

An aerial photograph of Boundary Dam, a large concrete dam with a curved spillway, situated in a mountainous region with dense evergreen forests. The dam is surrounded by a road and some buildings. The text is overlaid in white, bold, sans-serif font.

**FERC Conference
February, 2005**

**Boundary Dam
Training Exercise**

**Law Enforcement Response
to Dam Emergencies**

Will Rogers (1879-1935)



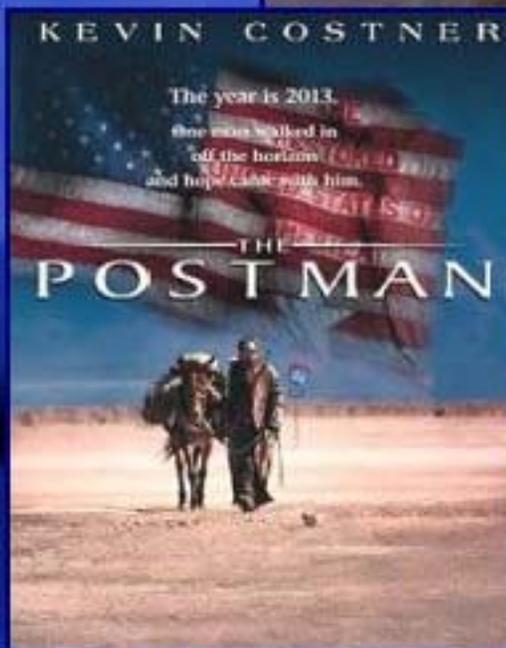
"When you put down the good things you ought to have done, and leave out the bad ones you did do, well, that's memoirs."







Boundary Dam Exercise



The fictional town of
Bridge City was built
on Boundary Dam



Boundary Dam Exercise

Funding:

- The exercise was funded by the Department of Homeland Security (DHS)
- Via the Office of Domestic Preparedness (ODP)
- Via the Washington State Department of Emergency Management
- The grant paid for overtime expenses, supplies and a consultant to facilitate

Boundary Dam Exercise

Objectives:

1. Determine capabilities of responding agencies
2. Acquaint responders with risks encountered when reacting to terrorist incident
3. Evaluate Incident Command procedures
4. Evaluate response time and response capabilities to dam

Boundary Dam Exercise

Scenario:

- Terrorists from the Militant Underground Guerrilla Society (MUGS) planted explosives around the dam, detonated an explosive and took the powerhouse operator hostage
- Law enforcement response required: first responders, Special Weapons And Tactics (SWAT) and Explosive Ordinance Disposal (EOD)

Boundary Dam Exercise

Participants:

Federal Agencies:

- Federal Bureau of Investigation
- US Border Patrol
- US Forest Service

Boundary Dam Exercise

Participants:

State Agencies:

- Washington State Patrol
- Washington State Department of Fish & Wildlife
- Washington State Department of Emergency Management

Boundary Dam Exercise

Participants:

County Agencies:

- Pend Oreille County Sheriff
- Pend Oreille County Fire District
- Pend Oreille Hospital
- Pend Oreille County Department of Emergency Management
- Spokane County Sheriff's Office

Boundary Dam Exercise

Participants:

City Agencies:

- Spokane Police Department
- Spokane Department of Emergency Management
- Metaline Police Department
- Seattle City Light



Boundary Dam Exercise

Participants:

Foreign Agencies:

- Royal Canadian Mounted Police

Non Governmental:

- EG&G (Consultant facilitators)

Boundary Dam Exercise

Exercise play:

1000 hours

- Boundary Dam experiences a breach of security and there is an explosion near the entrance to the powerhouse tunnel. Pend Oreille County 911 receives a call of an explosion and a deputy is dispatched







Boundary Dam Exercise

Exercise play:

1115 hours

- SWAT and EOD teams arrive at the incident command post

SPEED
LIMIT
20







Boundary Dam Exercise

Exercise play:

1230 hours

- SWAT begins taking positions inside the dam complex and clearing the grounds
- EOD unload equipment and prepare robot for mission





Boundary Dam Exercise

Exercise play:

1330 hours

- EOD examines a suspicious package blocking entry to powerhouse tunnel
- SWAT enters powerhouse, searching for terrorists and hostage

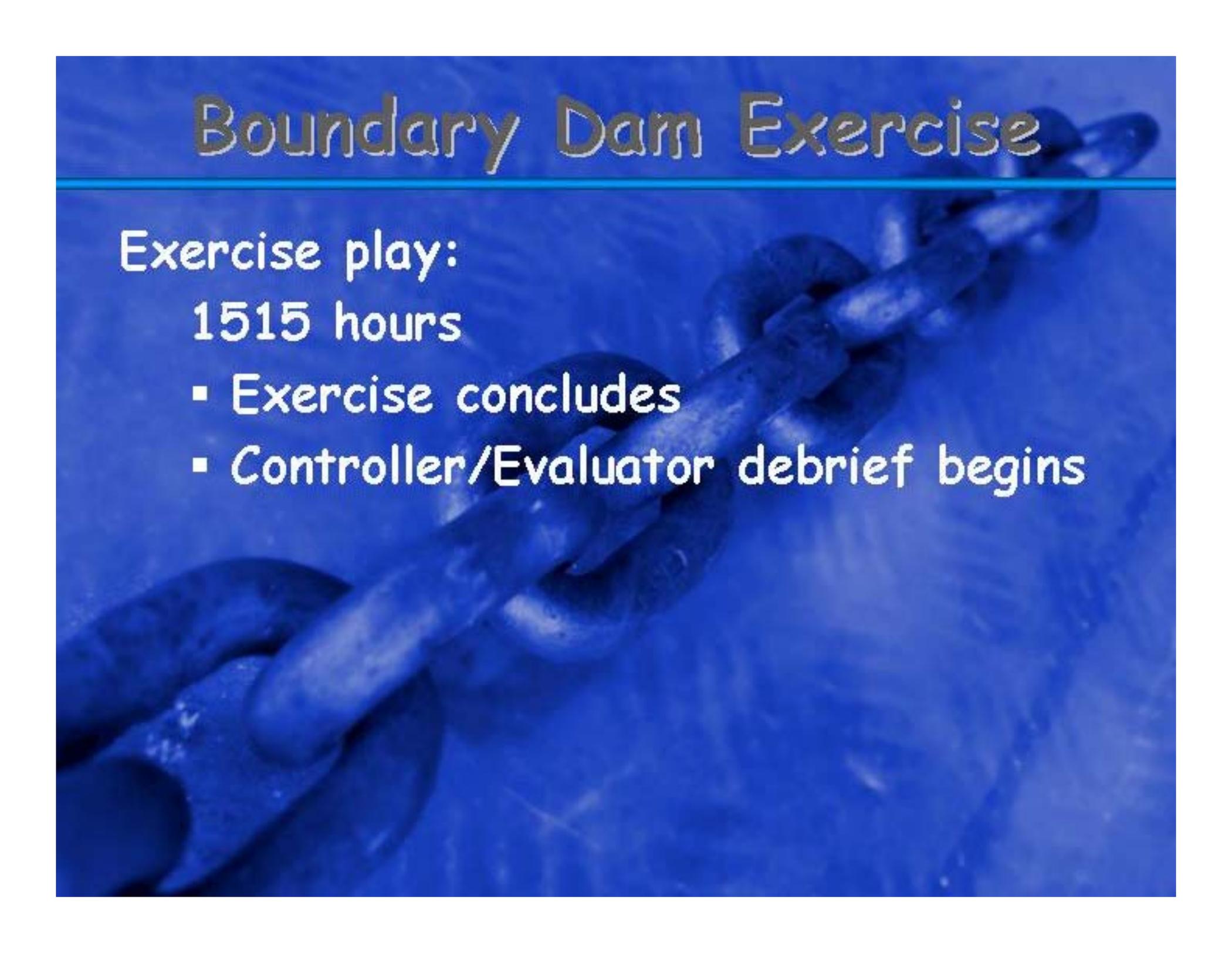








Boundary Dam Exercise



Exercise play:

1515 hours

- Exercise concludes
- Controller/Evaluator debrief begins

Boundary Dam Exercise

Lessons Learned:

- Exercise judged to be a success
- All of the exercise goals were met, although many recommendations for improvement were recorded
- City Light now has a much more realistic and quantitative understanding of the law enforcement response capabilities to the dam

Boundary Dam Exercise

Lessons Learned (continued):

- City Light's expenses were not grant reimbursable, but were minimal
- Most of the emergency responders present had never been to Boundary Dam previously
- A very worthwhile opportunity for any critical infrastructure operator

Law Enforcement Response



Law Enforcement Response

Important Concepts:

- The efforts for a successful emergency response need to be in place before the emergency
- You do NOT want to be talking to law enforcement for the first time when the emergency is happening

Law Enforcement Response

Steps:

- List all of your facilities
- Know which of your facilities are truly critical, and prioritize those that are
- Gather information relevant for law enforcement
- Meet with law enforcement to explain the critical nature of your facilities
- Provide orientation to your critical facilities' first responders

Law Enforcement Response

Consider:

- How well will your Emergency Action plan work for an intentional, malevolent event?
- Would your response and recovery plans provide the necessary guidance following a terrorist act?

Resources



FEMA

Emergency Management Institute

- Free on-line training for a variety of relevant topics
- training.fema.gov/EMIWeb/IS/



**Lessons Learned
Information Sharing**

- A collection of after-action reports and related materials
- www.llis.gov



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