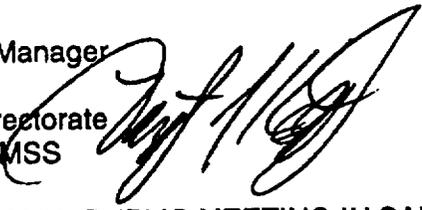




UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

April 16, 2001

MEMORANDUM TO: Susan M. Frant, Deputy Director
Licensing and Inspection Directorate
Spent Fuel Project Office, NMSS

FROM: Timothy J. Kobetz, Project Manager
Licensing Section
Licensing and Inspection Directorate
Spent Fuel Project Office, NMSS 

SUBJECT: SUMMARY OF MARCH 20, 2001, PUBLIC MEETING IN SAN LUIS
OBISPO, CALIFORNIA, TO DISCUSS THE DIABLO CANYON POWER
PLANT INDEPENDENT SPENT FUEL STORAGE INSTALLATION

On March 20, 2001, Nuclear Regulatory Commission (NRC) staff from the Spent Fuel Project Office, Office of Nuclear Reactor Regulation, and Region IV conducted a public meeting in San Luis Obispo, California, to discuss the NRC's regulatory oversight of a proposed independent spent fuel storage installation (ISFSI) for the Diablo Canyon Power Plant. Pacific Gas and Electric (PG&E) plans to construct and operate an ISFSI at Diablo Canyon using a site specific license in accordance with the Code of Federal Regulations, Title 10, Part 72, "Licensing Requirements for the Independent Storage of Spent Nuclear Fuel and High Level Waste." The meeting was noticed on March 6, 2001.

The meeting was held at the request of San Luis Obispo County officials and was moderated by the Chairman of the County Board of Supervisors. The meeting commenced at 6:00 P.M. with an open house where representatives from NRC and the licensee had displays and were available for questions. The open house was followed with formal presentations by PG&E, NRC, and the county Department of Planning and Building at 7:00 P.M. The formal portion of the meeting was video taped for later showing on the local county cable TV access channel. The meeting was attended by about 30 members of the public.

The PG&E presentation focused on construction of the ISFSI at Diablo Canyon (see Attachment 1 for slides). The NRC presentation described the legislation, history, and current status of ISFSIs in the United States; the 10 CFR Part 72 site-specific licensing process under which Diablo Canyon is planning to implement dry cask storage; the NRC staff's safety review process; and the NRC inspection program conducted for dry cask storage activities (see Attachment 2 for slides). The county Department of Planning and Building discussed its role in evaluating PG&E's environmental report for the construction of the ISFSI.

The NRC staff responded to approximately 15 comments and questions from the audience, and provided a handout (see Attachment 3) on NRC resources for information, including the NRC website and the NRC Public Document Room. In addition, two individuals from the public provided written statements to NRC supporting the construction and use of the ISFSI. These statements are provided in Attachment 4. These written statements were also supported by

Car Group. Some members of the public stated that they believed the construction of the ISFSI at Diablo Canyon was the best current solution to store the spent fuel and cited concerns with transportation as the reason for leaving the spent fuel at the Diablo Canyon site. In addition, a representative from House of Representatives Member Lois Capps' staff attended the meeting and at the conclusion verbally notified NRC that the Honorable Lois Capps will likely request a meeting with NRC staff sometime during the license review process.

The meeting was adjourned at approximately 10:00 P.M. The staff strongly encouraged the meeting attendees to complete and return the NRC public meeting feedback forms.

Docket Nos. 50-206, 361, and 362; 72-1029

- Attachments: 1. PG&E Slides
- 2. NRC Slides
- 3. NRC Handout
- 4. Written Statements from the Public

cc: Service List

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OFC:	SFPO	E	SFPO	C	SFPO	C				
NAME:	TKobetz	<i>[Signature]</i>	EZiegler	<i>[Signature]</i>	TM...	<i>[Signature]</i>				
DATE:	04/11/01		04/12/01		04/15/01					

S. Frant

-2-

other members of the public including Mothers for Peace which concluded that the construction of the ISFSI at Diablo Canyon was the best current solution to store the spent fuel citing concerns with transportation as the reason that the spent fuel should be stored at the Diablo Canyon site. A representative from House of Representatives Member Lois Capps' staff attended the meeting and, after the meeting, verbally notified NRC that the Honorable Lois Capps will likely request a meeting with NRC staff sometime during the license review process.

The meeting was adjourned at approximately 10:00 P.M. The staff strongly encouraged the meeting attendees to complete and return the NRC public meeting feedback forms.

Docket Nos. 72-26

Attachments: 1. PG&E Slides
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4. Written Statements
from the Public

cc: Service List

Attachment 1
PG&E Slides

Diablo Canyon Power Plant

Used Fuel Storage Project

Jearl Strickland
Program Manager

Project Overview

- Diablo Canyon started commercial operation in 1985
- Licensed to operate until the year 2021/2025
- Used fuel is currently stored on-site using “Wet Storage” technology
- Added Wet Storage capacity in the late 1980’s
- Additional storage capacity required in 2006

Project Overview

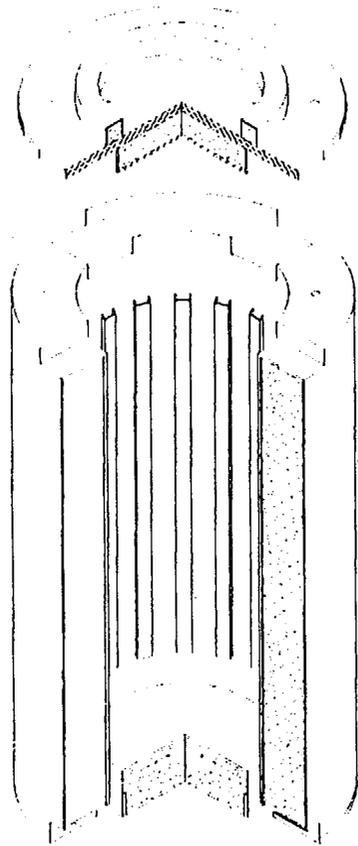
Options for increasing storage capacity

- Replace existing wet storage system with higher-density racks
- Provide on-site dry storage capabilities

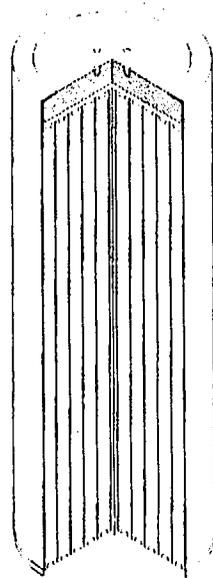
Project Overview

- Dry Storage option selected for development
- Holtec International selected as the dry storage system vendor
 - Industry leader
 - Dry storage system licensed by the NRC
 - Currently in use at other nuclear facilities
- Facility will accommodate up to 140 storage units

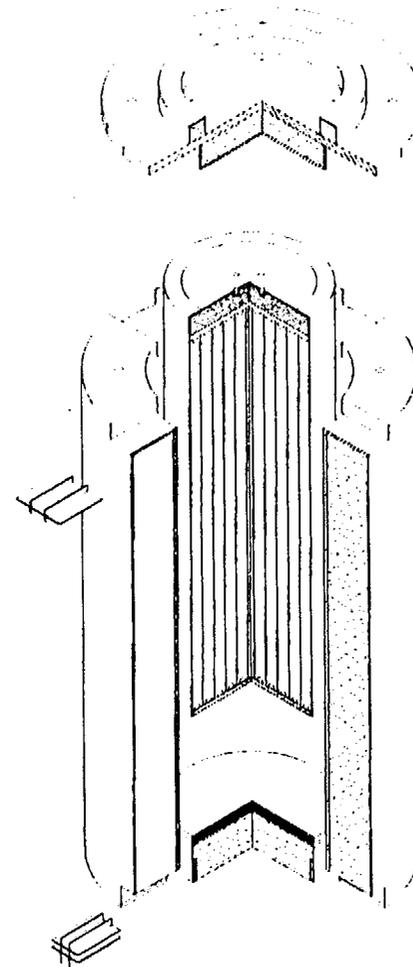
Holtec Storage System

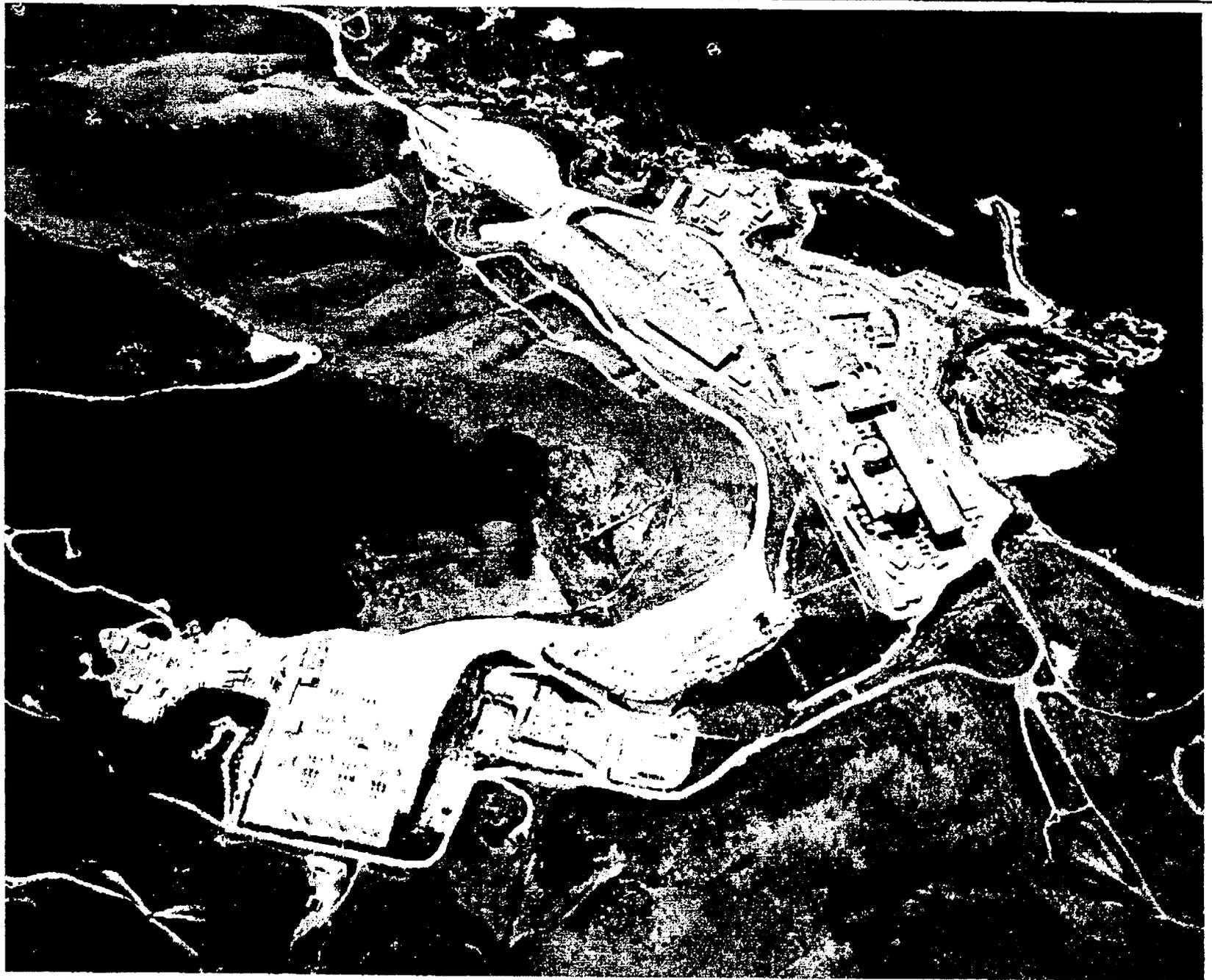


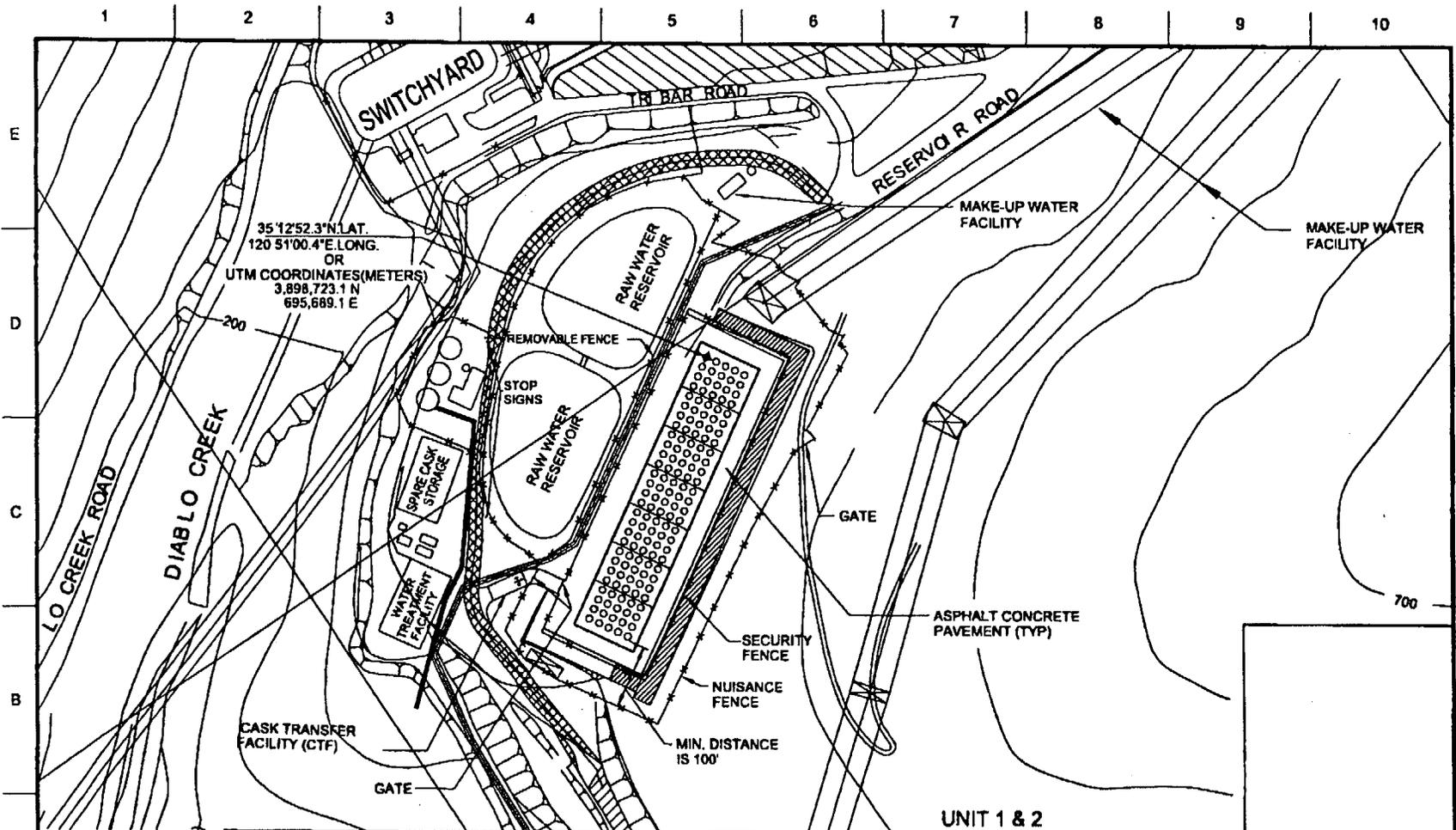
Overpack



Canister







DATE	DESCRIPTION	COORDINATION
OWN.	-	NUCL. -
R.E.	-	MECH. -
INDEP. VERIFIER	-	ELEC. -
P.E.	-	CIVIL -
		PIPING -
		I&C -

REVISION INFORMATION	

DIABLO CANYON ISFSI STORAGE LAYOUT

 DIABLO CANYON POWER PLANT
 PACIFIC GAS AND ELECTRIC COMPANY
 SAN FRANCISCO, CALIFORNIA

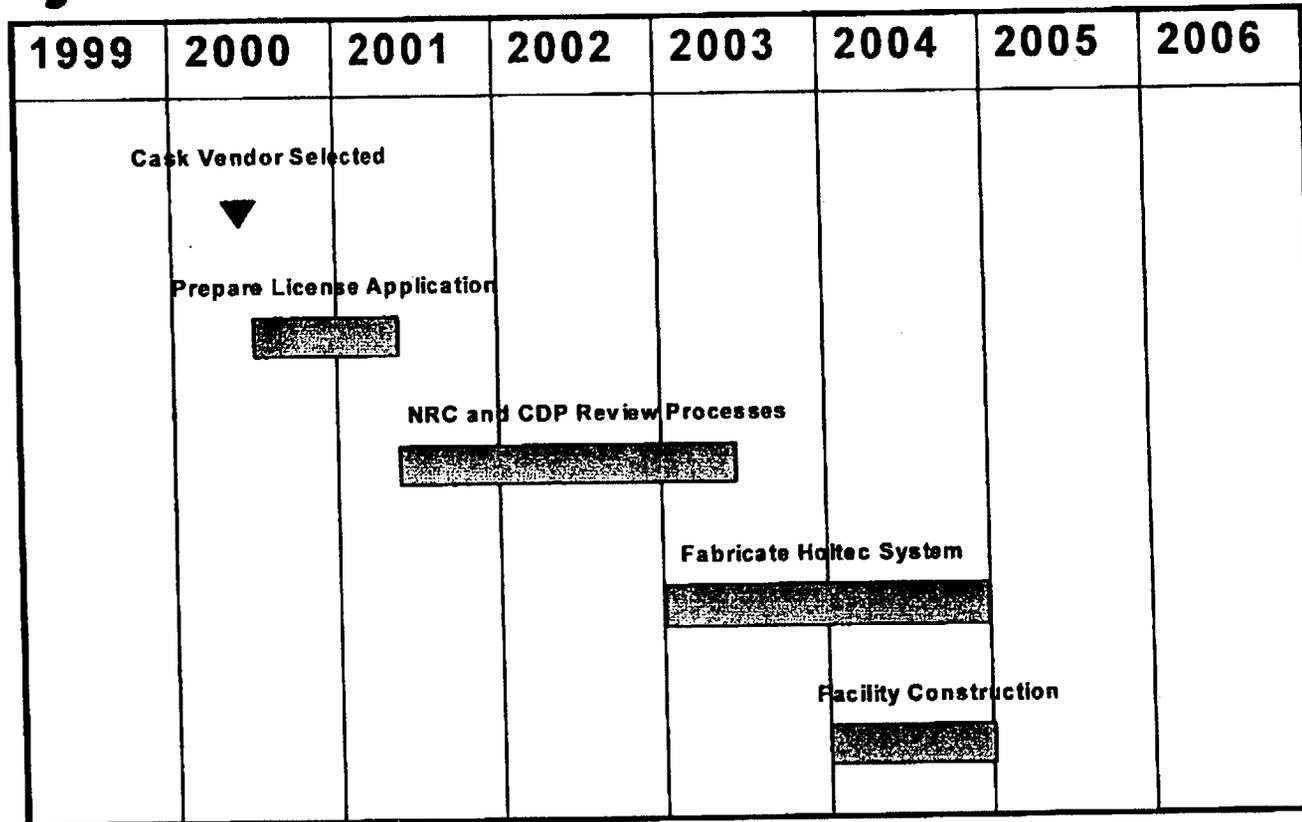
DWG SCALE	
BILL OF MATL.	
SUPSDS	
SUPBD BY	
SHEET NO. - OF	
FIG 4.1-2	REV A



Regulatory Process

- NRC Licensing submittals
 - Facility Development (10CFR Part 72) submittal in April 2001
 - Power Plant Modifications (10CFR Part 50) submittal in May 2001
- Coastal Development Permit application
 - Submittal in April 2001

Projected Schedule for DC ISFSI



Project Information and Public Input

Project Information

- Briefing packages
- Internet Web site (April 2001)
- Public document room (Cal Poly Library)
- PG&E Community Center Display (July 2001)

Public Input

- Group briefings
- NRC Review process
- Coastal Development Permit process

Attachment 2
NRC Slides

INDEPENDENT SPENT FUEL STORAGE INSTALLATIONS



Spent Fuel Project Office
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Tim Kobetz - Project Manager
(301) 415-8538

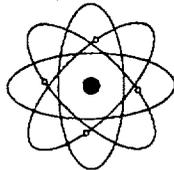
Why the NRC is Here Today

- Explain the establishment of dry cask storage
- Explain the Mission of the NRC
- Answer Questions

Why was Dry Cask Storage Established?



- Atomic Energy Act
- Nuclear Waste Policy Act



The Mission and Goals of the NRC for Nuclear Waste

- Mission
 - ▶ Protect the public health and safety
 - ▶ Protect the environment

How can I be sure Dry Cask Storage is Safe?

- Licensing requirements
- Technical review process
- Public participation

Seismic Evaluations

- NRC assembled team of experts
- Utility responsibility to select cask
- NRC inspections

Public Participation

- Diablo Canyon review process
- Public hearings
- Holtec Hi-Storm rulemaking
- Identifying safety concerns

Visit the NRC



Regional Inspection Program

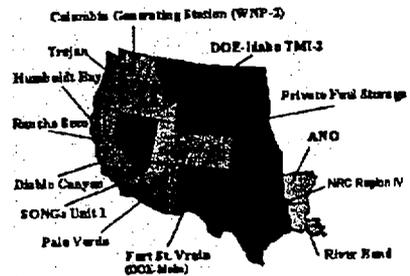
J. V. Everett, Senior Inspector

Fuel Cycle & Decommissioning Branch

NRC Region IV

Region IV ISFSIs

- Operational
- Near operational or construction phase



Site	Cost Model
Trojan	BNFL Transfer
ANO	VSC 24
FBV	Fossil Wholesale
DOE TMI-2	NJ Home 12Y
Rancho Seco	Aljeme
SONGS 1	Advanced Aljeme

HOW NRC ENSURES SAFETY

- REGULATIONS, SAFETY STANDARDS, TECHNICAL SPECIFICATIONS, ETC.
- SAFETY EVALUATIONS AND LICENSING
- INSPECTION AND ENFORCEMENT

OBJECTIVES OF THE NRC INSPECTION PROGRAM

- VERIFY SAFE CONDUCT OF ACTIVITIES
- VERIFY ADEQUACY OF LICENSEE CONTROLS
- EXAMINE TRENDS IN LICENSEE PERFORMANCE

NRC INSPECTION STAFF

- **HIGHLY TRAINED AND QUALIFIED**
- **RESIDENT INSPECTORS**
- **REGION BASED INSPECTORS**
- **TECHNICAL AREA EXPERTS**

INSPECTION PROCEDURES FOR DRY CASK STORAGE

- **ONSITE FABRICATION OF COMPONENTS AND CONSTRUCTION (IP 60853)**
- **DESIGN CONTROL OF COMPONENTS (IP 60851)**
- **PREOPERATIONAL TESTING (IP 60854)**
- **OPERATIONS (IP 60855)**

MAJOR SAFETY AREAS INSPECTED FOR DRY CASK STORAGE

- **PLANT OPERATIONS**
- **RADIOACTIVE WASTE STORAGE AND HANDLING**
- **CONTROL OF HEAVY LOADS**
- **RADIATION PROTECTION**
- **SECURITY AND SAFEGUARDS**
- **EMERGENCY PREPAREDNESS**
- **MAINTENANCE AND SURVEILLANCE**
- **FIRE PROTECTION**
- **TRAINING**
- **ENVIRONMENTAL MONITORING**
- **QUALITY ASSURANCE**
- **ADMINISTRATIVE PROCEDURES**

POST INSPECTION ACTIVITIES

- **PROMPT NRC MANAGEMENT DEBRIEF**
- **DETERMINATION OF SIGNIFICANT FINDINGS**
- **ENFORCEMENT - IF NEEDED**
- **ISSUE INSPECTION REPORT**
 - **NRC inspection reports available to public at www.NRC.gov go to Reference Library, ADAMS, NRC Public Electronic Reading Room**
- **TRACK AND FOLLOW UP ON SAFETY ISSUES**

Attachment 3
NRC Handout

WWW.NRC.GOV



Dry Cask Storage (www.nrc.gov/OPA/drycask)

Public Electronic Reading Room
(www.nrc.gov/NRC/ADAMS)

Federal Register
(www.access.gpo.gov/su_docs/aces/fr-cont.html)

Rulemaking Issues
(ruleforum.llnl.cgi-bin/rulemake)

Atomic Safety and Licensing Board Panel
(www.nrc.gov/NRC/ASLBP/homepage.html)

Public Document Room
U.S. Nuclear Regulatory Commission

Public Document Room,
Washington, D. C., 20555.
1-800-397-4209 PDR@NRC.GOV
Users should include a phone number in all textual
communication in order to facilitate prompt
follow-up by PDR staff..

NRC contact for the Diablo Canyon Independent
Spent Fuel Storage Installation

Tim Kobetz,
Project Manager
Spent Fuel Project Office
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Phone: 301-415-8538

Public opportunity to request a hearing on the Diablo Canyon Independent Spent Fuel Storage Installation

- After receipt from PG&E (tentatively April 2001) NRC notice the application in the Federal Register.
- The public has 30 days after notice in the Federal Register to notify NRC of its intention to request a hearing.

Holtec High-Seismic Modification Review Schedule

The following schedule is only valid if no significant technical issues are identified during the NRC review process or rulemaking.

November 2001

- Staff complete safety evaluation and initiate rulemaking

January or February 2002

- Issue rule for public comment
- Public comment period will be 30 days.

March or April 2002

- Complete rulemaking, issue final Safety Evaluation Report and Certificate of Compliance

Attachment 4
Written Statements
from the Public

BOARD OF SUPERVISORS



COUNTY GOVERNMENT CENTER, Room 370 • SAN LUIS OBISPO, CALIFORNIA 93408-2040 • 805.781.5450

SHIRLEY BIANCHI
SUPERVISOR DISTRICT TWO

March 20, 2001

United States Nuclear Regulatory Commission
Timothy Kobetz
Mail Stop O13D13
Washington, D.C. 20555-0001

Attn: Tim Kobetz

Dear Commissioners,

I am the Interim Chair of a local committee, Nuclear Waste Management Committee. For many years we have been investigating the difficulties of transporting spent nuclear fuel out of the Diablo Canyon Nuclear Power Plant area and then out of the county. We focused our efforts entirely within San Luis Obispo County.

Our conclusion was that the safest solution to the problem of the storage of spent nuclear fuel was above ground, dry-cask storage at the plant. Therefore, we are quite pleased that PG&E and the Nuclear Regulatory Commission have "seen the light."

We will, of course, continue to monitor this new process. We have found over the years that public scrutiny is the best and safest way to proceed with any governmental effort.

Thank you for this opportunity to comment.

Sincerely,

SHIRLEY BIANCHI
Supervisor, District Two



Green Party of California

SLO GREEN PARTY, P.O. BOX 13244, San Luis Obispo, Ca. 93406

Comment on behalf of the San Luis Obispo (SLO) GREEN Party

at

**NRC Meeting on March 20, 2001 in San Luis Obispo
Installation of an Independant Spent Fuel Storage Installation
(ISFSI)
at the Diablo Canyon Nuclear Power Plant**

by **Klaus Schumann,**
Member of the SLO chapter of
California GREEN Party and
Member of the SLO Nuclear Waste
Management Committee (NWMC).

26 Hillcrest Drive, Paso Robles, Ca. 93446 Ph.+Fax: (805) 238-4454, E-Mail:
jayklaus@msn.com

We request that the following comments and references be included in the official record. We refer to the written and verbal comments by Klaus Schumann on behalf of the SLO Green Party at the U.S. Department of Energy Draft EIS hearings for the Geologic Repository for Spent Nuclear Fuel at Yucca Mountain, Nevada in Las Vegas, Nevada on 1/11/2000.

Page 1 of 2
(over)

SLO GREEN PARTY COMMENTS

Like GREEN Parties everywhere on Earth, the SLO GREEN Party opposes nuclear power and wishes that nuclear wastes had never been produced. There is only one solution to a safe storage of "spent fuel" and that is: STOP PRODUCING IT NOW! To stop now would still avoid 2/3 of the entire mess. How much sense does it make to continue with a technology which benefits just one or two generations but then burdens the next 8,000!?! Without bail-outs, nuclear power cannot economically compete in a deregulated market and is easily replaced with safer and environmentally benign technologies.

However, we do recognize that about 1/3 of the "spent fuel" is already there and has to be dealt with whether we like it or not. It is in this context that our comments must be understood.

Basically, we demand that the NRC consider PG&E's license application only for the "spent fuel" which has already accumulated in the existing pools. We must remember what "spent fuel" is: an extremely radioactive substance which would kill an unprotected person standing next to it within seconds. With every day of continued operation Diablo will produce more of this substance which will remain toxic for at least 250,000 years. There are already about 1,600 "Spent fuel" assemblies stored at Diablo. Each assembly contains the equivalent of 10 Hiroshima bombs in long-lived radioactivity, which translates to the equivalent of 16,000 Hiroshima bombs already stored on-site at Diablo at the present time. You must not allow PG&E to add to this staggering amount.

We concede that for the already accumulated "spent fuel", on-site, monitored dry cask storage, if done correctly, is probably the least of all evils. We are concerned that the present energy crisis and PG&E's financial status could lead to a slackening of safety and environmental standards. Your decision must be based solely on health and safety considerations for the people residing in SLO County.

In addition, we have a host of specific concerns ranging from earthquake resistance and terrorist attack protection to cask design and monitoring requirements. We will address these concerns at the appropriate times during the license procedure.

The present energy crisis should teach us one thing however: let's be wary of so-called solutions cooked up between government regulators and the utilities! Of course, a sensible national energy policy based on conservation and a shift to renewable sources, such as promoted by the Green Party, would have avoided the present energy crisis altogether. Moreover, nuclear wastes would have never been produced.

For the SLO GREENS



March 20, 2001

Klaus Schumann
(805) 238-4454

Page 2 of 2

Diablo Canyon Power Plant, Units 1 and 2

cc:

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Diablo Canyon Nuclear Power Plant
c/o U.S. Nuclear Regulatory Commission
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Sierra Club California
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Ms. Nancy Culver
San Luis Obispo
Mothers for Peace
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Pismo Beach, CA 93448

Chairman
San Luis Obispo County Board of
Supervisors
Room 370
County Government Center
San Luis Obispo, CA 93408

Mr. Truman Burns
Mr. Robert Kinosian
California Public Utilities Commission
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San Francisco, CA 94102

Mr. Steve Hsu
Radiologic Health Branch
State Department of Health Services
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Sacramento, CA 94327-7320

Diablo Canyon Independent Safety
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Mr. Robert A. Laurie, Commissioner
California Energy Commission
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Sacramento, CA 95814

Ms. Charlotte Alexander
Vice President, Special Projects
Green Car Group
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San Luis Obispo, CA 93401

Ellen Carroll
Environmental Coordinator
Department of Planning and Building
County of San Luis Obispo
County Government Center, Room 310
San Luis Obispo, CA 93408

The Honorable Lois Capps
Member, United States
House of Representatives
ATTN: Greg Hass, District Representative
1411 Marsh Street
San Luis Obispo, CA 93401