



Cooperative Threat Reduction (CTR) Program Objectives



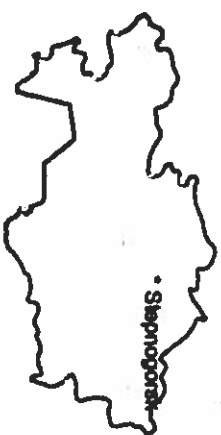
- Dismantle former Soviet Union (FSU) Weapons of Mass Destruction (WMD) and associated infrastructure
- Consolidate and secure FSU WMD and related technology and materials
- Increase transparency and encourage higher standards of conduct
- Support defense and military cooperation with the objective of preventing proliferation
- Provide oversight and technical support

2

*No direction on
what our core
projects should do
in terms of CTR*



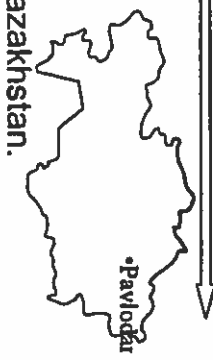
Dismantle FSU WMD and Associated Infrastructure Kazakhstan



- Location:
 - Joint Stock Company (JSC) Biomedpreparat production facility at Stepnogorsk
- Project Description:
 - Dismantle BW production facility
- Activity:
 - Phase 1: Completed May 98
 - Results: Management Plan; initial sampling and analysis; inventory of equipment and facilities; safety monitoring laboratory; dismantlement plan
 - Phase 2: Completed Sep 00
 - Results: Removed equipment and bio-level 3/4 containment from buildings 221, 231, and 600 IAW dismantlement plan
 - Phase 3: Completed Dec 00
 - Prepare documentation for Phase 4
 - Phase 4: Completed
 - JSC/BNL removed ancillary equipment from building 231
 - Twelve month period of performance for elimination of building 231 beginning Apr 02
- Schedule:
 - Complete discussions with JSC to dismantle buildings 231, 221 and 600, Feb 02
 - Discuss measures to eliminate the remaining structures Feb 02
 - Begin dismantling building 231 Apr 02



**Dismantle FSU WMD and Associated Infrastructure
Kazakhstan**



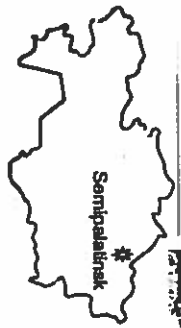
- **Location:**
Joint Stock Company (OAO) Pavlodar Chemical Plant; Pavlodar, Kazakhstan.
- **Project Description:**
 - Demilitarize infrastructure designed for chemical agent and weapons production in support of GOK efforts to eliminate Chemical Weapons Production Facility (CWPF) in accordance with CWC.
- **Proposed Road Ahead:**
 - Declaration of CWPf to OPCW (State has lead)
 - Technical Survey and cost estimate
 - Develop Project Plan and contract for work



**Dismantle FSU WMD and Associated Infrastructure
Kazakhstan**



•National Stockpile Site Elimination



- Location:**
- Semipalatinsk
- Description:**
- Eliminate one national stockpile site (NSS) for storage of nuclear warheads.
- Activity:**
- Developing project
- Schedule:**
- Expect project approval 4Q FY02



Consolidate and Secure WMD Technology and Materials Kazakhstan



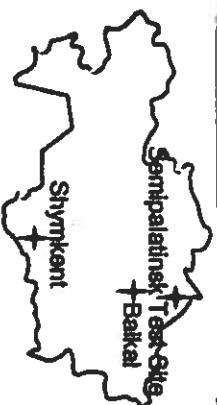
•Fissile and Radioactive Material Proliferation Prevention

Location:

- Shymkent, Balkal, Degelen

Description:

- Prevent the proliferation of radioactive material (Cesium, Strontium, Cobalt, and other gamma and beta sources) currently located at the PhosPhor plant in Shymkent
- Prevent the proliferation of fissile material currently located at the Semipalatinsk Test Site (STS)

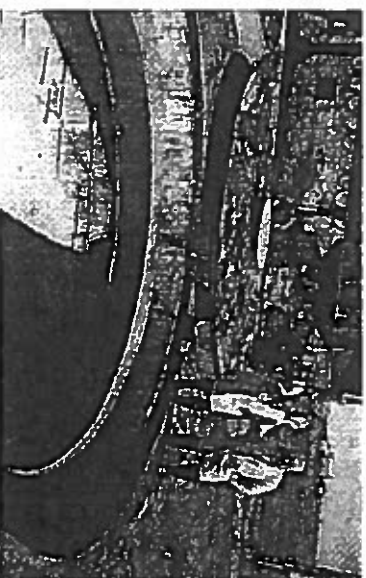


Activity:

- Performed inventory on approximately 2,000 unsecured radioactive sources at PhosPhor
- Designed transportation canisters for radioactive sources
- Physical and radiological assessments of the fissile material at STS

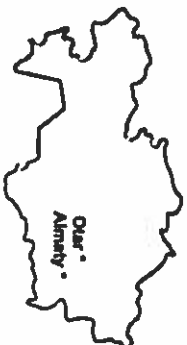
Schedule:

- Projects awaiting signing of WMDIE plus up Amendment
- Expected completion: 3Q FY03





Consolidate and Secure WMD Technology and Materials
Kazakhstan



- **Project Description: Location:**
 - Otar - State Research Agricultural Institute (SRAI)
 - Almaty - Kazakhstan Institute for Research on Plague Control (KIRPC)
- Provide basic BioSecurity protection for national strain collections
 - Under this of Kazakhstan - collect strain from*
- **Activity:**
 - Conducted initial visits and assessments May 99
 - CDC Ft. Collins storage of some KIRPC strains Sep 99
 - Almaty contract awarded to KIRPC in Mar 00 (15-month duration)
 - Secured strains, removed excess infrastructure, and erected security perimeter around site
 - Contract put on hold 4th Qtr 01 based on seismic report and need to erect a new repository
 - Contract rewritten to develop new security system/facility (12 month duration) estimated completion 4th Qtr 02
 - Otar contract awarded to SRAI in Apr 00 (15-month duration); completed 4th Qtr 01
 - Phase II security contract under review; start 3rd QTR 02
- Schedule:**
 - Otar - sign phase II 3rd QTR 02
 - Almaty - start engineering assessment for new building/repository, Oct 01
 - Start erecting the building 4th Qtr 02

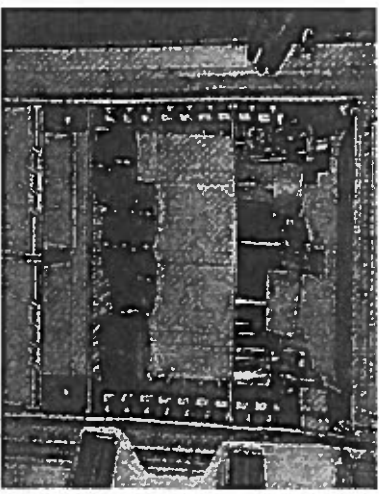
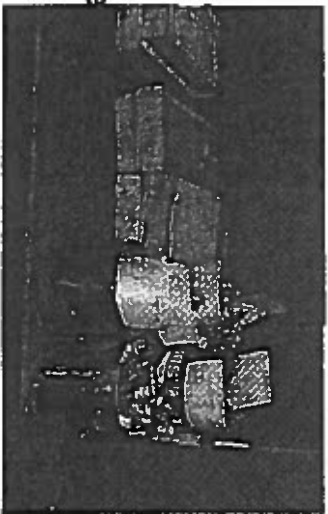


Consolidate and Secure WMD Technology and Materials Kazakhstan



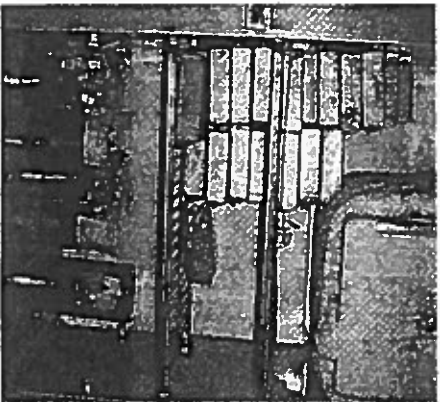
Dangerous Pathogen Repository

Example of refrigerators used for the working strains of plague in Kazakh Institute for Plague Control



Known Inventories

- Anthrax - 30 strains
- Brucellosis - 148 strains
- Cholera - 153+ strains
- Plague - 929 strains
- Tularemia - 250 strains
- Others - 118 strains





**Consolidate and Secure WMD Technology and Materials
Kazakhstan**



Otar Scientific Agricultural Research Institute

- Rabies
- Avian Pox
- Rinderpest
- Hog Cholera
- Canine Distemper
- Sheep & Goat Pox
- Newcastle Disease
- Aujeszky's Disease
- Infectious Hepatitis
- Parvovirus Enteritis
- African Swine Fever
- Avian Laryngotracheitis
- Equine Epizootic Lymphangitis
- Trychophytosis of Cattle/Camel



Microbial Culture Collection includes about 150 strains and isolates of 38 agents causing infectious disease. Ten of them extremely infectious.



Increase Transparency and Encourage Higher Standards of Conduct
Kazakhstan



• Collaborative Research

- Status: Developed project, in final policy review.
- Location: Kazakh Institute for Research on Plague Control, Almaty
- Project: Anthrax Strains in Kazakhstan \$292,580 USAMRIID/AFIP
- Will facilitate the transfer to DoD of all strains of interest in the Almaty Anti-plague Institute's collection, including strains of ~~plague~~, anthrax, and ~~other~~ ~~agents~~ used in the Soviet BW program
- Will provide DoD access to epidemiological data and strain isolates from past and future disease outbreaks in Kazakhstan
- Will create basis for disease monitoring network in Kazakhstan

K-570

Run Table - ISTC
ISTC ready to send WITHIN MONTH
OF POLICY TASKING

13