



February 20, 2014

Chair
Ben Peterson

Vice-Chair
Ralph Young

Board Members

Glenda Adkisson
Renie Barger
Judy Clayton
Robert Coleman
Eddie Edmonds
David M. Franklin
Tom Grassham
Kyle Henderson
Jonathan Hines
Mike Kemp
Kevin L. Murphy
Dianne O'Brien
Richard Rushing
Jim Tidwell
Ken Wheeler

Rachel Blumenfeld
DOE DDFO

Buz Smith
DOE Federal Coordinator

Board Liaisons

Todd Mullins
*Division of Waste
Management*

Jennifer Tufts
*Environmental Protection
Agency*

Mike Hardin
Fish and Wildlife Resources

Stephanie Brock
Radiation Health Branch

Support Services

EHI Consultants, Inc.
111 Memorial Drive
Paducah, KY 42001
Phone 270.554.3004
Fax 270.554.3248
www.pgdpcab.org
info@pgdpcab.org

Agenda for the February Subcommittee Meeting

5:30

Call to order, introductions
Review of agenda

Presentations

Administrative Issues

-- 40 minutes

- DRAFT Rec 14-XX : Safety Concerns Relating to Timing of the IDIQ Notice to Proceed
- EM SSAB Chairs Meeting – Top Issue
- McConnell, Paul, and Whitfield Letter and Press Release

Next Steps



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Next Steps



Paducah Waste Disposal Alternatives Project

May 15, 2014

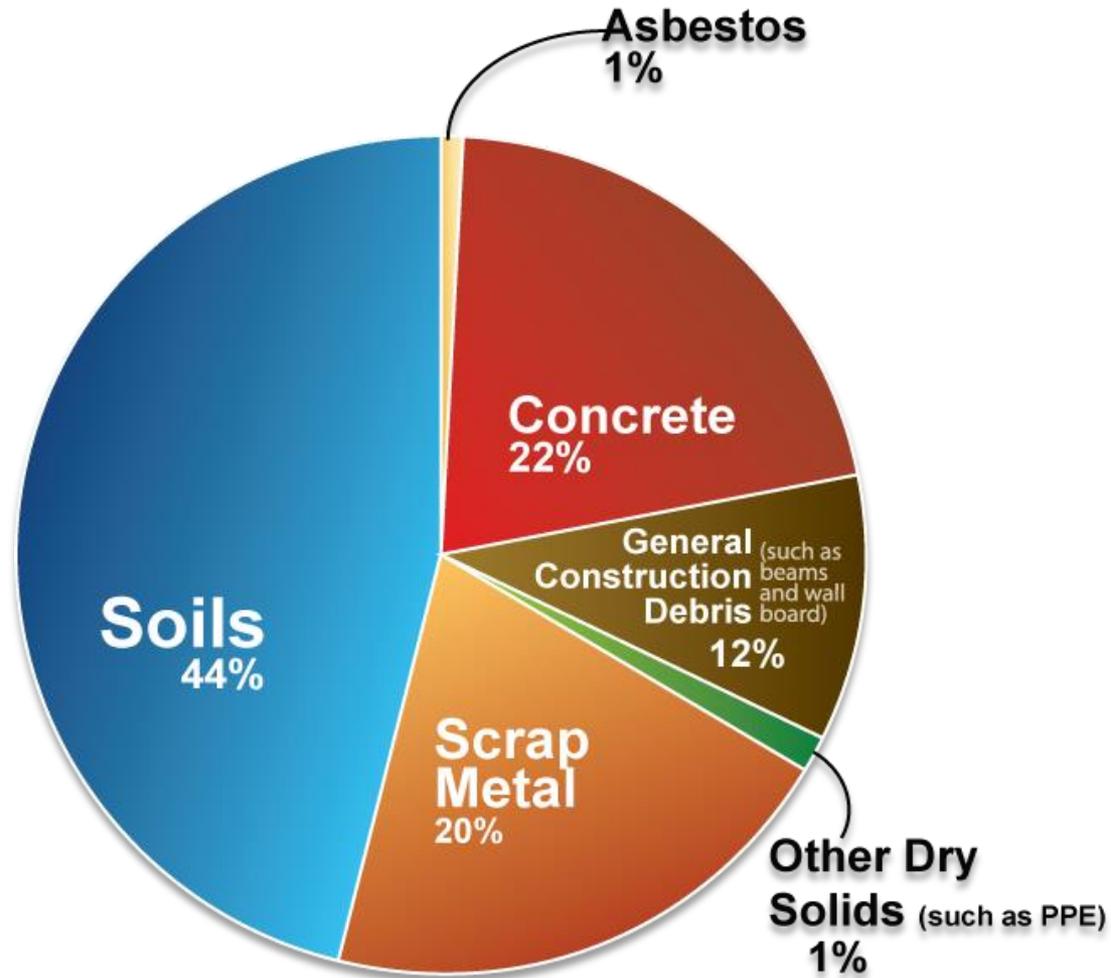
CITIZENS
ADVISORY BOARD

Waste Created at PGDP

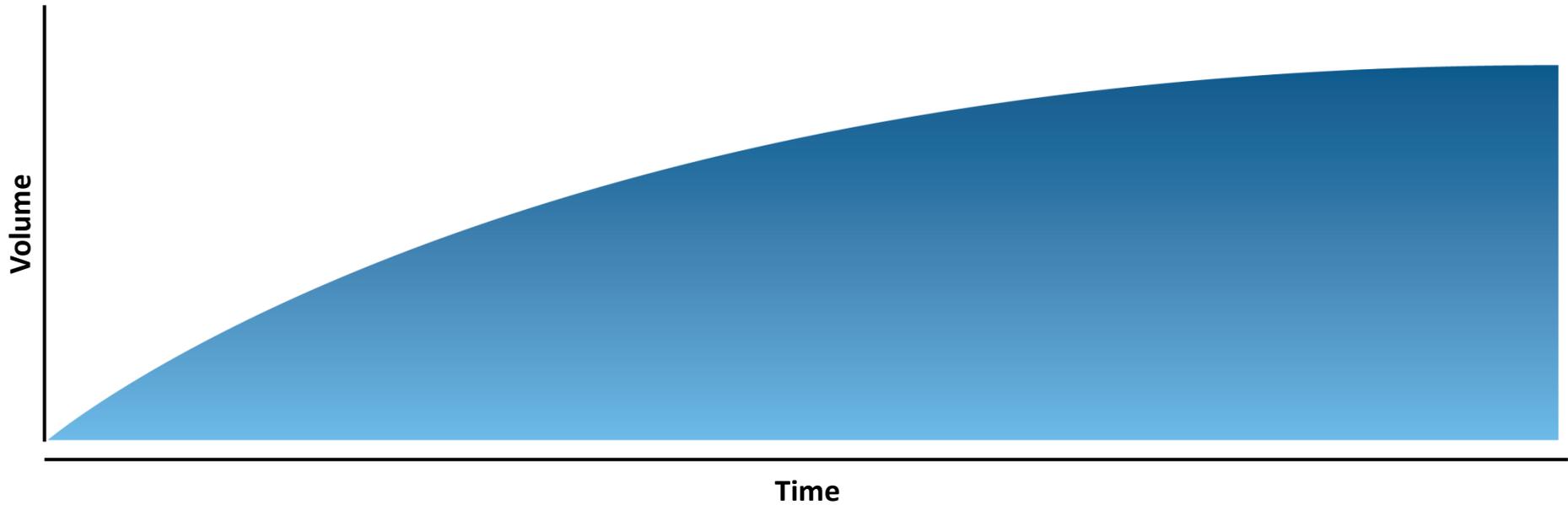
Approximately 3.6 million cubic yards of waste is expected to be generated from the demolition of over 500 buildings and facilities and continued environmental remediation of the Paducah site



Progress of the demolition of C-340 Metals Plant

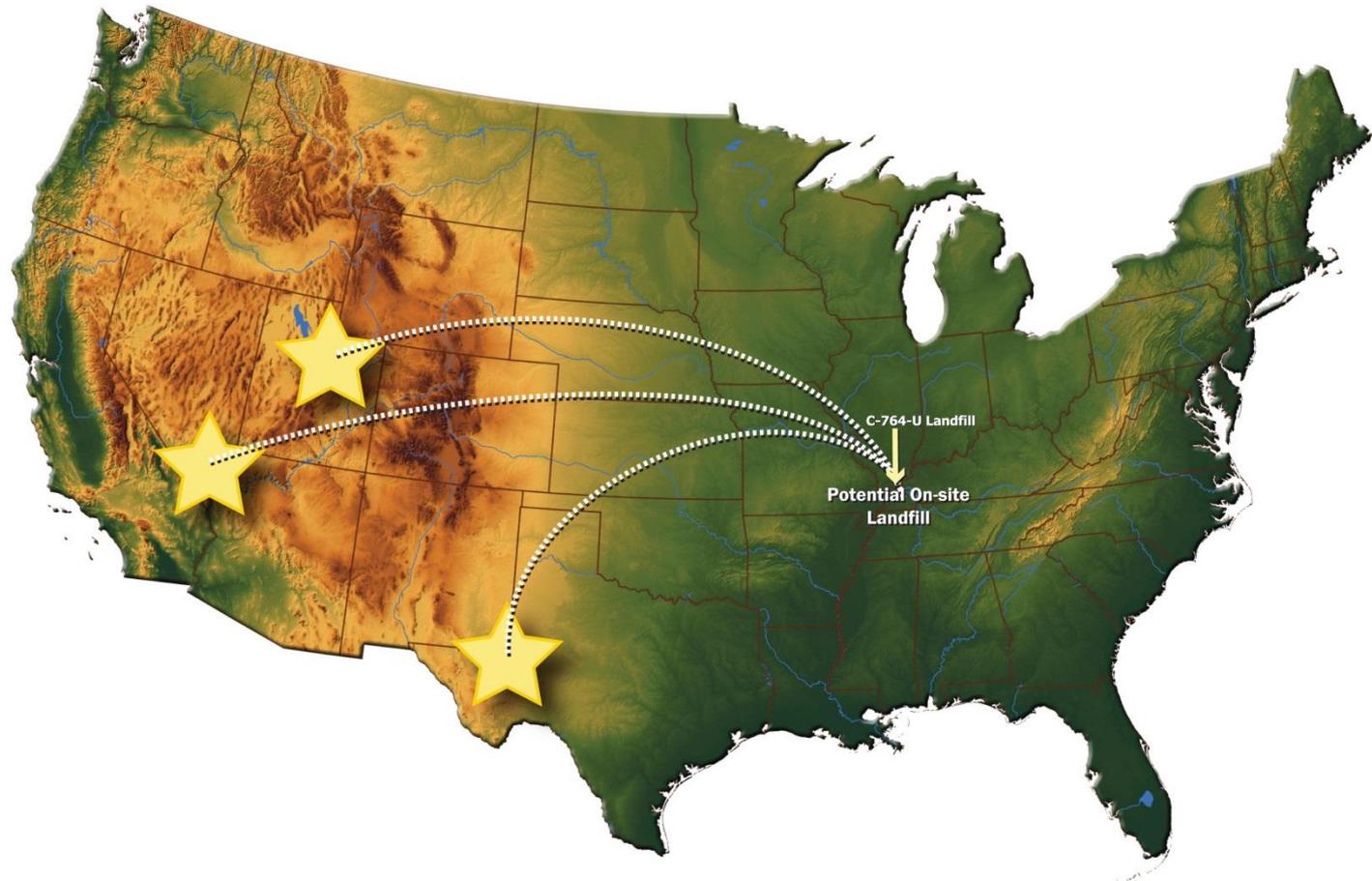


Waste Volume Over Time



Off-site alternative

Make a sitewide programmatic decision to ship waste that does not meet the on-site landfill (C-746-U) disposal criteria to licensed off-site disposal facilities



Paducah wastes currently are disposed of at the on-site C-746-U Landfill and the Utah and Nevada disposal sites.

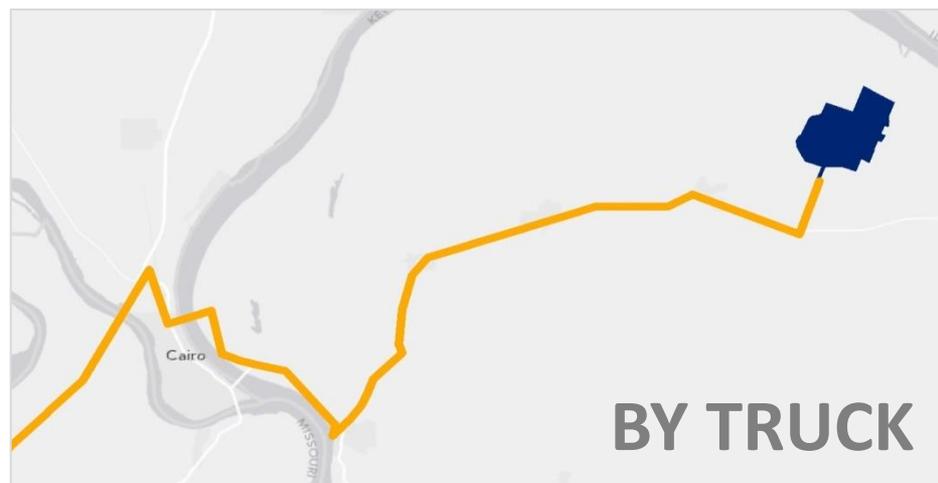
Will off-site facilities accept other waste in the future?

- In three recent notable cases, states sought to control what types of wastes can be brought within their borders for disposal

Is it fair for wastes to be disposed of in locations far from where they are generated?

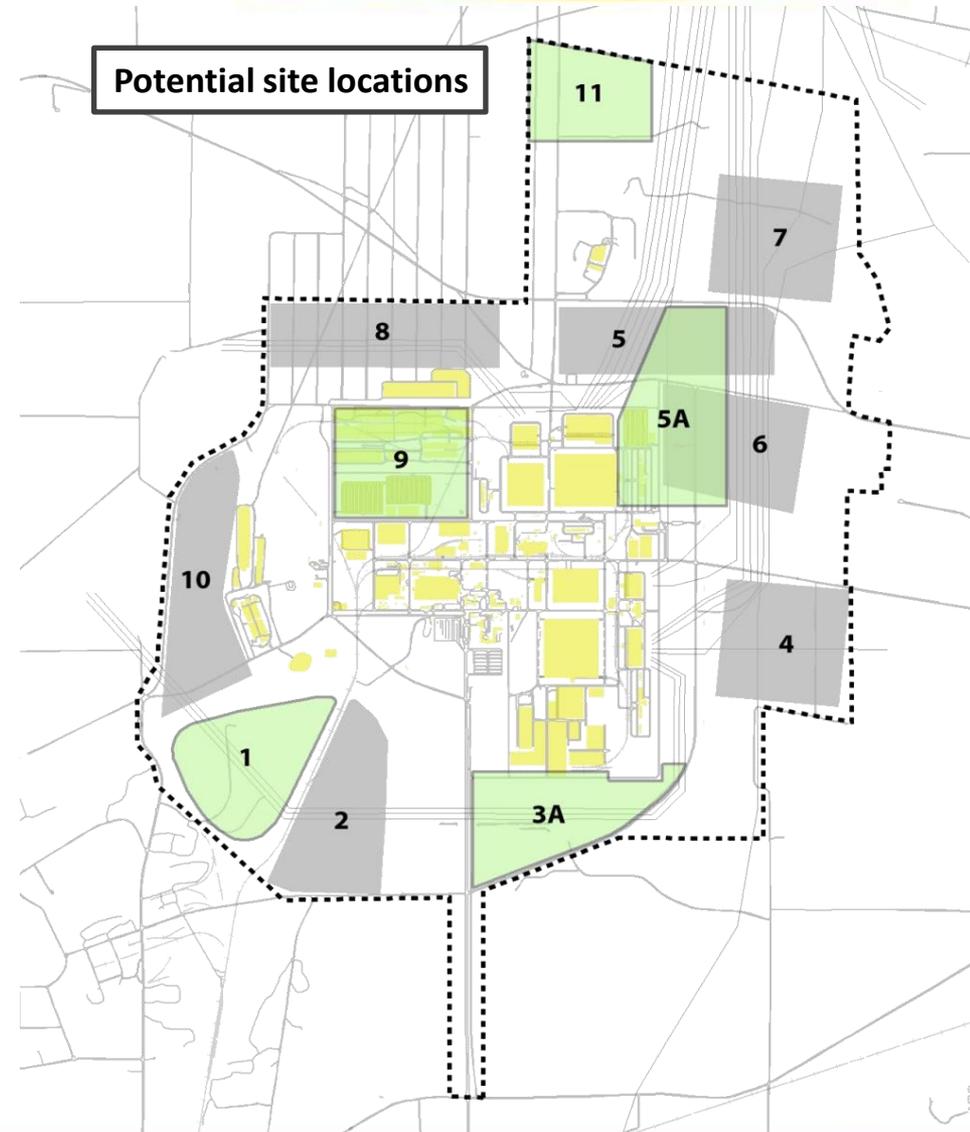
- Issues involved—examples
 - Economic conditions around generating/disposal site
 - Fairness of transporting waste through communities
 - Fairness of turning to less populated states to solve nation's waste disposal needs
- Oak Ridge, TN, residents recommended DOE build an on-site facility for waste disposal
 - Partial justification: unfair to other states that Oak Ridge reaps the economic benefits of waste generation while leaving others to dispose of waste

Risks associated with transporting waste offsite through other communities.



On-site alternative

- Design, build, and operate on-site waste disposal facility (OSWDF) that accepts CERCLA waste
- May continue to dispose of waste that meets the facility disposal criteria in the existing C-746-U Landfill
- Ship waste not meeting OSWDF or C-746-U final waste criteria to licensed off-site disposal facilities



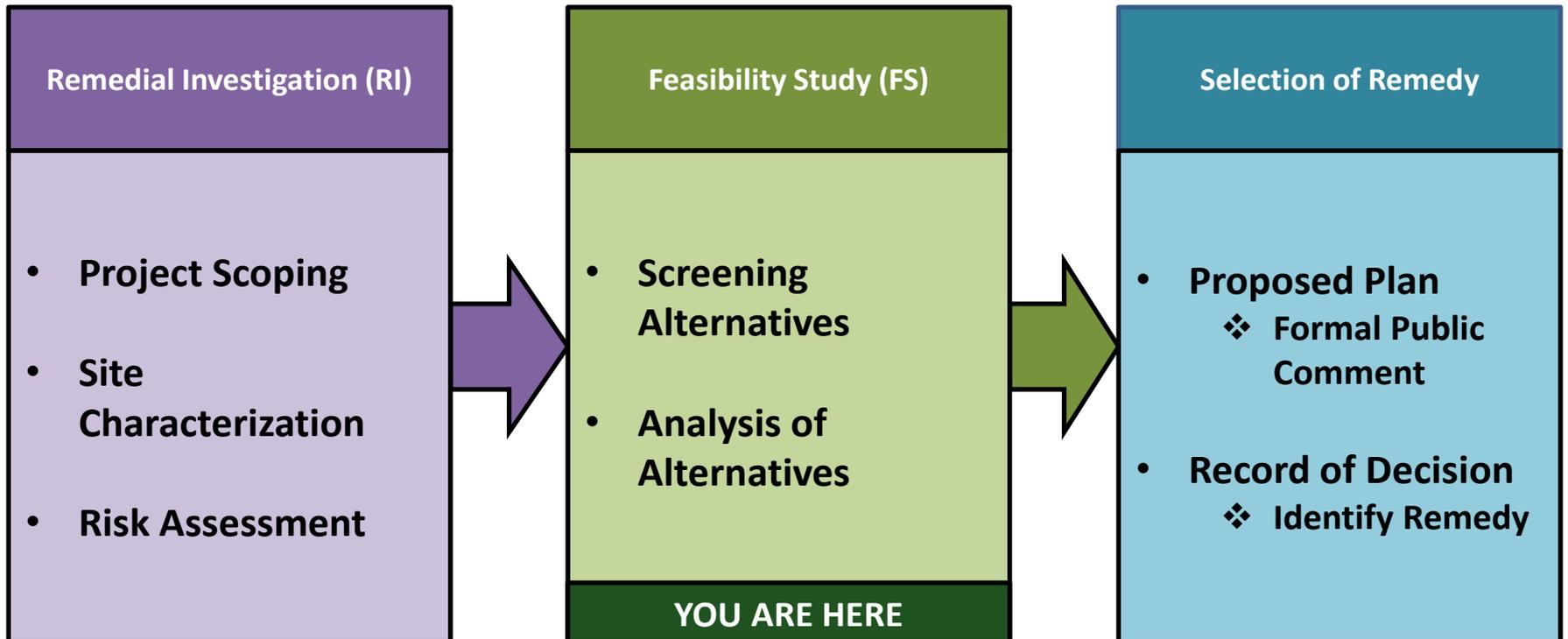


Cleanup of the Fernald site was completed in 2006. The site is now the Fernald Preserve, a wildlife refuge.

Construction and operation of an on-site waste disposal facility has been done at a number of DOE sites, including these:

- Hanford, WA, which remains an active DOE facility
- Oak Ridge, TN, which remains an active DOE facility
- Fernald, OH, near Cincinnati, which is now part of a wildlife refuge
- Weldon Spring, MO, near St. Louis, now part of a recreation area

Continuous Regulatory Oversight



Continuous Public Participation

Threshold Criteria

- (1) Overall protection of human health and the environment
- (2) Comply with federal and state regulations or obtain a waiver(s)

Balancing Criteria

- (3) Long-term effectiveness and permanence
- (4) Reduction of contaminant toxicity, mobility, or volume through treatment
- (5) Short-term effectiveness
- (6) Implementability
- (7) Cost

Modifying Criteria

- (8) State acceptance
- (9) Community acceptance

No Change

- Project by Project decisions
- On-site disposal of waste meeting the existing waste acceptance criteria (C-746-U)
- Off-site disposal of waste not meeting the C-746-U waste acceptance criteria

\$1.3 Billion

(Net Present Value)

On-Site

- Single Programmatic decision
- On-site disposal of waste meeting the C-746-U waste acceptance criteria
- Construct a new on-site disposal facility (OSWDF) with expanded waste acceptance criteria
- Off-site disposal of waste not meeting the C-746-U or OSWDF waste acceptance criteria

\$800 Million

(Net Present Value)

Off-Site

- Single Programmatic decision
- On-site disposal of waste meeting the C-746-U waste acceptance criteria
- Off-site disposal of waste not meeting the C-746-U waste acceptance criteria

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- **Impacts to Future Site Use**
- **Economic Impact**
- **Transportation Risks**
- **Increased Communications**
 - Oak Ridge Tour
 - Off-site specific discussions
 - ❖ Transportation
 - On-site specific discussions
 - ❖ Design
 - ❖ Location alternatives





Paducah Waste Disposal Alternatives Project

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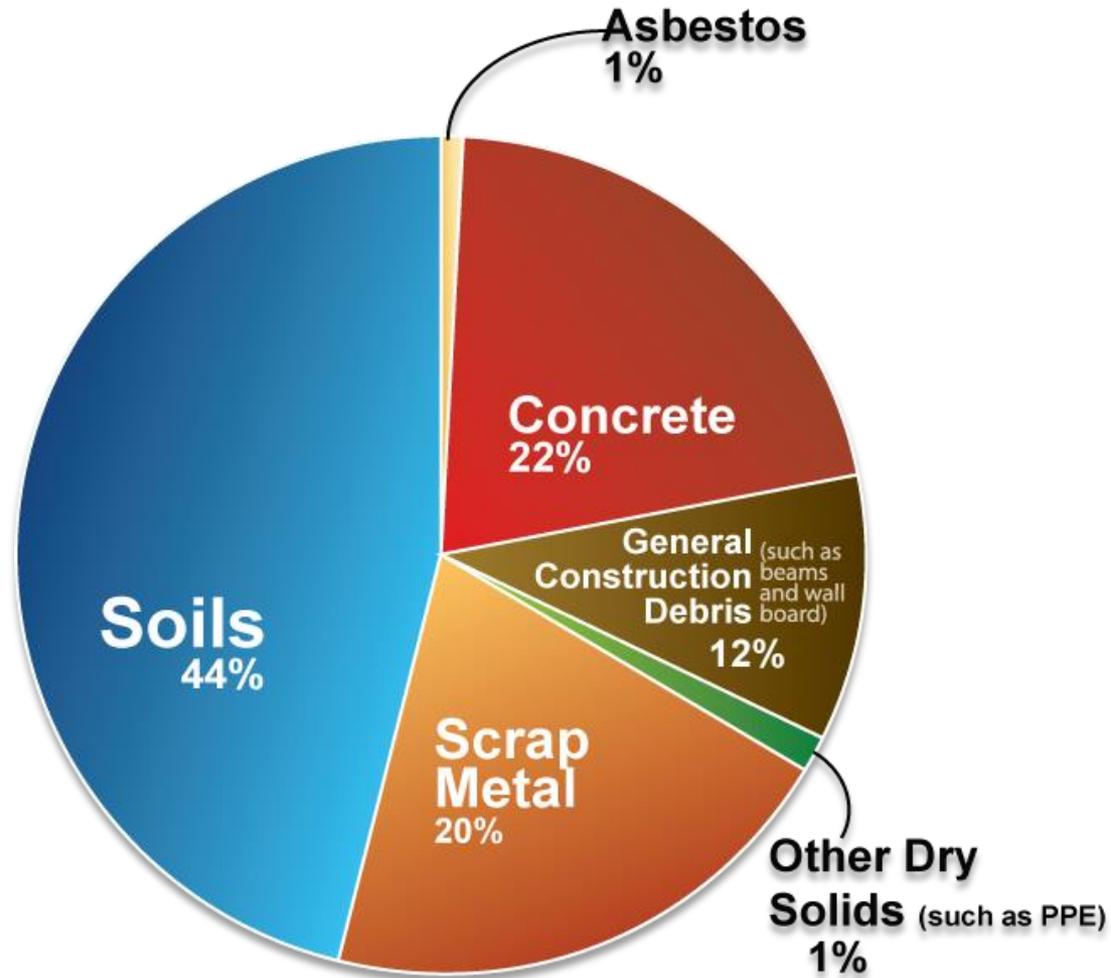
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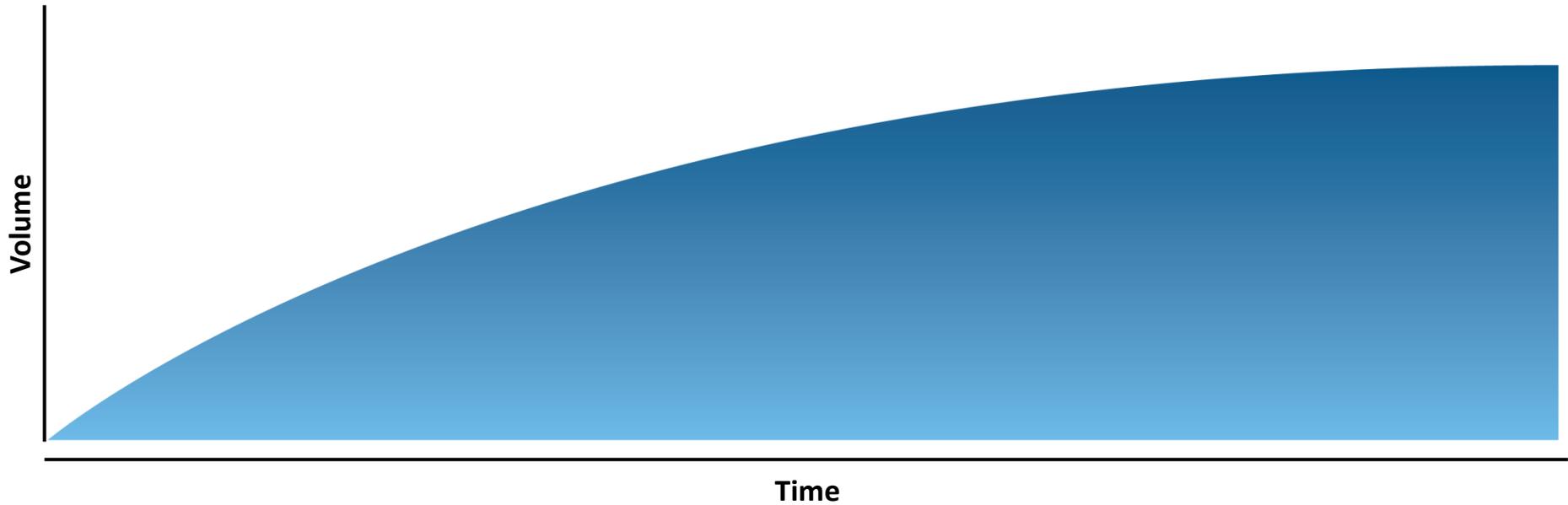
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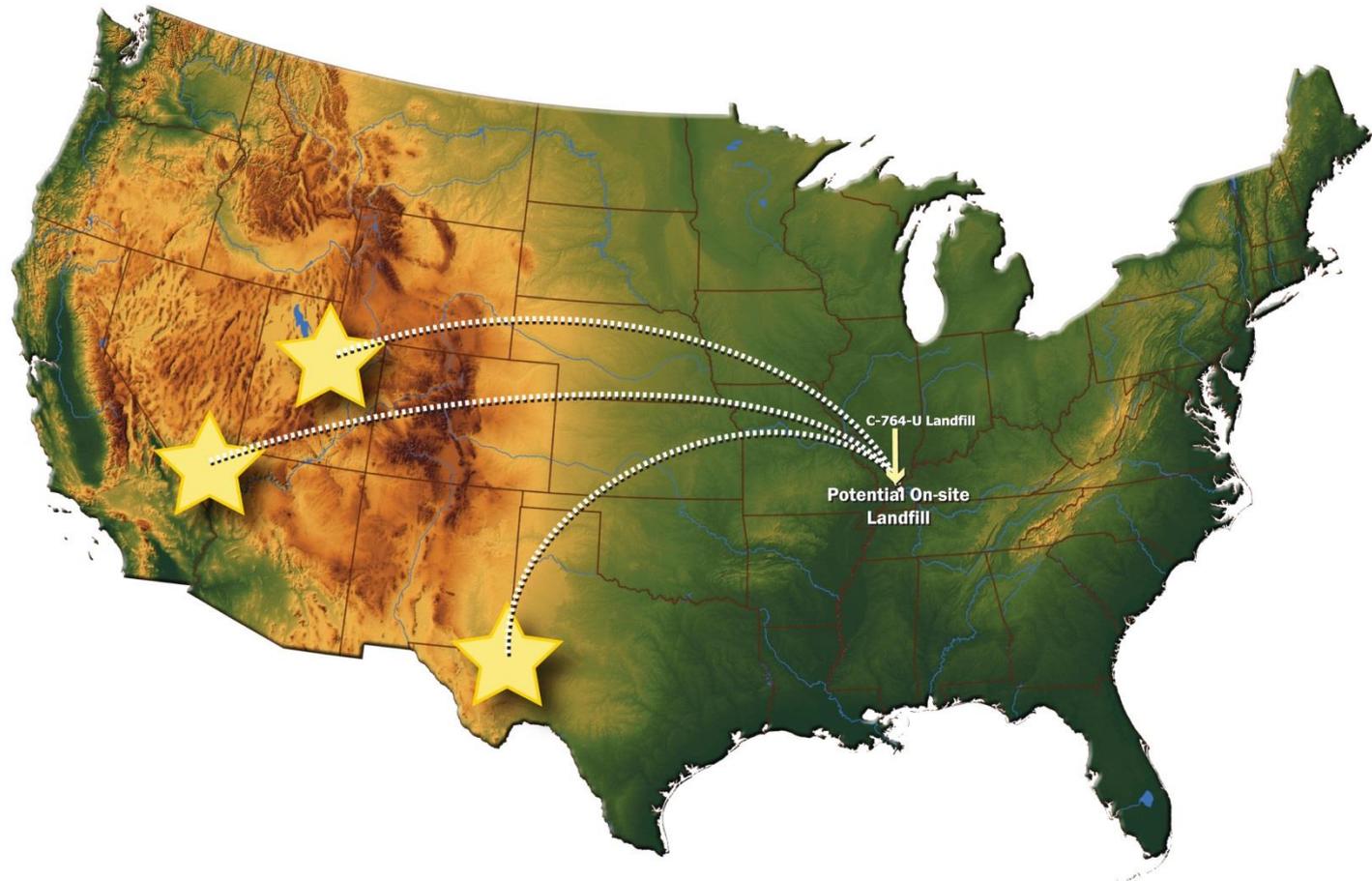


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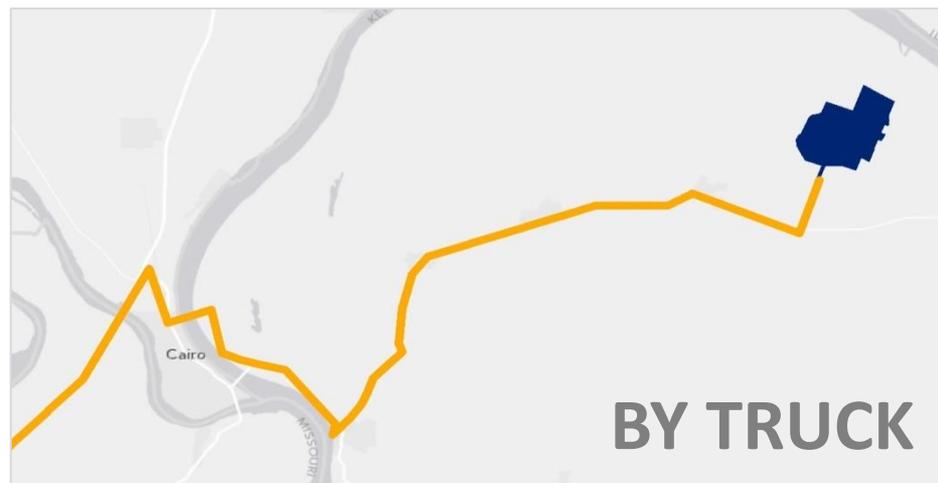
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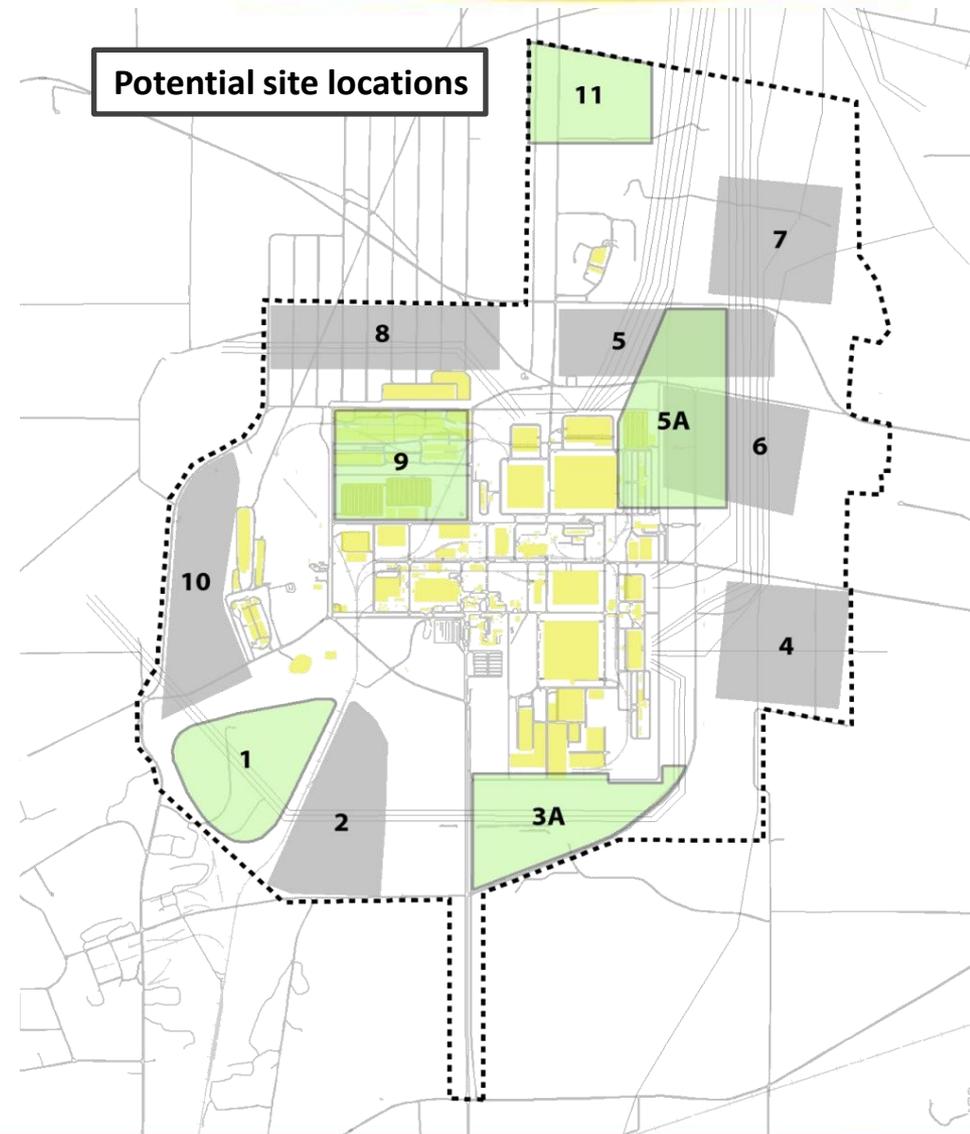
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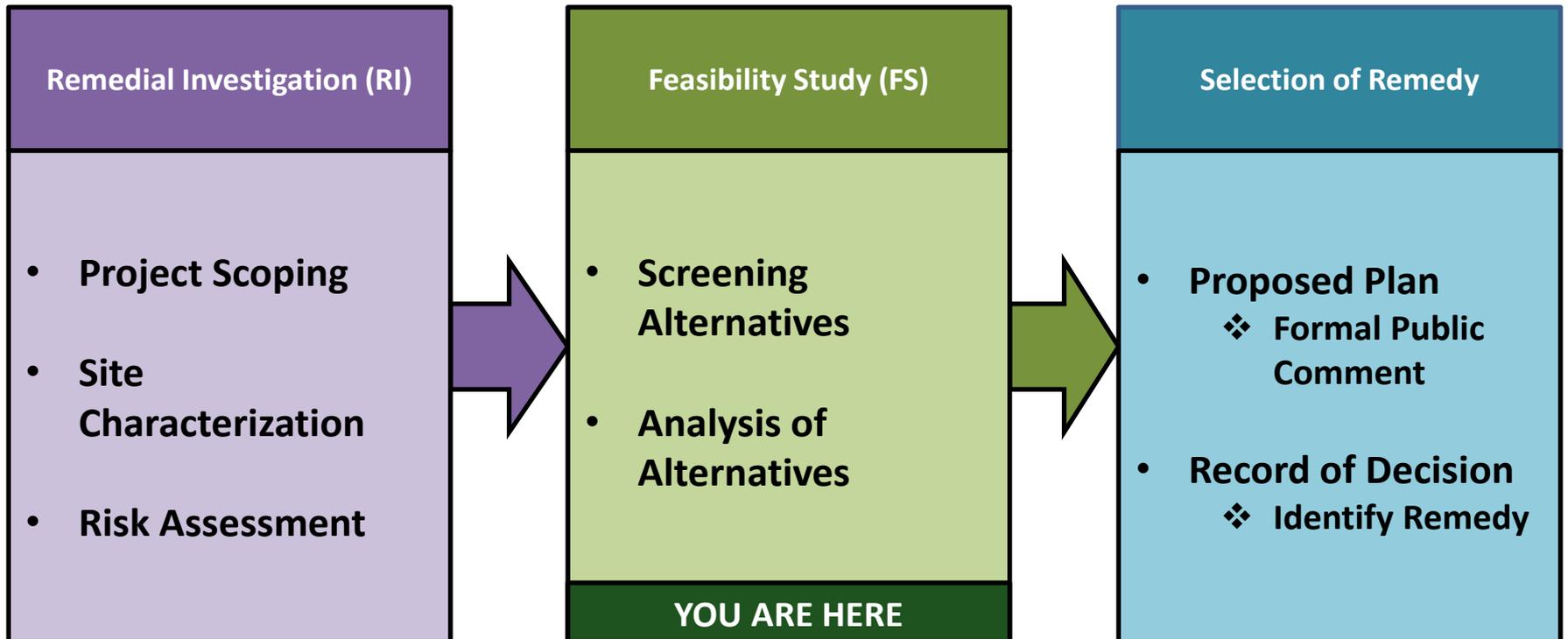


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(Net Present Value)

On-Site

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- On-site disposal of waste meeting the C-746-U waste acceptance criteria
- Construct a new on-site disposal facility (OSWDF) with expanded waste acceptance criteria
- Off-site disposal of waste not meeting the C-746-U or OSWDF waste acceptance criteria

\$800 Million

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Off-Site

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