

## Alternative Technologies For The Destruction Of Chemical Agents And Munitions

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### Alternative Technologies For The Destruction

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### Amazon.com: Alternative Technologies for the Destruction ...

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### Alternative Technologies for the Destruction of Chemical ...

This book, the result of its investigation, addresses the use of alternative destruction technologies to replace, partly or wholly, or to be used in addition to the baseline technology. The book considers principal technologies that might be applied to the disposal program, strategies that might be used to manage the stockpile, and combinations of technologies that might be employed.

### Alternative Technologies for the Destruction of Chemical ...

enclosed alternative technologies.1 In comparison to technologies that are capable of capturing and treating the residual byproducts prior to release, OB/OD of energetic hazardous waste occurs in the open, and the treatment byproducts are released directly into the environment

### Alternative Treatment Technologies to Open Burning and ...

The present report is summarized here in sections on the requirements and other considerations for alternative technologies, the characteristics of proposed alternative technologies, options for gas and other waste stream handling to manage risks of special concern, strategies and system issues regarding the use of alternative technologies in the disposal program, and concluding observations.

### Read "Alternative Technologies for the Destruction of ...

DESTRUCTION TECHNOLOGIES The destruction technologies investigated by the committee include those under development for disposal of other types of toxic wastes (especially chlorinated hydrocarbons) as well as those specifically for chemical warfare munitions destruction Other alternative technologies, such as high-temperature ovens, are more widely available components that have been developed and used by private industry.

### DESTRUCTION TECHNOLOGIES | Alternative Technologies for ...

The Program Executive Office, Assembled Chemical Weapons Alternatives is responsible for the safe and environmentally sound destruction of chemical weapons stockpiles stored at the Blue Grass Army Depot, Kentucky and the U.S. Army Pueblo Chemical Depot, Colorado. In 1996, the United States Congress established the ACWA program to test and demonstrate alternative technologies to baseline incineration for the destruction of chemical weapons. The ACWA program oversaw the design and construction of

### Program Executive Office, Assembled Chemical Weapons ...

The program manager for the Assembled Chemical Weapons Alternative Program shall be responsible for management of the construction, operation, and closure, and any contracting relating thereto, of chemical demilitarization activities at Blue Grass Army Depot, Kentucky, and Pueblo Army Depot, Colorado, including management of the pilot-scale facility phase of the alternative technology selected for the destruction of lethal chemical munitions.

### 50 U.S. Code § 1521 - Destruction of existing stockpile of ...

The alternative treatment standard for hazardous debris are divided into three technology types: extraction, destruction, and immobilization. Residues from the treatment of hazardous debris must be separated from the treated debris and treated to meet the waste-specific treatment standards in 40 CFR section 268.40 .

### Treatment Standards for Hazardous Wastes Subject to Land ...

As an alternative to ODS destruction, EPA permits the transformation (or conversion) of ODS to useful non-ODS products. The phaseout regulations include recordkeeping and reporting requirements for entities that transform ODS. Learn more about recordkeeping and reporting requirements.

### Ozone-Depleting Substances (ODS) Destruction Technologies ...

Plasma Arc Destruction Conceptually the simplest ofthe alternative technologies is destruction ofthe chlorinated material in-flight in a plasma where temperatures ofseveral thou-sand degrees Celsius are reached.This is usually struck in argon gas which,al-though experiments have been conducted with the cheaper nitrogen,remains the

### Alternative Technologies for Destruction of PCB and Other POPs

This report supplements an earlier report that evaluated eight alternative technologies for destruction of the liquid waste streams from two of the U.S. Army's transportable treatment systems for nonstockpile chemical materiel: the RRS and the MMD.

### Amazon.com: Evaluation of Alternative Technologies for ...

report In June 1993, NRC published its first report, entitled Alternative Technologies for the Destruction of Chemical Agents and Munitions. A second NRC study, Recommendations for the Disposal of Chemical Agents and Munitions, was published in February 1994. The Army is scheduled to

### NSIAD-94-123 Chemical Weapons Destruction: Advantages and ...

the investigation of alternative and non-combustion destruction methods. Non-combustion destruction methods These technologies use physical and chemical processes of converting POPs wastes to less harmful substances. There are non-combustion, high-temperature technologies operating now at a commer-cial scale in one or more countries, where

### SOLUTIONS FOR

Evaluation of Alternative Technologies for Disposal of Liquid Wastes from the Explosive Destruction System | Committee on Review and Evaluation of the Army Non-Stockpile Chemical Materiel Disposal Program, National Research Council | download | B–OK. Download books for free. Find books

### Evaluation of Alternative Technologies for Disposal of ...

Energetic material destruction—Energetic material destruction can be classified based on closed (contained) detonation, thermal destruction, and chemical destruction technologies. Depending on the technology employed, both the munition and/or propellant may be treated, and treatment may be possible without prior case opening.

### EPA Reports on Alternative Treatment Technologies for ...

The DOE complex has a need to demonstrate technologies that are alternatives to incineration for the destruction of organic solvents, chlorinated hydrocarbons, plastics, and organic solids. The current industry practice for the targeted waste streams is treatment by incineration.

### Evaluation of alternative nonflame technologies for ...

alternative, non-incinerative decontamination technologies, with the result that such alternatives therefore occupy only a relatively small place in terms of tonnages destroyed in the developed countries.

### Survey of Currently Available Non-Incineration PCB ...

Public Law 107-248 assigns ACWA responsibility for destruction of chemical weapons stored in Kentucky if an alternative technology is chosen. Department of Defense selects neutralization followed by supercritical water oxidation (SCWO) as the destruction method for the Kentucky stockpile.

### Blue Grass Chemical Agent-Destruction Pilot Plant - Wikipedia

A description of any supplemental chemical agent and munitions destruction technologies used at Pueblo Chemical Depot, Colorado, and Blue Grass Army Depot, Kentucky, during the period covered by the report, including explosive destruction technologies and any technologies developed for the treatment and disposal of energetic or agent hydrolystates.