

PSEG

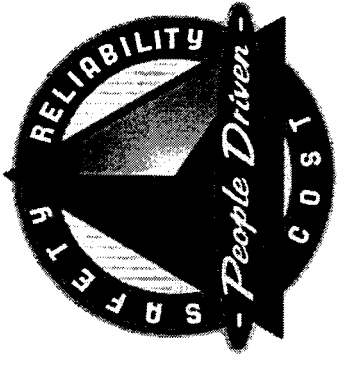
Nuclear LLC



Dry Cask Storage Project

Nuclear Regulatory Commission

June 19, 2003
King of Prussia, PA



PURPOSE

Provide the NRC with an overview of

- PSEG's objective and project team composition
- Site and vendor selections
- Schedule and significant milestones
- Public communication efforts

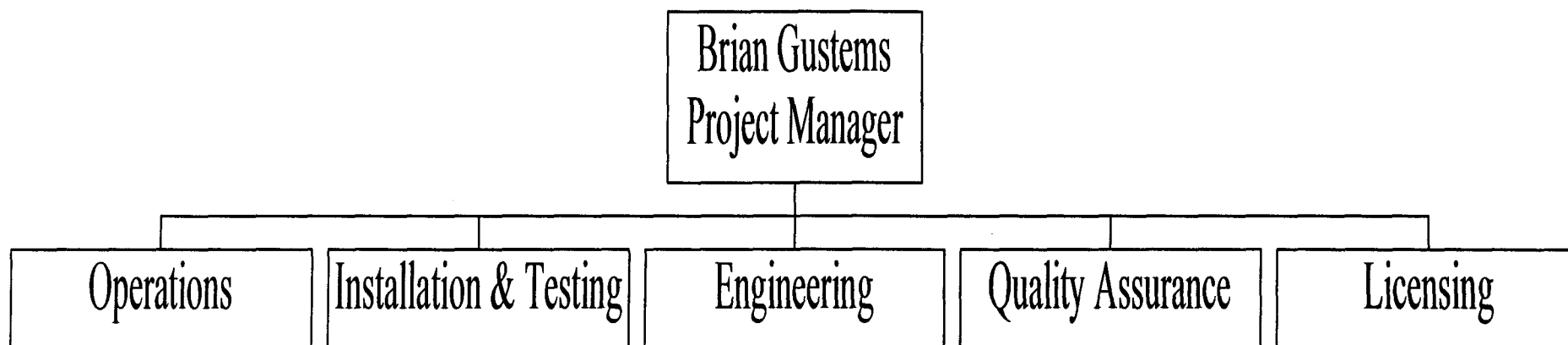


OBJECTIVE

Under the provision of 10 CFR 72 Subpart K, PSEG will design, construct, and operate a safe, reliable, and temporary Independent Spent Fuel Storage Installation (ISFSI) useable by both Hope Creek and Salem stations in anticipation of final shipment to a federal geological repository planned for Yucca Mountain, Nevada.



PROJECT TEAM COMPOSITION





ISFSI SITE SELECTION

- Sized to accommodate spent fuel from Hope Creek & Salem generating stations (~ 400' x 400')
- Minimizes impact on normal plant activities
 - Easy Access to Facilities (Reactor & Fuel Handling Buildings)
 - Minimize Construction of the Heavy Haul Path (Most Direct)
 - Minimize Impact to Environmentally Sensitive Areas
 - Minimize Dose To Site Personnel
 - Minimize Interference from Existing Underground Utilities



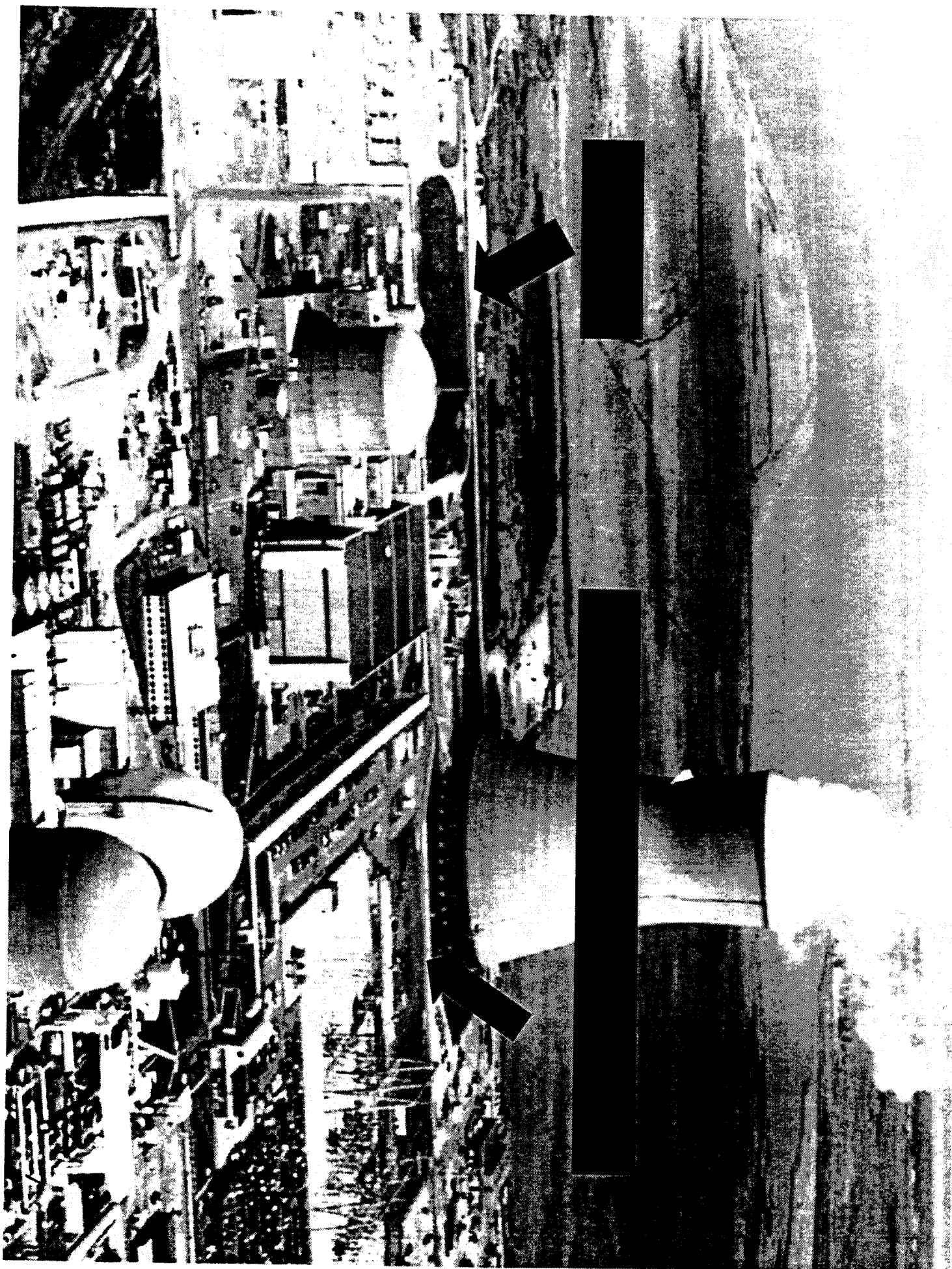
ISFSI SITE SELECTION

SITE SELECTION:

- The abandoned Hope Creek 2 Cooling Tower Site

ADDITIONAL BENEFITS:

- Easily incorporated into the Protected Area
- Assists with compliance to Interim Compensatory Measures (ICMs) of NRC





ISFSI VENDOR SELECTION-DESIGN

PSEG selected:

- Sargent & Lundy (S&L)
 - Design the ISFSI pad
 - Design the heavy haul path
 - Design the cask fabrication & staging area
 - Design the material center access road



ISFSI VENDOR SELECTION-CASK

PSEG selected:

- Holtec International
 - Supply the Dry Cask Storage System for the first four campaigns (4 casks each)



ISFSI VENDOR SELECTION-SECURITY

PSEG selected:

- Nuclear Security Services Corporation (NSSC)
 - Design the lighting system
 - Design the cask monitoring system
 - Design the security
 - Incorporate the ISFSI into the existing plant protective area



ISFSI SCHEDULE

- PSEG's goal is to maintain Full Core Offload Capability (FCOC)
 - 2007 for Hope Creek
 - 2011 for Salem Unit 1
 - 2015 for Salem Unit 2



ISFSI SIGNIFICANT MILESTONES

2002/3

- Completed vendor selection process for
 - Facility design
 - Cask system
 - Security system

2003

- Review & approve design change packages (4Q)
- Obtain permits (4Q)
- Issue bid for ISFSI construction (4Q)



ISFSI SIGNIFICANT MILESTONES

2004

- Select construction vendor (1Q)
- Start ISFSI construction (1Q)
- Develop procedures (4Q)
- Start fabrication of canisters (4Q)

2005

- Develop training programs (1Q)
- Receive equipment transporter and casks (3Q)
- Complete ISFSI construction (4Q)



ISFSI SIGNIFICANT MILESTONES

2006

- Internal dry runs (1Q)
- NRC dry run (2Q)
- Initial loading campaign at Hope Creek(3Q)



PSEG COMMUNICATION PLAN

Communication plan focuses on keeping two major audiences informed based on project milestones

- External & Internal Stakeholders
 - Pre-Construction
 - Construction
 - Operations



SUMMARY

- Facility will be built
 - Under the provision of 10 CFR 72 Subpart K General License
 - Best available site was chosen for the facility
- A strong team was selected which includes
 - PSEG personnel
 - Sargent & Lundy
 - Holtec International
 - Nuclear Security Services Corporation



SUMMARY

- An achievable schedule
 - Complete pad design 4Q 2003
 - Start facility construction 1Q 2004
 - Finish facility construction 4Q 2005
 - NRC dry run 2Q 2006
 - First campaign 3Q 2006

- A solid communication plan
 - Committed to keep our stakeholders informed

