

Handwritten signatures and initials at top left.

Handwritten initials 'JTB'.

Handwritten signature and circled 'E76'.

*** FACSIMILE TRANSMISSION ***

OATSD(NCB)(CBM)
2451 CRYSTAL DRIVE, SUITE 650
FIVE CRYSTAL PARK
ARLINGTON, VIRGINIA 22202

Handwritten signature and date 'NOV 14 1996'.

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Re: NATO Workshop in Moscow, Briefing Slides on Chem Demil

Referencd workshop is scheduled for 18-20 Nov 96. This UNCLASSIFIED briefing is a standard one which Dr. Ted Preciv gives as an overview of the U.S. Chemical Demilitarization Program. A schedule conflict will preclude his presenting the briefing so he has asked that I do it in his stead.

I would appreciate an "Interagency Look" at the briefing but must ask that you do so rather quickly. If you would like to incorporate changes please let me know by 1600 hours on Friday, 15 Nov 96. If I hear nothing by that time, I will assume that you have no comments and the slides are okay. Thank you.

If the print is too small to be read, I will FAX individual pages (enlarged) for your review upon request. Also, if you would like an agenda for the conference, please let me know.

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Attachment

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Total number of pages (including cover): Six (6)

Handwritten notes: 'Total 48', 'Send for A/USA', 'No such file. Where else can it be out. Thank you.' and initials 'ADP'.

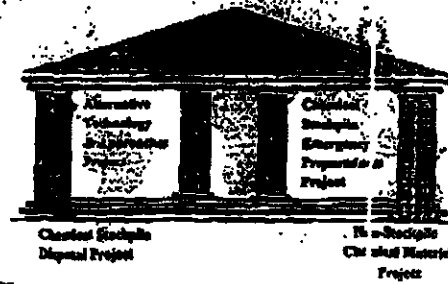


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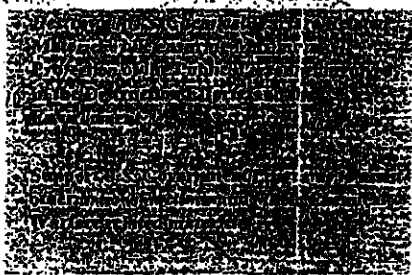
Deputy for Chemical/Biological Matters
Assistant to the Secretary of Defense
(Nuclear & Chemical & Biological Defense
Programs)



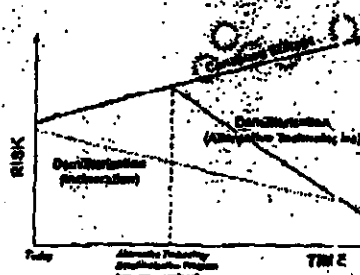
CHEMICAL DEMILITARIZATION PILLARS



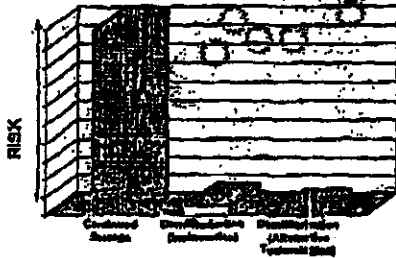
MISSION



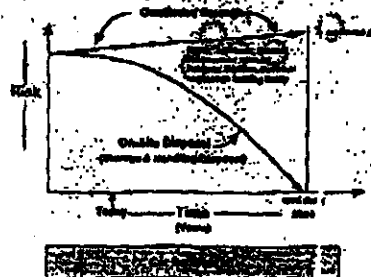
Chemical Weapons Demilitarization: Risks of Options



Cumulative Risk Estimation



COMPARATIVE RISK STORAGE VS DISPOSAL





PROBLEMS WITH ROCKETS

- Leakage
- Degrading Propellants
- Possible Catastrophic Consequences

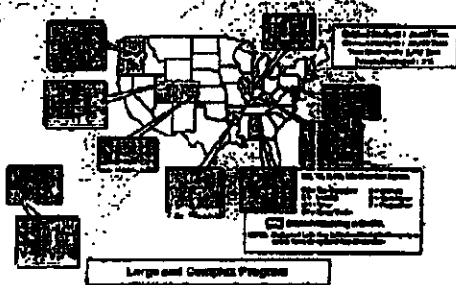


**INVENTORY
M55 ROCKETS (GB/VX)**

Weapon Type	Status	Quantity	Location
Anahita	Rockets	28,504	
	Rocket Workloads	20	
Min Oxon	Rockets	2,400	
	Rocket Workloads	20	
Fire Ball	Rockets	100,013	
	Rocket Workloads	204	
Tooth	Rockets	22,997	
	Rocket Workloads	4,004	
Lionel	Rockets	105,000	
	Rocket Workloads	20	



**NATIONAL CHEMICAL STOCKPILE
DISTRIBUTION BY STORAGE LOCATION**



**PROGRAM
ACCOMPLISHMENTS
and
STATUS**



**ACCOMPLISHMENTS
JOHNSTON ISLAND**

- Operational Since 1990
- The First Full-Scale Chemical Operations Incineration Facility
- Extensive Show Out Effort has been Required
- Successfully Destroyed Over 1,000 Tons of Agent
- All M55 Rockets on Johnston Island Destroyed
- All MC-1 Bombs on Johnston Island Destroyed (Air Force)
- All MK-94 Bombs on Johnston Island Destroyed (Navy)
- Preparing for GD 155mm Projectile Campaign



**ACCOMPLISHMENTS
TOOELE**

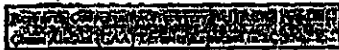
- Facility Construction Completed on 28 Jul 93
- Synchronization Status - One of the 100,000 Gallon Acceptance Tanks
- Emergency Preparedness
- Began Destruction of U.S. Stockpile - 22 Aug 96





**STATUS
ANNISTON**

- **Systems Contract Status:**
 - Awarded With a "Limited Notice to Proceed" Provision to Washington Electric Company on February 23, 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 Proposals Issued Jul 1994
 - Source Selection Evaluation Report Completed
 - Systems Contract Award Scheduled for 2Q 1997
- **Environmental:**
 - RCRA and CAA Permit Applications Submitted Feb and Aug 1995, Respectively
 - HRA Being Prepared by State's Department of Environmental Quality (DEQ), Scheduled to Be Finalized 2Q FY97



**STATUS
PINE BLUFF**

- **Procurement:**
 - Request for Proposal Issued Jul 1994
 - Systems Contract Award Scheduled for 1Q FY97
- **Environmental:**
 - RCRA/CAA Permit Applications & HRA Protocol Provided to State in June 1995
 - HRA Protocol Being Revised to Meet State's Changed Protocol Standards - Resubmitted to the State 3Q FY96



**STATUS
PUEBLO**

- **Procurement:**
 - Request for Proposal Issued Jul 1994
 - Systems Contract Award Scheduled for 1Q FY97. Pending Receipt of RCRA, CAA Permit and Notification of Designation
- **Environmental:**
 - HRA Protocol Submitted to State Aug 1995
 - RCRA & CAA Permit Applications Submitted to State Oct 1995



**CHEMICAL STOCKPILE EMERGENCY
PREPAREDNESS PROJECT (CSEPP)**

- **Objectives**
 - Build and Maintain a Strong Relationship Between Army Installations and Communities
 - Develop and Maintain a State-of-the-Art "Community Emergency Response Capability Around the Eight 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



**ACCOMPLISHMENTS
Community Outreach**

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



**STATUS
ALTERNATIVE TECHNOLOGIES**

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



**ALTERNATIVE TECHNOLOGIES
AND APPROACHES**

- Focused on "Bulk Only" Sites (New York and Ft. Belvoir)
- Reaching Out to Industry to Develop Disposal and Technologies - 3 Proposals Submitted to DOD and TRC for Evaluation
 - Silver II Electrochemical Oxidation (ASA Technology)
 - High Temperature Gas Phase Oxidation (TRC ECO Logic Process)
 - Catalytic Extraction Process (M&E Environmental Systems)
- Government R&D Effort With Two Low-Temperature and Low-Pressure Destruction Technologies
 - Neutralization Followed by Offsite Wetness or Treatment
 - Neutralization Followed by Biodegradation



**STATUS
NON STOCKPILE CHEMICAL MATERIEL
PROGRAM (NSCMP)**

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

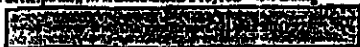


**POTENTIAL CHEMICAL WARFARE
MATERIEL BURIAL SITES**



NSCMP CURRENT ACTIVITIES

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



**CHEMICAL WEAPONS
CONVENTION REQUIREMENTS**

- After Entry into Force (EIF) - all weapons to be destroyed within 10 years
- Required Destruction of:
 - Unitary Chemical Weapons
 - Chemical Agents and Precursors
 - Equipment and Devices Specifically for Chemical Weapons
 - Former Chemical Weapons Production Facilities
 - Binary Weapons



SUMMARY

A rectangular area containing a table with multiple columns and rows. The content is heavily obscured by a dense, dark, grainy pattern, likely representing redacted information or a very poor quality scan of a table.