# *Robust Security at Nuclear Power Plants*

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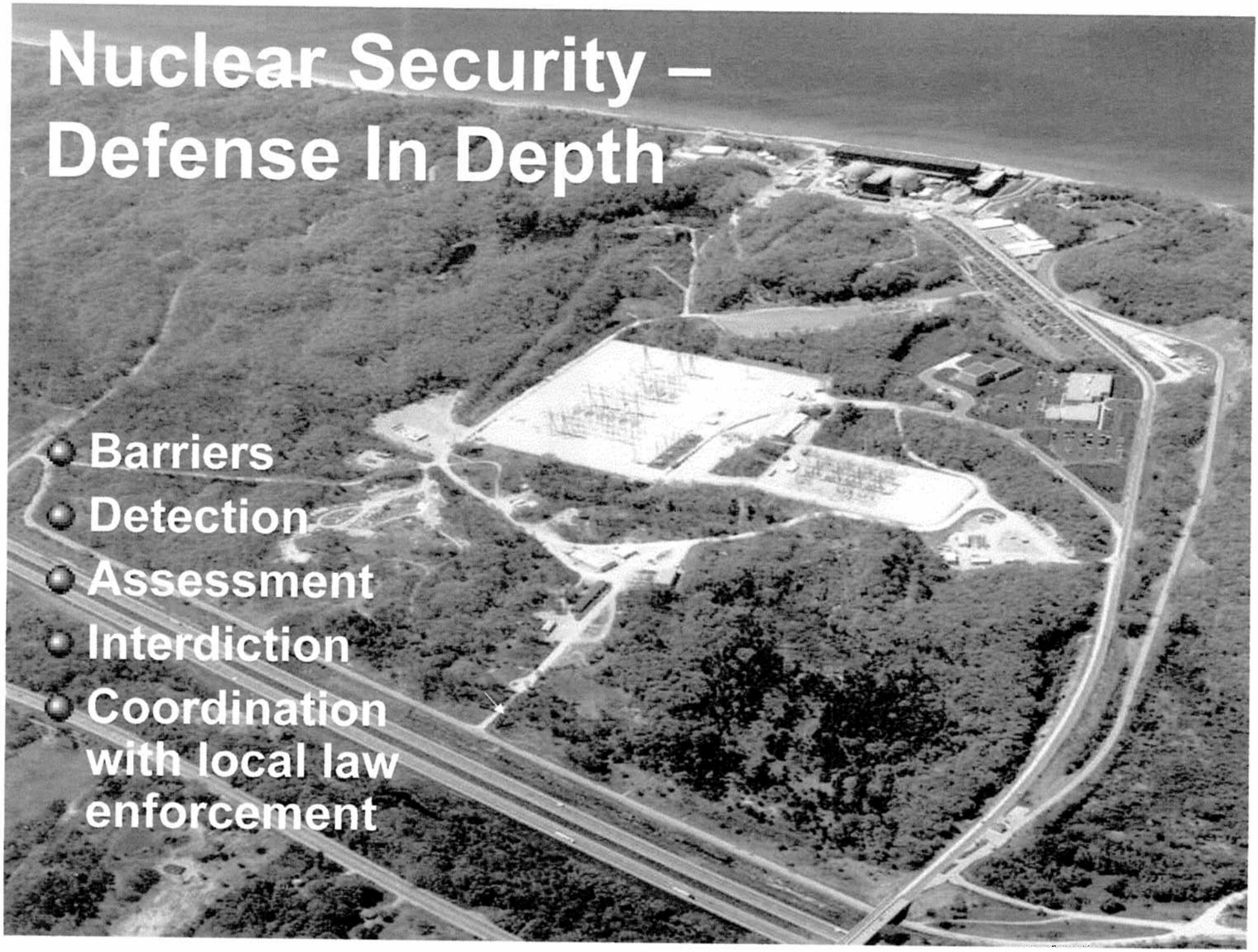
# Federal Regulations

- U.S. Code of Federal Regulations
  - Trained and drilled force, intrusion detection, closed-circuit monitoring, communication systems, access control, metal and explosive detection, fitness for duty, access authorization and contingency planning
- Design Basis Threat
  - A well-trained paramilitary force, armed with automatic weapons and explosives, with the assistance of an insider and intent on forcing its way into a nuclear power plant to commit sabotage

# Nuclear Security – Defense In Depth

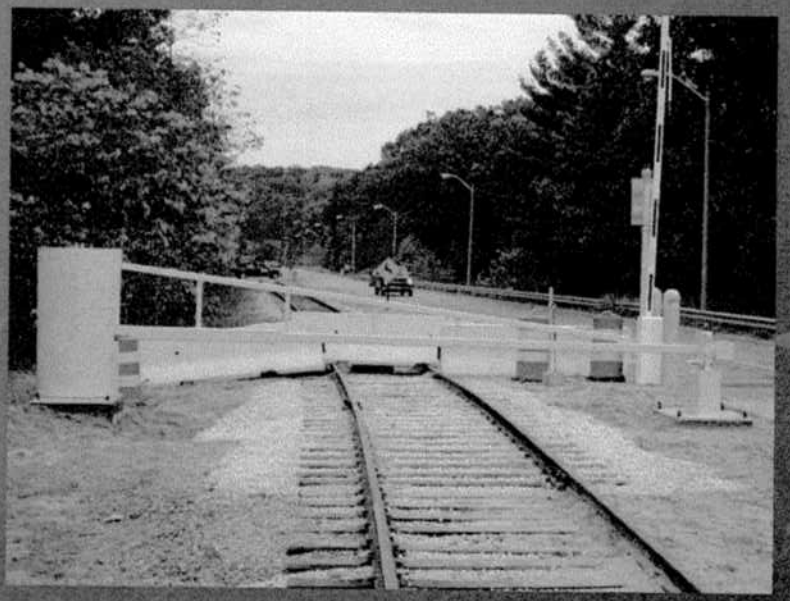


- Barriers
- Detection
- Assessment
- Interdiction
- Coordination with local law enforcement

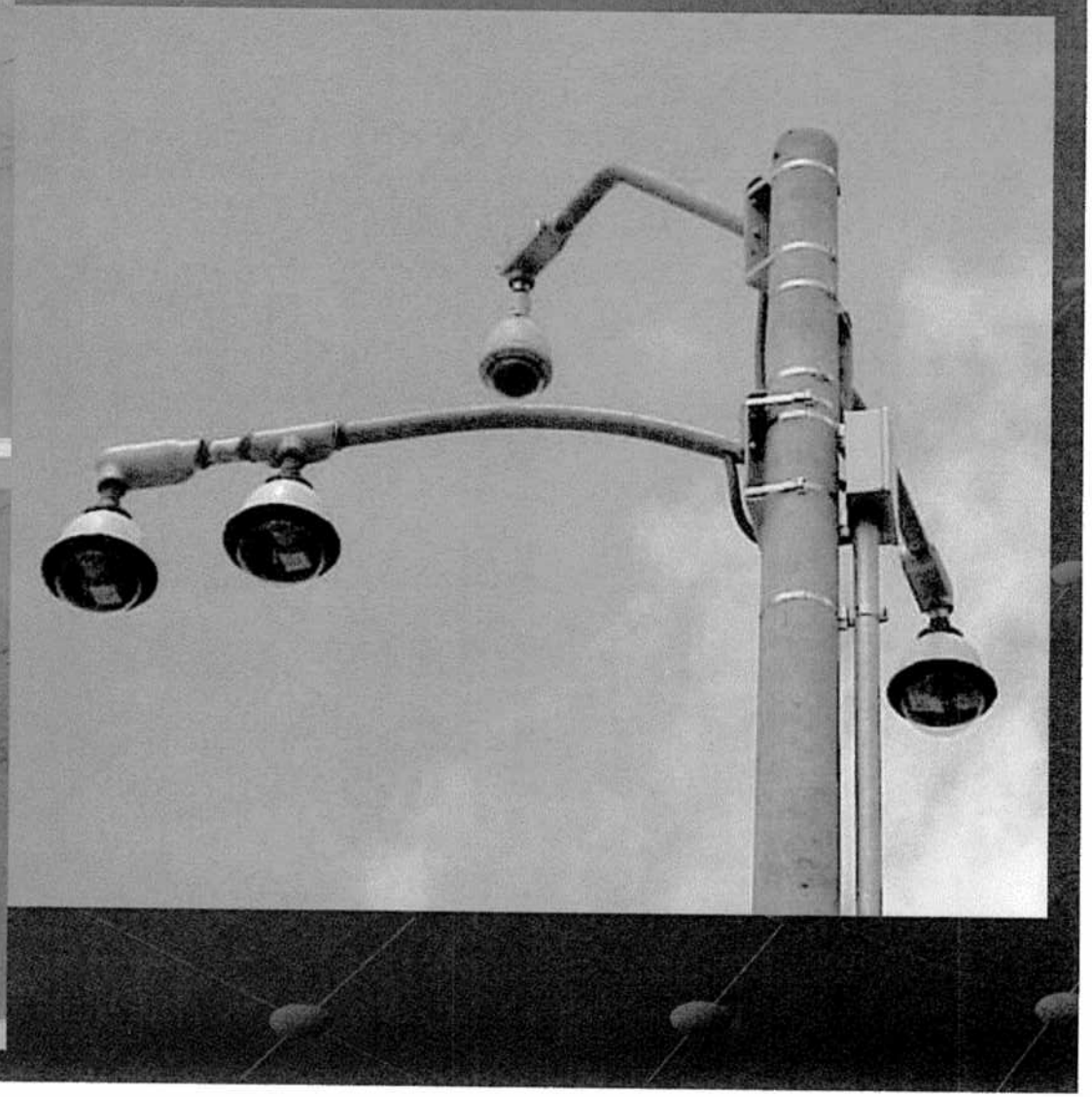
Vital Areas
Protected Area
Progressively
Tighter
Security
Owner Controlled Area

# Site Access Security Screening

# Vehicle Barrier Systems



# Closed Circuit Monitoring



# Intrusion Detection Systems

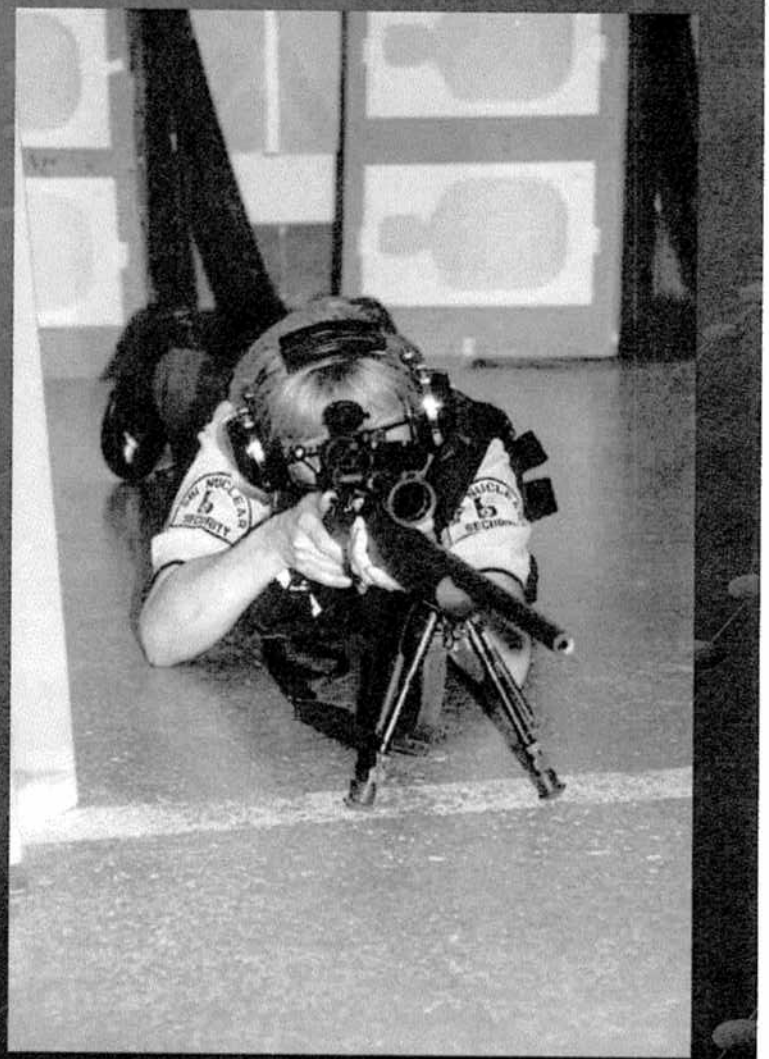
- Microwave detection systems
- Multiple monitoring stations with back up power supplies

# Bullet Resistant Enclosures

# Protective Strategy

# Security Force Profile

- Highly trained officers
- Many with military / security experience
- Many have served overseas
- Salary comparable to State Police officer
- High retention rate

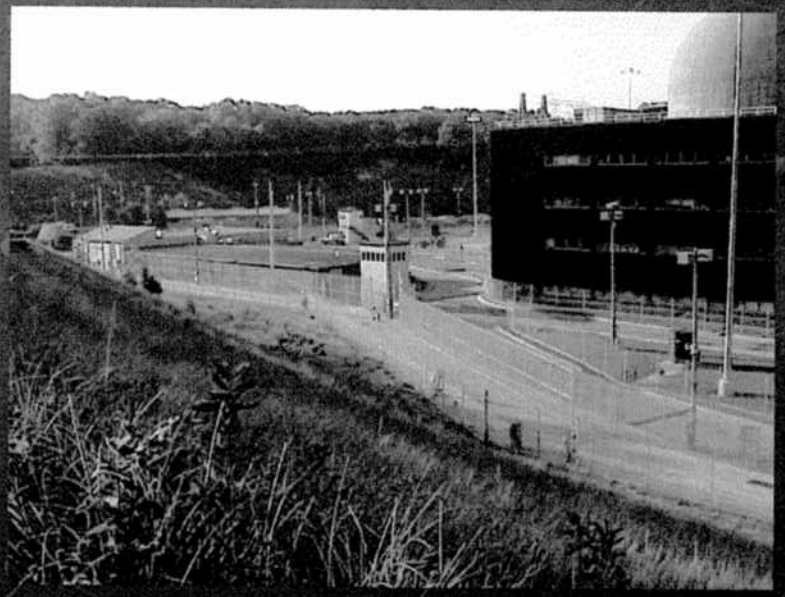


# Drills and Exercises

- Berrien County tactical team badged for access, regular training.
- Coordinated exercise with MSP, FBI and County

# Other Security Upgrades

- Additional fencing
- X-Ray and explosive screening
- Staffing increases
- Training improvements
- New Training facilities
- Armament and weaponry
- Access screening requirements
- Cyber Security



# Continuing Actions

- Work with federal, state and local agencies to implement enhanced security procedures
- Increase dialogue among emergency planning personnel at all levels of government
- Coordinate with intelligence, law enforcement agencies
- Assess changing security, emergency planning and operating procedures
- Support Office of Homeland Security review