



*Status of the
End State Vision Process
for the
Paducah Gaseous
Diffusion Plant*

*Stakeholder Update
January 19, 2006*



What is an End State?

- The condition of the property after the cleanup ...
- That would be protective of human health and the environment ...
- Taking into account reasonably foreseeable future use of the property (i.e., industrial, recreational, residential) ...
- And potential contaminants and hazards



Why Define an End State?

- Ensure today's cleanup actions are protective for tomorrow's foreseeable future uses of the site
- Start with the end in mind - know your destination



Document Description

- A planning tool, updated annually, to assure today's environmental cleanup efforts are protective for tomorrow's reasonably foreseeable future use.
- The document is not a decision document.
- Identifies the potential contaminants and hazards as they currently exist.
- Identifies variances between currently planned end state and potential alternative end state.



Major Variances

Current Planned End State Actions	End State Alternative Actions
Continuation of Water Policy (short-term agreements with existing property owners).	Enhanced Institutional Controls (e.g., legal deed restrictions, property purchases).
Reduce TCE concentration at primary and secondary sources (e.g., C-400, C-720, SWMU 1) using treatment.	Reduce TCE concentration at primary source of off-site contamination (i.e., C-400) using treatment.
Excavate some burial grounds and cap remaining. Continue monitoring and access controls.	Cap all burial grounds. Continue monitoring and access controls.
Soil Cleanup Levels - clean industrial areas to residential levels.	Soil Cleanup Levels - clean industrial areas to industrial levels.
Sediment Cleanup Levels - clean industrial areas to residential levels.	Sediment Cleanup Levels - clean industrial areas to industrial levels.
Characterization and on- and off-site disposal of legacy waste.	Same
D&D of facilities and infrastructure followed by on- and off-site disposal of debris.	Same



Document History - Summary

- First draft issued January 31, 2004.
- Public Meeting to introduce End State Project held February 5, 2004.
- Public Workshops held February 26 and March 11, 2004.
- Second draft issued April 30, 2004.
 - Placed on EIC public web site on April 30, 2004.
 - Placed in EIC and McCracken County Public Library on April 30, 2004.
- DOE-PPPO letter sent to various organizations on June 1, 2004.
- Public Workshop offered June 3, 2004.
- DOE Workshop held October 6 and 7, 2004.
- 2005 End State Vision Annual Update for PGDP issued August 28, 2005.
 - Placed on EIC public web site on August 28, 2005 at this address: www.bechteljacobs.com/pad_reports.html
 - Placed in EIC and McCracken County Public Library on August 28, 2005.
- Public Meeting held on October 18, 2005

Full history of Public Participation,
including lists of comments received, is presented in
the Appendix to the 2005 End State Vision Annual Update.



Summary of FY 2005 Annual Update

- Did not make substantive changes to the end state alternatives, variances, or risk balancing.
- Added discussion of dynamic nature of document and indicated it will be updated annually to reflect cleanup decisions from the ongoing CERCLA process and to incorporate public comments on the end state process.
- Updated Appendix to include notes from the DOE October 2004 Workshop and slides from presentations made since the release of the second draft of the End State Vision Document.
- Revised document title and related references to Risk-based End State to be consistent with notes from DOE October 2004 Workshop:
 - Changed title from "Risk-based End State" to "End State Vision" and the acronym "RBES" to "end state alternative."



FY 2006 Annual Update Process

- Incorporate recent cleanup activities, such as:
 - ROD for C-400 Cleaning Building TCE Source Remediation signed, selecting Electrical Resistance Heating technology.
 - Field work initiated for the Site Investigation for On-Site Ditches and NSDD (outside the security fence).
 - Completed the Site Investigation of the Southwest Plume and issued report to EPA and Kentucky for review and approval.
- Incorporate any public comments received on FY 2005 document.
- Continue to notify public and solicit stakeholder comments on future updates to End State Vision Document.