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NOV 15 1996

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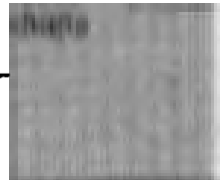
FAX: (703) 602-5742

e-mail: (b)(6)

Re: NATO Workshop in Moscow, my FAX of 14 Nov 96

Many thanks for your comments and your quick response. This version of the briefing incorporates the changes you suggested. It is provided for your information.

Some Agencies have requested copies of the actual briefing (full size pages). I will make that available at a future backstopping meeting.



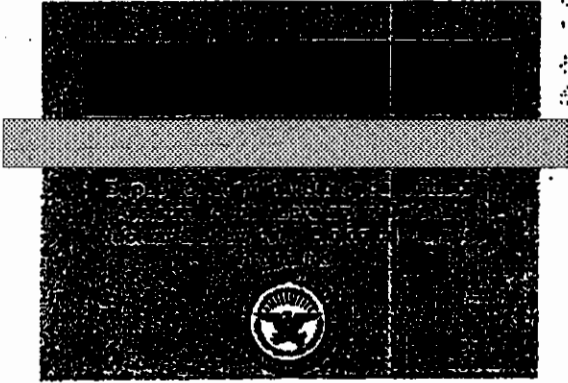
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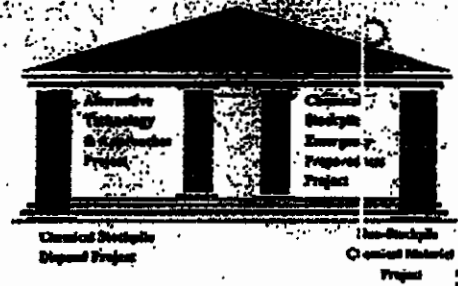
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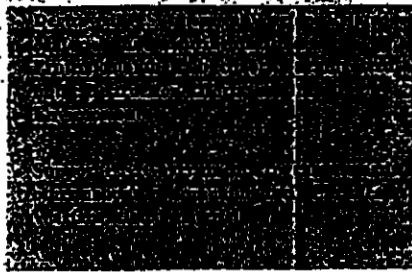
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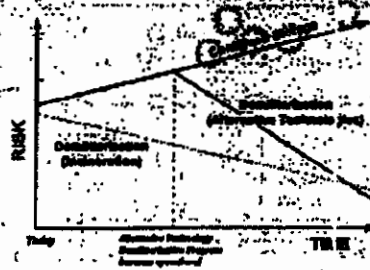
Chemical Demilitarization Pillars



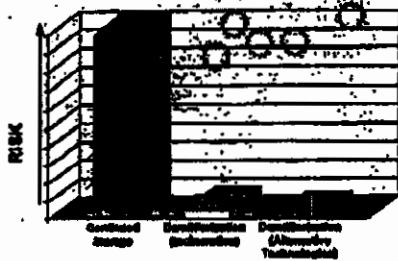
Mission



Chemical Weapons Demilitarization: Risks of Options



Cumulative Risk Estimation




Comparative Risk Storage Vs Disposal



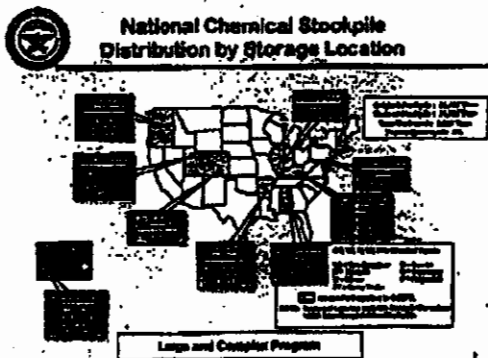
Problems With - Persistent Gas Rocket, VX, 116Nm, M55

- Leakage
- Degrading Propellant
- Possible Catastrophic Consequences



Inventory M55 Rockets (GB/VX)

Category	Sub-category	Quantity
Ammunition	Rockets	12,000
	Rocket Workloads	100
Misc Green	Rockets	10,000
	Rocket Workloads	100
Fire Staff	Rockets	200,000
	Rocket Workloads	100
Tanks	Rockets	10,000
	Rocket Workloads	100
Miscellaneous	Rockets	10,000
	Rocket Workloads	100



Chemical Stockpile Distribution by Storage Location

Code	Quantity	Category	Quantity	Total
1000	100,000	100-100	100,000	100,000
1001	100,000	100-100	100,000	100,000
1002	100,000	100-100	100,000	100,000
1003	100,000	100-100	100,000	100,000
1004	100,000	100-100	100,000	100,000
1005	100,000	100-100	100,000	100,000
1006	100,000	100-100	100,000	100,000
1007	100,000	100-100	100,000	100,000
1008	100,000	100-100	100,000	100,000
1009	100,000	100-100	100,000	100,000
1010	100,000	100-100	100,000	100,000
TOTAL	1,000,000		1,000,000	1,000,000

Chemical Stockpile Disposal Program Schedule

Item	Start Date	End Date	Status
1	1990	1995	Completed
2	1991	1996	In Progress
3	1992	1997	Planned
4	1993	1998	Planned
5	1994	1999	Planned
6	1995	2000	Planned
7	1996	2001	Planned
8	1997	2002	Planned
9	1998	2003	Planned
10	1999	2004	Planned
11	2000	2005	Planned

PROGRAM ACCOMPLISHMENTS AND STATUS

100% Complete



ACCOMPLISHMENTS JOHNSTON ISLAND

- Operational Since 1996
- The First Full-Scale Chemical Processing and Refinement Facility
- Extensive Shake Out Effect has been Reported
- Successfully Destroyed Over 1,000 Tons of Agent
- All M55 Robots on Johnston Island Destroyed
- All MC-1 Bombs on Johnston Island Destroyed (Air Force)
- All MK-84 Bombs on Johnston Island Destroyed (Navy)
- Preparing for GB 155mm Projectile Campaign



ACCOMPLISHMENTS TOOELE

- Facility Construction Completed - August 1997
- Systemization Status - Completed All System Acceptance Tests
- Emergency Procedures
- Began Destruction of U.S. Stockpile - 22 Aug 96



STATUS ANNISTON

- Systems Contract Status:
 - Awarded With a "Limited Notice to Proceed" Provision to Westinghouse Electric Company in February 25, 1996
- Allows for Construction Planning, Permit Processing, and Preparation for Construction
- Construction Efforts Will Not Commence Until Receipt of Necessary Environmental Permits



STATUS UMATILLA

- Procurement:
 - Request for Proposal Issued Feb 1996
 - Source Selection Evaluation Report Completed
 - Systems Contract Award Scheduled for 30 FY97
- Environmental:
 - Environmental Permit Applications Submitted Feb and Aug 1996 respectively
 - Health Risk Assessment Being Prepared by State's Department of Environmental Quality (DEQ)



STATUS PINE BLUFF

- Procurement:
 - Request for Proposal Issued Feb 1996
 - Systems Contract Award Scheduled for Dec 1997
- Environmental:
 - Environmental Permit Applications & Health Risk Assessment Protocol Provided to State in June 1996
- Health Risk Assessment Protocol Being Revised to Meet State's Changed Protocol Standards



STATUS PUEBLO

- Procurement:
 - Request for Proposal Issued Feb 1996
 - Systems Contract Award Scheduled for 30 FY97 pending Receipt of Environmental Permit and Certificate of Disposition
- Environmental:
 - Health Risk Assessment Protocol Submitted to State Aug 1996
 - Environmental Permit Applications Submitted to State Oct 1996



Chemical Stockpile Emergency Preparedness Project (CSEPP)

- Objectives
 - Build and Maintain a Strong, Self-Reliant, Ready Army Installations and Community
 - Develop and Maintain a State-of-the-Art "Community Emergency Response Capability Around the Major Chemical Stockpile Storage Installations"
 - Be a Good Neighbor by Providing Funding and Technical Assistance to the Civilian Community for the Improvement of Emergency Response Capability
 - Work in Concert with the Community to Assure Maximum Protection to the Public



STATUS ALTERNATIVE TECHNOLOGIES

- Establish the Feasibility of Stand-Off Site Neutralization and Neutralization Followed by Biodegradation Processes for Agent HD and VX Disposal at Aberdeen Proving Ground (APG) and Newport Chemical Activity (NCA)
- Provide Information to Support a Department of Defense (DOD) Decision to Proceed or Not Proceed with Pilot Testing - Dec 96



STATUS NON STOCKPILE CHEMICAL MATERIEL PROGRAM (NSCMP)

- Disposal of All Chemical Warfare Materiel (CWM) Not Included in the Unitary Approach
 - Binary Chemical Weapons (CWC: Within 10 yrs)
 - Miscellaneous CWC: Devices and Equipment Specific to Employment of Chemical Weapons (Unfilled Munitions, Barrels, Launchers, etc.) (CWC: Within 5 yrs)
 - Recovered Chemical Weapons (CWC: Within 10 yrs)
 - Former Production Facilities (CWC: Within 10 yrs)
 - Buried CWM (CWC: Treated or recovered chem agent)



ACCOMPLISHMENTS Community Outreach

- Strategic Plan
- Statefront Information Centers
- Public Education Programs
- Funding provided to Citizens Advisory Committees



Alternative Technologies and Approaches

- Focus on "Walk-Off" Sites (Aberdeen Proving Ground)
 - Reaching Out to Industry to Develop Commercial Technologies - 2 Proposed Technologies Submitted to DARPA for Evaluation
 - Silver-II Electrochemical Oxidation (EPA Techology)
 - High-Temperature Gas Phase Oxidation (The I CO Logic Process)
 - Catalytic Oxidation Process (EPA Environment Abstract Manual)
- Government R&D Effort With Two Low-Tempers and Low-Pressure Destruction Technologies
 - Neutralization Followed by Offsite Wastewater Treatment
 - Neutralization Followed by Biodegradation



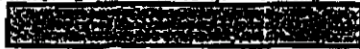
Potential Chemical Warfare Material Burial Sites



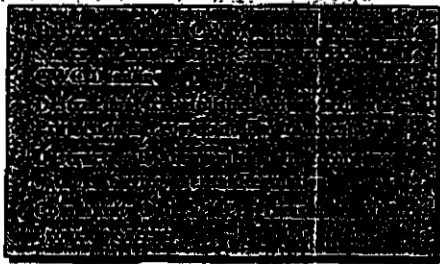


NSCMP Current Activities

- Detailed Implementation Plan Aug 96
- Programmatic Environmental Impact Statement - On Going
- On-site Destruction Technology, Design, and Fabrication - On Going
- Environmental Permit Certification for Demonstration of Technology - On Going
- Selection of Small Business Contractor - Jul 95
- Participating in Remediation Projects - On Going



Summary



Chemical Weapons Convention Requirements

- After Entry into Force (EIF) requirements for Proliferation within 10 years
- Requires Destruction of:
 - Legacy Chemical Weapons
 - Chemical Agents and Precursors
 - Equipment and Devices Specifically for Chemical Weapons
 - Former Chemical Weapons Production Facilities
 - Binary Chemical Weapons