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SITE TECHNOLOGY COORDINATION GROUP ACTION PLAN

11/21/94

DOE-0208-95
DOE-FN DISTRIBUTION
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PLAN

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United States Government

Department of Energy

Fernald Field Office

memorandum

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DATE: NOV 21 1994

DOE-0208-95

REPLY TO

ATTN OF: FN:Warner

SUBJECT: SITE TECHNOLOGY COORDINATION GROUP ACTION PLAN

TO: Distribution

Enclosed for your information is the Department of Energy, Fernald Area Office (DOE-FN)/Ohio Field Office (DOE-OH) Site Technology Coordination Group (STCG) Action Plan. The action plan, dated May 29, 1994, was one of the initial steps in ensuring the implementation of the STCG. DOE-FN/DOE-OH management continues to maintain a strong commitment to the program. Current activities include the development of the DOE-FN/DOE-OH STCG Implementation Plan. This plan will outline the manner in which DOE-FN has complied with DOE's new approach to Environmental Research and Technology Development. The implementation plan will be forwarded for your information upon its completion.

If you have any questions, please contact Jay Jalovec at (513) 648-3122.

Jay Jalovec
for Rod Warner
Technology Development
Team Leader

Attachment: As Stated

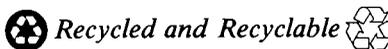
cc w/att:

- J. Lytle, EM-30/FORS
- G. Boyd, EM-53/QO
- K. Chaney, EM-423/QO
- J. Fiore, EM-423/QO
- D. Kozłowski, EM-423/QO
- S. Fauver, EM-423/QO
- J. Lilly, EM-422/QO

cc w/o att:

- P. Pettit, FERMC0/81-2

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U.S. DEPARTMENT OF ENERGY
FERNALD SITE/OHIO FIELD OFFICE

SITE TECHNOLOGY COORDINATION GROUP
ACTION PLAN

(Part Of The DOE New Approach To
Environmental Research and Technology Development)

MAY 29, 1994

Prepared by the U. S. Department of Energy - Fernald

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U.S. DEPARTMENT OF ENERGY
FERNALD SITE/OHIO FIELD OFFICE
SITE TECHNOLOGY COORDINATION GROUP ACTION PLAN

1.0 PURPOSE:

The purpose of this plan is to outline the manner in which DOE-FN plans to coordinate site technology development and implementation activities with the Department of Energy's New Approach to Environmental Research and Technology Development, as outlined by the DOE Headquarters Action Plan dated January 25, 1994. This document describes the Fernald/DOE Ohio Field Office (OFO) "Site Technology Coordination Group" (STCG) organizational structure, management process, technology process and identifies key personnel.

2.0 MISSION:

The mission of the DOE Fernald/OFO STCG is to proactively represent sites associated with the OFO to the DOE Research and Development effort, to communicate technology needs, and to bridge local and organizational barriers in order to acquire and implement technologies needed to expedite and economize the remediation of Fernald and other OFO sites.

3.0 OBJECTIVES OF PLAN:

The overall objective of the STCG is to provide new, direct communication between technology users (customers) and technology developers so that a "co-dependency" occurs resulting in a better method for developing joint solutions to Fernald/OFO technology needs. Specific objectives include the following:

- Address needs for improved technology for Fernald and all facilities reporting to the DOE OFO.
- Provide balanced reflection of needs, with proper consideration of stakeholder or OFO input.
- Utilize the most advantaged Ohio or OFO site for demonstration of new technologies to overcome "invented here" issues and speed up implementation.
- Maintain a vigorous pace on implementation of new, improved technologies.
- Achieve measurable improvement in site remediation.

- Identify and provide new technologies and technical information to site users.

4.0 SITE SITUATION ANALYSIS/ISSUES:

- Fernald, through the Environmental Restoration Management Contractor (ERMC) approach has already established functions that conduct limited activities resembling those specified for the STCG.
- Funding does not exist in the Fernald Baseline to conduct STCG activities at the level advocated in the "Action Plan - A New Approach to Environmental Research and Technology Development at the U.S. Department of Energy".
- DOE-FN has already established detailed cooperative working arrangements with the U.S. EPA, and interfaces on a regular basis with the Ohio EPA, facilitating the regulatory interface solicited by the DOE R&D Management and Implementation Teams. This advantageous cooperative mechanism is known as the Integrated Remedial Technologies Evaluation Program (IRTEP).
- Fernald is conducting cooperative demonstration projects with other Ohio DOE facilities, and is already practicing the cooperation necessary to make the STCG concept work. The lessons learned from this Fernald initiative will be made available to the Headquarters Management and Implementation Teams.

5.0 IMPLEMENTATION PROCESS:

The key to success: Fernald/OFO management is committed to implementation of the STCG. The Fernald plan for implementation of the STCG is outlined on the enclosed figures in Annex A. The following sections delineate the charters of each major element in the STCG, identify their mission and list key points of contact for focus areas within each element.

5.1 DOE-FN/OFO STCG Management Element

Charter: Represent the Fernald/OFO STCG to the DOE "New Approach" Management and Implementation Teams. Manage the operation of Subgroups of the STCG covering functions involving (a) Technology needs (focus), (b) Technology implementation, and (c) Technology integration (transfer).

5.1 DOE-FN/OFO STCG Management Element (cont.)

Responsibilities: Act as the interface for DOE-FN/OFO with the HQ DOE Management and Implementation Teams, and as directed, manages Fernald site technology activities. Validate and prioritize site technology needs based on recommendations of the three Fernald/OFO STCG sub-elements. Obtain and allocate resources to accomplish required site technology activities. Provide guidance on STCG project milestones. Maintain a positive safety attitude and environment. Coordinates and gather recommendations and detail from the Technology, Integration and Implementation functional sub-elements, and formulate overall conclusions and establish local STCG policy.

Annex B Key lists key personnel for the DOE FN/OFO STCG.

5.2 Technology Needs Identification Element (Focus)

Charter: Conduct comprehensive identification of site technology requirements, working closely with DOE, site Operable Units and Divisions, as well as working with appropriate stakeholders (through the integration element of the OFO STCG). Assist STCG management element to validate and prioritize site technology needs, and determine the schedule requirements for filling each need.

Responsibilities: Function as Subject Matter Experts on assigned Technology Focus Areas. Provide to the TPO & TPM recommendations on site technology needs based on site remediation and restoration requirements. Provide Technical assistance as required to the Implementation and Site Coordination Element. Conduct technology evaluations and life-cycle cost analyses. Provide support and recommendations to the STCG management element as required.

Annex B lists key personnel for this element.

5.3 Technology Implementation Element

Charter: Conduct on site Technology projects, developments and demonstrations as directed by STCG Management in support of DOE's "New Approach" Management and Implementation Teams. Coordinate with site remediation and restoration efforts and the Office of Technology Development.

5.3 Technology Implementation Element (cont.)

Responsibilities: Manage or coordinate projects as assigned by STCG Management (TPO & TPM) in the most cost effective and safest manner possible. Meet all STCG project milestone on time and within budget. Maintain liaison with all elements of the STCG as required. Provide project management personnel, and conduct all required on site and off site interfaces and coordination to execute projects.

Annex B lists key personnel for this element.

5.4 Technology Integration Element (Technology Transfer)

Charter: Establish a comprehensive technology integration and transfer program to ensure consideration of Stakeholder concerns, Regulatory issues, and other appropriate issues. Support internal and external requests for technology data concerning site technology activities. Establish and maintain an independent technology monitoring (metrics) program to ensure site technology activity integration.

Responsibilities: Conduct a site technology integration program to ensure Stakeholder and Regulatory issues are addressed. Assume the lead for internal and external requests for technology data for all STCG activities. Conduct integration meetings as required to ensure the site is not duplicating technology activities. Provide personnel and act as the primary point-of-contact for stakeholder, regulator and other off-site interests, including other DOE sites. Maintain appropriate contact and relevant input from the Alliance of Ohio Universities and IRTEP. Act as the primary interface between the STCG and site technology "customers" (users), provide data from demonstrations and facilitate the actual use of technology developments for site remediation. Report to STCG Management suspected ineffective technology activities.

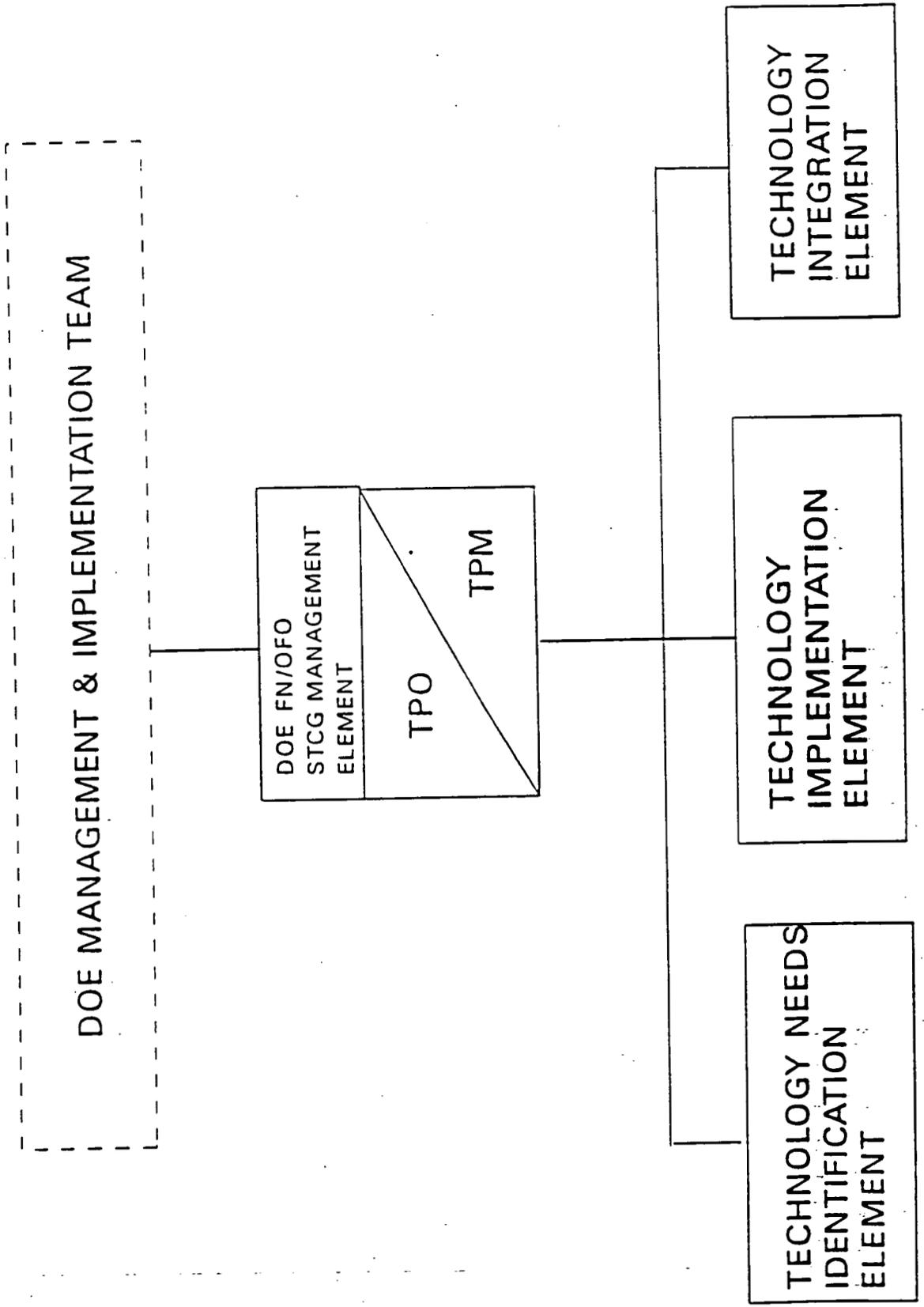
Annex B lists key personnel.

6.0 METRICS: Metrics to evaluate site technology activities will be based on considerations which include:

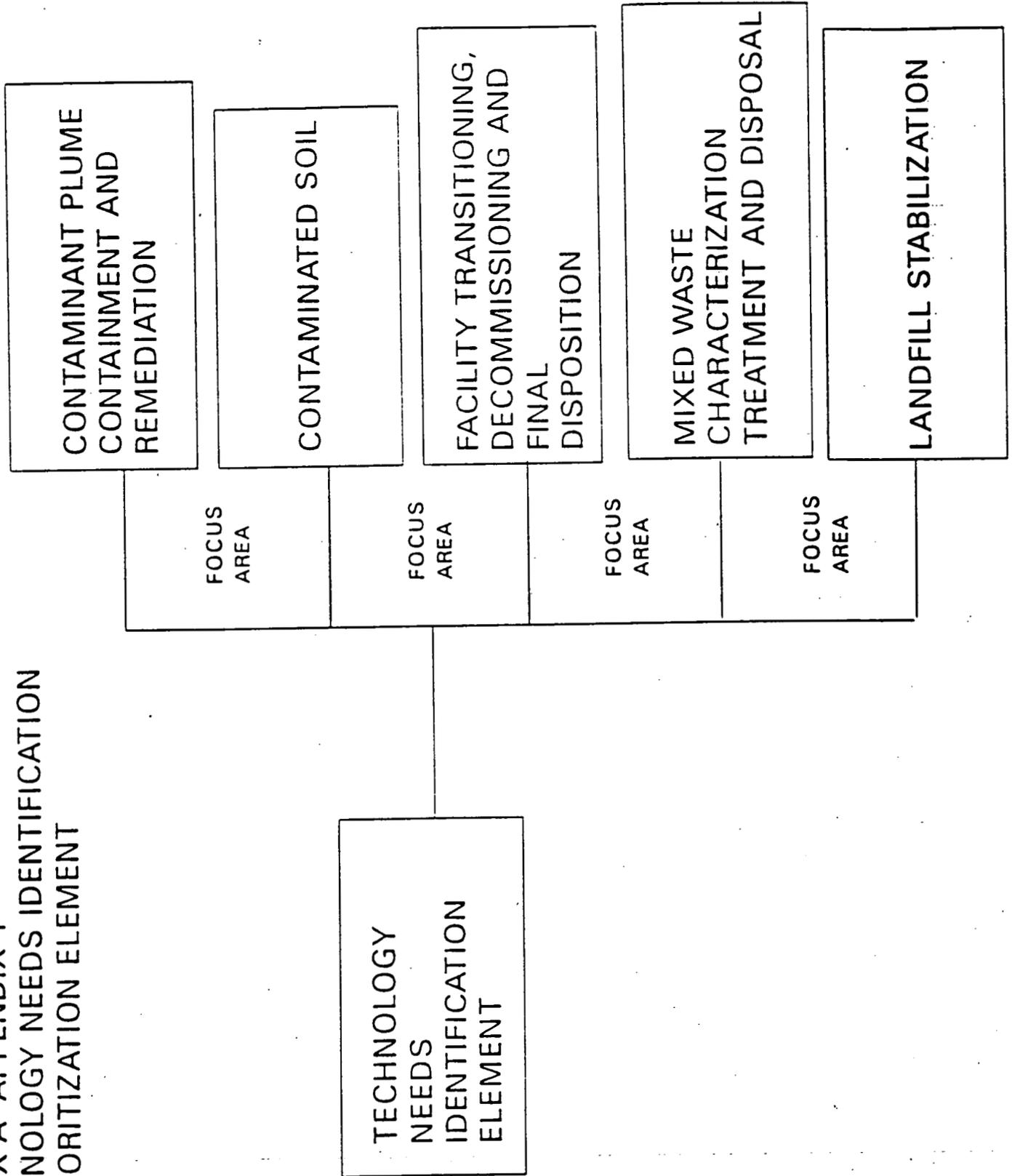
- Use of the technology on site
- Inclusion in RI/FS
- Stakeholder acceptance
- Meeting regulatory guidance
- Lowest life-cycle cost
- Faster, Safer

Detail plans for metrics will be developed by the Fernald/OFO STCG after it is established and coordinates with the DOE Headquarters Management and Implementation Team.

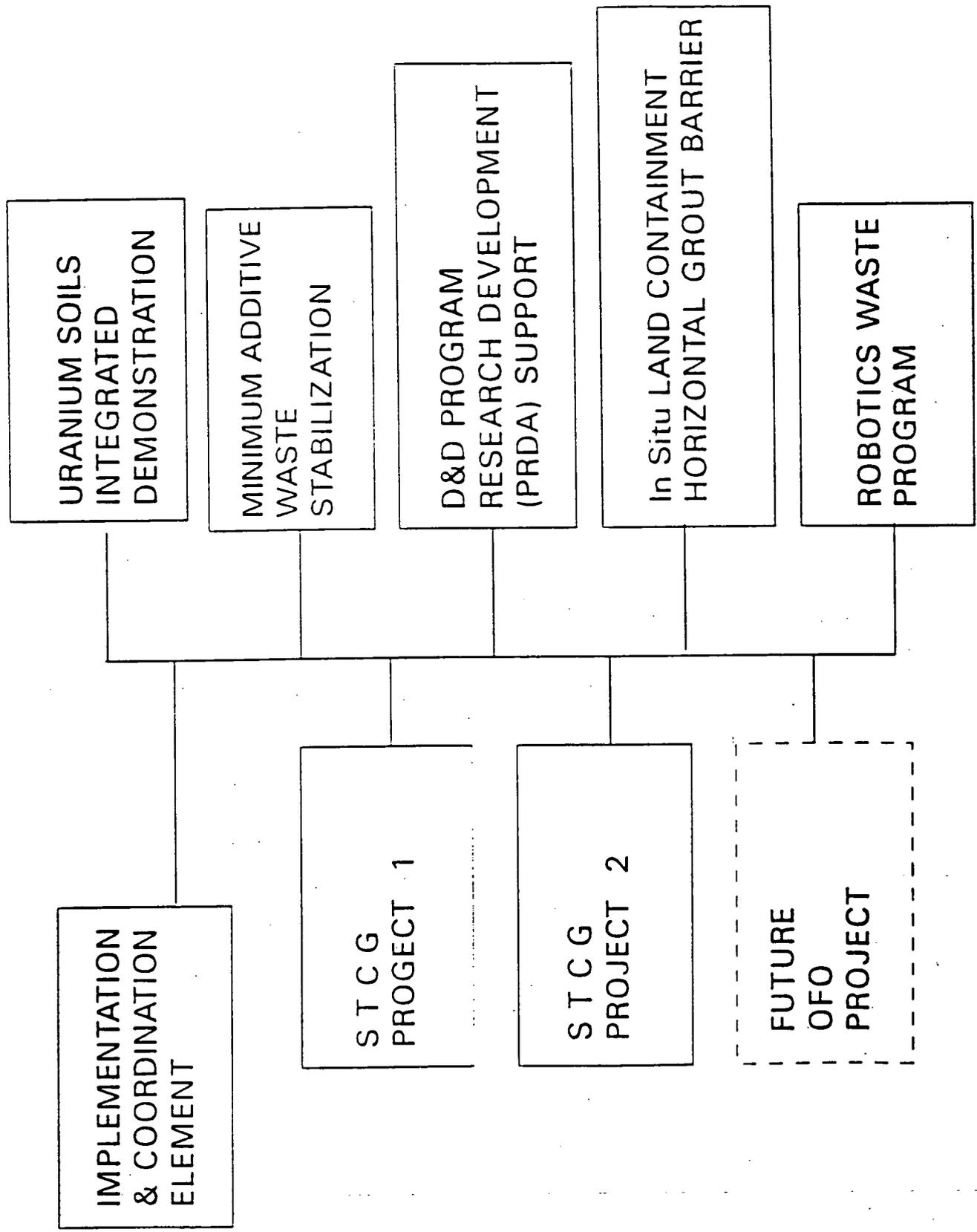
ANNEX A FERNALD SITE / OFO
TECHNOLOGY COORDINATION GROUP



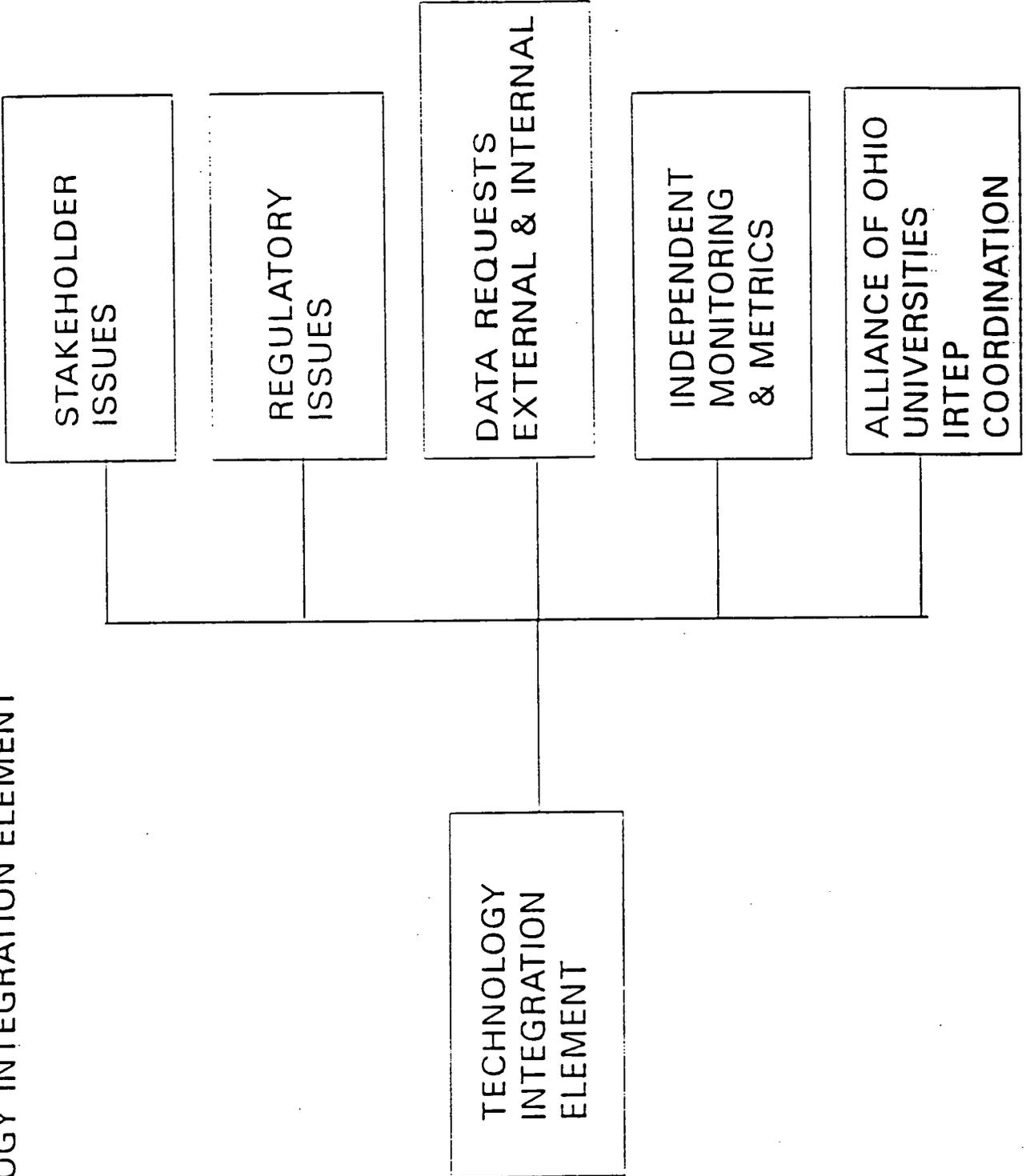
ANNEX A APPENDIX 1
TECHNOLOGY NEEDS IDENTIFICATION
& PRIORITIZATION ELEMENT



ANNEX A APPENDIX 2
IMPLEMENTATION ELEMENT



ANNEX A APPENDIX 3
TECHNOLOGY INTEGRATION ELEMENT



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ANNEX B (FN-STCG MANNING) 11-15-94

STCG MANAGEMENT ELEMENT

DOE-FN Lead: Technical Program Officer (TPO)
Rod Warner
Phone 513-648-3156
Fax 513-648-3076

FERMCO Lead: Technical Program Manager
Paul Pettit
Vice President of Technology
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Fax 513-648-6913

TECHNOLOGY NEEDS IDENTIFICATION ELEMENT

TECHNICAL FOCUS AREA Lead: David Ridenour
Manager Technology Source
& Integration
Phone 513-738-6138
Fax 513-738-6772

FOCUS AREAS

CONTAMINANT PLUME CONTAINMENT AND REMEDIATION:

Primary - Kathy Nickel (DOE)
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Fax 513-738-9509

2nd Alternate John Blair (TS&I)
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Primary - Dennis Carr (CRU5)
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Primary - Todd Clark (CRU3)
Phone 513-738-6603
Fax 513-738-8632

Alternate - Don Pfister (DOE)
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Fax 513-648-3077

2nd Alternate Dennis Cook (TS&I)
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Fax 513-738-6772

MIXED WASTE CHARACTERIZATION, TREATMENT, AND DISPOSAL TEAM:

Primary - John Witzeman (Hazardous & Mixed Waste Management)
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Fax 513-738-6958

Alternate - Rod Warner (DOE)
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Disposal Planning)
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Phone 513-648-3122
Fax 513-648-3076

Alternate - Stace Dahl (CRU1)
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2nd Alternate Dale T. Guilfoyle (TP-TS&I)
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Fax 513-738-6772

TECHNOLOGY IMPLEMENTATION & SITE (COORD) ELEMENT

IMPLEMENTATION & COORD LEAD Don Herman (TP-TD)
Manager of Technology Development
Phone 513-648-6555
Fax 513-648-6915

PROJECTS:

- URANIUM SOILS INTEGRATED DEMONSTRATION

Primary - Kim Nuhfer (TP-TD)
 Phone 513-648-6556
 Fax 513-648-2738

- MINIMUM ADDITIVE WASTE STABILIZATION

Primary - Sam Wolinsky (CRU4)
 Phone 513-648-6626
 Fax 513-648-6922

- D&D PROGRAM RESEARCH DEVELOPMENT (PRDA) SUPPORT

Primary - Richard Martineit (TP-TD)
 Phone 513-648-6386
 Fax 513-648-6915

- In Situ Land Containment (Horizontal Grout Barrier)

Primary - Kathy Riedel (TP-TS&I)
 Phone 513-738-6138
 Fax 513-738-6772

- ROBOTICS WASTE PROGRAM

Primary - Brack Hazen (TP-TD)
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TECHNOLOGY INTEGRATION ELEMENT**TECHNICAL INTEGRATION CO-CHAIRS:**

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**DATA REQUEST EXTERNAL
& INTERNAL**

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**INTERNAL MONITORING &
METRICS**

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