

PEO ACWA

A PARTNERSHIP FOR SAFE CHEMICAL WEAPONS DESTRUCTION



Program Executive Office
Assembled Chemical Weapons Alternatives

National Environmental Policy Act 5-Year Review 4 June 2015

Presented to:

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Weapons Demilitarisation Conference

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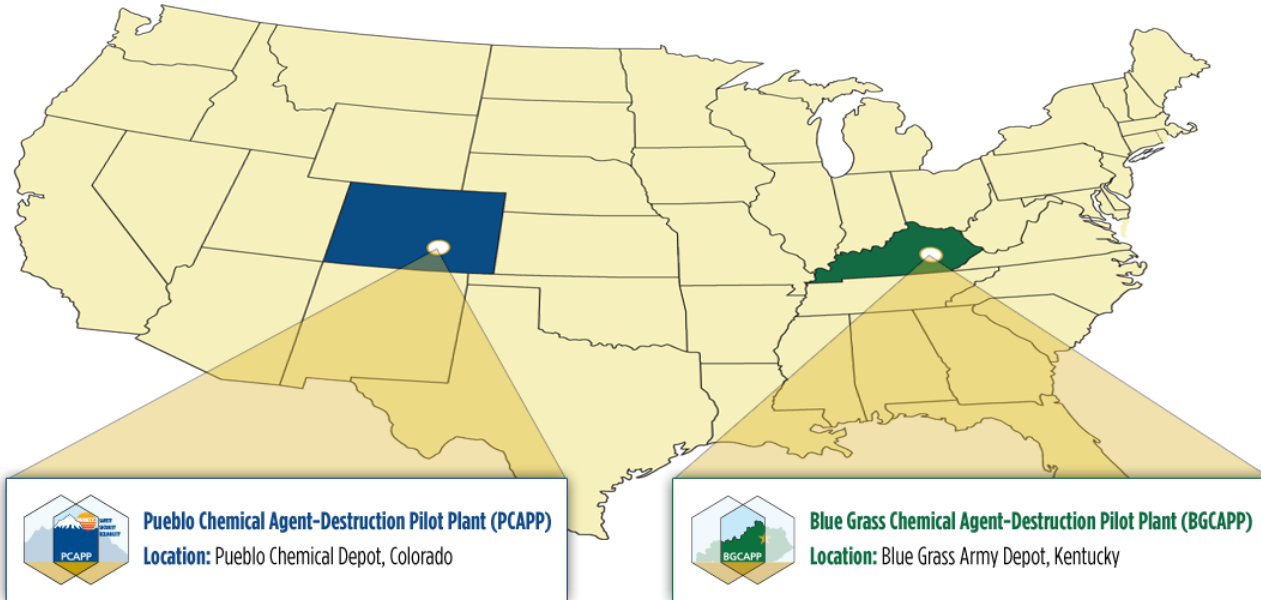
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Agenda



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- National Environmental Policy Act (NEPA) Process
- 5-Year Review
- Major NEPA Actions
- Review Process and Assessments





National Environmental Policy Act (NEPA) 5-Year Review Overview



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- United States Federal Agencies are required to:
 - Determine if their proposed actions have significant environmental effects
 - Consider the environmental and related social and economic effects

- NEPA requires disclosure documents that provide information to the public on major Federal actions:
 - Environmental Impact Statements
 - Environmental Assessments
 - Record of Environmental Consideration

- NEPA documentation works in parallel with other environmental laws and decision making activities, but does not take their place

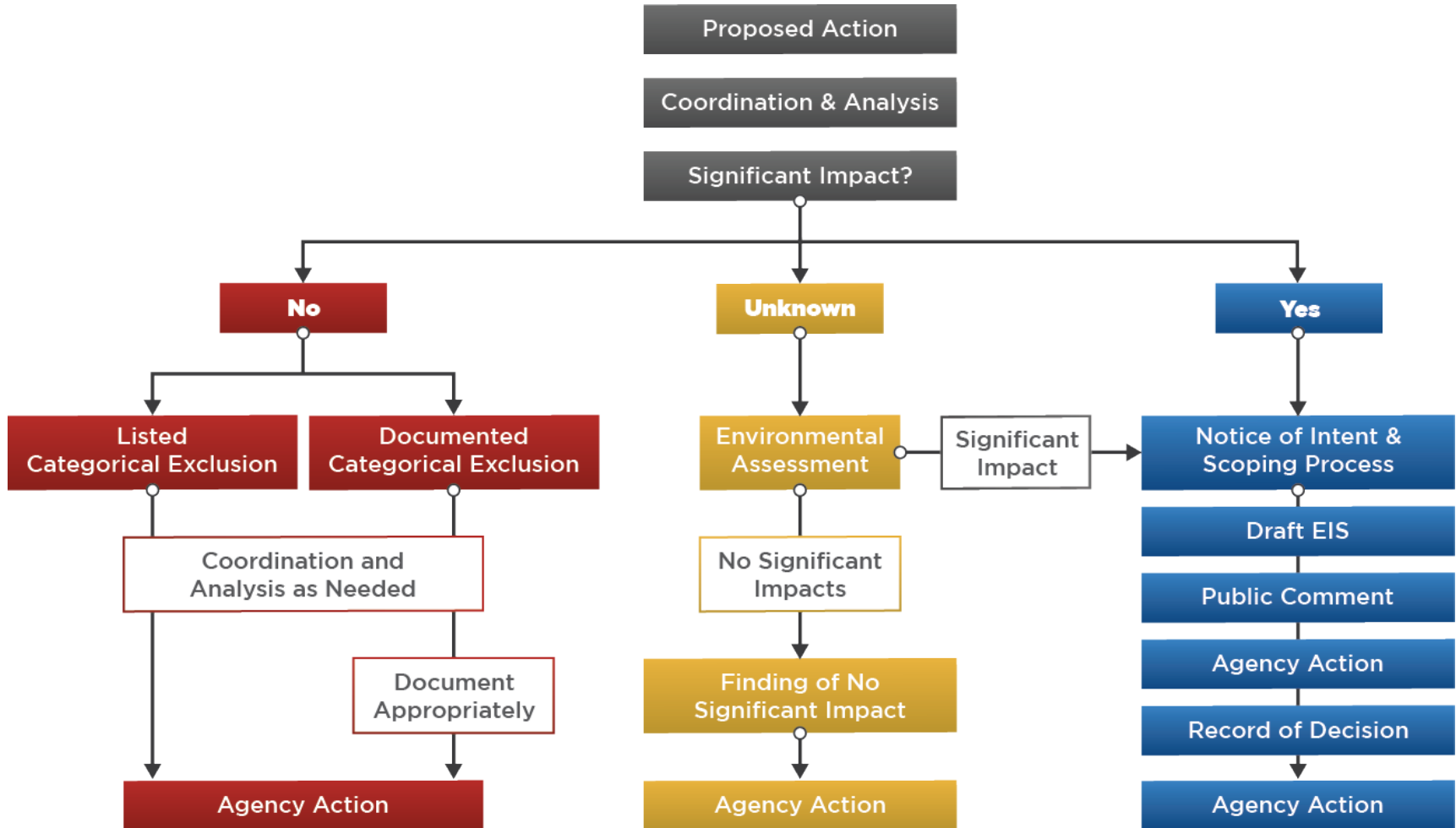


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National Environmental Policy Act Process



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- Programmatic Environmental Impact Statement in 2002:
 - Design, Construction and Operation of Explosive Destruction Technologies at Pueblo Chemical Agent-Destruction Pilot Plant and Blue Grass Chemical Agent-Destruction Pilot Plant

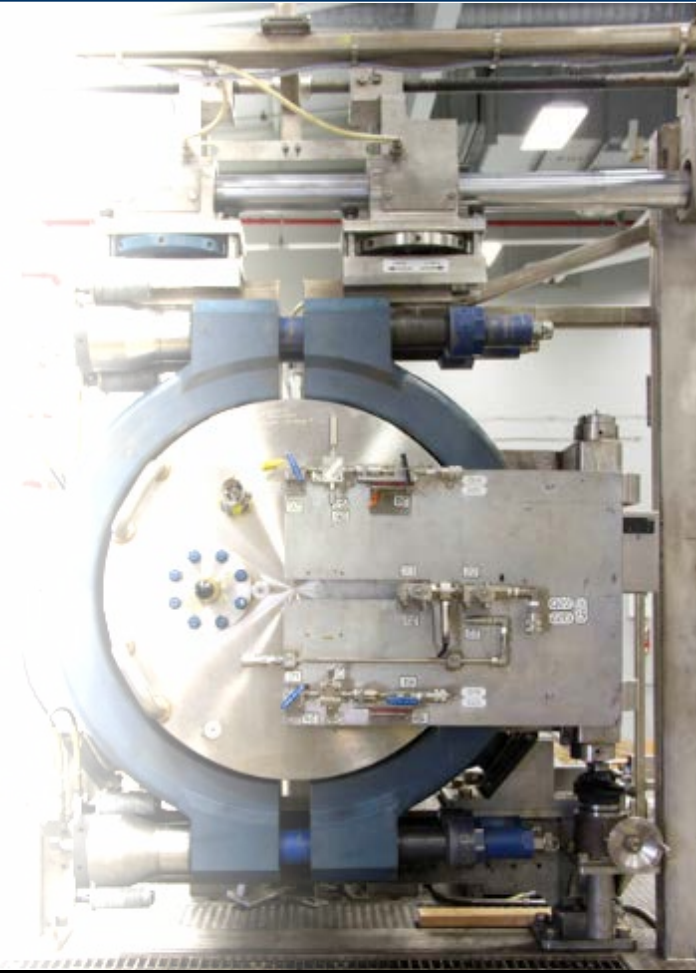


Construction of Pueblo Chemical Agent-Destruction Pilot Plant Explosive Destruction System Facility

Major National Environmental Policy Act Actions at Pueblo Chemical Agent- Destruction Pilot Plant

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- Environmental Assessment for the proposed installation and operation of an explosive destruction technology facility at Pueblo Chemical Agent-Destruction Pilot Plant issued in April 2012 which evaluated four technologies:
 - Static Detonation Chamber Unit
 - Transportable Detonation Chamber
 - Detonation of Ammunition in Vacuum Integrated Chamber
 - Explosive Destruction System
- Environmental Assessment resulted in the issuance of a Finding of No Significant Impact for any of the evaluated technologies



EDS was selected as the preferred technology

Major National Environmental Policy Act Actions at Blue Grass Chemical Agent- Destruction Pilot Plant (BGCAPP)

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- Environmental Assessment (EA) for the proposed installation and operation of an explosive destruction technology facility at BGCAPP was issued in June 2013 and PEO ACWA evaluated same four technologies at Pueblo Chemical Agent-Destruction Pilot Plant
- EA resulted in the issuance of a Finding of No Significant Impact for any of the evaluated technologies



The Static Detonator Chamber was selected as the preferred technology



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Requirement for Review



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- In accordance with Army policy, under 32 CFR 651.5, National Environmental Policy Act documentation must be periodically reviewed for adequacy and completeness in light of changes in project conditions:
 - Previous re-evaluation completed in August 2009 with issuance of Record of Environmental Consideration

- Since the previous review, both projects have undergone changes:
 - Modifications of facility designs
 - Evaluation of potential offsite treatment of chemical agent neutralization products and other secondary waste



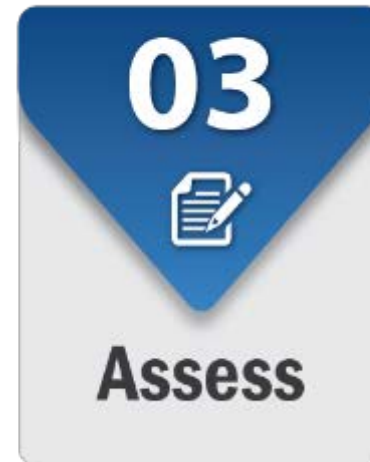
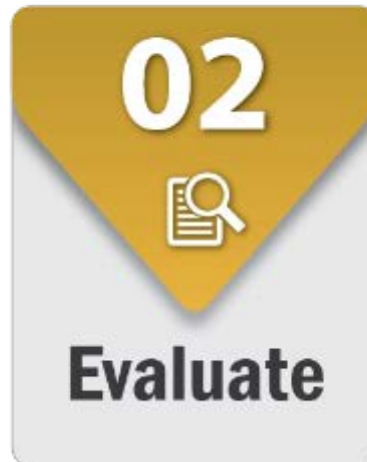
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Review Process



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- Current review of the previous National Environmental Policy Act (NEPA) documentation and changes in design basis and impacts represents a “5-year hard look” since the 2009 review, as required under NEPA includes:
 - Review of past NEPA documentation
 - Evaluation of changes in programmatic direction, project designs and plans against assumptions in previous NEPA documentation
 - Assessment of impacts due to project modifications resulting in significant changes to previous findings of environmental impact





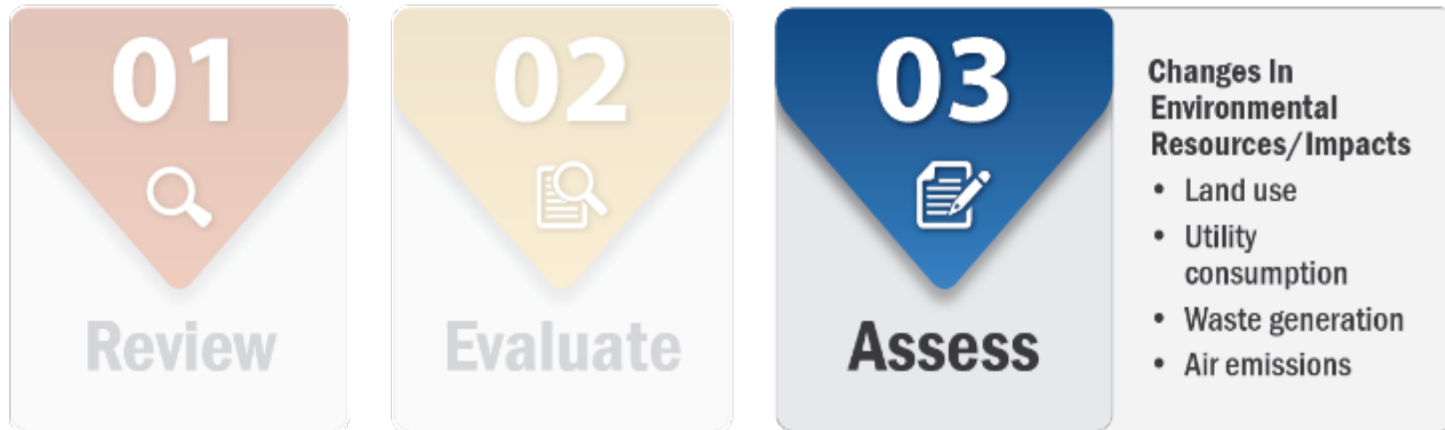
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Assessments

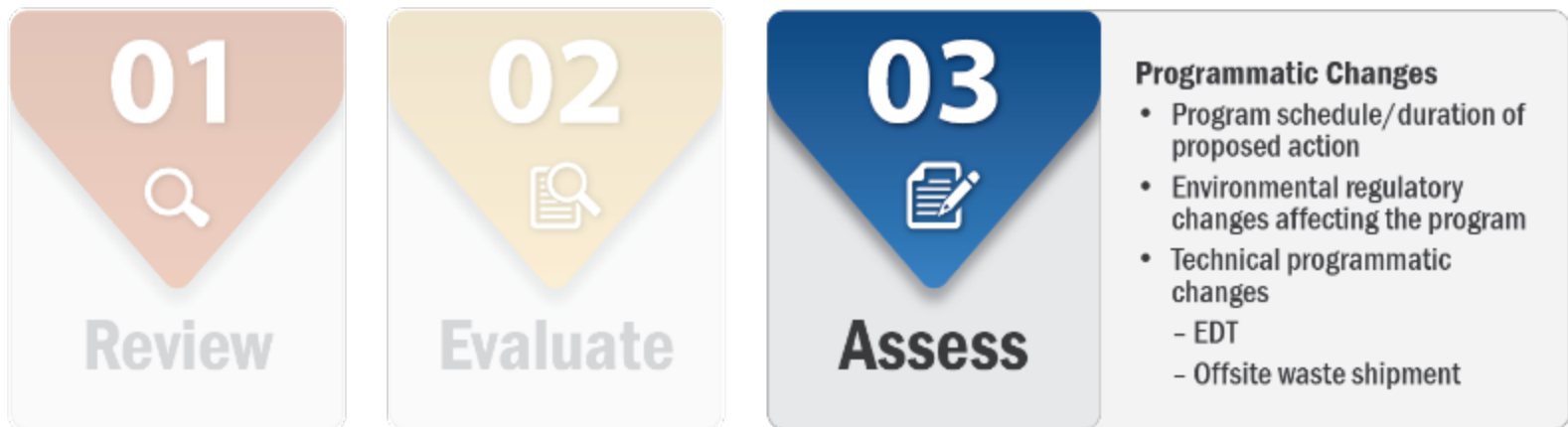


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Assessment of changes in environmental resources/impacts



Assessment of programmatic changes






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Assessments




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Assessment of design changes in plant

01

Review

02

Evaluate

03

Assess

Design Changes In Plant

- PCAPP bioreactor off gas treatment system
- PCAPP bulk oxidizer
- PCAPP waste laydown area
- PCAPP coatings
- PCAPP lab annex
- BGCAPP Nitrogen generation
- BGCAPP Energetics Neutralization Reactor redesign
- BGCAPP washout system redesign
- BGCAPP Metal Parts Treater condensate mitigation
- BGCAPP water stops



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Conclusion



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- Based on the results of the re-evaluation a Record of Environmental Consideration
- was prepared to document the review, based on:
 - No substantial changes in the proposed action relevant to environmental concerns
 - No significant new circumstances or information relevant to environmental concerns that have a bearing on the proposed action or its impact



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Questions?



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