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NAS CECIL FIELD
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PUBLIC INFORMATION SESSION SLIDES FOR INTERIM REMEDIAL ACTION SITE 11 GOLF
COURSE PESTICIDE DISPOSAL AREA NAS CECIL FIELD FL
3/8/1994
NAS CECIL FIELD

**Naval Air Station Cecil Field
Jacksonville, Florida**



**Public Information Session
March 8, 1994**

**Interim Remedial Action
Site 11
Golf Course Pesticide Disposal Area**

Public Meeting Agenda

- ✓ **Installation Restoration Program**
- ✓ **Remedial action process**
- ✓ **Overview of Site 11**
- ✓ **Interim remedial action for Site 11**
- ✓ **Questions and answers**

NAS Cecil Field Installation Restoration Program

**Proposed cleanup is part of the Installation
Restoration (IR) Program**

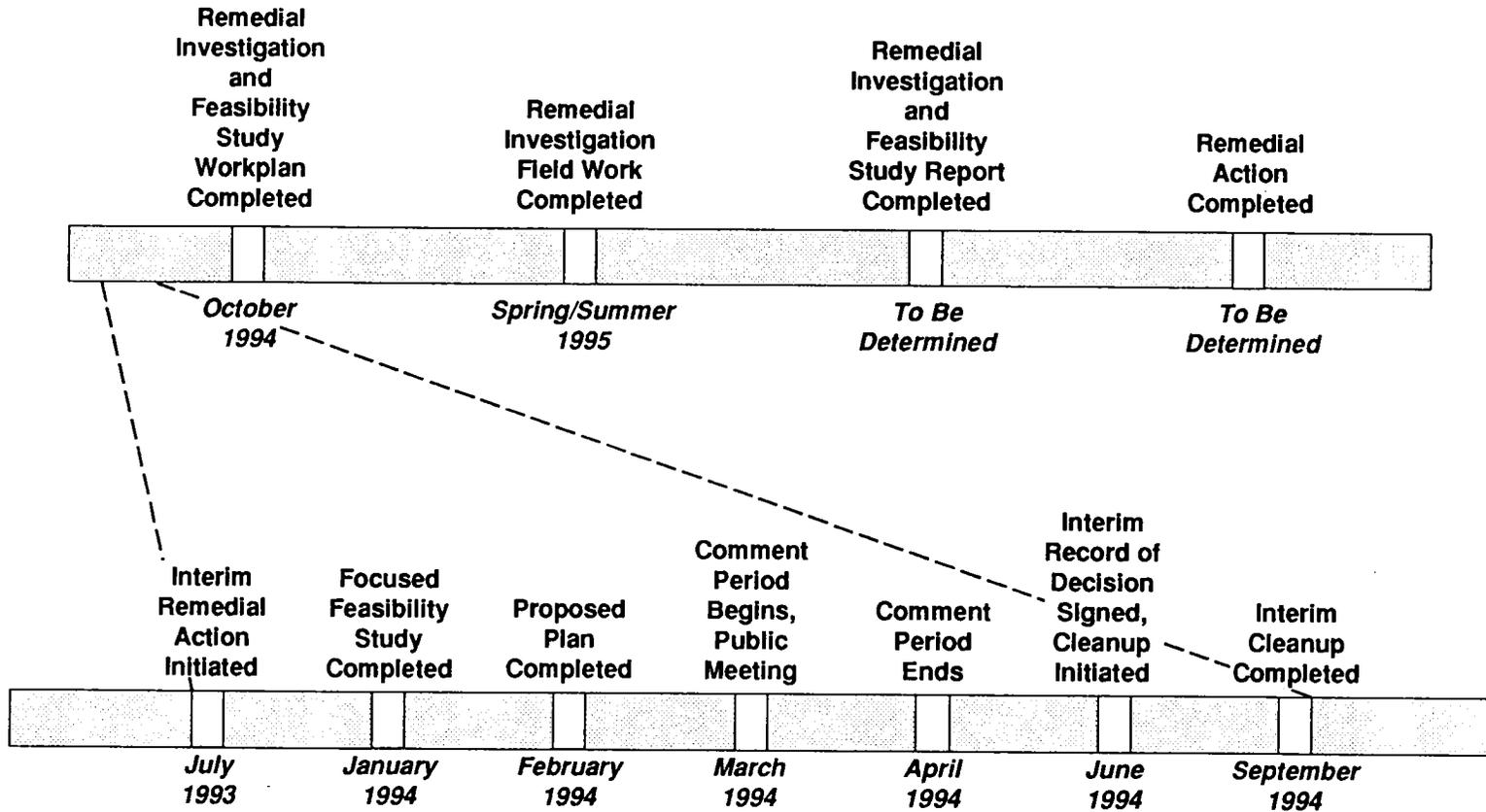
IR Program guided by:

- ✓ Technical Review Committee**
- ✓ Federal Facility Agreement among**
 - U.S. Environmental Protection Agency (USEPA),**
 - Florida Department of Environmental
Protection (FDEP), and**
 - Navy**

**NAS Cecil Field is on the National Priority
List (NPL)**

Remedial Action Process

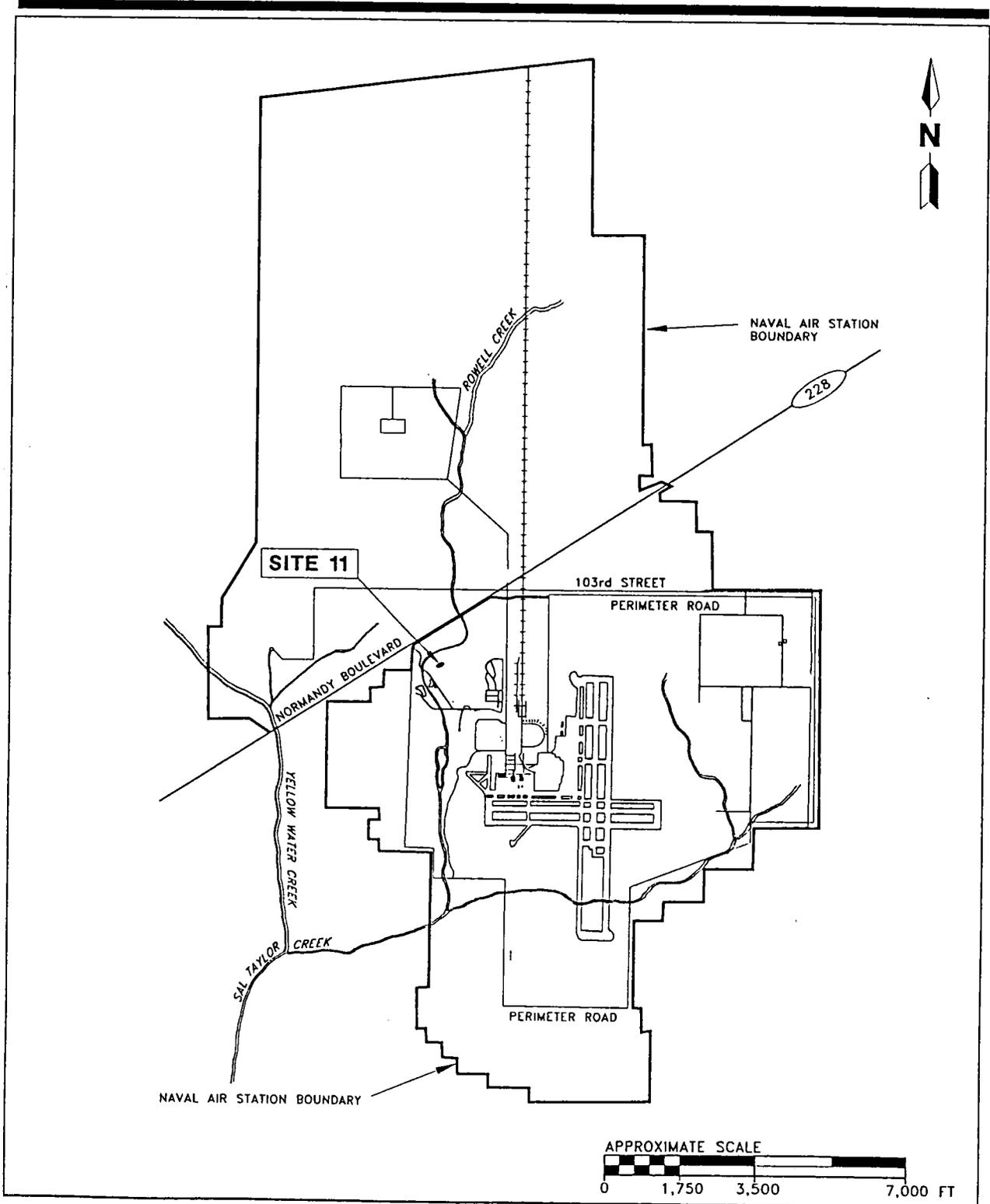
Remedial Action Process for Site 11



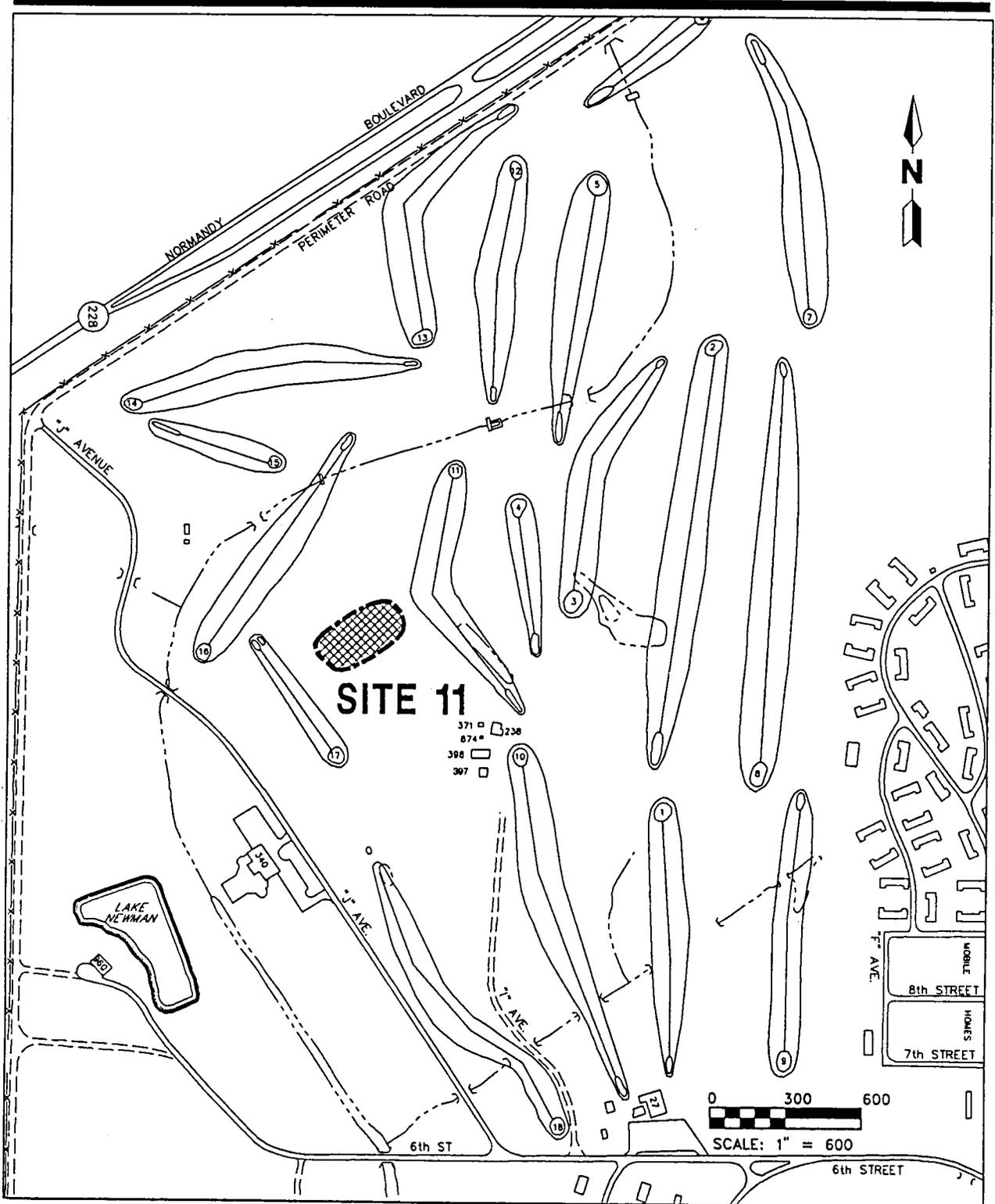
Interim Remedial Action Process for Site 11

Overview of Site 11

Site Location



Overview of Site 11 Site Study Area



Overview of Site 11

- ✓ **Disposal area for empty, full, and partially-full pesticide containers**
- ✓ **Site used from the early 1970s until 1978**
- ✓ **Containers were reportedly buried in a pit, measuring 40 feet by 40 feet**

Interim Remedial Action at Site 11

***First Step:* Focused Remedial Investigation**

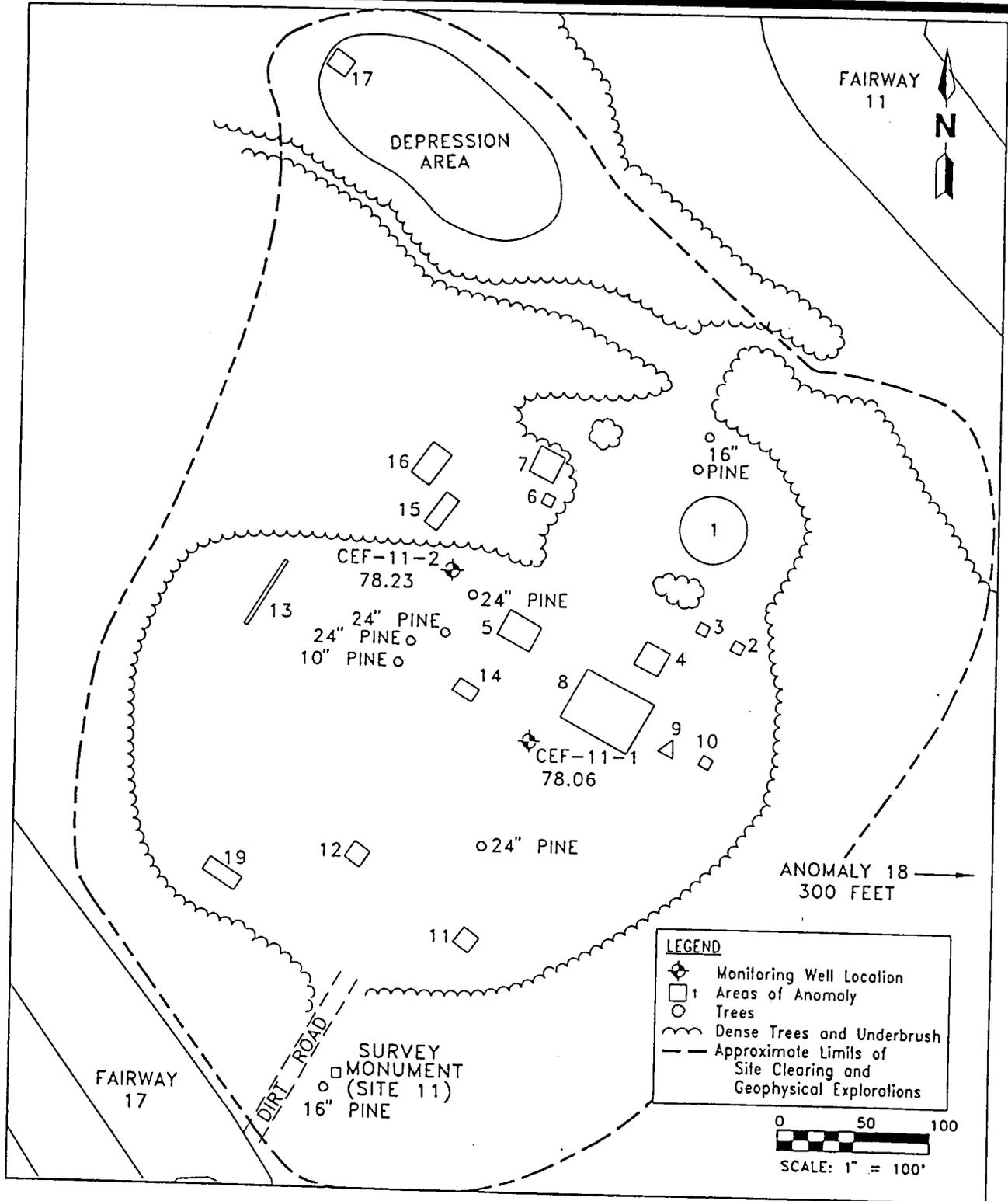
Interim Remedial Action at Site 11 Focused Remedial Investigation

✓ **Electromagnetic Survey**

Test Pitting

Sampling and Analysis

Interim Remedial Action at Site 11 Focused Remedial Investigation



Interim Remedial Action at Site 11 Focused Remedial Investigation

Electromagnetic Survey

✓ **Test Pitting**

Sampling and Analysis

Interim Remedial Action at Site 11 Focused Remedial Investigation

Electromagnetic Survey

Test Pitting

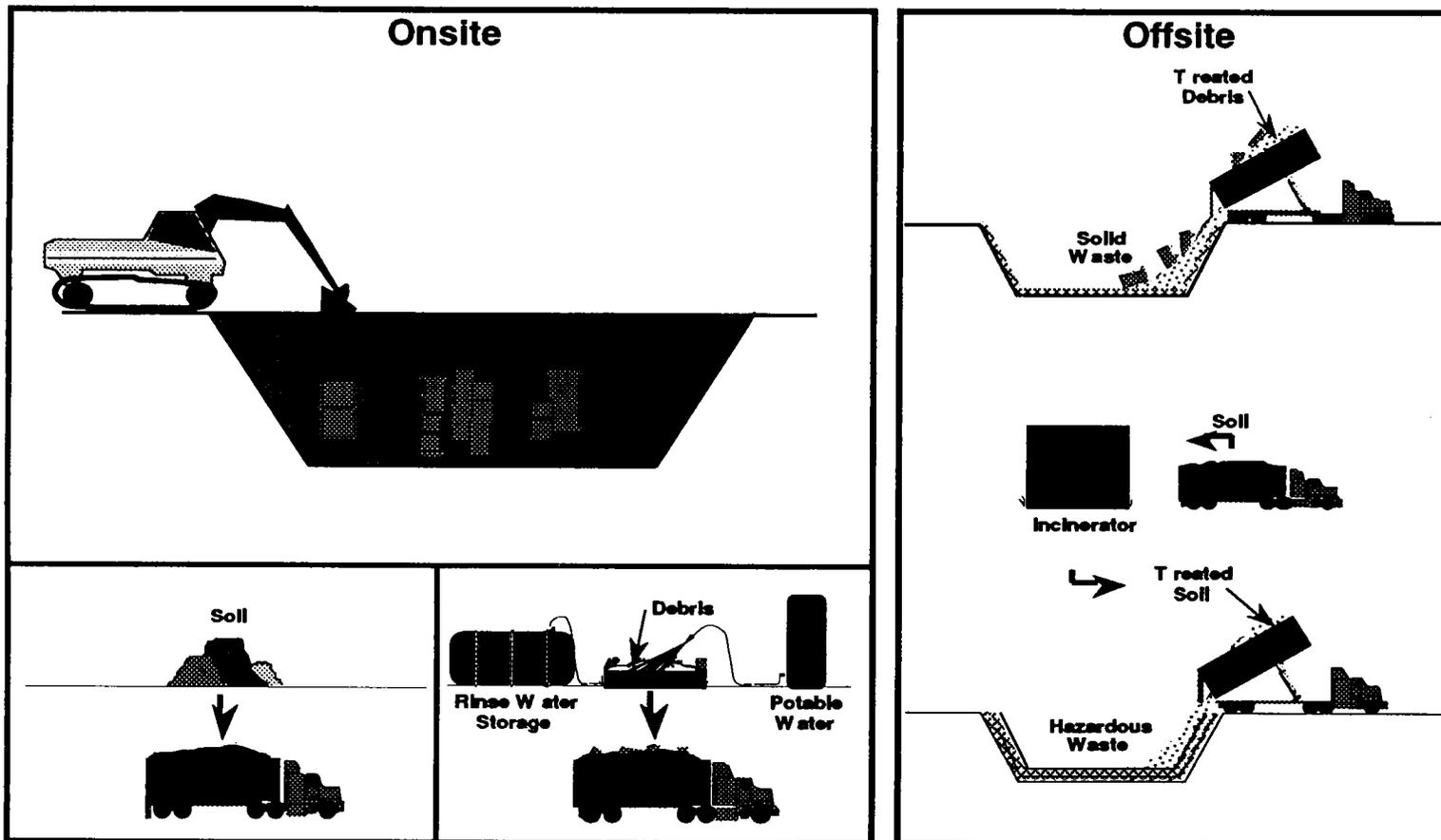
✓ Sampling and Analysis

Interim Remedial Action at Site 11

***Second Step:* Focused Feasibility
Study**

ALTERNATIVE	1 Treat debris onsite and soils offsite and landfill	2 Treat soil and debris offsite and landfill	3 Treat debris onsite and landfill soil and debris	4 Treat debris offsite and landfill soil and debris	5 Soil and debris to hazardous waste landfill
Common Activities: <ul style="list-style-type: none"> • Clear and prepare the site; • Excavate contaminated debris, including full, partially full, and leaking containers; • Stage all pesticide containers; sample contents of partially full and leaking containers; • Excavate contaminated soil; • Sample excavated soil; • Transport full, partially full, and leaking pesticide containers to offsite incinerator; • Backfill excavate areas with native soil; and • Demobilize and restore site to its previous condition. 	•	•	•	•	•
Soil: Transport to offsite incinerator for treatment (assumes treatment is required)	•	•			
Transport to a hazardous waste landfill for disposal (assumes treatment is not required)			•	•	•
Debris: Treat onsite with high pressure water	•		•		
Transport cleaned debris to solid waste landfill for disposal	•		•		
Transport for offsite treatment and disposal in solid waste landfill		•		•	
Transport to hazardous waste landfill for disposal (assumes variance allows disposal and a landfill will accept)					•
Estimated Costs:	\$1,772,000	\$1,770,000	\$708,000	\$705,000	\$749,000
Estimated Time:	5	5	5	5	5

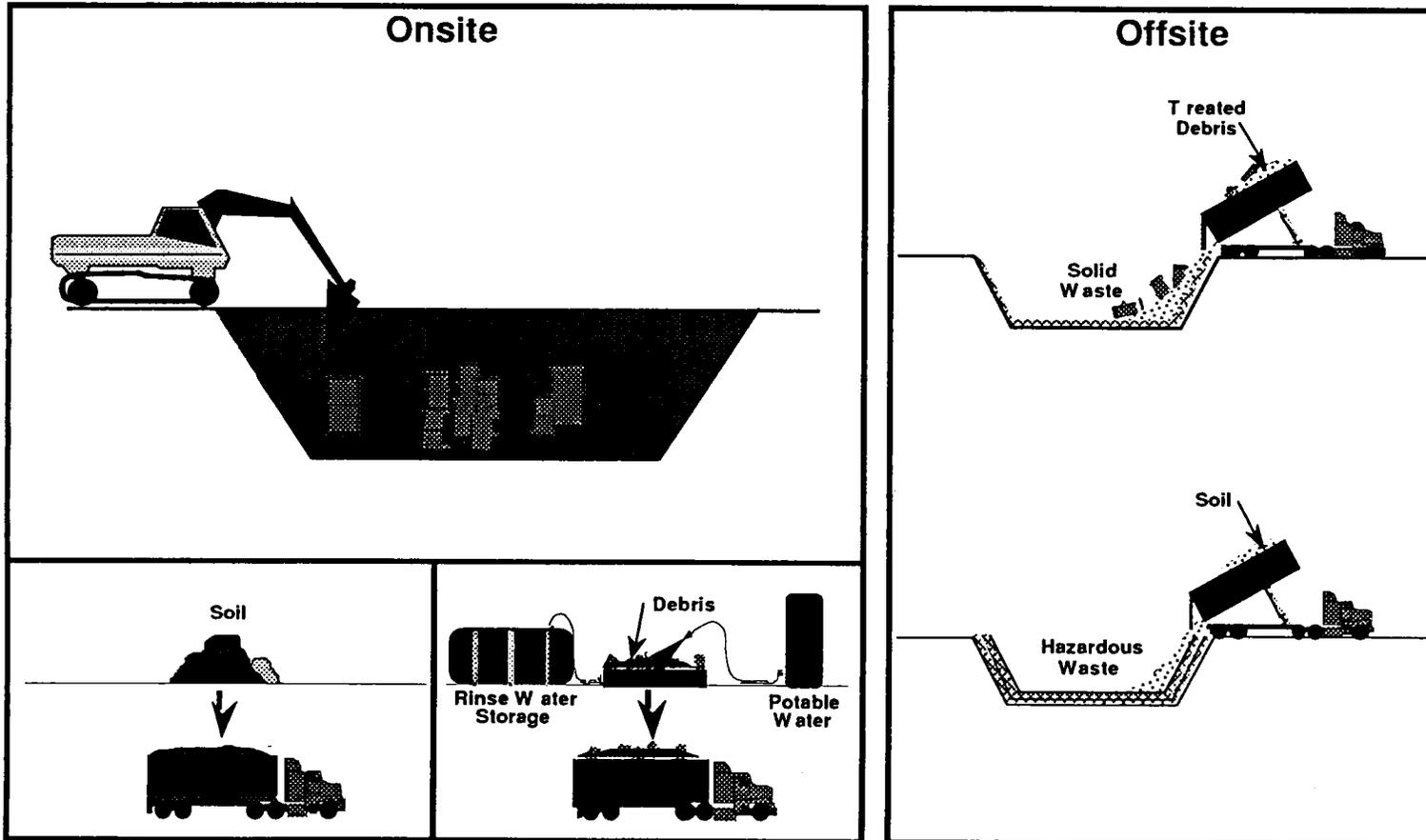
Interim Remedial Action at Site 11 Focused Feasibility Alternative 1



Interim Remedial Action at Site 11

Focused Feasibility

Alternative 3



Interim Remedial Action at Site 11

***Third Step:* Proposed Plan**

Interim Remedial Action at Site 11 Preferred Alternative

The preferred alternative is a combination of Alternatives 1 and 3:

Alternative 1: Would be implemented when concentrations of hazardous constituents in soil are above the land disposal restriction treatment standard.

Alternative 3: Would be implemented when concentrations of hazardous constituents in soil are below the land disposal restriction treatment standard.

Interim Remedial Action at Site 11

Fourth Step: Public Comments

- ✓ **Public comment period**
- ✓ **Public meeting**
- ✓ **Responsiveness summary**

Interim Remedial Action at Site 11 Future Activities

Interim Record of Decision (IROD)

- ✓ **Details the interim remedial action chosen for the site**
- ✓ **Responds to comments received from the public**

Design

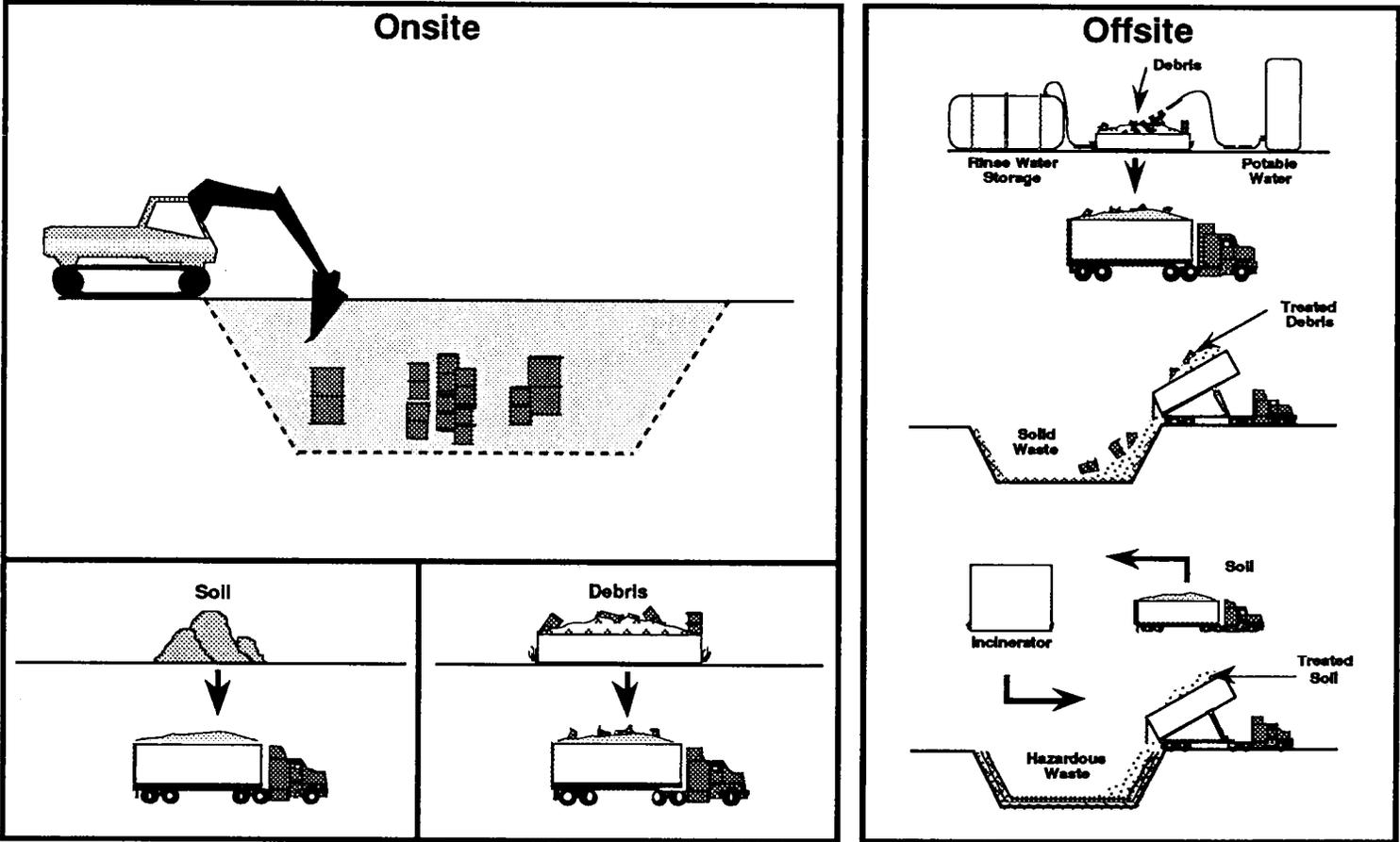
Interim Remedial Action

Summary

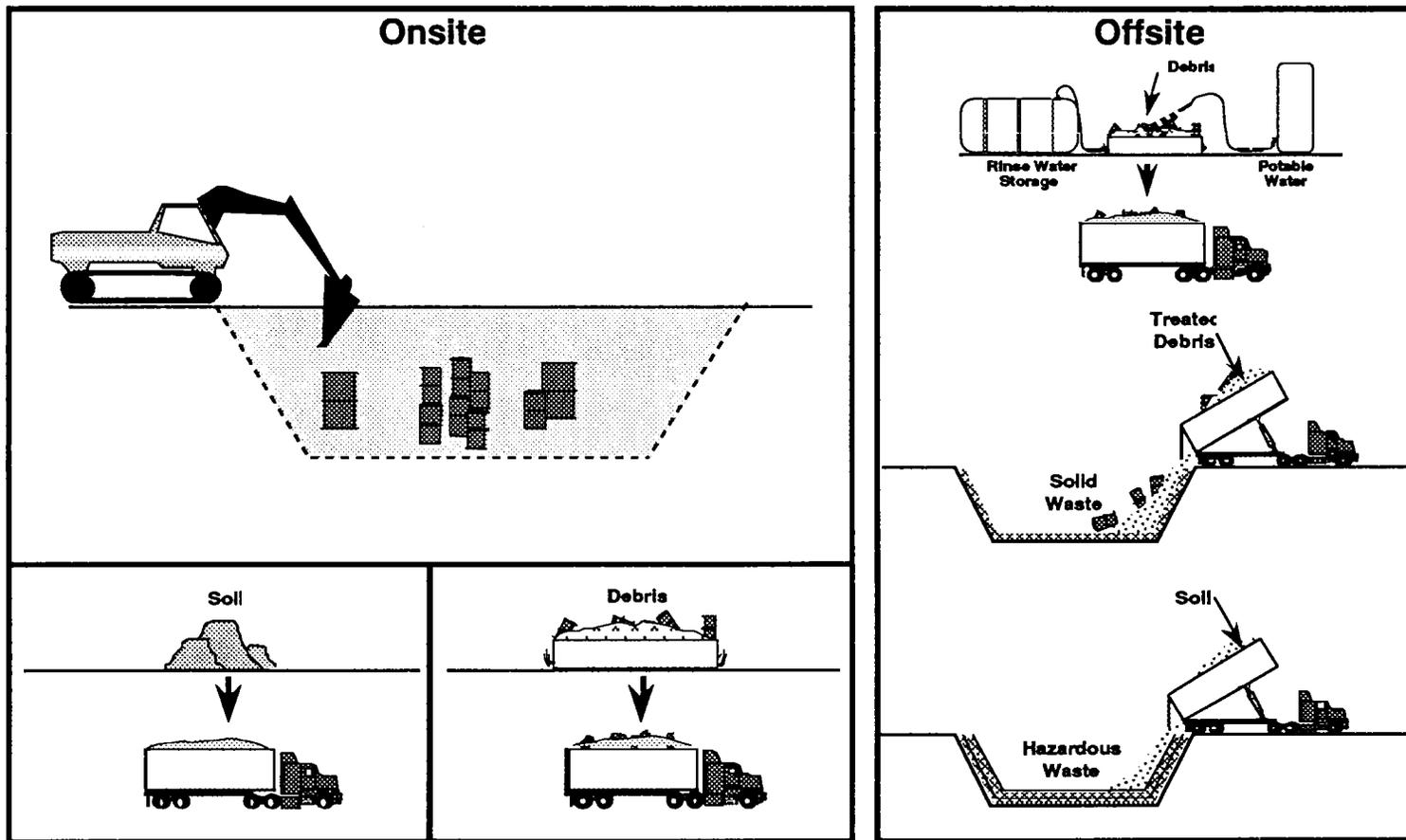
- ✓ **An interim remedial action was identified at Site 11 to expedite the cleanup process.**
- ✓ **Empty, full, and partially-full pesticide containers and contaminated soil will be removed.**
- ✓ **Any remaining soil contamination will be defined during the remedial investigation and evaluated for further cleanup.**
- ✓ **Five cleanup alternatives were identified in the Focused Feasibility Study. A combination of Alternatives 1 and 3 was identified as the preferred alternative in the proposed plan.**
- ✓ **A public comment period is in progress. Public comments are encouraged and will be considered in the Interim Record of Decision (IROD), design, and implementation of the cleanup.**
- ✓ **IROD scheduled to be signed in early June 1994.**
- ✓ **Cleanup scheduled for completion in September 1994.**

Questions and Answers

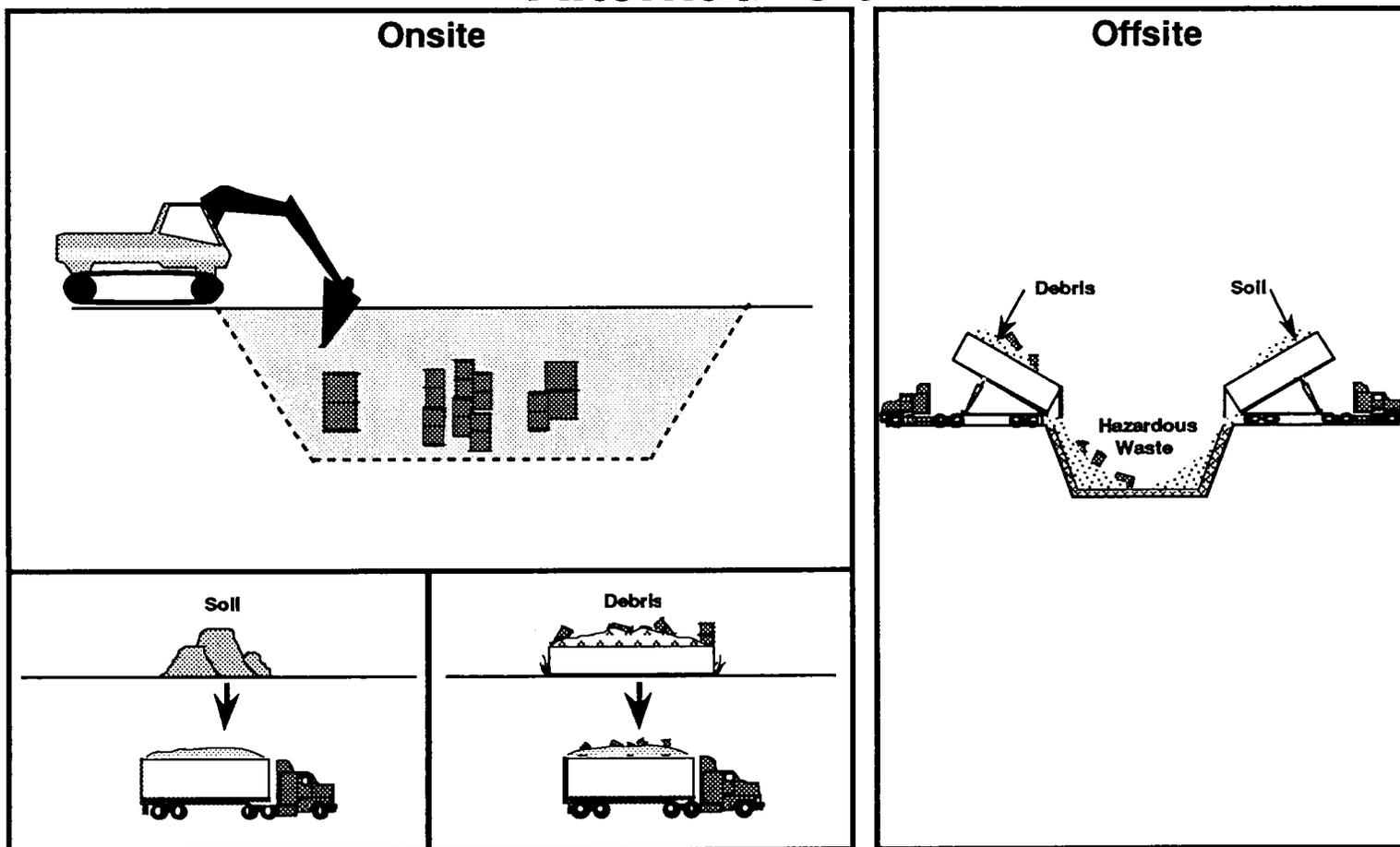
Interim Remedial Action at Site 11 Focused Feasibility Alternative 2



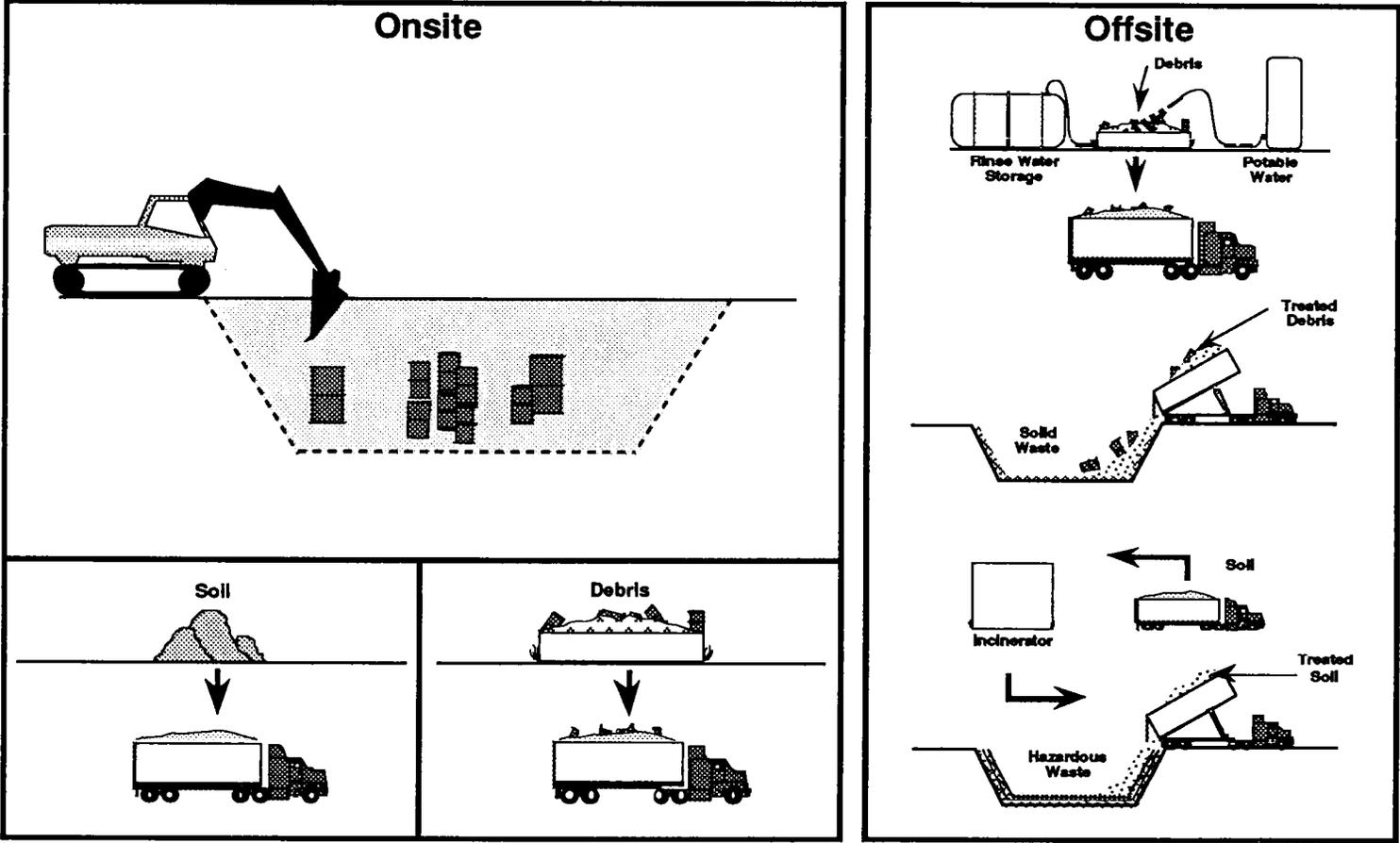
Interim Remedial Action at Site 11 Focused Feasibility *Alternative 4*



Interim Remedial Action at Site 11 Focused Feasibility *Alternative 5*

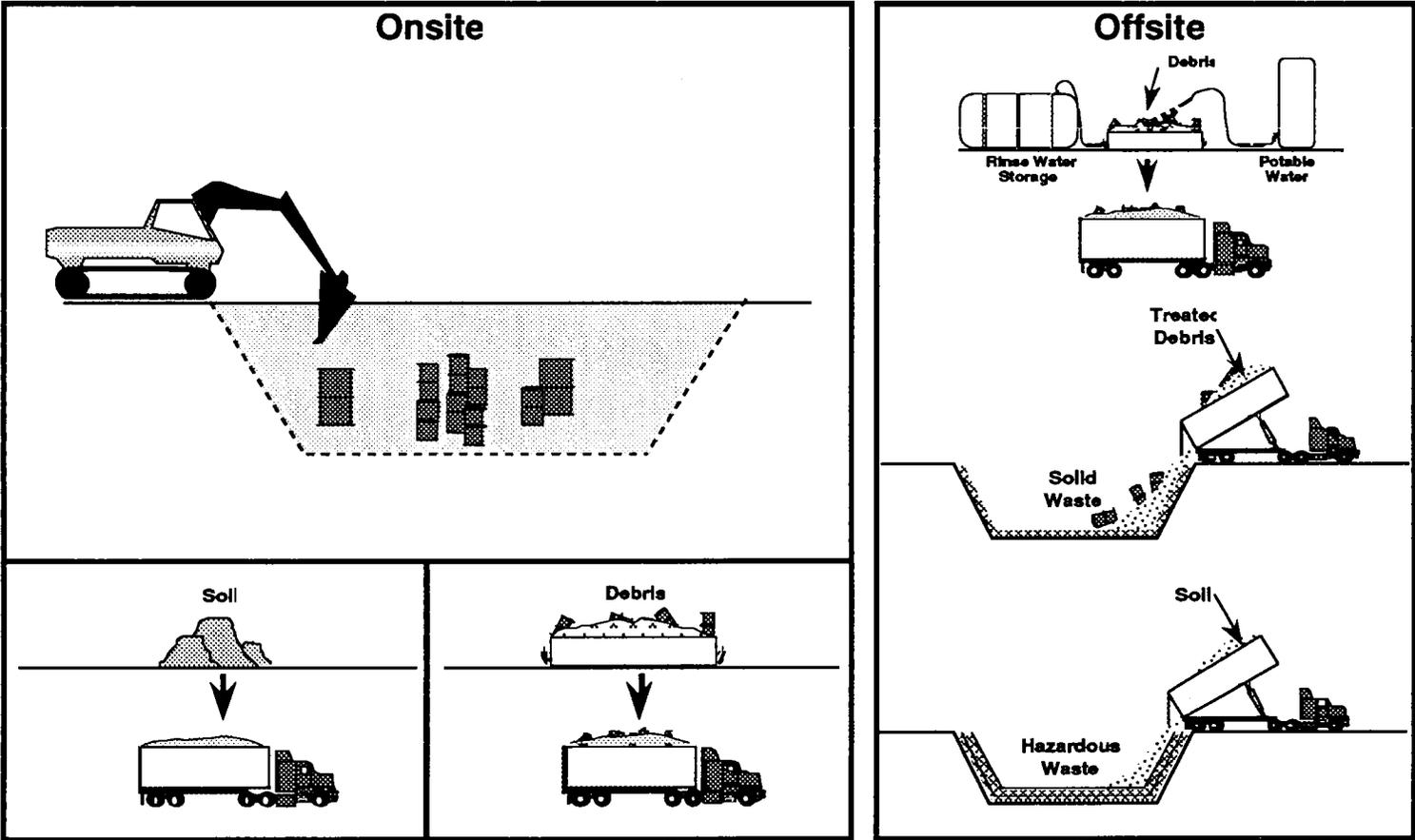


Interim Remedial Action at Site 11 Focused Feasibility Alternative 2

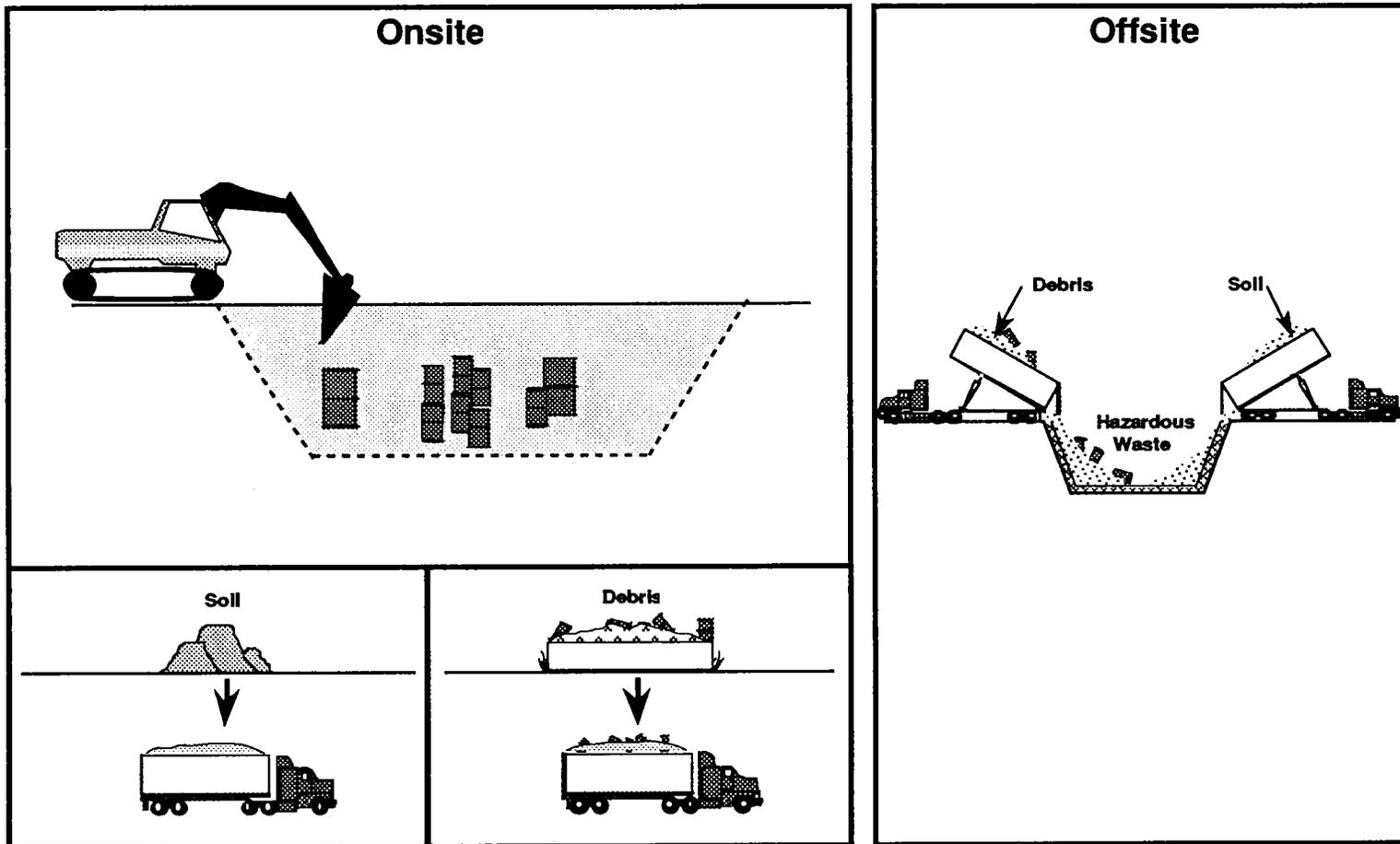


Interim Remedial Action at Site 11 Focused Feasibility

Alternative 4



Interim Remedial Action at Site 11 Focused Feasibility *Alternative 5*



FREQUENTLY USED ACRONYMS

ARARs (Applicable or Relevant and Appropriate Requirements): The Federal and State requirements that a selected alternative must meet. These requirements may vary among sites, chemicals of concern, and remedial alternatives considered.

FDEP (Florida Department of Environmental Protection): The State agency responsible for identifying regulations and concurring with the preferred remedy at a site. The FDEP is one of the three parties (along with the USEPA and Navy) in the Federal Facility Agreement.

FFA (Federal Facility Agreement): A formal agreement among government agencies for joint decision making. FFAs are frequently used at Federal Facility National Priority List (NPL) sites, such as Naval Air Station (NAS) Cecil Field.

FFS (Focused Feasibility Study): A feasibility study of limited scope that usually addresses only one environmental media.

FS (Feasibility Study): An engineering analysis and report that identifies and evaluates the most appropriate technical approaches for addressing contaminant problems at a site undergoing an interim remedial action. The alternatives are evaluated for their effectiveness in protecting human health and the environment.

IAS (Initial Assessment Study): The process of collecting and reviewing information to identify solid waste management units and potential releases of contamination. The IAS determines the need for further investigation.

IROD (Interim Record of Decision): A document that outlines the interim remedial action to be implemented at a site, including the Navy's responses to comments on the proposed plan and the focused feasibility study.

IR (Installation Restoration Program): The Department of Defense (DOD) program to investigate, identify, evaluate, and, if necessary, clean up sites to protect human health and the environment.

LDR Treatment Standard (Land Disposal Restriction Treatment Standard): Concentrations of chemicals in an RCRA hazardous waste that must be treated (i.e., the chemical concentrations must be reduced to the specified standards) before the waste can be placed in a land disposal unit.

µg/kg (Micrograms per Kilogram): Units used to describe the concentration of a chemical in soils. Micrograms per kilogram is the same as parts per billion.

OU (Operable Unit): Grouping of sites based on types of waste disposed and/or the suspected contaminants of concern.

RI (Remedial Investigation): The first part of a two-part Remedial Investigation/Feasibility Study (RI/FS). The RI involves collecting and analyzing information about a site to determine the nature and extent of contamination that may be present. The investigation also determines how conditions at the site may affect human health and the environment.

RCRA (Resource Conservation and Recovery Act): The Federal law that establishes requirements for the storage, treatment, and disposal of hazardous wastes and corrective action on hazardous waste releases to the environment.

RFI (RCRA Facility Investigation): At facilities that operate under an RCRA permit, a focused investigation of areas where evidence of a release was identified in the RCRA Facility Assessment. The RFI determines the nature and the extent of contamination at the site.

USEPA (U.S. Environmental Protection Agency): The Federal agency responsible for identifying regulations and concurring with the preferred remedy at a site. The USEPA has the authority to make the ultimate decision on selection of an alternative if consensus cannot be reached among the Federal Facility Agreement parties.