Suite 101, Las Vegas, NV 89109.
- 445. Bob Newell, Kaiser Engineers - Handford, P.O. Box 888, Richland, WA 99352
- 446. F. Niedorkoflor, Jr., Dir, Inventory and Supply Fund Management Service (92B), Veterans Administration, 810 Vermont Avenue, N.W., Washington, DC 20240
- 447. P. A. Nikbakht, Environmental Protection Agency, 1505 Michaux Rd., Chapel Hill, NC 27514
- 448. NUS Corporation Library, 900 Trail Ridge Road, Aiken, SC 29801
- 449. John A. Nuzback, GE/KAPL, Bldg. Z-5, P.O. Box 1072, Schenectady, NY 12301
- 450. Van Nguyen, DOE, DP-12, Germantown, Washington, DC 20545
- 451. Richard F. Orthen, NUS Corporation-Savannah River Center, 900 Trail Ridge Road, Aiken, SC 29803
- 452. Cynthia Ortiz, U.S. Department of Energy, NV Technical Library, P.O. Box 98518, M.S. 505, Las Vegas, NV 89193-8518
- 453. Beth Osheime, U.S. Department of Energy, P.O. Box 398705, Cincinnati, OH 45239-8705
- 454. Dr. W.S. Osburn, Jr., Environmental Protection Specialist, Div. P & T, U.S. DOE, Washington, DC 20545
- 455. Colleen Ostrowski, EH-23, U.S. Department of Energy, 1000 Independence Avenue, Washington, DC 20585
- 456. Kirk W. Owens, EM-331, DOE Headquarters, Washington, DC 20545
- 457. Lula Palmer, Defense Logistics Agency, Defense Reutilization and Marketing Service, 74 North Washington St., Battle Creek, MI 49017
- 458. Mr. Thomas Palmieri, Office of Mngt and Budget, New Exec. Office Bldg., 8002, 726 Jackson Place, N.W., Washington, DC 20503
- 459. Dr. Robert W. Paret, 123 W. Tennessee Avenue, Suite 408, Oak Ridge, TN 37830
- 460. Jerry Parker, RW-333, Rm 7F-070, DOE, Washington, DC 20546
- 461. Joe Parrette, WINCO, P.O. Box 4000, Idaho Falls, ID 83403-4000
- 462. Ron Pauer, Lawrence Berkeley National Laboratory, No.1 Cyclotron Road, Mail Stop B75B, Berkeley, CA 94720
- 463. Marcus Peacock, 1015 15th St., NW, Suite 500, Washington, DC 20005
- 464. Ray Pelletier, EH-23, GA-076, U.S. Department of Energy, 1000 Independence Ave., Washington, DC 20585
- 465. Donna Perla, EPA, OS-320W, 401 M Street SW, Washington, DC 20460
- 466. Patrick Pesacreta, EPA OS-323, 401 M Street, S.W, Washington, DC 20465
- 467. Hal Peterson, U.S. Department of Energy, EH-232, 1000 Independence Avenue, Washington, DC 20585

- 468. Mark Petts, EH-231, GA-076, U.S. Department of Energy, 1000 Independence Ave., Washington, DC 20585
- 469. M. K. Phillips, 3220 Records Center, Division 3221, Sandia National Laboratories, P.O. Box 5800, Albuquerque, NM 87185
- 470. J. A. Phoenix, U.S. Department of Energy, Los Alamos Area Office, 528 35th Street, Los Alamos, NM 87544
- 471. L. J. Piccin, General Electric Co., P.O. Box 1072, Kesselring Site Bldg. 18, Room 213, Schenectady, NY 12301
- 472. Kathy Pierce, BPA, RPPD, P.O. Box 3621, Portland, OR 97208
- 473. Jo Anne Pigg, Sandia National Laboratory, Div. 3311, P.O. Box 5800, Albuquerque, NM 87185
- 474. John Podgursky, Westinghouse-NRF, P.O. Box 2068, Idaho Falls, ID 83401
- 475. Jane Powers, EH-231, GA-076, DOE-HQ, Forrestal Building, 1000 Independence Avenue, Washington, DC 20585
- 476. Keith R. Price, Battelle Northwest, MS-K613, P.O. Box 999, Richland, WA 99352
- 477. Public Health Service - Environmental Officer, Parklawn 17A-10, 5600 Fishers Lane, Rockville, MD 20857
- 478. Tom Pysto, SAIC, Mail Stop 517/T11, 101 Convention Center Drive, Suite 407, Las Vegas, NV 89109
- 479. Richard Raione, ECOTEK, P.O. Box 369, Erwin, TN 37650
- 480. James E. Randall, DOE/AL/OCC, P.O. Box 5400, Albuquerque, NM 87115
- 481. Richard Rapoport, Pacific Northwest Laboratory, 370 L'Enfant Promenade, Suite 900, Washington, DC 20024-2115
- 482. Julie A. Reddick, J. A. Reddick Technical Services, Rte 1, Box 5670, W. Richland, WA 99352
- 483. Randy F. Reddick, CDM Federal Programs Corporation, 6400 Uptown Blvd. NE, Albuquerque, NM 87110
- 484. Dr. Thomas E. Reed, Bettis Atomic Power Laboratory, P.O. Box 79, West Mifflin, PA 15122-0079
- 485. Chelly Reesman, Argonne Area Office - West, P.O. Box 2528, Idaho Falls, ID 83403-2528
- 486. Ed Regnier, EH-231, GA-076, U.S. Department of Energy, 1000 Independence Avenue, Washington, DC 20585
- 487. Jay Rhoderick, EM-342, U.S. DOE, Trevion II, 12800 Middlebrook Rd., Germantown, MD 20874
- 488. William G. Rhodes III, Arthur D. Little, Inc., Acorn Park, Cambridge, MA 02140-2390
- 489. Thomas Risse, DLA-W, Installation Services & Environmental Protection, Cameron Station, Alexandria, VA 22314-6100
- 490. David Rizer, EG&G Idaho, P.O. Box 1625, MS-8102, Idaho Falls, ID 83415-8102
- 491. Gary Roles, EH-232, U.S. Department of Energy, 1000 Independence Avenue, Washington, DC 20585
- 492. D. M. Ross, EH-34, G-154, U.S. Department of Energy, Washington, DC 20545
- 493. Wayne Ross, Battelle-Northwest, P.O. Box 999, MS. P7-41, Richland, WA 99352
- 494. Tom Rowland, West Valley Project Office, P.O. Box 191, West Valley, NY 14171-0191

495. Mell J. Roy, U.S. DOE, Rocky Flats Office, P.O. Box 928, Golden, CO 80402-0928
496. William Roy-Harrison, U.S. DOE, DP-12, GTN, Washington, DC 20545
497. Julie Ruslan, Advanced Sciences, Inc., 2000 N. 15th St., Suite 407, Arlington, VA 22201
498. D. J. Ryan, KAPL, P.O. Box 1072, Mail Stop G1-289, Schenectady, NY 12301
499. Marie Saint Louis, EM-55, 12800 Middlebrook Rd., Germantown, MD 20874
500. R. D. Sanders, Sr., Manager of Environmental Compliance and Regulatory Affairs, Chem-Nuclear Geotek, P.O. Box 1400, Grand Junction, CO 81502-5504
501. Sandia National Laboratories, Environmental Programs, P.O. Box 5800, Albuquerque, NM 87185
502. M. D. Sandvig, Manager of Health, Safety and Security Planning and Oversight, Chem-Nuclear Geotek, P.O. Box 1400, Grand Junction, CO 81502-5504
503. William Savage, NE-13, E-461, U.S. Department of Energy, Washington, DC 20545
504. Randy Sayer, EG&G Idaho, P.O. Box 1645, MS 9206, Idaho Falls, ID 83415
505. Lt. Col. Bernie Schafer, HQ ESAC/JACE, Bolling AFB, DC 20332
506. Keith Schardein, IT Corporation, 5301 Central Avenue NE, Suite 700, Albuquerque, NM 87108
507. John Scheer, Defense Logistics Agency, DLA-WH, Cameron Station, Alexandria, VA 22304-6100
508. C. F. Schimikowski, General Electric Co., P.O. Box 1072, Bldg. A1, Rm. 227, Schenectady, NY 12301
509. John J. Schinkle, Director, Safety Programs Division, U. S. Department of Energy, Albuquerque Operations Office, P. O. Box 5400, Albuquerque, NM 87115
510. Robert L. Schlegel, NUS Corporation, 910 Clopper Road, P.O. Box 6032, Gaithersburg, MD 20877-0962
511. Kathleen Schmidt, U.S. DOE, EH-231, 1000 Independence Avenue, Washington, DC 20585
512. Owen C. Schmidt-App, BPA, P.O. Box 3621, Portland, OR 97208
513. Wendy Schmier, Westinghouse Idaho Nuclear Co., Inc., 1955 Freemont Avenue, P.O. Box 4000, Idaho Falls, ID 83403-5111
514. M. Paul Schmierbach, Chief, Tennessee Valley Authority, 226 Summer Place Building, 300 Summit Hill Drive, Knoxville, TN 37902
515. Craig Schmit, Energy & Environmental Research Center, University of North Dakota, Box 8213, University Station, Grand Forks, ND 58202
516. Sue Schneider, WEMCO, P.O. Box 398704, Cincinnati, OH 45239-8704
517. Allen Schubert, RCRA Program, T-441A, Rockwell International, Rocky Flats Plant, P.O. Box 464, Golden, CO 80402-0464
518. Jean Schumann, EH-23, U.S. DOE, 1000 Independence Avenue, Washington, DC 20585
519. Science Applications International Corporation, 405 S. 8th St., Suite 201, Boise, ID 83702
520. Randy Scott, EH-24, 3E-094, U.S. Department of Energy, 1000 Independence Avenue, Washington, DC 20585
521. Secretary of Air Force, SAS/MIQ, Rm 4C-916, Pentagon, DC 20330
522. A. R. Seepo, Schenectady Naval Reactors Office, P.O. Box 1069, Schenectady, NY 12301
523. Kevin Selby, Battelle-PNL, P. O. Box 999, MISN: P7-68, Richland, WA 99352

- 524. Richard F. Senk, U.S. DOE/EHD, P. O. Box 5400, Albuquerque, NM 87115
- 525. John Shaffer, Environmental Division, U.S. Department of Energy, P.O. Box A, Aiken, SC 29802
- 526. Dr. Richard B. Sheldon, General Electric Company, P.O. Box 8, Bldg. K-1, Room 3A15, Schenectady, NY 12301
- 527. Major Douglas R. Sherwood, 8535 Cirrus Court, Colorado Springs, CO 80920
- 528. George Sherwood, NE-82, E-451A, U.S. Department of Energy, Washington, DC 20545
- 529. J. Lynn Sichelstiel, CH<sub>2</sub>MHill, 599 Oak Ridge Turnpike, Oak Ridge, TN 37830
- 530. Mr. Tom Sims, Director, Environmental Planning Division, Air Force Regional Civil Engineer-Eastern Region, AFRCE-ER/ROV, 77 Forsyth St. S.W., Atlanta, GA 30335-6801
- 531. J. E. Sinor, 7960 Niwot Road, Box 649, Niwot, CO 80544
- 532. Peter Smiel, Knolls Atomic Power Lab, Kesselring Site Operations, 30050 Atomic Project Road, Ballston Spa, NY 12020-2817
- 533. D. Smith, DOE-HQ, Forrestal Bldg, DP-50, 1000 Independence Ave., Washington, DC 20585
- 534. Melissa W. Smith, Director, ES&H Division, DOE, Strategic Petroleum Reserve Project Management Office, 900 Commerce Road East, New Orleans, LA 70123
- 535. Gary Snodgrass, Nevada Operations Office, P.O. Box 98518, Las Vegas, NV 89109
- 536. C.A. Snyder, Bldg. T1308, EG&G Rocky Flats Inc., P.O. Box 464, Golden, CO 80402
- 537. D. J. Sommer, Westinghouse, P. O. Box 1970, Richland, WA 99352
- 538. Dale Sorensen, Babcock & Wilcox, P.O. Box 1469, MS-0301, Idaho Falls, ID 83403
- 539. David Stair, Bechtel, P.O. Box 350, Oak Ridge, TN 37831-0350
- 540. Chris Staley, EG&G Idaho, P.O. Box 1625, Idaho Falls, ID 83415-2110
- 541. Dr. J. B. States, Mgr., Idaho Falls Operations Office, Advanced Sciences, Inc., 477 North Shoup Avenue, Idaho Falls, ID 83402-3658
- 542. Franklin Steans, Department of the Interior, Office of Env Project Review, 18th & C Streets, N.W., Washington, DC 20240
- 543. Lee Stevens, U.S. DOE, EM-331, Trevion II Bldg., GTN, Washington, DC 20585
- 544. Jay Stimmel, Los Alamos National Laboratory, Mail Stop C920, Los Alamos, NM 87544
- 545. Larry Stirling, EH-231, 3G-089, U.S. Department of Energy, 1000 Independence Ave., Washington, DC 20585
- 546. Maryanne Strain, Knolls Atomic Power Laboratory, P.O. Box 545, Windsor, CT 06095
- 547. Maureen Sullivan, Department of Defense Environmental Office, 400 Army Navy Drive, #206, Arlington, VA 22202-2884
- 548. Echo Summers, SAIC, 101 S. Parke Ave., Suite 5, P.O. Box 50697, Idaho Falls, ID 83405
- 549. John Surmeir, Nuclear Regulatory Comm, Division of Waste Mngt, Mail Stop SS623, Washington, DC 20555
- 550. Denise Swink, FE-2, 4G-064, U.S. Department of Energy, 1000 Independence Avenue, Washington, DC 20585
- 551. Anthony Sy, DOE, San Francisco Operations Office/ER, 133 Broadway, Oakland, CA 94612

552. Anthony L. Takacs, Department of Energy, P.O. Box 700, Piketon, OH 45661
553. George Talley, Los Alamos National Laboratory, P.O. Box TA59, K-499, Los Alamos, NM 87544 (disk copy also)
554. Darwin M. Taras, US Army Material Command, AMCSF, 5001 Eisenhower Avenue, Alexandria, VA 22333
555. Bruce W. Taylor, General Electric-Knolls Atomic Power Laboratory, P.O. Box 545, Windsor, CT 06095
556. Dr. David W. Taylor, SAIC, P.O. Box 2501, 800 Oak Ridge Turnpike, Oak Ridge, TN 37831
557. Thomas Taylor, Professional Analysis, Inc., 1050 E. Flamingo Road, Suite 367, Las Vegas, NV 89119
558. Michael Teresinski, Basic Energy Sciences, U.S. DOE, Room ER-13, 1000 Independence Ave., SW, Washington, DC 20585
559. Colonel Stephen G. TerMAATH, Director of Environmental Planning, AFSCDEV, Andrews AFB, MD 20334-5000
560. Charles Terrell, Ecological Sciences Division, Soil Conservation Service, P. O. Box 2890, Washington, DC 20013
- 561-562. Lois Thompson, EH-231, GA-076, U.S. Department of Energy, 1000 Independence Ave., Washington, DC 20585
563. Robert Thompson, A-104, Environmental Protection Agency, Office of Federal Activities, 401 M Street, S.W., Washington, DC 20460
564. Donna Thurston, c/o SAIC MS 2-5-1, 1710 Goodridge Drive, McLean, VA 22102
565. David Tolle, U.S. DOE, Bldg. 617, Argonne National Laboratory, 9700 S. Cass Avenue, Argonne, IL 60439
566. Bob Toro, BDM, Inc., 12850 Middlebrook Road, Suite 300, Germantown, MD 20874
567. Ken Torrisi, ANE-463, FAA New England Region, 12 New England Executive Park, Burlington, MA 01803
568. Tom Traceski, EH-232, GA-076, U.S. Department of Energy, 1000 Independence Avenue, Washington, DC 20585
569. Thomas M. Treger, U.S. DOE, Environmental Restoration Division, Savannah River Operations Office, P.O. Box A, Aiken, SC 29802
570. Jerry Truitt, SAIC, P.O. Box 2501, 800 Oak Ridge Turnpike, Oak Ridge, TN 37831-2501
571. Kelly Tzoumis, DOE NTR EIS Review Group, 901 D Street, NW, Suite 90C, Washington, DC 20024
572. R. G. Upchurch, Westinghouse Hanford Company, P.O. Box 1970, Mail Stop H4-50, Richland, WA 99352
573. U.S. AEHA, Air Pollution Engineering Division, Attn: HSHB-ME-A/Major Pilcher, Aberdeen Proving Ground, MD 21010-5422
574. U.S. Department of Energy, P.O. Box 5400, Albuquerque Operations Office, Management Support Division, Albuquerque, NM 87115
575. U.S. Department of Energy, Albuquerque Operations Office, Environmental Protection Division, P.O. Box 5400, Albuquerque, NM 87115
576. U.S. Department of Energy, Savannah River Ops. Office, Environmental Division, P.O. Box A, Aiken, SC 29801
577. Edward Vallario, EH-33, G-122, U.S. Department of Energy, Washington, DC 20545

578. Tim Van Epp, CH<sub>2</sub>M Hill, P.O. Box 4400, Reston, VA 22090
579. LaDell Vance, H4-16, Westinghouse Hanford, P.O. Box 1970, Richland, WA 99352
580. Rebecca Vanscyoc, 9474 Kearny Villa Rd., Suite 103, San Diego, CA 92126
581. Arthur T. Vollmer, Jacobs Engineering Group, Inc., 5301 Central Avenue, NE, Suite 1400, Albuquerque, NM 87108
582. Thomas Wajtalik, Signal Place 4 North 32 C, 1100 Market Street, Chattanooga, TN 37402
583. Rob Waldman, Alaska Power Administration, Environmental, Safety, and Health Manager, P.O. Box 020050, Juneau, AK 99802
584. Juliet Walker, SAIC, 1710 Goodridge Drive, Mail Stop T2-5-1, McClean, VA 22101
585. Andy Wallo, EH-231, GA-076, U.S. Department of Energy, 1000 Independence Ave., Washington, DC 20585
586. Edward Wandelt, USPS, Real Estate and Bldg. Dept., 475 L'Enfant Plaza West, SW, Washington, DC 20260-6400
587. W. E. Ward, General Electric Co., P.O. Box 545, Bldg. 1, Windsor, CT 06095
588. Regan S. Weeks, Westinghouse Hanford Company, P.O. Box 1970, Mailstop H4-57, Richland, WA 99352
589. Randy Weigel, Westinghouse Savannah River Company, Environmental Protection Department, Bldg. 742-A, P.O. Box 616, Aiken, SC 29802
590. Roy F. Weston, Inc., 12800 Middlebrook Road, #207, Germantown, MD 20874-5201
591. Bill White, U.S. Department of Energy, Chicago Operations Office, 9800 South Cass Avenue, Argonne, IL 60439
592. Beverly Whitehead, U.S. DOE, EH-231, 1000 Independence Avenue, Washington, DC 20585
593. A. E. Whiteman, U.S. DOE, Rocky Flats Area Office, P.O. Box 928, Golden, CO 80401
594. William M. Wierzbicki, Building 707-F, Savannah River Site, Aiken, SC 29808
595. Debra J. Wilcox, ANL-W, P.O. Box 2528, Bldg. 774, Idaho Falls, ID 83403-2528
596. Ted Williams, EH-22, 4G-036, U.S. DOE, 1000 Independence Ave., Washington, DC 20585
597. Dr. W. Alexander Williams, A-104, Environmental Protection Agency, Office of Federal Activities, 401 M Street, S.W., Rm. 2125, Washington, DC 20460
598. Scott Willis, U.S. DOE, Alaska Power Administration, P.O. Box 50, Juneau, AK 99802
599. Michele Wilson, Westinghouse Savannah River Company, Environmental Protect Department, Building 742A, P.O. Box 616, Aiken, SC 29802
600. Eileen M. Wisser, WSO-6, P.O. Box 545, Windsor, CT 06095
601. Frank J. Wobber, Division of Ecological Research, Office of Health and Environmental Research, Office of Energy Research, MS-E201, Department of Energy, Washington, DC 20545
602. Mr. Paul J. Yaroschak, Dep. Dir., Environmental Quality Div, Naval Fac. Engr. Command (Code-112), 200 Stovall Street, Alexandria, VA 22332
603. Veronica Ybarra, Jacobs Engineering Group, 5301 Central Avenue, NE, Suite 1600, Albuquerque, NM 87108
604. Katherine L. Yuracko, Office of Management and Budget, 725 17th Street N.W., Room 8002, Washington, DC 20503

605-614. Office of Scientific and Technical Information, P.O. Box 62, Oak Ridge, TN 37831

615. OR-DOE, Assistant Manager, Energy Research and Development

2

3

4

5

6

7

ES  
1

RCRA (840-)	1
CERCLA (180-)	13
SARA (190-)	19
PPA (195-)	21
SDWA (880-)	22
CWA (140-)	26
CAA (120-)	33
NWPA (700-)	44
LLRWPA (740-)	45
AEA (100-)	47
UMTRCA (930-)	57
TSCA (920-)	57
HMTA (400-)	61
OSHA (780-)	70
ESA (200-)	78
MPRSA (460-)	80
NEPA (480-)	80
Archeological Resources Prot. (090-)	81
FIFRA (300-)	81
Federal Mine Safety & Health (330-)	83
Historic Sites Act of 1935 (410-)	84
Biotechnology (110-)	84
Pacific NW Elec.Pow&Cons (810-)	84
CZMA (160-)	85
Other (805-)	86
IRIS Table Update	89

ESD Library  
Bldg-1505