DIRECTIVES CONTROL FORM - ORO O FINAL DIRECTIVE

PART A (To be completed by the Division of Primary Interest (DPI)

1. **NUMBER AND TITLE OF DIRECTIVE:** **ORO O 230, CHAPTER III, COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA) REQUIREMENTS**

2. **PURPOSE OF TRANSMITTAL:** ___ New Directive _X_ Revised Directive ___ Page Change

3. **APPLICABILITY:** Does directive cover work performed by contractor(s)? Check appropriate boxes:

   ___ No (all contractors)

   _X_ Yes If yes, whom? _X_ LMES ___ ORAU _X_ SURA _X_ LMER

   _X_ Other contractors (list by type)
   Other contractors involved in environmental restoration activities at DOE-owned or -leased facilities.

4. **SUMMARY OF SIGNIFICANT PROVISIONS OR CHANGES:**

   Incorporates Chapter III in the 230 Series (formerly ORIG 5400.4A).

5. **CONTACT POINT:** Richard Martin — Environmental Protection Division, SE-31 — 576-9428
   Name — Organization — Telephone

PART B (To be completed by the Directives Management Group (DMG)):

6. **FILING INSTRUCTIONS:**

Remove	Dated	Insert	Dated
ORIG 5400.4A (except as described below)	12-14-93	ORO O Control Form	6-14-96
		ORO 230, Chapter III	6-14-96

Attachments 2, 3, and 4 to this Chapter were transmitted with ORIG Notice 5400.4, dated 10-27-93, as Attachments 1, 2, and 3. They are unchanged. Because of their length (approximately 43 pages) they were not printed again. Do not remove them. Please make a pen and ink change at the top of Page 1 of each Attachment to indicate that it is an Attachment to this Chapter.

7. **APPROVED FOR DISTRIBUTION IN ACCORDANCE WITH THE OFFICIAL DIRECTIVES DISTRIBUTION LIST:**

Original Signed By Jennifer H. Cusick *06/14/1996*

Signature Management Analyst, AD-440 Date

U.S. Department of Energy

Oak Ridge Operations

ORO O 230
Chapter III

DATE: 6-14-96

SUBJECT: COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA) REQUIREMENTS

1. PURPOSE. This Chapter assigns responsibility and accountability and provides administrative and/or contractual guidance to Oak Ridge Operations (ORO) and its contractors. Nothing in this issuance changes any requirements contained in any DOE Order.

2. CANCELLATION. This Chapter cancels and replaces ORIG 5400.4A, COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA) REQUIREMENTS, dated December 14, 1993.

3. APPLICABILITY. The provisions of this Chapter apply to ORO Principal Staff, management and operating contractors, and other contractors involved in environmental cleanup, compliance, and waste management activities at DOE-owned or -leased facilities, as provided by contract.

4. RESPONSIBILITIES. CERCLA requirements address emergency and nonemergency actions. Emergency actions are those taken immediately in response to a release, while nonemergency actions include removals, both time critical and nontime critical, and remedial activities conducted subsequent to emergency actions, if any. This Chapter applies only to the nonemergency actions. Emergency actions are addressed in ORIG 5500.1A, EMERGENCY MANAGEMENT SYSTEM, dated March 14, 1994.

   a. Manager, Emergency Management Program Office, ensures adequate DOE representation and participation on appropriate Regional Response Teams.

   b. Director, Environmental Restoration Division (ERD); Site Manager, Weldon Spring Site Office (WSSO); and Director, Former Sites Restoration Division (FSRD).

      (1) Oversee all ORO response actions for compliance with applicable requirements of CERCLA, as amended, the National Oil and Hazardous Substances Pollution Contingency Plan (NCP), the requirements of this Chapter, and applicable DOE policies, requirements, and procedures. This includes making all required notifications, preparing and submitting all required documents, and integrating the procedural and documentation requirements of CERCLA and the National Environmental Policy Act, wherever practical, in a timely manner.

(2) Gather information with respect to releases and potentially imminent releases of hazardous substances and maintain an ORO-wide record of all actions taken under this Chapter, CERCLA, as amended, the NCP, and applicable DOE policies, requirements, and procedures related to such releases.

(3) Take such actions as deemed necessary to ensure that all ORO personnel responsible for conducting activities under this Chapter have maintained contact with appropriate Environmental Protection Agency (EPA), state, and local officials with regard to the need for and execution of response actions; have obtained all appropriate EPA guidance documents applicable to CERCLA-related steps for which they are responsible; and have received training designed to ensure ORO compliance with applicable CERCLA requirements.

(4) Prior to initiation of the remedial action process under CERCLA, as amended, determine with advice from the Assistant Secretary for Environment, Safety, and Health, the cognizant Secretarial Officer, and General Counsel, whether corrective actions carried out under Sections 3004(u) or 3008(h) of Resource Conservation and Recovery Act of 1976 or under state law are inconsistent with the NCP and may be used to satisfy CERCLA requirements.

(5) Request such funds as deemed necessary to ensure that sufficient resources are included in their budgets to complete the DOE CERCLA program.

(6) Coordinate the development, implementation, and revision of agreements with other Contracting Officers' Representatives (COR), as applicable, which define the division of responsibilities for CERCLA and the NCP. The agreements shall be reviewed and revised, as appropriate, at least every two years.

c. Principal Staff.

(1) Review and concur with agreements between COR that contain provisions affecting them.

(2) Carry out responsibilities that are assigned to them in agreements between COR.

d. Contracting Officers' Representatives, other than those identified in subparagraph 4b of this Chapter, shall participate in development, implementation, and revision, when necessary, of agreements with the ERD, WSSO, and FSRD which will define the division of responsibilities for implementation of CERCLA and the NCP.

5. REQUIREMENTS AND PROCEDURES. See Attachments 2-4 of this Chapter.

6. REFERENCES. None.

7. DEFINITIONS. None.

8. CONTRACTOR REQUIREMENTS DOCUMENT. See Contractor Requirements Document, Attachment 1 of this Chapter.

9. ATTACHMENTS.

   a. Attachment 1 - Contractor Requirements Document.

   b. Attachment 2 - MEMORANDUM OF AGREEMENT BETWEEN AMERWM AND AMERD, dated August 30, 1990.

   c. Attachment 3 - MEMORANDUM OF AGREEMENT BETWEEN AMERWM AND THE Y-12 SITE MANAGER, dated December 1991.

   d. Attachment 4 - MEMORANDUM OF AGREEMENT BETWEEN K-25 SITE OFFICE AND ENVIRONMENTAL RESTORATION DIVISION, Revision 1, dated January 1993.

CONTRACTOR REQUIREMENTS DOCUMENT

Contractors that are identified in paragraph 3 of this Chapter shall establish and maintain programs and management systems that conform to the requirements of CERCLA and the NCP, as directed by the cognizant COR.

MEMORANDUM OF AGREEMENT BETWEEN AMERWM AND AMERD

August 30, 1990

Department of Energy
Oak Ridge Operations Office

I. INTRODUCTION

An initiative has been undertaken within the Department in establishing the Office of Environmental Restoration and Waste Management (EM). This office consolidates environmental cleanup, compliance, and waste management activities identified in the Five-Year Plan (FYP).

A mirror organization has been established within the Oak Ridge Operations (ORO) Office. This organization reports to the Operations Office Manager through the Assistant Manager for Environmental Restoration and Waste Management (AMERWM). The AMERWM organization has overall responsibility for activities described within the FYP. The FYP outlines Department needs within four major categories: Corrective Activities (CA), Environmental Restoration (ER), Waste Management (WM), and Research Development Demonstration Testing and Evaluation (RDDT&E).

The Management and Operating (M&O) contractors for ORO receive direction on an individual plant by plant basis through their respective Contracting Officer's Representative (COR). The COR for the Oak Ridge National Laboratory (ORNL) is the Deputy Assistant Manager for Energy Research and Development (AMERD), and the COR for Oak Ridge Associated Universities (ORAU) is the Director of the Energy Programs Division. AMERD has overall responsibility for all activities conducted at the ORNL and ORAU.

II. DEFINITION OF RESPONSIBILITIES

This document has been prepared to adapt the HQ MOU approved by the Secretary of Energy on March 17, 1990 to the ORO office and to better define the roles and responsibilities of the AMERWM and AMERD organizations in the environmental restoration, waste management and corrective activity areas, and in the waste management and environmental restoration technology areas. A list of Waste Management facilities at the Oak Ridge National Laboratory and the organizational lead for that facility has been prepared and will be maintained and periodically updated. An AMERWM waste management participation matrix is provided in Attachment 1. An AMERD waste management participation matrix is provided in Attachment 2. In general, AMERWM is responsible for all environmental restoration activities including the RI/FS process and decontamination and decommissioning activities. An explanation of the roles and responsibilities is provided below.

In general, the AMERD will be responsible for:

1) Operation and maintenance of process related surge tanks located within each R&D/production facility that feeds the plant waste system.

2) Operation and maintenance of sanitary treatment facilities (e.g. sewage treatment plant, coal yard runoff treatment and steam plant treatment) at ORNL with AMERWM monitoring activities at these facilities. AMERD also manages those projects that address sanitary waste needs (other than sanitary waste landfills).

3) Operation and maintenance of interim waste storage facilities (satellite and accumulation areas within R&D/production facilities that do not require permits).

4) Waste management operations associated with industrial activities supporting R&D/production (e.g., plating shop, photography shop, domestic water treatment facility) that are inside those facilities and cannot be easily separated from the ongoing operation.

5) Planning, budgeting, and executing waste management related activities described in items 1 through 4 listed above. Therefore, they will ensure that an ADS is prepared for any of the activities that are described above for incorporation into the EW Budget by the Headquarters Office of Environmental Restoration and Waste Management. The B&R Category will be EW 30 40 XX.

6) Participation in reviews and provides input on AMERWM waste management tasks which may have an impact on R&D or production activities.

7) Management of Health and Safety oversight functions for all ORNL facilities.

8) Coordination of responses to requests for ORNL sitewide information involving AMERD and AMERWM facilities.

9) Management of the petroleum and petroleum product underground storage tank compliance activities at ORNL and ORAU.

10) Management of existing active low level waste piping and lines within production and R&D facilities to the point of delivery to the first valve, or valve box outside the facility. When the line is gravity drain from the facility to a waste tank, the AMERWM responsibility begins five feet from the exterior wall of the production or R&D building.

11) Identification of plans for any active tank systems or facilities that will be taken out of service and transferred to the AMERWM.

12) Elimination of flow to a waste system once it is determined to be leaking. AMERD will also be responsible for contingency planning to shutdown or maintain the operations (e.g. through bottling waste).

13) Cosigning the sitewide NPDES and RCRA permits, RCRA permit applications and the annual NESHAPS report.

14) Commenting on budget prioritizations set by AMERWM.

15) Ensuring waste generators continue to evaluate ways to reduce or minimize waste generation.

16) Meeting waste acceptance criteria including packaging requirements for waste generated at their facilities.

The AMERWM will be responsible for:

1) Planning, scheduling, budgeting, operations and maintenance of all active and inactive buildings, operations, and systems that are primarily used for radioactive, hazardous, and mixed waste management activities (including collection/transport, treatment, storage, and disposal), and the restoration program.

2) Identifying potential funding level shortfalls in waste operations activities and determining with AMERD the R&D or production impacts.

3) Within budgets provided, sets priorities for EM funded facilities/activities at ORNL to accomplish goals. AMERD is represented on the ORO change control board which baselines and approves changes to all ADSs as defined in the ADS Baseline and Change Control Document (DOE/OR-915).

4) Management of each environmental restoration, waste management, corrective activity or technology area project or programmatic activity separately using existing project and program management rules governing general plant projects, line item projects, capital equipment requests, and operating expense budgets.

5) Management and resolution of environmental compliance issues as well as all CWA, CAA, SDWA, TSCA, RCRA, CERCLA, NEPA issues for EM funded tasks that are identified as environmental restoration, or active, standby, and planned waste management systems and facilities at ORNL (With the exception of those tasks that show up in the Five Year Plan but are managed by AMERD). Is the central point of contact for these active facility issues with TDHE and EPA. The AMERD organization will be notified of meetings and the progress being made in the permitting process. AMERD will also receive information copies of correspondence that is exchanged between the regulators and AMERWM.

6) Management and direction of all activities funded by EM in the area of technology development. These activities are primarily to support research, development, demonstration, testing, evaluation and education in the areas of environmental restoration and waste management. These tasks may be at ORNL or at ORAU.

7) Development and maintenance of an overall planning, reporting, tracking, and program control system for activities included in the Five Year Plan.

8) Ensuring ORO waste generators continue to evaluate ways to reduce or minimize waste generation.

9) Developing guidelines and policy for the characterization, packaging, storage, and monitoring of newly generated waste prior to transfer to an AMERWM treatment, storage, or disposal (TSD) facility.

10) Characterization of waste already in facilities whose sole purpose is to treat, store or dispose waste materials.

11) Provide annual program review.

12) Cosigning the sitewide NPDES and RCRA permits and RCRA permit applications, signing DMR certifications for AMERWM facilities or projects, and cosigning the NESHAPS annual report.

13) Assuring the consistent application of DOE Health and Safety requirements are met at waste management facilities and restoration projects.

14) Issuing remedial facility assessments to address leaking LLW waste systems, and accommodate regulation driven needs related to the newly inactive system.

15) Transportation of generator waste to AMERWM managed treatment, storage, or disposal facilities.

The management responsibility of the current ADSs is provided in Attachment 3.

III. RESOLUTION OF ISSUES

All issues or concerns between AMERD and AMERWM should be resolved at the lowest possible level within the organizations. In some instances this will not be possible and the issue will have to be raised to higher levels of management. The COR of the ORNL or ORAU and the AMERWM will agree to the changes to this document. Any changes will be incorporated into a revised agreement.

IV. EFFECTIVE DATE AND TERMS OF AGREEMENT

This agreement shall take effect on September 1, 1990 and shall be annually reviewed and revised as appropriate:

B. D. Walker, Deputy Assistant Manager for Environmental Restoration and Waste Management

8/31/90
Date

for J. A. Reafsnyder, Deputy Assistant Manager for Energy Research and Development

8-31-90
Date

W. D. Adams, Assistant Manager for Environmental Restoration and Waste Management

8-31-90
Date

R. L. Egli, Assistant Manager for Energy Research and Development

8/31/90
Date

	Response To Audits/Appraisals	Planning	Scheduling	Operations	Maintenance	Operational Readiness Review	Construction	Budget	Emergency Management	Health & Safety Compliance	Environmental Compliance/NEPA	Security Compliance	Q A Compliance	Routine Reports	Incident Reports	Performance Evaluations	EM Orders	EM Policies	Contract Administration
AMERD	I	I	C	I	I	C	I	I	P	P	I	P	I	I	I	O	C	C	I
AMERWM	P	P	P	P	P	P	P	P	O	CO	P	I	P	P	P	P	P,O	P	P
*AMCE						I	CO										I		
*DP Emergency Preparedness									O,I						I		I		
*EPD		O				C			O		O				I		C	I	I
*P & B Div.		O		S	S		S	S									I		
*P E Div.																S	I		
*S & H Div.				O	O	C	O		O	O,I					I		I		
*S & S Div.									O			O					I		
*Q A Div.						C							O				I		

P - The Principal Or Lead Role, Or Signatory On Documentation

C - Organization Is In The Concurrence Chain

O - Provides Technical Oversight Or Input To The Process

I - Data Copies To Organization For Information Relevant To The Performance Of Their Specific Mission

S - Provide Administrative Support To The Function

AMERWM ENVIRONMENTAL RESTORATION AND WASTE MANAGEMENT PARTICIPATION MATRIX

* The AMERD and AMERWM Intends To Utilize The Support Organizations As Indicated.

ATTACHMENT 1

900824.01

ATTACHMENT 1 SUPPLEMENT

Response to Audits/Appraisals	AMERWM prepares responses to address audits or appraisals that impact or involve AMERWM facilities, projects, or programs.
Planning	Includes functions such as project management planning, criteria, program management planning, and configuration management planning. The AMERD organization will take the lead on site development and institutional planning with input from AMERWM on waste facilities.
Scheduling	In some instances, top level scheduling of activities is required to ensure adequate site resources are available. AMERWM is responsible for scheduling these activities, and AMERD concurs in those schedules to minimize impacts to site or program missions.
Operations	AMERWM has the management responsibility for assuring that the waste operations and restoration program organizations are adequately staffed and trained to perform their functions. Also assures that all proper documentation (procedures, etc.) is in place to operate the AMERWM facilities, programs, and projects. AMERWM is also responsible for implementing the following functional areas for their facilities, projects, or programs: real property management, in-house energy management, nuclear materials control, ADP, internal control, (financial integrity, vulnerability assessments, etc.), FOIA, technology transfer, education, visits and assignments, and public information.
Maintenance	AMERWM has the management responsibility for assuring the restoration program and waste operations have adequate maintenance support to maintain operations. Since maintenance is a service function, AMERD will ensure that maintenance needs of AMERWM are addressed. AMERWM will have an interest in assuring that maintenance forces are adequately trained and are capable of maintaining waste operations facilities.

ATTACHMENT 1 SUPPLEMENT CONTINUED

Operational Readiness Review	AMERWM will be responsible for assuring that waste operations facilities are ready for operations or restart or that restoration projects are in a state of readiness through the use of readiness reviews. Other organizations will provide support or concurrence in these activities.
Construction	AMERWM is responsible for the management of the construction project efforts, and assuring that the project meets the operational needs. Coordinates activities with AMCE organization. Includes responsibility for QA, acceptance, checkout, configuration management, training, and documentation. AMERD will retain responsibility for ensuring site services can be made available to new waste operations facilities and restoration projects (with AMERWM funding the cost of those services).
Budget	AMERWM is responsible for assuring that the budget is requested from HQ and is adequate to perform the job. Also responsible for budget guidance and preparations for program reviews. P&B Division is responsible for managing the budget process for AMERWM. Budget information concerning environmental restoration, waste operations and technology activities will be provided to AMERD when needed so they may roll up ORNL total cost information.
Emergency Management	AMERD is responsible for providing emergency management services to waste operations facilities and the restoration program. AMERWM is responsible for making programmatic notifications.
Health & Safety Compliance	AMERD has the lead in assuring that AMERWM facilities and projects are being managed according to DOE or site requirements and has shutdown authority when it is clear that a significant hazard exists at a AMERWM facility or project. AMERWM has the responsibility to assure that safety and health requirements are being met at AMERWM facilities and

ATTACHMENT 1 SUPPLEMENT CONTINUED

	projects. In some functional areas such as fire protection and nuclear criticality, the AMERD and AMERWM staff may not be technically qualified and they will rely on the Health and Safety Division for technical support. The Health and Safety Division retains the responsibility to review AMERWM facilities or projects to assure they are being operated in compliance.
Environmental Compliance	AMERWM has principal responsibility for ensuring that AMERWM facilities and projects meet all applicable environmental regulations and the terms and conditions of associated Federal Facility Agreements. AMERD and AMERWM cosign the sitewide NPDES and RCRA permits. AMERD or AMERWM sign the DMRs for discharges from their facilities. AMERWM signs all RCRA permit applications and RCRA related correspondence for their facilities or projects. AMERWM maintains and applies for air permits and authorizations for their facilities or projects. AMERD or AMERWM apply for and maintain permits for their respective facilities. AMERWM takes the lead in regulatory negotiations or public involvement related to their facilities. The EPD is responsible for compliance oversight and provides technical support when needed. AMERD or AMERWM are responsible for the NEPA documentation for their facilities or projects.
Security Compliance	AMERWM is responsible for funding security projects and for security oversight for the AMERWM facilities. AMERD is the principal authority for all ORNL facilities and is also responsible for classification issues.
Quality Assurance Compliance	AMERWM is responsible for ensuring the quality of the documentation and procedures relating to AMERWM facilities, projects, or programs.

ATTACHMENT 1 SUPPLEMENT CONTINUED

Routine Reporting	AMERWM is responsible for all routine reporting for AMERWM facilities and functions including: compliance, management, monthly and quarterly reports. AMERD will have the lead role in coordinating reports for ORNL which require information about AMERWM facilities or projects with AMERWM involvement.
Incident Reports	AMERWM will be responsible for the preparation of incident reports for their facilities to comply with DOE Order 5000.3A. AMERD will be involved in those reports that are required due to an emergency response action.
Performance Evaluations	Both AMERD and AMERWM will be responsible for providing input through the PEC process to the Performance Evaluation Division on the waste management facilities at ORNL. AMERWM will be responsible for the input on the environmental restoration and the technology development program.
EM Orders	AMERWM is responsible for the initiation of all Oak Ridge Orders that are required for EM programs. AMERD and all line organizations would concur in those orders.
EM Policies	AMERWM is responsible for the establishment of ORO policies in EM program areas. AMERD will concur in policies initiated by AMERWM.
Contract Administration	AMERWM is responsible for contract administration for their programs and projects. Functions include but are not limited to the following: subcontract approvals, sole source, consultant approvals, salary administration, management/union relations, EEO, and foreign purchases.

	Response To Audits/Appraisals	Planning	Scheduling	Operations	Maintenance	Operational Readiness Review	Construction	Budget	Emergency Management	Health & Safety Compliance	Environmental Compliance/NEPA	Security Compliance	Q A Compliance	Routine Reports	Incident Reports	Performance Evaluations	EM Orders	EM Policies	Contract Administration
AMERD	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	C	C	P
AMERWM	I	I	C	I	I	C	C	C	I	I	I	I	I	I	I	O	P,O	P	I
*AMCE						I	C,O										I		
*DP Emergency Preparedness									O,I						I		I		
*EPD		O				C			O		O				I		C	I	I
*P & B Div.		O		S	S		S	S									I		
*P E Div.																S	I		
*S & H Div.				O	O	C	O		O	O,I					I		I		
*S & S Div.									O			O					I		
*Q A Div.						C							O				I		

P - The Principal Or Lead Role, Or Signatory On Documentation

C - Organization Is In The Concurrence Chain

O - Provides Technical Oversight Or Input To The Process

I - Data Copies To Organization For Information Relevant To The Performance Of Their Specific Mission

S - Provide Administrative Support To The Function

AMERD WASTE MANAGEMENT PARTICIPATION MATRIX

* The AMERD and AMERWM Intends To Utilize The Support Organizations As Indicated.

ATTACHMENT 2

100924.02

ATTACHMENT 3

AMERD

AMERD is responsible for managing the sanitary waste and petroleum and petroleum product ADSs.

The applicable AMERD ADSs from the FY 1991 FYP submission are provided below:

310 Subtitle I USTs
382 Sanitary and Industrial Waste

AMERWM

Has overall responsibility for assuring funding is provided to maintain waste management activities at ORNL for AMERWM ADSs.

The applicable AMERWM ADSs from the FY 1991 FYP submission are provided below:

302 Bethel Valley LLW CAT
304 Melton Valley LLW CAT
341 Waste Treatment (chargeback)
342 Waste Treatment (chargeback + LLLW)
343 Waste Treatment (chargeback)
346 Waste Disposal (chargeback)
347 Waste Disposal (chargeback + SWSA 6 projects)
348 Waste DIsposal (chargeback)
349 Continuity of Operations (waste management plans and project expense activities)
350 Continuity of Operations (waste management plans and project expense activities)
352 Waste Treatment - Solid
353 Waste Characterization and Certification Facility
355 Waste Minimization
356 Waste Minimization
344 Waste Storage (RH-TRU, CH-TRU, + Class III/IV)
352 WHPP Planning, Development and Construction
353 Continuity - Solid - LIP
355 Waste Minimization
356 Waste Minimization
366 Waste Treatment - Water
378 Active LLLW FFA

RDDT&E funded tasks that take place at ORNL or ORAU.

All Environmental Restoration Program tasks that take place at ORNL or ORAU.

MEMORANDUM OF AGREEMENT
BETWEEN
AMERWM AND THE Y-12 SITE MANAGER

DECEMBER, 1991

DEPARTMENT OF ENERGY
OAK RIDGE FIELD OFFICE

I. INTRODUCTION

DOE Headquarters (HQ) established the Office of Environmental Restoration and Waste Management (EM) to provide consolidated management of environmental cleanup, compliance and waste management activities identified in the Five-Year Plan (FYP).

A mirror organization has been established within the Oak Ridge Field Office. This organization reports to the Field Office Manager through the Assistant Manager for Environmental Restoration and Waste Management (AMERWM). The AMERWM organization has overall responsibility for activities described within the FYP. The FYP outlines Department needs within four major categories: Corrective Actions (CA), Environmental Restoration (ER), Waste Management (WM), and Research Development Demonstration Testing and Evaluation (RDDT&E). Specific activities are identified in Activity Data Sheets (ADSs) and Technical Task Plans (TTPs).

The Management and Operating (M&O) contractors receive direction on an individual plant-by-plant basis through their respective Contracting Officer's Representative (COR). The COR for the Y-12 Plant is the Y-12 Site Manager. The Y-12 Site Manager has responsibility for all activities conducted at the Y-12 Plant with the exception of those activities under AMERWM as designated in this agreement. The COR for Waste Management activities at the Y-12 Plant is the DOE WM Division Director. The COR for ER activities at the Y-12 Plant is the DOE ER Division Director. The WM and ER Division Directors have specific responsibilities for AMERWM activities at the Y-12 Plant as outlined in this agreement.

This Memorandum of Agreement (MOA) has been prepared to implement the HQ Memorandum of Understanding (MOU) approved by the Secretary of Energy on March 17, 1990, and to define the roles and responsibilities of the AMERWM and the Y-12 Site Manager in the environmental restoration, waste management and corrective activity areas and in the waste management and environmental restoration technology areas. In general, AMERWM is responsible for all waste management and environmental restoration activities including the RI/FS process and decontamination and decommissioning activities. Specific responsibilities are listed in Section II below.

A list of waste management facilities at the Y-12 Plant and the DOE organizational lead for those facilities is provided in Attachment 1. An AMERWM waste management and environmental restoration participation matrix is provided in Attachment 2. A Y-12 Site Manager participation matrix is provided in Attachment 3. The management responsibility of the current waste management and corrective activity ADSs is provided in Attachment 4.

A list of facilities currently undergoing assessment or investigation for Environmental Restoration is provided in Attachment 5. The list in Attachment 5 is from the Federal Facility Agreement (FFA) which will be revised periodically. Facilities which are undergoing assessment or investigation become the responsibility of Environmental Restoration when they are no longer in active use. The FFA will always provide the most current listing of facilities under ER assessment or investigation.

II. DEFINITION OF RESPONSIBILITIES

The Y-12 Site Manager will be responsible for:

1) Operation and maintenance of waste-related surge and accumulation tanks located within each production facility that generates waste.

2) Operation and maintenance of interim waste storage facilities (satellite and 90-day waste accumulation areas within production facilities that do not require permits), other than those in Waste Management facilities.

3) Waste management operations associated with industrial activities supporting production (e.g., plating shop) that are inside those facilities and cannot be easily separated from the ongoing operation. Y-12 Site Manager waste management responsibilities specifically include sanitary wastewater and steam plant wastewater.

4) Waste characterization, packaging and storage in satellite or 90-day accumulation storage areas in compliance with applicable regulatory requirements until the Waste Management organization is able to accept waste in accordance with established waste acceptance criteria.

5) Corrective activities in the FYP which deal with sitewide compliance issues not related to specific Environmental Restoration or Waste Management activities.

6) Planning, budgeting, and managing activities described in items 1 through 5 above, except where the operational costs cannot easily be split from production costs and are budgeted with production activities. The Y-12 Site Manager will ensure that an ADS is prepared, as necessary, for any of the activities described above for incorporation into the EM Budget by HQ.

7) Providing any interface documentation, environmental data, engineering information, NEPA documentation, etc. to AMERWM for environmental restoration and waste management activities, where that information has been provided to the Y-12 Site Manager but not to AMERWM.

8) Participating in reviews and providing input on prioritization of AMERWM waste management tasks which may have an impact on production activities.

9) Oversight of Security and Health and Safety functions for all Y-12 facilities, including AMERWM facilities. The Y-12 Site Manager has authority to stop construction and operation of waste management activities if approved procedures are not being followed or health and safety risks exist.

10) Coordination of responses to requests for Y-12 Plant information involving both Site Manager and AMERWM facilities.

11) Managing and budgeting for the groundwater monitoring program not related to CERCLA response, corrective or investigative actions and not related to RCRA remedial actions or investigations. Oversight of the groundwater program for the Y-12 Site.

12) Management of the petroleum and petroleum product underground storage tank (UST) compliance activities at Y-12. Cleanup of any contamination due to leaking USTs, unless the cleanup is part of a larger environmental restoration effort.

13) Management of existing active waste piping and lines within production facilities to the point of delivery to Waste Management operations.

14) Identification of plans for any active tank systems or facilities that will be taken out of service and transferred to the AMERWM.

15) Elimination of flow to a waste system once it is determined to be leaking or otherwise not operating acceptably. The Site Manager will also be responsible for contingency planning to shut down or maintain production operations (e.g. through bottling waste).

16) Maintaining shutdown facilities until decontamination and decommissioning begins.

17) Cosigning the sitewide NPDES and RCRA permits, RCRA permit applications, annual NESHAPS, TSCA, and RCRA reports, and any other regulatory submittals where the documents involve both AMERWM and Y-12 Site Manager facilities or responsibilities.

18) Commenting on budget prioritizations set by AMERWM.

19) Ensuring waste generators continue to evaluate ways to reduce or minimize waste generation.

The AMERWM will be responsible for:

1) Planning, scheduling, budgeting, design, construction, operations and maintenance of all active and inactive buildings, operations, and systems that are primarily used for sanitary, industrial, radioactive, hazardous, and mixed waste management activities (including collection, transportation, and treatment, storage, and disposal (TSD)) and all activities associated with the environmental restoration program. AMERWM responsibility includes satellite and 90-day accumulation areas within Waste Management and Environmental Restoration facilities.

2) Planning and implementation of corrective activities in the FYP which deal with specific waste management or environmental restoration activities or compliance issues.

3) Managing, funding and documenting the CERCLA program activities for Y-12.

4) Establishing procedures for transferring facilities into the decontaminating and decommissioning program. Maintaining a continuous record of jurisdictional program responsibility and financial liability for all contaminated facilities.

5) Managing and budgeting for the groundwater program as required for CERCLA response, corrective or investigative actions. Managing and budgeting for the groundwater program as required by RCRA remedial actions or investigations, monitoring and all applicable permits.

   AMERWM is responsible for providing copies of records, reports, and other applicable regulatory documents to the Y-12 Site manager to allow for oversight of the groundwater program.

6) Identifying potential funding level shortfalls in waste operations activities and determining with the Y-12 Site Manager the production impacts.

7) Within budgets provided, setting priorities for EM-funded facilities/activities at Y-12. The Y-12 Site Manager will be represented on the Change Control Board which baselines and approves changes to all ADSs as defined in the ADS Baseline and Change Control Document (DOE/OR-915).

8) Management of each environmental restoration, waste management, corrective activity or technology area project or programmatic activity separately using existing project and program management rules governing general plant projects, line item projects, capital equipment requests, and operating expense budgets.

9) Submittal of the Waste Management program budget to HQ including DP waste operations activities and corrective activities submitted by the Y-12 Site Manager.

10) Management and resolution of environmental compliance issues as well as all CWA, CAA, SDWA, TSCA, RCRA, CERCLA, NEPA issues for EM-funded tasks that are identified as environmental restoration, or active, standby, and planned waste management systems and facilities at the Y-12 Plant (with the exception of those tasks that show up in the Five Year Plan but are managed by the Y-12 Site Manager).

11) Serving as central point of contact for waste management and environmental restoration facility and activity issues with the local, state, and federal regulatory agencies. The Y-12 Site Manager will be notified of meetings and the progress being made in the permitting process. The Y-12 Site Manager will also receive information copies of correspondence that is exchanged between the regulators and AMERWM.

12) Management and direction of all Y-12 activities funded by EM in the area of technology development. These activities are primarily to support research, development, demonstration, testing, evaluation and education in the areas of environmental restoration and waste management.

13) Development and maintenance of overall planning, reporting, tracking, and program control systems for activities included in the FYP.

14) Developing guidelines and policy for characterization, packaging, storage, and monitoring of newly generated waste prior to transfer to an AMERWM TSD facility. Coordinating policy developments with the Y-12 Site Manager.

15) Characterization of waste already in facilities whose sole purpose is to treat, store or dispose waste materials.

16) Signing all environmental permits and reports specifically for AMERWM facilities and activities. Cosigning the sitewide NPDES and RCRA permits, RCRA permit applications, annual NESHAPS, TSCA, and RCRA reports, and any other regulatory submittals where the documents involve both AMERWM and Y-12 Site Manager facilities or responsibilities. Signing DMR certifications for AMERWM waste management facility discharges.

17) Providing reports for AMERWM activities required by DOE and by regulations (e.g. compliance reports required by Secretary of Energy Notice (SEN) 7A, Waste Management Plans required by DOE Order 5820.2A, etc.). The WM Division Director or his designee shall also serve as the DOE Facility Representative for purposes of DOE Order 5000.3A reporting for all Y-12 AMERWM waste management facilities. The DOE ER Division Director shall serve as the DOE Facility Representative for purposes of DOE Order 5000.3A reporting for all Y-12 AMERWM ER facilities.

18) Managing AMERWM facilities and activities to assure compliance with and consistent application of DOE Health and Safety requirements.

III. RESOLUTION OF ISSUES

All issues or concerns between the Y-12 Site Manager and AMERWM should be resolved at the lowest possible level within the organizations. In some instances this will not be possible, and the issue will have to be raised to higher levels of management. The Y-12 Site Manager, the DOE WM Division Director, and the DOE ER Division Director or their designees will make the decisions relevant to any operations or policy changes as required. Any changes will be incorporated into a revised agreement. The Y-12 Site Manager and the AMERWM will agree to any changes to this documents.

IV. EFFECTIVE DATE AND TERM OF AGREEMENT

This agreement shall take effect on the date of final signature by both parties and shall be annually reviewed and revised as appropriate:

W. D. Adams — 12-6-91

W. D. Adams, Assistant Manager for Environmental Restoration and Waste Management — Date

Robert J. Spence — 12/6/91

Robert J. Spence, Y-12 Site Manager — Date

ATTACHMENT 1

WASTE MANAGEMENT FACILITIES AT THE Y-12 PLANT

AMERWM FACILITIES

I. OPERATING FACILITIES

A. TREATMENT

Central Pollution Control Facility (CPCF) - Bldg. 9623

Plating Rinsewater Treatment Facility (PRTF) - Bldg. 9623

West End Treatment Facility (WETF) - Bldg. 9616-7

Waste Coolant Processing Facility (WCPF) - Bldg. 9983-78

Groundwater Treatment Facility (GWTF) - Bldg. 9616-7

Uranium Chip Oxidation Facility (UCOF) - Bldg. 9401-5

Interim Reactive Waste Treatment Unit (BCBG)

Waste Material Preparation Facility - Bldgs. 9401-4, 9720-28

B. STORAGE

Liquid Storage Facility (LSF)

Solid Storage Facility (SSF) - Bldg. 9720-60

Oil Landfarm Soils Storage Area

West Tank Farm

Uranium Oxide Storage Vaults - Bldgs. 9809, 9825-1, 9825-2

RCRA Staging and Storage Facility - Bldg. 9720-31

Organic Liquid Storage Area, OD-7 - Bldg. 9811-1

Waste Oil/Solvent Drum Storage, OD-8 - Bldg. 9811-1

Organic Liquid Storage Area, OD-9

Organic Liquid Storage Area, OD-10

Containerized Waste Storage Area (CWSA)

Classified Waste Storage (Bldg. 9720-25)

PCB Waste Storage - Bldg. 9404-7

Mixed/PCB Waste Storage - Bldg. 9720-9

Interim Drum Yard

RCRA and PCB Container Storage Area - 9720-58

Contaminated Scrap Metal Storage

Non-SNM Warehouse, West End - Bldg. 9720-12

Nonuranium Contaminated Salvage Yard (Clean Salvage Yard)

Waste Material Preparation Facility - Bldg. 9720-28

C. DISPOSAL

Trash Monitoring Station - Bldg. 9828-6

Centralized Sanitary/Industrial Landfill II

Industrial Landfill IV

Chestnut Ridge Borrow Area Waste Pile

East Chestnut Ridge Waste Pile

Construction Spoil Area I

D. MISCELLANEOUS

Lysimeter Test Facility

II. FUTURE FACILITIES

Above Grade Storage Pad Facility

Industrial Waste Compaction Facility

Materials Treatment Facility

Packaging, Certification, and Staging Facility

Oils and Solvents Treatment Facility

Production Waste Treatment Facility, Phase II

Depleted Uranium Oxidation Facility

Reactive Waste Treatment Facility

Production Waste Storage Facility

Industrial Landfill V

Construction/Demolition Waste Landfill VI

Construction/Demolition Waste Landfill VII

Y-12 SITE MANAGER (DP) WASTE MANAGEMENT FACILITIES

I. OPERATING FACILITIES

A. TREATMENT

Steam Plant Wastewater Treatment Facility

Dry Fly Ash Facility (Bldg. 9401-3)

Cyanide Treatment Facility (Bldg. 9204-5, North)

Biodenitrification Facility (Bldg. 9818)

B. STORAGE

Building 9212 Tank Farm

9206 container storage area

9212 container storage area

9720-12 classified container storage area (east end)

90-day and satellite accumulation areas, except those in Waste Management or Environmental Restoration facilities

C. DISPOSAL

Building 9206 Incinerator and Associated Equipment

D. MISCELLANEOUS

East Fork Poplar Creek/Lake Reality

Cooling Tower Discharges

Air emission points, except those from Waste Management and Environmental Restoration facilities

II. FUTURE FACILITIES

Wet Bottom Ash Handling System

Sanitary and Industrial Wastewater Treatment Facility

	Response To Audits/Appraisals	Planning	Scheduling	Operations	Maintenance	Operational Readiness Review	Construction	Budget	Emergency Management	Health & Safety Compliance	Environmental Compliance/NEPA	Security Compliance	Q A Compliance	Routine Reports	Incident Reports	Performance Evaluations	EM Orders	EM Policies	Contract Administration
Y-12 Site Manager	I	I	C	I	I	C	I	I	P	C,O	I	P	I	I	I	O	C	C	I
AMERWM	P	P	P	P	P	P	P	O,C	O	P	P	I	P	P	P	P	P,O	P	P
*AMCE						I	C,O										I		
*DP Emergency Preparedness									O,I						I		I		
*EPD		O				C,O			O		O				I		C	I	
*P & B Div.		O	S	S	S		S,C	P								S	I	I	
*P E Div.																S	I		
*S & H Div.				O	O	C,O	O		O	O,I					I		I		
*S & S Div.									O			O					I		
*Q A Div.						C,O							O				I		

P - The Principal Or Lead Role, Or Signatory On Documentation

C - Organization Is In The Concurrence Chain

O - Provides Technical Oversight Or Input To The Process

I - Data Copies To Organization For Information Relevant To The Performanace Of Their Specific Mission

S - Provide Administrative Support To The Function

AMERWM ENVIRONMENTAL RESTORATION AND WASTE MANAGEMENT PARTICIPATION MATRIX

* The Y-12 Site Manager and AMERWM Intend To Utilize The Support Organizations As Indicated.

AT[illegible]MENT 2

010848 01

ATTACHMENT 2 - SUPPLEMENT

Response to Audits/Appraisals	AMERWM has primary responsibility for technical adequacy and accuracy of responses to audits and appraisals that impact or involve AMERWM facilities, projects, or programs. The Y-12 Site Manager will coordinate responses and actions which involve both AMERWM and Y-12 Site Manager facilities or activities.
Planning	Includes functions such as project management planning, criteria, program management planning, and configuration management planning. The Y-12 Site Manager will take the lead on site development and institutional planning with input from AMERWM on waste facilities.
Scheduling	In some instances, top level scheduling of activities is required to ensure adequate site resources are available (e.g. support functions such as Health Physics, maintenance, etc.). AMERWM is responsible for scheduling these activities, and the Y-12 Site Manager concurs in those schedules to minimize impacts to site or program missions.
Operations	AMERWM has the management responsibility for assuring that the waste operations and restoration program organizations are adequately staffed and trained to perform their functions. Also assures that all proper documentation (procedures, etc.) is in place to operate the AMERWM facilities, projects, or programs. AMERWM is also responsible for implementing the following functional areas for their facilities, projects, and programs: real property management, in-house energy management, nuclear materials control, ADP, internal control (financial integrity, vulnerability assessments, etc.), FOIA, technology transfer, eduction, visits and assignments, and public information.
Maintenance	AMERWM has management responsibility for assuring that the restoration program and waste operations adequate maintenance support. Since maintenance is a service function, the Y-12 Site Manager will ensure that maintenance needs of AMERWM are addressed. AMERWM will have an interest in assuring that maintenance forces are adequately trained and capable of maintaining waste operations facilities.
Operational Readiness Review	AMERWM will be responsible for assuring that waste operations facilities are ready for operation or restart and that restoration projects are in a state of readiness through the use of readiness reviews. Other organizations will provide support or concurrence in these activities.

ATTACHMENT 2 - SUPPLEMENT, CONTINUED

Construction	AMERWM is responsible for management of construction project efforts, and assuring that the project meets operational needs. Coordinates activities with the AMCE organization. Includes responsibility for QA, acceptance, checkout, configuration management, training, and documentation. The Y-12 Site Manager will retain responsibility for ensuring site services can be made available to new waste operations facilities and restoration projects, with AMERWM funding the cost of those services.
Budget	AMERWM is responsible for assuring that the budget is requested from HQ and is adequate to perform the job. Also responsible for preparations for program reviews. P&B Division is responsible for managing the budget process for AMERWM. Budget information concerning environmental restoration, waste operations and technology development activities will be provided to the Y-12 Site Manager when needed so Y-12 total cost information can be maintained.
Emergency Management	The Y-12 Site Manager is responsible for providing emergency management services to waste operations facilities and the restoration program. AMERWM is responsible for making programmatic notifications.
Health & Safety Compliance	AMERWM had principal responsibility for ensuring that safety and health requirements are met at AMERWM facilities and projects. The Y-12 Site Manager is responsible for providing routine oversight and support services for Health and Safety compliance. In some functional areas such as fire protection and nuclear criticality, AMERWM and the Y-12 Site Manager may rely on the Health and Safety Division for technical support. The Health and Safety Division also retains responsibility to review AMERWM facilities or projects to assure they are being operated in compliance.

ATTACHMENT 2 - SUPPLEMENT, CONTINUED

Environmental Compliance	AMERWM has principal responsibility for ensuring that AMERWM facilities and projects meet all applicable environmental regulations and the terms and conditions of associated Federal Facility Agreements or other regulatory agreements. The Y-12 Site Manager and AMERWM cosign the sitewide NPDES and RCRA permits. The Y-12 Site Manager or AMERWM sign the DMRs for discharges from their facilities. AMERWM signs all RCRA permit applications and RCRA-related correspondence for their facilities or projects. AMERWM maintains and applies for air permits and authorizations for their facilities or projects. The Y-12 Site Manager or AMERWM apply for and maintain permits for their respective facilities. AMERWM takes the lead in regulatory negotiations or public involvement related to their facilities. The EPD is responsible for compliance oversight and provides technical support when needed. The Y-12 Site Manager or AMERWM are responsible for NEPA documentation for their facilities or projects.
Security	AMERWM has management responsibility for assuring that operations and facilities have adequate security. Since security is a service function, the Y-12 Site Manager will ensure that the security needs of AMERWM are addressed.
Quality Assurance	AMERWM is responsible for ensuring the quality of the documentation and procedures relating to AMERWM facilities, projects, or programs.
Routine Reporting	AMERWM is responsible for all routine reporting for AMERWM facilities and functions including: compliance, management, monthly and quarterly reports. The Y-12 Site Manager will have the lead role in coordinating reports for Y-12 which require information about AMERWM facilities or projects with AMERWM involvement.
Incident Reports	AMERWM will be responsible for the preparation of incident reports for their facilities to comply with DOE Order 5000.3A. The Y-12 Site Manager will be involved in those reports that are required due to an emergency response action.
Performance Evaluation	AMERWM will be responsible for providing input through the PEC process to the Performance Evaluation Division on the waste management facilities, environmental restoration and technology development programs at Y-12. Input will be provided through the Central Performance Evaluation Committee.
EM Orders	AMERWM is responsible for initiation of all implementation agreements required for EM programs. The Y-12 Site Manager and all line organizations would concur in those orders.

ATTACHMENT 2 - SUPPLEMENT, CONTINUED

EM Policies	AMERWM is responsible for establishment of Field Office policies in EM program areas. The Y-12 Site Manager will concur in policies initiated by AMERWM.
Contract Administration	AMERWM is responsible for contract administration for their programs and projects. Functions include, but are not limited to, the following: subcontract approvals, sole source approvals, consultant approvals, salary administration, management/union relations, EEO, and foreign purchases.

	Response To Audits/Appraisals	Planning	Scheduling	Operations	Maintenance	Operational Readiness Review	Construction	Budget	Emergency Management	Health & Safety Compliance	Environmental Compliance/NEPA	Security Compliance	Q A Compliance	Routine Reports	Incident Reports	Performance Evaluations	EM Orders	EM Policies	Contract Administration
Y-12 Site Manager	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	C	C	P
AMERWM	I	I	C	I	I	C	C	C	I	I	I	I	I	I	I	O	P,O	P	I
*AMCE						I	C,O										I		
*DP Emergency Preparedness									O,I						I		I		
*EPD		O				C,O			O		O				I		C	I	
*P & B Div.		O		S	S		S	S									I		
*P E Div.																S	I		
*S & H Div.				O	O	C,O	O		O	O,I					I		I		
*S & S Div.									O			O					I		
*Q A Div.						C,O							O				I		

P - The Principal Or Lead Role, Or Signatory On Documentation

C - Organization Is In The Concurrence Chain

O - Provides Technical Oversight Or Input To The Process

I - Data Copies To Organization For Information Relevant To The Performance Of Their Specific Mission

S - Provide Administrative Support To The Function

Y-12 SITE MANAGER WASTE MANAGEMENT PARTICIPATION MATRIX

* The AMERD and AMERWM Intend To Utilize The Support Organizations As Indicated.

ATTACHMENT 3

910905.02

ATTACHMENT 4

FY 1993 ACTIVITY DATA SHEETS - PROGRAM RESPONSIBILITY

Y-12 SITE MANAGER

The Y-12 Site Manager is responsible for managing projects for which Defense Programs has lead. Applicable ADSs from the FY 1993 submission are:

244	Nonpermitted Plant Drains
246	Cooling Water Discharges
247	Non-Point Source Pollution Control
250	Cooling Towers
260	Sanitary Sewer System Rehabilitation

AMERWM

AMERWM is responsible for assuring funding for and managing projects for which the Office of Waste Operations has lead and for all Environmental Restoration Program tasks at the Y-12 Plant. Applicable waste management and corrective activity ADSs from the FY 1993 FYP submission are:

204	Steam Plant Ash Disposal Facility
208	Environmental Surveillance Upgrades
223-AA	Treatment
223-AB	Privatization
224	Storage
225	Disposal
226	Continuity of Operations
228	Production Waste Storage Facility
229	Waste Minimization
232	Production Waste Treatment Facilities
234	Production Waste Treatment Facilities, Phase II
245	Treatment Plant Discharges
248	Depleted Uranium Oxidation Facility

ATTACHMENT 5

ENVIRONMENTAL RESTORATION (ER) FACILITIES

Facilities currently undergoing assessment/investigation become ER facilities when active use is discontinued. The sites listed are or will be incorporated into the FY 1993 Activity Data Sheets listed below:

209 G1	East Fork Poplar Creek Activities Assessment
209 G2	East Fork Poplar Creek Activities Remediation
211	RCRA Closures Phase I (CAPCA Phase I)
243 G1	RCRA Phase II Postclosure Activities CAPCA Assessment
243 G2	RCRA Phase II Postclosure Activities CAPCA Remediation
277	Chestnut Ridge Assessment
278	Chestnut Ridge Remediation
279	Upper East Fork Poplar Creek Assessment
280	Upper East Fork Poplar Creek Remediation
281	Bear Creek Valley Assessment
282	Bear Creek Valley Remediation

REMEDIAL INVESTIGATION/FEASIBILITY STUDY PHASE

DOE NUMBER	DESCRIPTION
Y00-T004	S-3 PONDS
Y00-T008	OIL RETENTION POND NO. 1
Y00-T009	OIL RETENTION POND NO. 2
Y00-T010	NEW HOPE POND
Y00-T014	OIL LANDFARM
Y00-D024	BEAR CREEK BURIAL GROUNDS
Y00-D024HC	HAZARDOUS CHEMICAL DISPOSAL AREA - BONE YARD/BURN YARD
Y00-D026	UNITED NUCLEAR LANDFILL
Y00-D102	SANITARY LANDFILL II
Y00-D103	S-2 SITE
Y00-D104	COIL PILE TRENCH
Y00-D106	RUST SPOIL AREA
Y00-D107	SPOIL AREA I
Y00-D112	FILLED COAL ASH POND
Y00-P500	Z-OIL CONTAMINATED AREAS
Y00-S018	SALVAGE YARD OIL STORAGE
Y00-S020	SALVAGE YARD OIL/SOLVENT DRUM STORAGE AREA
Y00-S022	MACHINE COOLANT STORAGE TANKS
Y00-S111	SALVAGE YARD SCRAP METAL STORAGE AREA
Y00-S117	BUILDING 81-10 AREA
Y00-S120	LINE YARD
Y00-S121	WASTE Z-OIL TANK
Y00-S125	SY-200 YARD
Y00-S127	MERCURY-CONTAMINATED AREAS
Y00-S200	TANK 0074-U
Y00-S201	TANK 0084-U
Y00-S204	TANK 2063-U
Y00-S209	TANK 2100-U
Y00-S210	TANK 2101-U
Y00-S212	TANK 2104-U
Y00-S214	TANK 2116-U
Y00-S216	TANK/TRANSFER STATION
Y00-S217	TANK
Y00-S218	TANK
Y00-S225	BUILDING 9202 TANK
Y00-S228	BUILDING 9206 TANK
Y00-S244	TANK 2102-U
Y00-S321	BUILDING 9201-1 WEST YARD
Y00-S326	BUILDING 9202 EAST PAD
Y00-S334	BUILDING 9401-2 POLYTANK STATION
Y00-S335	BUILDING 9401-3 EAST YARD
Y00-S337	BUILDING 9620-2 WEST YARD
Y00-S338	BUILDING 9712 NORTHEAST YARD
Y00-S351	BUILDING 9401-2 EAST YARD
Y00-T038	WASTE COOLANT PROCESSING FACILITY
Y00-T109	SALVAGE YARD DRUM DEHEADER
Y00-S600	BEAR CREEK
Y00-S601	NITRIC ACID PIPELINE

PRELIMINARY ASSESSMENT/SITE INVESTIGATION PHASE

DOE NUMBER	DESCRIPTION
Y00-D100	BETA-4 SECURITY PITS
Y00-D115	BUILDING 9418-3 URANIUM VAULT
Y00-P501	BUILDING 9401-1 OLD STEAM PLANT
Y00-P502	BUILDING 9766 BERYLLIUM CONTAMINATED DUCTS
Y00-P503	BUILDING 9720-2 DRUM STORAGE AREA
Y00-S017	BUILDING 9409-5 STORAGE FACILITY
Y00-S030	INTERIM DRUM YARD
Y00-S116	THIRD STREET SOIL PILE
Y00-S122	ROOFING WASTE PILE
Y00-S124	COOLING TOWER BASIN 9409-3
Y00-S126	TEMPORARY STORAGE AREA
Y00-S128	BUILDING 9201-2 TRANSFORMER AND CAPACITOR STORAGE AREA
Y00-S129	BUILDING 9204-1 TRANSFORMER STORAGE AREA
Y00-S130	BUILDING 9204-3 TRANSFORMER STORAGE AREA
Y00-S131	CHESTNUT RIDGE MERCURY CONTAMINATED GULLEY SOIL PILE
Y00-S203	TANK 0690-U/TRANSFER STATION
Y00-S205	TANK 2064-U
Y00-S206	TANK 2069-U
Y00-S207	TANK 2070-U
Y00-S208	TANK 2071-U
Y00-S213	TANK 2105-U
Y00-S215	BUILDING 9204-4 TANK
Y00-S242	LAUNDRY SUMP
Y00-S245	BUILDING 9206 UNDERGROUND TANK
Y00-S310	DOCK 125
Y00-S313	DOCK 164
Y00-S331	BUILDING 9204-4 SOUTHWEST YARD
Y00-S341	BUILDING 9720-13 WEST YARD
Y00-S400	RUST CONSTRUCTION GARAGE AREA
Y00-S401	RUST ENGINEERING STORAGE YARD
Y00-S402	RUST ENGINEERING SLUDGE STORAGE AREA
Y00-S504	TANK 0134-U
Y00-S505	TANK 2068-U
Y00-S506	TANK 2073-U
Y00-S507	TANK 2074-U
Y00-S508	TANK 2075-U
Y00-S509	TANK 2076-U
Y00-S510	TANK 2077-U
Y00-S511	TANK 2078-U
Y00-S512	TANK 2079-U
Y00-S513	TANK 2080-U
Y00-S514	TANK 2081-U
Y00-S515	TANK 2089-U
Y00-S516	TANK 2090-U
Y00-S517	TANK 2091-U
Y00-S518	TANK 2092-U
Y00-S519	TANK 2117-U
Y00-S520	TANK 2284-U

REMEDIAL INVESTIGATION/FEASIBILITY STUDY PHASE

DOE NUMBER	DESCRIPTION
Y00-S602	UPPER EAST FORK POPLAR CREEK
Y00-S603	EAST FORK POPLAR CREEK

MEMORANDUM OF AGREEMENT BETWEEN
K-25 SITE OFFICE AND ENVIRONMENTAL RESTORATION DIVISION

Revision 1
January 1993

Department of Energy Field Office
Oak Ridge

Revision 1

I. INTRODUCTION/PURPOSE

The purpose of this Memorandum of Understanding is to define the respective roles and responsibilities of the Environmental Restoration Division (ERD) and the K-25 Site Office (KSO) for ERD related activities at the Oak Ridge K-25 Site (K-25 Site).

II. BACKGROUND/DEFINITION OF RESPONSIBILITIES

The Assistant Manager for Environmental Restoration and Waste Management (AMERWM) has overall responsibility for activities and programs managed by the ERD, the Waste Management Division (WMD), and the KSO in executing the responsibilities of the DOE-HQ Office of Environmental Restoration and Waste Management (EM).

The Management and Operating (M&O) contractor for the K-25 Site receives direction through the Director, K-25 Site Office, designated as the K-25 Contracting Officer's Representative (COR). The K-25 COR has overall responsibility for all activities conducted at the K-25 Site.

ERD is responsible for program management of environmental restoration activities and decontamination and decommissioning (D&D) facilities at the K-25 Site. In the management of the ERD responsibilities at the K-25 Site, the Director of ERD provides program direction through the M&O Contractor central Environmental Restoration Division (ERD) and the central D&D Division. These line organizations manage environmental restoration and D&D activities at the K-25 Site through a Memorandum of Understanding with the K-25 Site. A list of D&D facilities is provided in Attachment 1. A description of the respective roles and responsibilities of KSO and ERD is provided in Attachment 2.

The K-25 COR has responsibility for the Landlord Program at K-25 while ERD has overall responsibility for the ER Major Systems Acquisition (MSA) of which the K-25 Landlord is a part. A detailed description of the roles and responsibilities for K-25 Landlord Program is provided in Attachment 3.

III. RESOLUTION OF ISSUES

All issues or concerns between the KSO and ERD should be resolved at the lowest informed level within the organizations. In some instances this will not be possible and the issue will have to be raised to higher levels of management. The K-25 COR and the ERD Director will agree to any changes to this document. Any changes will be incorporated into a revised agreement.

Revision 1

IV. EFFECTIVE DATE AND TERMS OF AGREEMENT

This agreement shall take effect when signed, and shall be annually reviewed and revised as appropriate.

B. D. Walker, Acting Director
K-25 Site Office

11/2/91
Date

R. C. Sleeman, Director
Environmental Restoration
Division

11/2/91
Date

Revision 1

The changes indicated for Revision 1 shall take effect when signed and shall be reviewed and further revised as appropriate.

Thomas S. Tison, Director
K-25 Site Office

1/28/93
Date

for R. C. Sleeman, Director
Environmental Restoration
Division

4/12/93
Date

ATTACHMENT

D&D FACILITY INVENTORY
INVENTORY OF FACILITIES IN NEED OF D&D AS OF 8-1-91
OAK RIDGE FIELD OFFICE
K-25 SITE

Facility	Facility Name	Access Control Level *
K-25	K-25 Process Cell Floor & Operating Floor	III
	K-303-3 Vault	II
	K-306-5 Vault	II
	K-306-6 Vault	II
	Vault 25A	II
	Vault 26A	II
	Vault 27A	II
	Vault 28A	II
	Vault 29A	II
	K-312-1 Vault	II
	K-312-2 Vault	II
	K-312-3 Vault	II
K-27	K-27 Process Cell Floor & Operating Floor	II
	Vault 32A	II
	Vault 35	II
K-29	K-29 Process. Total	III
K-31	K-31 Process. Total	III
K-33	K-33 Process. Total	III
K-131	Feed Vaporization Building	II
K-413	Product Withdrawal Facility	II
K-631	Process Tails. Total	II
K-633	Test Loop Facility	II
K-701	PH. Boiler HSE/FAB Shop. Total	I
K-702	PH. TB RM & Dschrg., Total	I
K-703	PH. Fab Shop, BIO Lab. Total	I
K-705	PH. Crib House. Total	I
K-706	PH. Pump House	I
K-707	PH. Aux Switch House	I
K-708	PH. Scale House & PIT	I
K-709	K-25 Switchyard. Total	II
K-724	Storage Warehouse	II
K-735	Storage Warehouse	II
K-762	K-31 Switch yard	II
K-792	K-33 Switchyard	IV

Facility	Facility Name	Access Control Level *
K-832	Recirculating Water Pump House	II
K-832C	Cooling Tower	–
K-861	K-31 Cooling Tower	I
K-861J	K-31 Cooling Tower	I
K-862	K-31 Recir Water Pump House	II
K-892	Pump House Area	II
K-892-G	Cooling Tower. Structure Only	I
K-892-H	Cooling Tower, Structure Only	I
K-892-J	Cooling Tower. Structure Only	I
K-896	Recycle Blowdown Facility	II
K-896A	Clarifier Tank	II
K-896B	Clarifier Tank	II
K-1004L (Partial)	Laboratory Facility - Pilot Test Facility Only	II
K-1037 (Partial)	Barrier Facility Only	II
K-1031	Power/Utilities Equip. Storage	II
K-1040	Maintenance Shop K633	II
K-1131	Feed & Tails Building, Total	II
K-1132	HF Storage	II
K-1133	HF Storage	II
K-1231	Process	II
K-1233	Collection Facility	II
K-1251	Large Unloading Area	II
K-1300	Brick Stack	IV
K-1301	Pump Storage, Total	IV
K-1302	Fluorine Storage	II
K-1303	Research Comp. Building	IV
K-1401N	Converter Retubing Area	IV
K-1413	Laboratory Engineering. Total	II
K-25/K-27	Tielines	–
K-27/K-131	Tielines	–
K-27/K-631	Tielines	–
K-27/K-633	Tielines	–
K-27/K-913	Tielines	–
K-27/K-1131	Tielines	–
K-31/K-631	Tielines	–
Total	56 Facilities/Structures	

* Access Control Levels:

Level I - Access prohibited except in an emergency.
Level II - Facilities/areas locked up.
Level III - Facility access only thru badge reader.
Level IV - Administrative access control (obey signs for entry)

Attachment 2

RESPONSIBILITIES OF THE DIRECTOR, K-25 SITE OFFICE

1) Responsible for oversight of Environment, Health, and Safety functions for all K-25 Site facilities and activities. The KSO has the responsibility to ensure that D&D facilities and environmental restoration projects on the K-25 Site are being managed according to DOE or K-25 Site requirements and has shutdown authority when it is judged that continued activity would endanger human life or the environment at an ERD managed facility or project.

2) Participate in key reviews and provide input to ERD on K-25 Site activities that may have an impact on ERD managed activities.

3) Coordinate responses to requests for K-25 Site sitewide information that also involves D&D facilities and environmental restoration projects.

4) Provide input on budget prioritizations set by ERD to reflect potential impacts to the K-25 Site.

5) Consign with ERD on D&D or environmental restoration related RCRA permits and RCRA permit applications as required.

6) Identify active systems or facilities that are planned to be taken out of service and transferred to ERD.

7) Provide the lead on site development planning with input from ERD on D&D facilities.

8) Undertake all responsibilities for the DOE Field Office Facility Representative (FR) role as defined in DOE 5000.3A and coordinate all reporting and corrective actions with the Director, ERD, where ERD facilities/operations are involved.

RESPONSIBILITIES OF THE DIRECTOR, ENVIRONMENTAL RESTORATION DIVISION

1) Responsible that safety and health regulations and requirements are being met on environmental restoration and D&D projects.

2) Responsible that ERD facilities and projects meet all applicable environmental regulations and the terms and conditions of the ORR Federal Facility Agreement.

Note:
- The Director, KSO, or Director, ERD, apply for, sign, and maintain permits; submit NEPA documentation; and sign Discharge Monitoring Reports (DMRs) for discharges from their respective facilities or projects.
- The Director, KSO, and Director, ERD, consign RCRA permits, and all RCRA permit applications for ERD managed facilities or projects on the K-25 Site.
- The Director, ERD, maintains and applies for air permits and authorizations for ERD managed projects.

3) Manage and resolve environmental compliance issues including CWA, CAA, SDWA, TSCA, RCRA, CERCLA, NEPA issues for ERD managed activities. The Director, ERD, is the central point of contact and responsible for environmental restoration activity issues with Tennessee Department of Environment and Conservation (TDEC) and the Environmental Protection Agency (EPA). The Director, KSO, will be notified of meetings and status of issues in the environmental arena and will receive information copies of correspondence that is exchanged between the regulators and ERD affecting the K-25 Site.

4) Coordinate schedules and technical support requirements for ERD managed activities conducted on the K-25 Site with the KSO to minimize K-25 Site impacts and missions.

5) Identify potential program funding level shortfalls in ER managed activities and coordinate with the KSO in a timely fashion in determining potential K-25 Site impacts.

6) Prepare responses and develop Corrective Actions to address inspections, audits, Tiger Team assessments, appraisals, etc., that involve ERD managed facilities, projects, or programs.

7) Ensure that adequate budget for environmental restoration activities is requested from HQ. Budget information concerning environmental restoration activities will be provided to the KSO when needed.

8) Coordinate with KSO in supporting annual EM program reviews including budget status.

9) Provide Award Fee Performance Evaluation Committee (PEC) input to the KSO on K-25 support to environmental restoration and D&D activity.

Attachment 3

K-25 LANDLORD RESPONSIBILITIES

Environmental Restoration Division

- Overall responsibility for ER MSA
- Provides guidance to K-25 COR (KSO)
  - Will notify KSO of any upcoming exercise which impacts Landlord Responsibilities
- Consolidates info for HQ submission on such things as:
  - Progress Tracking Systems (PTS)
  - Work Plans
  - Activity Data Sheets (ADS)
  - Fin Plan Changes
- Configuration Change Control Board (CCB)
- Overall budget formulation/prioritization
- Baseline Life-Cycle Estimates (FFCA)
  - List of assumptions/timing for cleanups
  - How to get there
  - Phasing of money
- Receive compiled input from Energy Systems which included KSO Landlord ADS, etc. prior approval
- Changes:
  - ADS to ADS - Each one to change board
  - Above $250K within same ADS to HQ (Fin Plan Changes)
- Develop D&D plan - coordinate w/KSO
- Thresholds for K-25
  - $250K for KSO
  - $100K for Energy Systems

K-25 Contracting Officer's Representative

- Implement Landlord Program portion of ER MSA
- Tracks and evaluates contractor performance
- Provides direction to Energy Systems at K-25
- Provides input on Landlord as required for:
  - PTS
  - Work Plan submissions
  - ADS
  - Fin Plan changes
  - Baseline Life-Cycle estimate (using 7 year Infrastructure Plan)
- Participate in CCB for K-25 Landlord change (KSO has authority for changes within ADS)
- Reviews all Energy Systems Landlord Program deliverables prior to transmittal to ERD
- Participates in reports and meetings involving Landlord portion of ER
- Develops and implements procedure outlining HQ-KSO-Energy Systems interfaces within ADS
- Review D&D Plan for consistency with Landlord Plans
- Works with Technical Integration Branch on coordination of ADSs, etc.