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Formerly Utilized Sites

Remedial Action Program (FUSRAP)

**PUBLIC MEETING
ON THE
PAINESVILLE SITE
PROPOSED PLAN**

August 19, 2003

Lieutenant 
Commander
Buffalo District


Project Manager



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Meeting Purpose

- Present the Proposed Plan for Remediation of the Painesville Site
- Obtain public input in the decision-making process



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Agenda

- Welcome and Introduction
- Site Background
- Nature and Extent of Contamination
- Remediation Alternatives
- Preferred Alternative
- Comments



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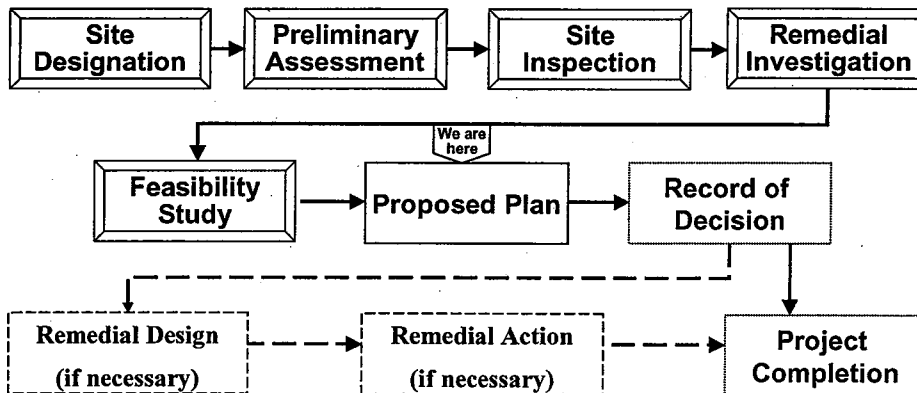
FUSRAP Mission Statement

- Protect human health and the environment
- Execute the program in the most safe, effective and efficient manner
- Comply with the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)



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Comprehensive Environmental Response Compensation and Liability Act (CERCLA) Process for FUSRAP



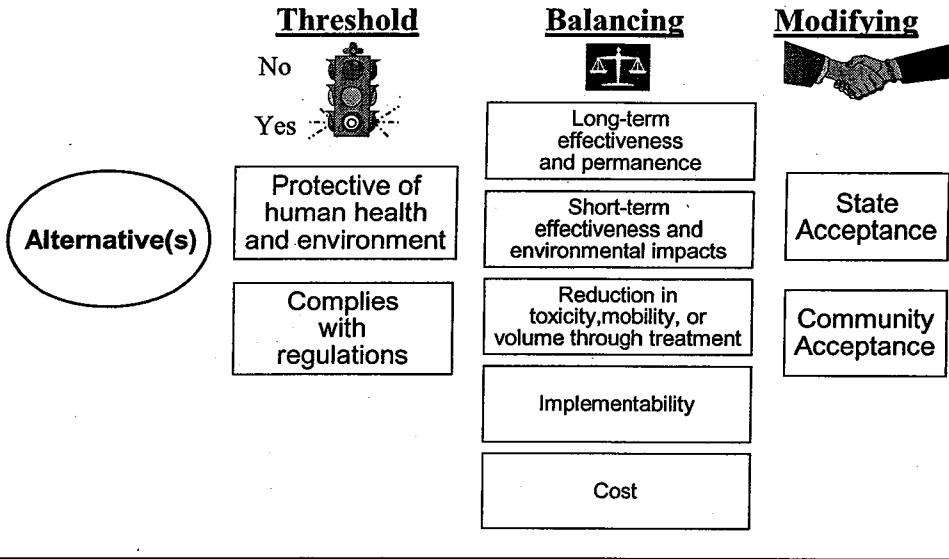
A removal action may be initiated at any time during the process if human health or the environment is in immediate danger.

Complete Currently performing To be completed



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Comprehensive Environmental Response Compensation and Liability Act (CERCLA) Evaluation Criteria



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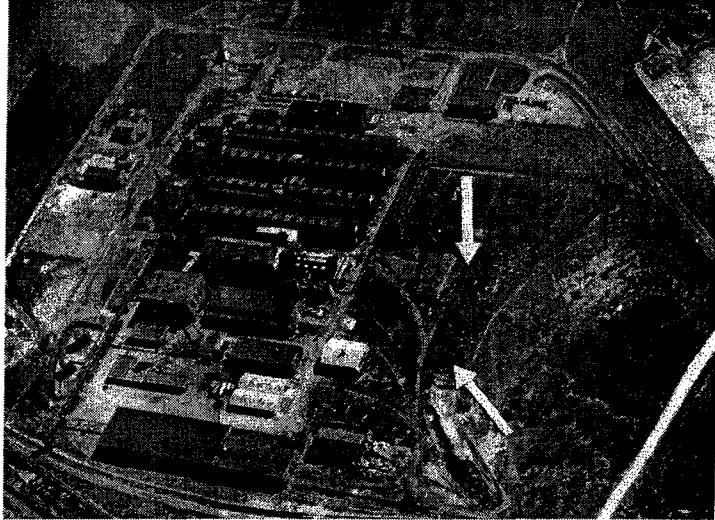
Public Input

- Public input during the comment period is very important
- A final decision on the Proposed Plan won't be made until after public comments have been considered



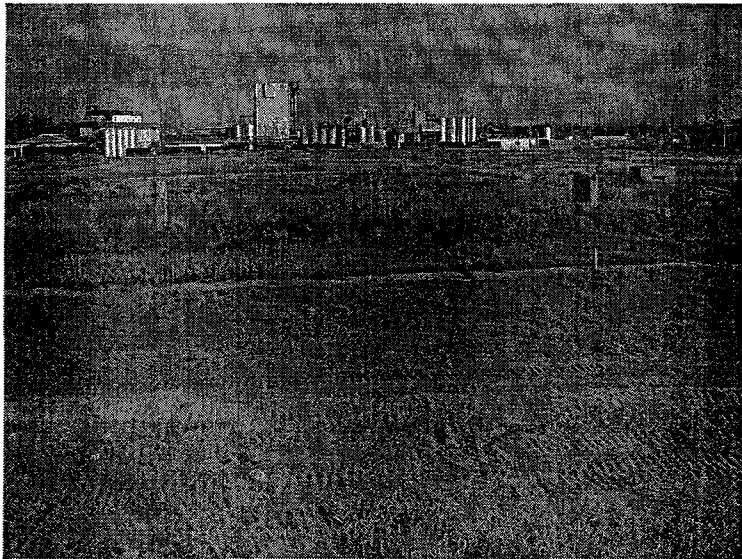
Painesville Site in the 1950s

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Painesville Site Today

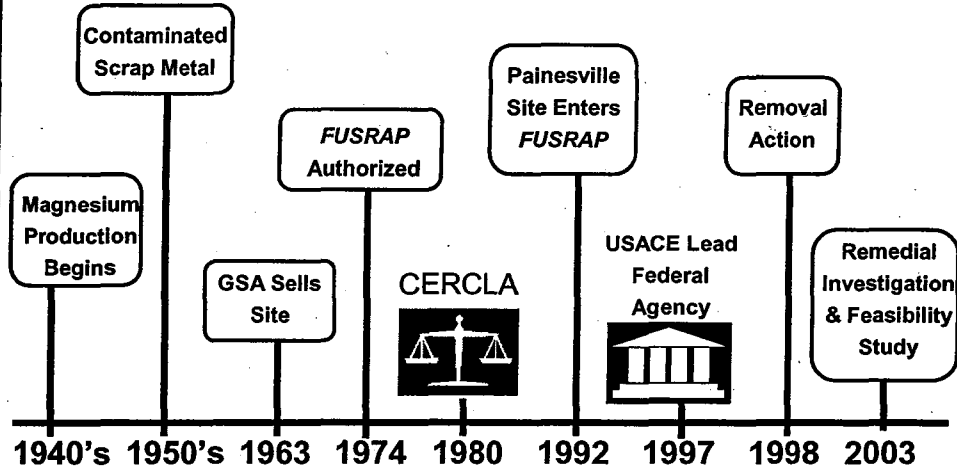
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Painesville Site History



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Nature and Extent of Contamination

- Soils are contaminated with elevated radium, uranium, thorium, and their natural decay products
- Contamination poses a risk above U.S. Environmental Protection Agency guidelines to industrial worker and subsistence farmer site users



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Nature and Extent of Contamination



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Cleanup Regulations

Federal Regulations

- 10 Code of Federal Regulations, Part 20, Subpart E

State Regulations

- Ohio Administrative Code 3701:1-38-22



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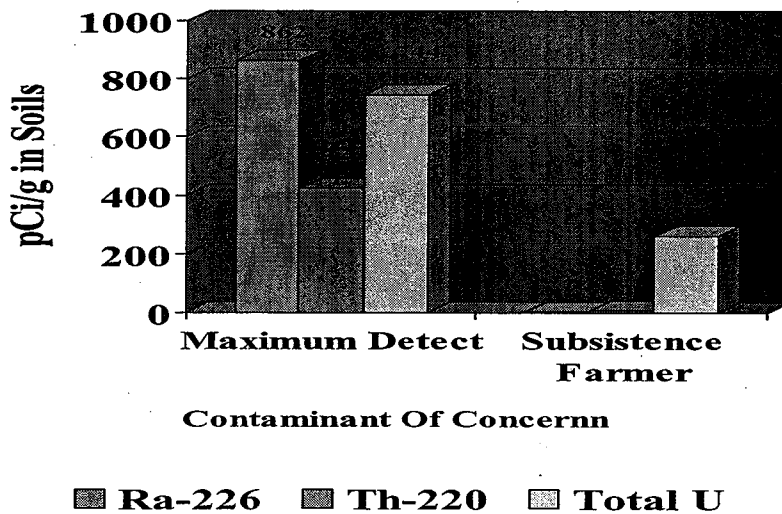
Cleanup Goals

COC	Max Detected (pCi/g)	Industrial Worker Goal (pCi/g)	Subsistence Farmer Goal (pCi/g)
Ac-227	5.08	53	6.8
Ra-226	862	15	2.0
Ra-228	2.29	24	3.9
Th-228	83.27	20	6.1
Th-230	422	43	5.9
Th-232	15.95	11	2.3
Total U	744.22	1500	260



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Cleanup Goals/Comparison





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Screening Alternatives

<u>Alternative</u>	<u>Protective?</u>	<u>Meets Regulations?</u>
1. No Action	No	No
2. Capping	Yes**	Yes
3. Excavation	Yes	Yes
4. Limited Excavation	Yes**	Yes

** Alternative requires land use controls to be protective



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Alternative 2 Capping of Soils

- Soils capped in place with protective cap
- Blocks exposure to contamination
- Requires land use controls to ensure protection
- 1,000 years maintenance
- Cost: \$2,606,000



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Alternative 3

Excavation of Soils

- Soils above subsistence farmer cleanup goals are excavated
- 7,200 cubic yards
- Offsite disposal at licensed/permitted facility
- Cost: \$9,275,000



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Alternative 4

Limited Excavation of Soils

- Soils above industrial cleanup goals are excavated
- 700 cubic yards
- Offsite disposal at licensed/permitted facility
- Requires land use controls to ensure protection
- 1,000 years maintenance
- Cost: \$1,632,000



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Comparative Analysis of Alternatives

Alternative	2. Capping	3. Excavation	4. Limited Excavation
Long Term Effectiveness	Medium	High	Medium
Reduction in Toxicity, Mobility, Volume	Low	Low	Low
Short Term Effectiveness	High	Medium	Medium
Implementability	Medium	High	Medium
Cost	\$2,606,000	\$9,275,000	\$1,632,000



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Preferred Alternative

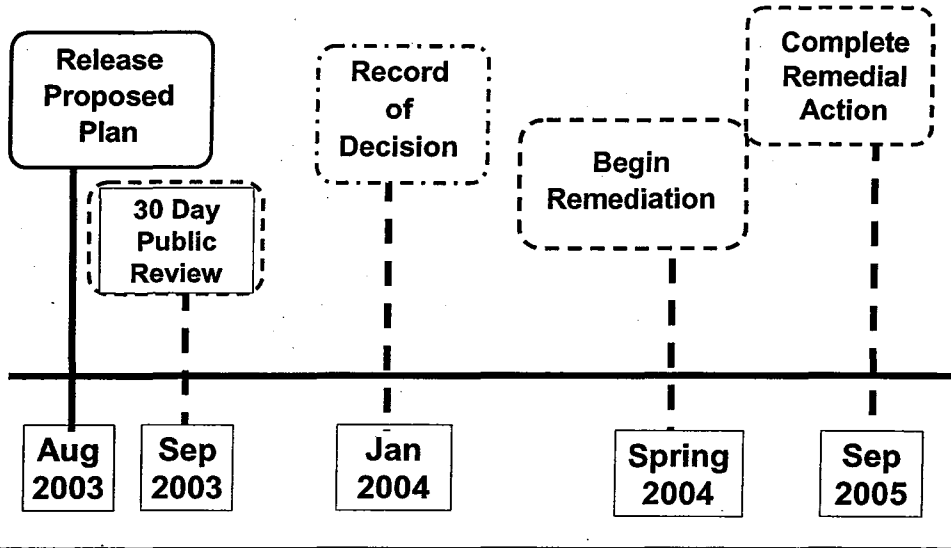
Alternative 3: Excavation and Offsite Disposal

- Most protective of human health and the environment
- Most effective in the long term
- No restrictions on future site use from FUSRAP radiological material



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Project Schedule



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Comments



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Comments

We will respond to your comments.

They will become part of the official record and placed in the official Administrative Record that is located at:

Morley Public Library
184 Phelps Street
Painesville, OH

Fairport Public Library
335 Vine Street
Fairport Harbor, OH

US Army Corps of Engineers
1776 Niagara Street
Buffalo, NY



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Comments Ground Rules

- One person speaks at a time
- State your name and affiliation
- Speakers are limited to five minutes to allow everyone an opportunity to speak
- Please use the microphone when speaking
- Court reporter will be recording proceedings



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Comments

Written comments should be postmarked by
September 1, 2003 and mailed to:

U.S. Army Corps of Engineers
FUSRAP Information Center - Painesville
1776 Niagara Street
Buffalo, NY 14207

email us at: fusrap@usace.army.mil



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Thank You
for
your participation