Security at San Onofre

April 16, 2015

Ross Quam
Security Manager
Overview

1. Mission
2. Adversary Characteristics
3. Plans and Procedures
4. Insider Mitigation
5. Local Law Enforcement Agency Support
Mission

- Protect public health and safety against the threat of Radiological Sabotage
  - Well trained and highly qualified Armed Security Force
  - State of the art intrusion detection systems and cameras
  - Hardened defensive positions
Objectives & Requirements
(10 CFR 73.55)

- Physical protection program to address the design basis threat of radiological sabotage
- Capability to detect, assess, interdict, and neutralize threats
- Program to demonstrate effective implementation of the protective strategy
Sabotage/Theft

• **Sabotage/Theft:** Deliberate acts that could endanger the public by exposure to radiation

• **Threat:** Determined violent external assault, attack by stealth, or deceptive actions, including diversionary actions, by an adversary force
  – Single group attacking through one entry point
  – Multiple groups attacking through multiple entry points
Adversary Characteristics

(10 CFR 73.1)

- Well-trained and dedicated individuals with sufficient knowledge to identify specific equipment or locations necessary for attack
  - Active or passive insider
- Suitable weapons
- Hand-carried equipment
- Land and waterborne vehicle bomb assault
- Cyber attack
Security Plans

• Define how SONGS implements regulatory requirements such as:
  – Responsibilities and chain of command
  – Compensatory Requirements
  – Training and qualification of security personnel
  – Predetermined response plans and strategies
Procedures

• Provide site-specific details to ensure consistent implementation of security plans, including:
  – Equipment maintenance and testing
  – Training and qualification (includes Drills and Exercises)
  – Search Requirements
  – Post Responsibilities
  – Tactical Response Procedures
Protection of Plans

- Protect security plans and security-related information against unauthorized disclosure
  - Physical Security Plan
  - Training and Qualification Plan
  - Safeguards Contingency Plan
  - Cyber Security Plan
  - Security implementing procedures
Defense-in-Depth

Owner Controlled Area

Early Warning System

Protected Area

Vital Area Protection

Physical Building Structure

TARGET
Owner Controlled Area
OCA Access and Barricaded Gates

- Armed Security Officers
- Vehicle Barriers
- CCTV Monitoring
- Roving Patrols
Hardened Defensive Positions
Vehicle Barrier System
U2/3 Protected Area
Delay Fences and Gates

Hardened Fighting Positions
Vital Protection Area

- Concrete floors, walls, ceilings
- Steel doors locked, alarmed
- Key card access
- Delay barriers
- Anti-Grenade and/or Explosive Screens

Defensive Channeling and Traps
Security System Monitoring

- EWZ, PA and VA alarm monitoring, assessment and response
- EWZ and PA CCTV and video capture
- Multiple communication capabilities
Insider Mitigation

- Program must contain elements from:
  - Access authorization program (73.56)
  - Fitness-for-duty program (10 CFR part 26)
  - Physical protection program
FBI - Primary Law Enforcement Agency (LEA)

Maintains the SONGS Integrated Law Enforcement Response Plan which outlines response actions for:

- U.S. Coast Guard
- FAA
- U.S. Border Patrol
- CA State Park Rangers
- CA State Highway Patrol
- Orange County Sheriff
- San Diego County Sheriff
- USMC Provost Marshal’s Office
# Communications Interoperability

<table>
<thead>
<tr>
<th>Organization</th>
<th>Methods of Contact</th>
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<tbody>
<tr>
<td>FBI</td>
<td>Telephone Radio Cell Phone</td>
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<tr>
<td>CHP</td>
<td>Telephone Radio Cell Phone</td>
</tr>
<tr>
<td>USMC</td>
<td>Telephone Radio Cell Phone</td>
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<td>Telephone Radio Cell Phone</td>
</tr>
<tr>
<td>Border Patrol</td>
<td>Telephone Radio Cell Phone</td>
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</tbody>
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*Additional SONGS radios are staged for incoming law enforcement personnel*