

***TABULAR SUMMARY
OF
RECURRING DOE
ENVIRONMENTAL REPORTS***



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PREFACE

The Office of Environmental Policy and Assistance, Resource Conservation and Recovery Act/Comprehensive Environmental Response, Compensation, and Liability Act (RCRA/CERCLA) Division (EH-413), is grateful for the support of the U.S. Department of Energy (DOE) elements that provided valuable comments and assistance during preparation of this document. The DOE elements are:

- * Office of Environmental Policy and Assistance, Air/Water/Radiation Division;
- * Office of Environmental Policy and Assistance, Compliance Assistance Division;
- * Office of NEPA Policy and Assistance;
- * Office of Business Performance Systems;
- * Office of Pollution Prevention;
- * Office of Strategic Planning and Analysis; and
- * Office of Operating Experience Analysis and Feedback.

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1.0 INTRODUCTION

1.1 Purpose

The purpose of this summary is to identify at one time and place: (1) all the recurring reports produced within the U.S. Department of Energy (DOE) characterizing the status of DOE's environmental compliance and (2) requirements for the reports [i.e., Federal statute (or its implementing regulation), Presidential Executive Order, or DOE Order]. This summary provides the user not only with a list of DOE-produced environmental reports but also, for each report, with information describing the driver of the requirement for the report, purpose, type of data, source, target audience, date, frequency, quality assurance, and availability.

1.2 Scope

1.2.1 Reports vs. Other Documents

This summary identifies and describes DOE-produced reports. Reports usually refer to the issuance of written statements about a set of conditions that has occurred in the past. However, in this summary the term "reports" is used in the generic sense of "documents." There are documents referring to a set of future conditions to be achieved or accomplished called "plans" that are included in this summary. An example is the *DOE Environment, Safety & Health Management Plan*. Recordkeeping requirements that do not mandate submission of a report are excluded from this tabular summary. For example, 40 CFR 761.180(a) requires a facility to maintain a written *Annual Document Log* of the disposition of PCBs and PCB Items. Because the *Log* does not have to be submitted or reported (although it has to be available for inspection), it is excluded.

1.2.2 Environmental Reports vs. Other Reports

The scope of this summary is limited to environmental reports. "Environmental" is defined to include the natural and human environment. For example, cultural resources are considered part of the human environment. However, health and safety reports, whether public or occupational, are excluded. For example, annual radiological exposure data summaries required by DOE M 231.1-1 are not covered in this summary.

1.2.3 Federal vs. State Required Reports

The scope of this summary is limited to Federal required reports. Because of the wide variation in requirements from state to state and the number of different states that have jurisdiction over environmental regulation of DOE facilities, state-required environmental reports are excluded.

1.2.4 Recurring vs. Non-Recurring Reports

During each year, DOE Headquarters and field elements prepare numerous environmental reports required by statute, regulation, Executive Order, or DOE Order. These environmental reports can be divided into recurring and non-recurring reports. A recurring report is one which must be made periodically on a regular basis. For example, a recurring report required by DOE Order 231.1, "Environment, Safety, and Health Reporting," is the *Annual Site Environmental Report*, which summarizes environmental data and characterizes environmental management performance for a DOE field facility each year. An example of a non-recurring report is the *One-Year Exception Report* for PCBs; 40 CFR 761.215(c) requires that a disposer who receives PCBs for disposal on a date more than nine months from the dates the PCBs were removed from service must submit this report to the EPA Regional Administrator.

Non-recurring reports tend to deal with single, isolated incidents affecting the environment, and thus, are not as valuable as reports covering consistent patterns of incidents. A non-recurring report is also contingent on the specific occurrence of an incident. The dependency of a report on a randomly occurring incident makes it difficult to know whether the absence of such a report over a period of time is due to the lack of an event that triggers the report or oversight in making the report. Also, the sheer volume of such non-recurring reports and their sources makes it difficult to manage such reports for consistency compared to that for recurring reports.

For these reasons, non-recurring reports are excluded from the scope of this summary.

1.2.5 NEPA-Related Reports

This summary includes two recurring National Environmental Policy Act (NEPA) reports: (1) *Annual Planning Summary* and (2) *Annual Mitigation Report*. The *Annual Mitigation Report* may be included in the *Annual Planning Summary*. The *Annual Mitigation Report* is required only until the mitigation is completed, which could be within one year, thus, requiring only one annual report. Environmental assessments (EAs) and environmental impact statements (EISs) are excluded from this summary because EAs and EISs are non-recurring reports.

1.2.6 Occurrence Notification Reports

Occurrence Notification Reports compiled in accordance with DOE Order 232.1 are not included in this tabular summary for a number of reasons. First, such reports deal with emergencies, unusual occurrences, and off-normal occurrences, which involve environment, safety, and health. Some effort would be required to separate the information in the reports pertaining to environmental incidents from those pertaining to safety and health. Second, they are for the most part considered non-recurring reports, which have been excluded from the summary. Third, *Occurrence Notification Reports* are stored in and retrieved from the Occurrence Reporting and Processing of Operations

System (ORPS) database.

Because *Occurrence Notification Reports* may contain classified information, access is restricted. DOE personnel who do not have access may contact Eugenia Boyle, Office of Operating Experience Analysis and Feedback (EH-33) at (301) 903-3393. With respect to public disclosure, all unclassified final *Occurrence Notification Reports* are available within two weeks of their final approval and unclassified versions of any such reports with classified information are available within four weeks of final approval. The public may access these reports by visiting the reading room of the nearest DOE facility or the DOE Headquarters Reading Room at the Forrestal Building, 1000 Independence Avenue, SW, Washington, DC.

1.3 Other EH-413 Guidance

There is other guidance available on environmental reporting, namely, "Federal Environmental Notification and Reporting Requirements Handbook" [OEPA (CERCLA) 001/1196 Rev.], produced by the Office of Environmental Policy and Assistance (EH-413). The user will find all of the non-recurring environmental reports required by Federal regulations listed in this particular guidance. Besides environmental reports, the user will find recordkeeping, and verbal notification requirements in this guidance.

Notwithstanding, the user will find three types of reports in this tabular summary and not in the aforementioned guidance. First, there are reports mandated by statutes (and not codified into regulations), Executive Orders, and DOE Orders. An example of a statutory reporting requirement (not codified into regulation) is the *Annual CERCLA 120 Report to Congress*. Second, this tabular summary includes reports pertaining to cultural resources. Third, this summary includes reports required by statutes enacted since 1990, the date of the aforementioned guidance, such as the Federal Facilities Compliance Act of 1992 and the National Defense Authorization Acts of 1994 and 1995.

2.0 EXPLANATION OF THE TABULAR SUMMARY

The tabular summary (starting on page S-1) consists of rows and columns. Each row contains the data entered for a particular environmental report. There are ten columns:

- Report Title
- Driver of the Requirement for the Report
- Purpose
- Type of Data
- Source of Report
- Target Audience
- Report Date
- Frequency of Report
- Quality Assurance
- Availability

The nine column headings following the Report Title are discussed in more detail as follows:

2.1 Driver of the Requirement for the Report

The driver of the requirement for the report is given as the Congressional statute, implementing regulation, Executive Order, or DOE Order. The entry for this column specifies the pertinent chapter (if applicable) and section numbers for DOE Orders (e.g., DOE Order 231.1, Chapter I, Section 1). For all others, the pertinent section number is provided [e.g., CERCLA Section 120(e)(5), 40 CFR 761.180(b)(3), and Executive Order 12088, Sections 1-401 to 1-403].

2.2 Purpose

The purpose of the report is briefly described in terms of the objectives that must be met. These objectives are either (1) summarized from the driver of the requirement for the report or (2) inferred from the type of data being requested and the use of the report.

2.3 Type of Data

The type of data found in the report is described. Both quantitative (e.g., cost estimates and volume of hazardous waste) and qualitative (e.g., status of remediation efforts and major accomplishments during the year) parameters are given.

2.4 Source of Report

The source of the report is the author or organization responsible for generating the required report. Occasionally, it is a DOE Headquarters element (e.g., EH-411). However, most often the organization responsible for generating the report is the DOE field element. The DOE field element is responsible for determining whether or not the requirement to prepare a report applies. In some cases applicability is clearly stated.

2.5 Target Audience

The target audience is the intended recipients of the report, such as a person [e.g., the Secretary of Energy (S-1)] or an organization (e.g., Congress). Intermediaries responsible for aggregating or "rolling up" individual reports into a single report (e.g., *Secretary's Report to Congress on Federal Archeological Program Activities*) also are indicated.

2.6 Report Date

The report date is the calendar date on which the report must be submitted. If the frequency of the report (see "Frequency" below) is more often than annual, then more than one date is given. For example, two dates are given for a semi-annual report.

2.7 Frequency

The frequency of the report is the number of times per year that the report must be submitted. Whether the year is a fiscal or calendar year is indicated. For certain reports, an annual review or update must be conducted, but actual submission of the report is required less frequently (e.g., triennially).

2.8 Quality Assurance

Quality assurance refers to the methodology used to ensure that the report or the data contained therein meets specific standards of quality. The most rigorous quality assurance is observed in reports (e.g., monitoring reports) that must be prepared under the auspices of the DOE interlaboratory quality assurance program coordinated by the DOE Environmental Measurements Laboratory, New York, NY. At the other extreme, the quality assurance is not known, is not specified in the requirements for the report, and must be assumed to be the sole responsibility of the source of the report.

2.9 Availability

Availability refers to the accessibility of the report by persons other than the source, intended target, and the official distribution list for the report. There are two types of availability: one is access within DOE and the other is access by the public.

As far as access within DOE is concerned, most reports can be obtained by a verbal or written request to the appropriate Point of Contact given in the entry in this particular column. However, there are a few instances where a report is intended only for a certain official (e.g., S-1).

As far as public disclosure is concerned, the availability of a report varies. Reports that are intended for a certain official (e.g., S-1) are generally not available to the public. On the other hand, there are a few instances where a report is required to be available to the public (e.g., *Annual Planning Summaries* and *Annual Mitigation Reports*). However, as a general rule, all reports having Congress as the target audience are available to the public. Also, all reports to EPA are available to the public through a Freedom of Information Act (FOIA) request unless the report contains confidential business information. Some reports to EPA are available without submission of a FOIA request. For example, *Discharge Monitoring Reports* should be available to the public by visiting or making an appointment to see the docket on file for the subject DOE facility at the appropriate EPA regional office or state regulatory agency. Whenever a report is available to the public via the Internet, the Internet address is given.

3.0 DESCRIPTION OF THE INDEX TO THE TABULAR SUMMARY

The following index allows the reader to cross-reference reports by a keyword. A keyword refers to a word of significant value for helping the reader determine whether a report is relevant. The keyword can be a particular statute (e.g., TSCA), Executive Order, or DOE Order mandating the report. The keyword can also be a topic (e.g., PCBs). Under the keyword is listed all the reports, in alphabetical order by title, pertinent to the keyword. For example, under the keyword "PCBs" can be found both of the recurring environmental reports produced within DOE pertaining to PCBs: *Annual Notice (PCBs)* and *Annual Report (PCBs)*.

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Abbreviations and Acronyms

ARPA -- Archaeological Resources Protection Act

CERCLA -- Comprehensive Environmental Response, Compensation and Liability Act

CFR -- Code of Federal Regulations

EA -- Environmental Assessment

EH -- Assistant Secretary for Environment, Safety and Health

EH-1 -- Office of Assistant Secretary for Environment, Safety and Health

EH-7 -- Deputy Assistant Secretary for Planning and Administration

EH-33 -- Office of Operating Experience Analysis and Feedback

EH-41 -- Office of Environmental Policy and Assistance

EH-411 -- Compliance Assistance Division

EH-412 -- Air, Water, and Radiation Division

EH-413 -- RCRA/CERCLA Division

EH-42 -- Office of NEPA Policy and Assistance

EH-73 -- Office of Business Performance Systems

EIS -- Environmental Impact Statement

EM -- Assistant Secretary for Environmental Management

EM-24 -- Office of Strategic Planning and Analysis

EM-35 -- Office of Planning and Analysis

EM-43 -- Office of Program Integration

EM-77 -- Office of Pollution Prevention

Abbreviations and Acronyms (continued)

EPA -- U.S. Environmental Protection Agency

FFCA -- Federal Facilities Compliance Act

HQ -- Headquarters

IAG -- Interagency Agreement

NEPA -- National Environmental Policy Act

NESHAPs -- National Emissions Standards for Hazardous Air Pollutants

NPL -- National Priorities List

NRHP -- National Register of Historic Places

OFPP -- Office of Federal Procurement Policy (Executive Office of the White House)

OMB -- Office of Management and Budget

PCB -- Polychlorinated biphenyl

RCRA -- Resource Conservation and Recovery Act

RCRIS -- RCRA Information System

RI/FS -- Remedial Investigation/Feasibility Study

S-1 -- Office of the Secretary of Energy

SARA -- Superfund Amendments and Reauthorization Act

SDWA -- Safe Drinking Water Act

TRI -- Toxic Release Inventory

TSCA -- Toxic Substances Control Act

UIC -- Underground Injection Control

Tabular Summary of DOE Environmental Reports

Report Title	Driver of Requirement for the Report	Purpose	Type of Data	Source of Report	Target Audience	Report Date	Frequency of Report	Quality Assurance	Availability
<i>Annual CERCLA 120 Report to Congress</i>	CERCLA § 120(e)(5)	Summarize progress in implementing the requirements of CERCLA § 120, "Federal Facilities."	(1) Progress in reaching interagency agreements (IAGs) under CERCLA § 120(e)(1) & (2), (2) cost estimates for each IAG, (3) public comments on each IAG, (4) failures to reach an IAG, (5) progress in conducting RI/FSs at NPL sites, (6) progress in conducting remedial activities at NPL sites, and (7) progress in conducting activities at non-NPL sites. On a state-by-state basis, the report must describe the status of each facility with respect to response actions, enforcement actions, plans, and schedules.	DOE HQ EM-43	Congress and each affected state	No date given in CERCLA § 120(e); however, DOE has the report ready by August of the year following the year being reported.	Annually (fiscal year)	EM-43 is responsible for quality assurance.	DOE HQ EM-43 DOE HQ EH-411 Available through the Office of Scientific and Technical Information at (423) 576-8401 or P.O. Box 62, Oak Ridge, TN 37831
<i>Annual Notice (PCBs)</i>	40 CFR 761.60(f)(1)	Notify State and local governments (upon their request) of states/municipalities in which a PCB chemical waste landfill, incinerator, or alternative destruction technology is located about PCBs disposed of during the year.	Quantities and description of the disposed PCB waste	Each DOE field element that disposes of PCB waste	State or local government	No later than 30 days after the end of the calendar year being reported	Annually (calendar year)	DOE field element is responsible for quality assurance. The <i>Annual Notice</i> should be consistent with the on-site Annual Document Log (PCBs) and <i>Annual Report (PCBs)</i> .	TSCA point of contact for the DOE facility (partial list available from EH-413); public may direct information requests to the appropriate State and local jurisdictions.
<i>Annual Progress Report to Congress</i>	Federal Facility Compliance Act (FFCA), Section 3021	Summarize progress in meeting the requirements of the FFCA.	(1) By facility, list of mixed waste treatment plans that have been submitted to States or the EPA; (2) status of state and EPA review and approval of each plan; (3) number of orders requiring compliance with such plans that are in effect; and (4) for the first two progress reports, list of the plans required to be submitted within the next 12 months by the Secretary of Energy.	DOE HQ EM-35	Congress	October of 1993, 1994, and 1995. Although the last required report was for 1995, an additional report is planned for 1996.	Annually (calendar year)	EM-35 is responsible for quality assurance.	Available on the Internet (http://www.em.doe.gov/ffcabb)

Tabular Summary of DOE Environmental Reports

Report Title	Driver of Requirement for the Report	Purpose	Type of Data	Source of Report	Target Audience	Report Date	Frequency of Report	Quality Assurance	Availability
<i>Annual Report (PCBs)</i>	40 CFR 761.180(b)(3)	Summarize records and Annual Document Log (PCBs) for EPA Region.	(1) Weight of bulk PCB waste; weight of PCB waste in PCB Transformers, PCB Large High or Low Voltage Capacitors, PCB Articles, and PCB Containers broken down by storage, receipt, and generation during calendar year; (2) total numbers of PCB Transformers, PCB Large or Low Voltage Capacitors, PCB Article Containers, and PCB Containers, each broken down by storage & disposal during calendar year; and (3) list of the numbers of all signed manifests of PCB waste initiated or received.	Each DOE facility that disposes of PCBs	EPA Region	July 15 of the year following the year being reported	Annually (calendar year)	DOE field element is responsible for quality assurance. The <i>Annual Report</i> should be consistent with the on-site Annual Document Log (PCBs) and <i>Annual Notice (PCBs)</i> .	TSCA point of contact for the DOE facility (partial list available from EH-413); EPA Regional Federal Facilities Coordinator
<i>Annual Report (Underground Injection Control Program)</i>	Safe Drinking Water Act (SDWA), Section 1424; 40 CFR 144.14(c)(6) and RCRA, 40 CFR 264.75 (or 40 CFR 265.75) and 40 CFR 270.60(b) Note: SDWA regulations require that well operators follow RCRA reporting requirements.	Summarize hazardous waste injection activities; assist States in preparing their hazardous waste capacity assurance plans under CERCLA; and communicate the findings to the public.	(1) All hazardous waste and acutely hazardous waste disposed of; (2) all hazardous waste received from off-site; (3) all hazardous waste regulated by the State; (4) all hazardous waste managed in units exempt from RCRA permitting; (5) radioactive wastes mixed with RCRA hazardous waste; (6) hazardous waste generated as a result of RCRA corrective action or other remedial activity; and (7) RCRA hazardous waste generated at a CERCLA remediation site. Also, sites are requested to document the capacity (both RCRA and total) for each on-site hazardous waste treatment, storage, or recycling process system(s) and the influent/effluent quantities for such process system(s).	Each DOE facility subject to the Underground Injection Control program	EPA, State regulatory authorities (for EPA-approved State Underground Injection Control programs), and the public	March 1 of each even-numbered year	Biennially, but some authorized States require annual reporting.	States and EPA Regions perform data quality checks using tools provided in their RCRA Biennial Reporting System.	DOE and DOE Contractors: Point of contact for water compliance issues (list available from EH-412) Public: on the Hazardous Waste RCRA Subtitle C home page (http://www.epa.gov/epaoswer/hazwaste/data/index.htm)
<i>Annual Report Analyzing Enforcement Actions Against DOE and DOE Contractors</i>	S-1 Memorandum of August 18, 1993, "Guidance on Reporting Procedures for Enforcement Actions Related to Violations of Environmental Regulations"	Summarize enforcement actions and recommend means to improve DOE environmental performance.	Breakdown of all enforcement actions by degree of severity, type of regulatory agency, DOE facility, EPA region, statute, fine and/or penalty, origin (reporting source); discussion of recidivism rate, and compliance with Secretary's Directive.	DOE HQ EH-411	S-1	No date specified; last report was for 1995. (This report was terminated because the information duplicates the DOE Performance Indicator Reports.)	Annually (fiscal year -- changed to annual calendar year for 1995)	EH-411 is responsible for quality assurance; the report should be consistent with enforcement actions reported in the <i>Annual Site Environmental Report (ASER)</i> and non-recurring Occurrence Notification Reports.	Intended for S-1 use only

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Report Title	Driver of Requirement for the Report	Purpose	Type of Data	Source of Report	Target Audience	Report Date	Frequency of Report	Quality Assurance	Availability
<i>Annual Site Environmental Report (ASER)</i>	DOE Order 231.1, Chapter I, Section 1	Characterize site environmental performance and compliance with environmental requirements, and describe significant programs and efforts.	(1) Data on all effluent releases, (2) results of environmental monitoring, (3) estimates of radiological doses to public associated with releases, (4) summary of enforcement actions, and (5) summary of proactive or reactive programs and efforts.	Each DOE facility with activities having potentially significant effect on the environment	EH-1, EPA, and the public	October 1 of the year following the year being reported	Annually (calendar year)	Each DOE field element submits its ASER to EH-411 for reviews; the data should be consistent with the data in the Computer Tracking System for Enforcement Actions and Occurrence Notification Reports.	Point of contact for environmental compliance issues for the DOE facility (list available from EH-411) Some sites may provide the report to the public through the Internet.
<i>Annual Report of Waste Generation and Pollution Prevention Progress</i>	DOE Order 5400.1, Executive Order 12856, and Executive Order 12873	Report department-wide pollution prevention progress and recycling/reuse progress for complying with E.O. 12873 and meeting Secretarial pollution prevention goals.	(1) Waste generated by waste types, (2) recycle/reuse quantities, and (3) waste reduction and cost savings from pollution prevention projects.	Each site generating waste exceeding certain threshold values forwards a report to the Office Of Pollution Prevention (EM-77).	Federal Environmental Executive at EPA, DOE Pollution Prevention Executive Board, DOE Managers, States, and public	August 1 of the year following the year being reported (starting with the 1996 report)	Annually	Site is responsible for quality assurance.	DOE & DOE contractors: Office of Scientific and Technical Information (423) 576-8401 or P.O. Box 62, Oak Ridge, TN 37831 Public: Center for Environmental Management Information at (800) 736-3282 or P.O. Box 23769, Washington, DC 20026
<i>Baseline Environmental Management Report</i>	1994 National Defense Authorization Act § 3153 and 1995 National Defense Authorization Act § 3160	Provide a total life-cycle cost estimate and anticipated schedule of projects and activities for shutdown, remediation, and transition of surplus nuclear weapons facilities.	(1) Total cost of the EM program; and for each EM site project or activity: (2) description, (3) environmental problems, (4) proposed remedies, (5) cost, (6) schedule, (7) personnel and facilities required, (8) pollution prevention, and (9) research & development necessary to develop technologies for EM.	DOE HQ EM-24	Congress	No later than 30 days after the date on which the President submits to Congress the budget for the fiscal year	Annually (fiscal year)	EM-24 is responsible for quality assurance.	Available to public through Center for Environmental Management Information at (800) 736-3282 or P.O. Box 23769, Washington, DC 20026
<i>Class I Hazardous Well Quarterly Report</i>	Safe Drinking Water Act, Section 1424 and 40 CFR 146.69	Characterize fluids being injected into wells, results of monitoring, and results of periodic tests of mechanical integrity.	(1) Maximum injection pressure; (2) description of exceedances of permit-stipulated operating parameters or injection pressure; (3) description of events triggering an alarm or shutdown; (4) total volume of fluid injected; (5) any change in the annular fluid volume; (6) physical and chemical characteristics of injected fluids; (7) results of monitoring for corrosion, migration, seismicity, and water quality; (8) results of periodic tests of mechanical integrity; (9) results of any other required tests; and (10) any well workover.	Each DOE facility with a Class I Hazardous Well	EPA or State regulatory authority (for EPA-approved State Underground Injection Control program).	No date specified	Quarterly	The DOE facility generating the report is responsible for quality assurance.	Point of contact for water compliance issues for the DOE facility (list available from EH-412); EPA Regional Federal Facilities Coordinator

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Report Title	Driver of Requirement for the Report	Purpose	Type of Data	Source of Report	Target Audience	Report Date	Frequency of Report	Quality Assurance	Availability
<i>Class I Nonhazardous Well Quarterly Report</i>	Safe Drinking Water Act, Section 1424 and 40 CFR 146.13(c)	Characterize fluids being injected into wells and monitoring results of any migration into drinking water sources.	(1) Physical and chemical characteristics of injection fluids; (2) monthly average, maximum, and minimum values for injection pressure, flow rate, and volume, and annular pressure; (3) monitoring results of any migration of injected fluids into drinking water sources; (4) results of periodic mechanical integrity tests; (5) results of any other required tests; and (6) any well workover.	Each DOE facility with a Class I Nonhazardous well	EPA or State regulatory authority (for EPA-approved State Underground Injection Control program)	No date specified	Quarterly	The DOE facility generating the report is responsible for quality assurance.	Point of contact for water compliance issues for the DOE facility (list available from EH-412); EPA Regional Federal Facilities Coordinator
<i>Class II Well Annual Report</i>	Safe Drinking Water Act, Section 1424 and 40 CFR 146.23(c)	Summarize injection parameters, changes in characteristics or source of injected fluids, and test results.	(1) Injection pressure, flow rate, and cumulative volume; (2) results of periodic tests for mechanical integrity	Each DOE facility with a Class II Well	EPA or State regulatory authority (for EPA-approved State Underground Injection Control program).	No date specified	Annually	The DOE facility generating the report is responsible for quality assurance.	Point of contact for water compliance issues for the DOE facility (list available from EH-412); EPA Regional Federal Facilities Coordinator
<i>Class III Well Quarterly Report</i>	Safe Drinking Water Act, Section 1424 and 40 CFR 146.33(c)	Summarize injection parameters and results of periodic tests and monitoring	(1) Injection pressure, (2) either flow rate or volume, (3) results of periodic tests of mechanical integrity, and (4) results of monitoring of fluid levels in injection zone and of water quality out of the injection zone.	Each DOE facility with a Class III Well	EPA or State regulatory authority (for EPA-approved State Underground Injection Control program).	No date specified	Quarterly	The DOE facility generating the report is responsible for quality assurance.	Point of contact for water compliance issues for the DOE facility (list available from EH-412); EPA Regional Federal Facilities Coordinator
<i>Cultural Resource Management Plan</i>	EH-231 Memorandum of February 23, 1990, "Management of Cultural Resources at DOE Facilities"	Identify and inventory cultural resources; articulate strategies for the preservation and protection of these resources in accordance with cultural resource management statutes and their implementing regulations.	Inventory of sites with cultural resources (site number, type, date or period, and NRHP status); list of cultural resource management plan accomplishments; and methods of protection and preservation.	Each DOE facility with cultural resources	DOE Federal Preservation Officer, EH-412.	No date specified	Update as necessary; date for periodic review not mandated.	Only information on sites submitted for review by the State Historic Preservation Officer can be regarded as officially checked for quality assurance.	Not generally available to the public except for information on a DOE undertaking affecting a specific historic property; location of sacred sites and archeological sites generally kept confidential.
<i>Discharge Monitoring Report</i>	40 CFR 122.41	Report the results of monitoring each pollutant covered by the National Pollution Discharge Elimination System (NPDES) permit.	Mass (concentration or other measurement unit) of each pollutant covered in the permit; volume of effluent discharged from each outfall; and other data as appropriate, such as pollutants in internal waste streams and intake water, and frequency or rate of discharge.	Each DOE facility with a NPDES permit	EPA Region or State regulatory authority (with EPA-approved program).	Established in the permit on a case-by-case basis	Frequency specified in the permit but no less than once per year	Permittee is responsible for adequate laboratory controls and quality assurance procedures; all monitoring records, including all calibration and maintenance records, must be retained for 3 years from the date of recording.	DOE and DOE Contractors: Point of contact for water compliance issues for the DOE facility (list available from EH-412) Public: compiled by EPA on magnetic media (3.5 inch diskettes) under the title, <i>Pollution Compliance System (PCS)</i> , from National Technical Information Service at (703) 487-4650 or 5285 Port Royal Road, Springfield, VA 22161.

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Report Title	Driver of Requirement for the Report	Purpose	Type of Data	Source of Report	Target Audience	Report Date	Frequency of Report	Quality Assurance	Availability
<i>DOE Environment, Safety & Health Management Plan</i>	The plan is EH's response to the Secretary of Energy's Strategic Plan of 1994 and other information requirements, including annual budget requests and Congressional decisions regarding DOE's annual budget request.	Provide consistency in managing and reporting ES&H activity costs; encourage integrated, proactive ES&H programs; promote adherence to the Unified Field Budget Call guidelines; and further the use of risk-based management for all ES&H activities.	(1) Accomplishments of previous planning cycles, (2) adjustments expected in existing multi-year plans, (3) department-wide ES&H investment summary, and (4) ES&H investment summary breakdown by DOE program office.	Cognizant Secretarial Officers submit their ES&H Five-Year Plans to EH-7 for department-wide compilation.	Congress, Office of Management and Budget, and Secretary of Energy	about January of each year	Annually (fiscal year)	Each Cognizant Secretarial Officer is responsible for the quality assurance of the input provided for the plan.	DOE and DOE contractors: Office of Scientific and Technical Information (423) 576-8401 or P.O. Box 62, Oak Ridge, TN 37831 Public: National Technical Information Service (703) 487-4650 or 5285 Port Royal Road, Springfield, VA 22161
<i>DOE Performance Indicator Report</i>	DOE Order 210.1 and DOE M 231.1-1, Chapter II, Section 6	Measure the performance of DOE operations using environment, safety, and health indicators.	Environmental indicators include: radiation dose to the public, occurrences of reportable quantity releases to the environment, toxic chemical releases and disposals, environmental permit exceedances, enforcement actions for environmental noncompliance, fines and penalties for environmental enforcement actions, environmental compliance milestones met, and waste minimization/pollution prevention.	EH-33 is lead office for compiling the report. However, most of the data for environmental indicators originates at EH-411.	S-1 and the public (via Internet)	End of each calendar quarter for the previous quarter	Quarterly	EH-411 is responsible for quality assurance of data for environmental indicators. The data should be consistent with the data in the EH-411 Computer Tracking System for Enforcement Actions and Occurrence Notification Reports.	Although intended for S-1 use, the report is available to the public for downloading from the Internet. (http://nattie.eh.doe.gov:80/web/oeaf/).
<i>Emergency and Hazardous Chemical Inventory Reporting</i>	Superfund Amendments and Reauthorization Act, Title III (also known as the Emergency Planning and Community Right-to-Know Act of 1986), Section 312; 40 CFR 370.20 and 40 CFR 370.25; and Executive Order 12856, Section 3-305	Furnish information on hazardous chemicals present on a site to the local community for emergency response and public health planning priorities.	Tier I: Aggregation, by hazard categories (e.g., reactivity), of the maximum and average daily amount of hazardous chemicals present, and general locations where each hazard category is found (i.e., building name, tank field, lot, shed, or other area). Tier II: Includes Tier I information and identifies specific hazardous chemical name(s) and manner of storage.	Each DOE facility that has on the premises: (1) 10,000 or more pounds of a hazardous chemical, or (2) 500 or more pounds or a quantity equal to or greater than the threshold planning quantity (whichever is less) of an extremely hazardous substance.	State Emergency Response Commission, Local Emergency Planning Committees, and the local fire department with jurisdiction over the facility	March 1 for the previous calendar year	Annually	State Emergency Response Commissions and Local Emergency Planning Committees perform data quality checks using internal tools.	Tier I information may be verbally requested from State Emergency Response Commissions or Local Emergency Planning Committees; Tier II information must be requested in writing from either of the same two agencies.
<i>Environmental Monitoring Plan</i>	DOE Order 5400.1, Chapter IV, Section 4	Provide rationale and design criteria for the environmental monitoring (radiological, meteorological, and surface water) of a facility; describe effluent monitoring and environmental surveillance. (Note: for groundwater, see <i>Groundwater Protection Management Program Plan</i>)	Extent and frequency of measurements, procedures for laboratory analyses, quality assurance requirements, implementation procedures, and disposition of reports.	Each DOE facility that discharges pollutants to the environment	DOE HQ EH-411	No date specified	Reviewed annually and updated triennially	In accordance with DOE Order 5700.6C, "Quality Assurance." Also, EH-411 reviews each report submission for changes from the previous submission.	Point of contact for environmental compliance issues (list available from EH-411)

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Report Title	Driver of Requirement for the Report	Purpose	Type of Data	Source of Report	Target Audience	Report Date	Frequency of Report	Quality Assurance	Availability
<i>Environmental Protection Implementation Plan (EPIP)</i>	DOE Order 5400.1, Chapter III, Section 2	Provide management direction, assign responsibilities and authorities, and ensure DOE facilities are managed to protect environmental quality and public health.	Environmental protection goals and objectives for the organization; strategies and timetables for attaining them; and roles and responsibilities for environmental compliance activities, policies, and facility operating procedures.	Each DOE facility that discharges pollutants to the environment	DOE HQ EH-411	No date specified	Annually	Reviewed by EH-411	Point of contact for environmental compliance issues (list available from EH-411)
<i>Excess Emissions and Monitoring Systems Performance Report</i>	40 CFR 60.7(c)	Summarize data on emissions exceeding permitted levels.	Magnitude, date, time, and duration of excess emissions; nature, cause of, and corrective action for any malfunction at the facility associated with excess emissions; 6-minute averages of data from continuous monitoring of opacity; and 1-hour averages of data from continuous monitoring of measurements other than opacity.	Each DOE facility required to install a continuous monitoring system under the Clean Air Act	EPA	30th day following the end of each calendar half (or quarter as appropriate).	Semi-annually except when quarterly reporting is required (1) by an applicable subpart of 40 CFR Part 60 or (2) when data are used for compliance determination.	All facilities must maintain a file of all performance testing measurements, calibration checks, adjustments, and maintenance performed.	Point of contact for Clean Air Act compliance (list available from EH-412); EPA Regional Federal Facilities Coordinator
<i>Executive Order 12856, Federal Compliance with Right-to-Know Laws and Pollution Prevention Requirements, Annual Report</i>	Executive Order 12856, Section 4-402	Describe agency's progress in complying with all aspects of Executive Order 12856.	(1) Compliance with Sections 302-304 and 311-313 of the Emergency Planning and Community Right-to-Know Act, (2) progress towards goals of 50% reduction in releases and transfers of Section 313 chemicals, (3) status on implementation of pollution prevention plans, (4) summary of activities to reduce manufacture, process, and use of Section 313 chemicals, (5) description of development and testing of pollution prevention technologies, and (6) highlights of efforts to inform the public of compliance with the Executive Order.	EH-413	EPA, DOE field elements, and the public.	October 31	Annually	Reviewed by DOE Headquarters Waste Reduction Steering Committee and Field Pollution Prevention Coordinators.	Accessible through EH-413 website by clicking on "Environmental data and reporting" at (http://tis-nt.eh.doe.gov/oepa/)

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Report Title	Driver of Requirement for the Report	Purpose	Type of Data	Source of Report	Target Audience	Report Date	Frequency of Report	Quality Assurance	Availability
<i>Federal Archeological Program Activities Report</i>	Archaeological Resources Protection Act (ARPA), Sections 10(c) and 13	Summarize data on department-wide archeological programs and projects.	(1) Highlights of outstanding projects, (2) accomplishments in public education in archeology, (3) number and cost of archeological overviews and planning studies, (4) number and cost of archeological identifications and evaluation investigations, (5) number and cost of archeological data recovery projects, (6) number and cost of unanticipated archeological discoveries, (7) description of archeological information management, (8) cubic feet of stored artifacts and percentage catalogued, (9) baseline information on extent and quality of knowledge about archeological resources, (10) number or use of ARPA permits, and (11) ARPA law enforcement activities.	DOE Federal Preservation Officer (EH-412) rolls-up input from all DOE facilities with archeological sites and forwards the roll-up to the Secretary of the Interior, National Park Service, Departmental Consulting Archeologist.	Congress via the Secretary of the Interior, National Park Service, Departmental Consulting Archeologist	March of the following year for the previous fiscal year	Annually	Reviewed by EH-412	Available in compiled form, "Secretary's Report to Congress on Federal Archeology," from the U.S. Department of the Interior, National Park Service, Departmental Consulting Archeologist
<i>Groundwater Protection Management Program Plan</i>	DOE Order 5400.1, Chapter III, Section 4a.	Design and implement a groundwater monitoring program to protect groundwater and to comply with SDWA, CERCLA and RCRA.	Quantity and quality of groundwater regime; areas contaminated with hazardous substances; and strategies for controlling sources of contaminants and for decontamination and decommissioning and other remediation programs.	Each DOE facility with hazardous substance activities that could affect groundwater	DOE HQ EH-411	No date specified	Reviewed annually and updated triennially; (may be included as an element of the Environmental Monitoring Plan).	In accordance with DOE Order 5700.6C, "Quality Assurance." EH-411 reviews a report submission for changes from the previous submission.	Point of contact for environmental compliance issues (list available from EH-411); EH-411 also has copies.
<i>National Environmental Policy Act (NEPA) Reports</i> <i>Annual Planning Summary</i>	DOE Order 451.1, Sections 4d and 5a(7)	Identify planned environmental assessments and environmental impact statements early.	Describes (1) status of ongoing NEPA compliance activities, (2) EAs expected to be prepared in the next 12 months, (3) EISs expected to be prepared in the next 24 months, and (4) planned cost and schedule for each NEPA review identified.	DOE Secretarial Officers and Heads of DOE Field Organizations	EH, other DOE offices, and the public	January 31 of each year	Annually	Quality assurance is the responsibility of the organization preparing the document.	DOE Secretarial Officers and Heads of Field Organizations
<i>Annual Mitigation Report</i>	DOE Order 451.1, Sections 4g, 5a(9)(f), 5b(5), and 5d(11)(f)	Track progress in meeting mitigation commitments.	Describes progress in implementing and effectiveness of mitigation measures.	Secretarial Officers and Heads of DOE Field Organizations	EH, other DOE offices, and the public	On the anniversary of a mitigation action plan or combined with the <i>Annual Planning Summary</i> .	Annually	Quality assurance is the responsibility of the organization preparing the document.	DOE NEPA Compliance Officers

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Report Title	Driver of Requirement for the Report	Purpose	Type of Data	Source of Report	Target Audience	Report Date	Frequency of Report	Quality Assurance	Availability
<i>National Environmental Policy Act (NEPA) Reports (continued)</i> <i>Lessons Learned Quarterly Report</i>	DOE Order 451.1, Sections 4f, 5d(3), 5e(8), and 5g(6)	Provide for continuous improvement in the DOE NEPA program.	Contains lessons learned during the NEPA process and the cost and time of each NEPA review.	Office of NEPA Policy and Assistance (EH-42) solicits input from NEPA Document Managers, NEPA Compliance Officers, and others involved in the NEPA process.	DOE's NEPA community and Counsel at DOE Headquarters and Operations Offices	March, June, September, and December	Quarterly	Quality assurance is the responsibility of the organization preparing the document.	Office of NEPA Policy and Assistance (EH-42) Available to public through NEPA web site (http://tis-nt.ch.doe.gov/nepa)
<i>NESHAPs Fugitive Emissions Sources Report</i>	40 CFR 61.247(b)	Report equipment leaks of hazardous air pollutants.	For each month, an inventory of the number of (1) leaking valves and unrepaired leaking valves, (2) leaking pumps and unrepaired leaking pumps, and (3) leaking compressors and unrepaired leaking compressors; an explanation of any delay in repair and why shut-down was not feasible.	Each DOE facility using chemicals classified as hazardous air pollutants	EPA	Designated in the initial report required by 40 CFR 61.247(a)(1)	Semi-annually	Results of all performance tests and monitoring to detect emissions must be included in this report.	Point of Contact for Clean Air Act compliance (list available from EH-412)
<i>Pollution Abatement Planning Annual Report</i>	Executive Order 12088, Sections 1-401 to 1-403; Executive Order 12856, Section 4-402; and OMB Circular A-11 (formerly A-106) (A-11 now also called "FEDPLAN")	Provide a plan for the control of environmental pollution through improvements in design, construction, management, operation, or maintenance.	Description of pollution abatement projects and estimates of their costs	Each DOE facility with activities having potential significant effect on the environment submits data to EH-7, which then forwards the roll-up to EPA.	EPA and OMB	September 1 of each year, with budget submission	Annually	Reviewed by EH-411	EH-411 and EPA HQ (which sends to EPA Regions)
<i>Radioactive Effluent and On-Site Discharge Data Report</i>	DOE Order 5400.1, Chapter II, Section 5	Summarize all radioactive effluent streams and on-site discharges.	Locations and quantities of effluent streams and on-site discharges	Each DOE facility using radionuclides	Waste Information Systems Branch, EG&G, Idaho Falls, ID	April 1 for the previous calendar year	Annually	Each reporting DOE field element is responsible for quality assurance. All DOE and DOE-Contractor laboratories doing analytical work in environmental radiological monitoring must participate in the DOE interlaboratory quality assurance program coordinated by the DOE Environmental Measurements Laboratory, New York, NY.	See <i>Summary of Radionuclide Air Emissions from DOE Facilities</i> for discharges to air, <i>Discharge Monitoring Report</i> for discharges to water, and <i>Toxic Chemical Release Inventory (TRI) Report</i> for all other discharges.
<i>RCRA Agency Summary Report</i>	RCRA, Section 6002; Executive Order 12873, Sections 301 and 601	(1) Report progress toward achieving the review and revision of specifications, product descriptions, and standards to enhance the procurement of recycled and preferred products; (2) report DOE's purchases of EPA-designated guideline items; and (3) report progress toward attaining goals for solid waste prevention and recycling.	(1) Total dollar value of designated commodities purchased, designated commodities purchased with recycled content, and impediments to purchase of recycled items; (2) discussion of specification review and modifications; (3) value and weight of solid waste disposed; and (4) recycling program description.	All department elements, including program offices and field elements, submit their reports to the Office of Pollution Prevention (EM-77).	Office of Management and Budget/Office of Federal Procurement Policy; Office of Federal Environmental Executives	February 1, 1996. (The date varies slightly from year to year as decided by Office of Federal Procurement Policy.)	Annually (fiscal year)	Sites are responsible for quality assurance.	DOE's submission to Office of Federal Procurement Policy is not generally available to the public; however, Office of Federal Procurement Policy's submission to Congress should be available to the public.

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Report Title	Driver of Requirement for the Report	Purpose	Type of Data	Source of Report	Target Audience	Report Date	Frequency of Report	Quality Assurance	Availability
<i>RCRA Biennial Report</i>	Resource Conservation and Recovery Act (RCRA), Section 3002(a)(6) and 40 CFR 262.41 (for generators) and RCRA, Section 3004 and 40 CFR Part 264 and 265.75 (for Treatment, Storage, and Disposal Facilities)	Summarize hazardous waste generation, management, and waste minimization activities; assist States in preparing their hazardous waste capacity assurance plans under CERCLA; and communicate the findings to the public.	(1) All hazardous waste and acutely hazardous waste generated; shipped off-site; or treated, disposed, or recycled at DOE site; (2) all hazardous waste received from off-site; (3) all hazardous waste regulated by the State; (4) all hazardous waste managed in RCRA-permitted units; (5) all hazardous waste in units exempt from RCRA permitting; (6) radioactive wastes mixed with RCRA hazardous waste; (7) hazardous waste generated as a result of RCRA corrective action or other remedial activity; and (8) RCRA hazardous waste generated at a CERCLA remediation site. Also sites are requested to give the capacity (both RCRA and total) for each on-site hazardous waste treatment, storage, or recycling process system(s) and the influent/effluent quantities for such process system(s), regardless of the unit's RCRA status.	Each DOE facility meeting the definition of large quantity generator (1,000 kg or more of hazardous waste in a single month); or any DOE facility that treats, stores, or disposes of RCRA hazardous wastes on-site in RCRA-permitted units.	EPA and States with EPA-authorized programs	March 1 of each even numbered year for the two previous calendar years	Biennially, but some authorized States require annual reporting.	States and EPA Regions perform data quality checks using tools provided in Biennial Reporting System.	Hazardous Waste RCRA Subtitle C home page (http://www.epa.gov/epaoswer/hazwaste/data/index.htm)
<i>RCRA Corrective Action Program Report</i>	40 CFR 264.100(g)	Indicate which nationally-defined core events (i.e., RCRA Facility Assessment, RCRA Facility Investigation, or Corrective Measures Study) have occurred for DOE sites subject to corrective action.	Facility name, facility identification number, address, and "flags" indicating core events completed in RCRA corrective action process.	Each DOE facility subject to RCRA corrective action	EPA and States with EPA-authorized programs	No date specified; report deadlines are prescribed in site-specific permits.	Semi-annually	Each DOE facility generating a report is responsible for quality assurance. However, when the data are entered into the RCRA Information System (RCRIS), there are some internal consistency tools that are applied.	EPA or State regulatory authority and EPA's RCRA Information System (RCRIS) National Oversight Database. RCRIS accessible through the Internet (http://www.epa.gov/enviro/html/rcris/rcris_query.html)

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Report Title	Driver of Requirement for the Report	Purpose	Type of Data	Source of Report	Target Audience	Report Date	Frequency of Report	Quality Assurance	Availability
<i>RCRA Section 3016 Report</i>	RCRA, Section 3016	Compile, publish, and submit an inventory of each hazardous waste site that a Federal agency owns or operates.	(1) Description of the location of each site used to treat, store, or dispose of hazardous waste before permits were required; (2) the amount, nature, and toxicity of the hazardous waste and the known nature and extent of contamination; (3) current status of the site relative to ongoing hazardous waste operations; (4) list of sites where hazardous waste was disposed and which were not monitored and the reason for the lack of monitoring; (5) response actions taken at contaminated sites; (6) the types of treatment, storage, or disposal for hazardous waste operations; and (7) name and address of responsible Federal agency for each site.	Each DOE-owned or -operated site at which hazardous waste is stored, treated, or disposed of	EPA	January 31 of every even-numbered year for the two previous calendar years	Biennially	Each DOE facility generating a report is responsible for quality assurance.	Federal Facilities Information System distributed through EPA Regional Coordinators overseeing DOE sites
<i>Site Pollution Prevention Plan</i> (consolidates the former <i>Pollution Prevention Awareness Program Plan</i> and <i>Waste Minimization Program Plan</i>)	Executive Order 12856, Section 3-302(d); and DOE Order 5400.1, Chapter II, Section 4b	Specify waste reduction, recycling, and affirmative procurement goals. Describe activities undertaken to achieve goals. Document budget requests to support activities to achieve goals.	(1) Quantity of waste generation to be reduced in baseline year (1993) and projected goals as far as 1999; (2) major pollution prevention activities, (3) resources requested for pollution prevention in Activity Data Sheets.	All field elements unless exempt under reporting criteria for the CY 1995 Annual Report on Waste Generation and Pollution Prevention Progress.	DOE HQ EM-77, Waste Reduction Steering Committee members for each cognizant Secretarial Officer, and Operations Offices.	May 31, 1997 and every three years thereafter	Reviewed annually and updated triennially	The DOE field element preparing the report is responsible for quality assurance. Reports are then reviewed by the appropriate DOE Operations Office.	DOE Pollution Prevention Internet Site (http://epic.er.doe.gov/epic)
<i>Summary of Radionuclide Air Emissions from DOE Facilities</i>	Clean Air Act, Section 118; 40 CFR 61.49(a) and 40 CFR 61.190; and DOE Order 5400.5, Chapter II, Section 6	Estimate atmospheric radionuclide emissions and the resulting dose to the maximally exposed individual.	For each DOE site: (1) description of the types of radionuclides handled and the processes involving radionuclides; (2) list of all stacks or vents having potential for airborne radionuclide emissions; (3) the type and efficiency of effluent control systems; (4) distance to nearest offsite receptor; (5) estimated total quantity of radionuclides released (for both point and non-point sources); (6) radon flux measurements at uranium mill tailing disposal sites; and (7) collective dose to 80-km population.	DOE HQ EH-412 (based on roll-up of radionuclide air emissions summaries submitted by all DOE facilities)	EPA HQ and appropriate EPA region	June 30 of the following year for the previous calendar year	Annually (calendar year)	Annual air emissions summary for each DOE facility should be consistent with the data in the <i>Annual Site Environmental Report (ASER)</i> for the facility.	DOE and DOE Contractors: Office of Scientific and Technical Information at (615) 576-8401 or P.O. Box 62, Oak Ridge, TN 37831 Public: National Technical Information Service at (703) 487-4650 or 5285 Port Royal Road, Springfield, VA 22161

Tabular Summary of DOE Environmental Reports

Report Title	Driver of Requirement for the Report	Purpose	Type of Data	Source of Report	Target Audience	Report Date	Frequency of Report	Quality Assurance	Availability
<i>Toxic Chemical Release Inventory (TRI) Report</i>	Superfund Amendments and Reauthorization Act (SARA), Section 313; 40 CFR 372.30(a); Pollution Prevention Act, Section 6607; and Executive Order 12856, Section 3-304	Provide the public with information on the releases of listed toxic chemicals in their communities and assist EPA in determining the need for future regulations. Note: Executive Order 12856 directed DOE to establish a baseline year and to achieve a 50% reduction in the total releases of toxic chemicals and transfers of toxic chemicals for treatment and disposal by December 31, 1999. DOE has established 1993 as its baseline year. To measure progress toward the December 1999 goal, the Department sums Sections 8.1 plus 8.7 of the TRI Form R report and compares this total for each reporting year to the baseline year.	Facility identifying information (e.g., name, location, type of business, contact names, and environmental permit numbers); description of the manufacturing process, use of Section 313 chemicals, maximum amount of Section 313 chemicals on-site during the year; release and transfer estimates of Section 313 chemicals for each medium and type of transfer; location of off-site transfers; and waste treatment methods and efficiencies.	Each DOE facility that has ten or more full-time employees and either (1) manufactures, imports, or processes more than 25,000 pounds/year, or (2) otherwise uses 10,000 pounds/year or more of one or more Section 313 chemicals	EPA and the public	July 1 for the previous calendar year	Annually (calendar year)	Each DOE facility generating a report is responsible for quality assurance. EPA regularly conducts a quality review on a random sample (3%) of the received input forms.	Envirofacts TRI System (TRIS) accessible by Internet (http://www.epa.gov/enviro/html/tris/tris_query.html) and TRI Data (DOE TRI Form R Sections 5, 6, and 8) accessible through EH-413 website by clicking on "environmental data and reporting" at (http://tis-nt.eh.doe.gov/oepa/)