SAN ONOFRE
COMMUNITY
ENGAGEMENT
PANEL

Community Engagement Panel
Regular Meeting

SONGS Emergency Preparedness and Offsite Agency Support

Thursday, June 12, 2025
5:30 – 7:30 pm PT via Microsoft Teams
Link available on the CEP meeting webpage at songscommunity.com

THIS MEETING IS BEING RECORDED

Agenda Topics	Presenter(s)	Time
CEP and SCE Opening Comments • Welcome, how to submit questions, sign up for public comment • Topics being presented and read-only content • SONGS "Big Picture" - decommissioning principles, major workstreams and schedule	Dan Stetson, CEP Chair Fred Bailly, SCE VP of Generation and Chief Nuclear Officer	5:30 – 5:35
CEP General Community Updates • Keystone / Department of Energy consortia workshop • Diablo Canyon Power Plant tour • Ted Quinn tour of SONGS plant	Dan Stetson Martha McNicholas, CEP Secretary	5:35 – 5:45
SONGS Emergency Preparedness and Offsite Agency Support • Our mission • Reduced risks and lower severity levels • State of readiness • SONGS onsite and offsite emergency response actions	Jeff Carey, Emergency Planning Coordinator	5:45 – 5:55
Orange and San Diego County Emergency Planning and Response	Michelle Anderson, Director of Emergency Management Division, Orange County Sheriff's Dept. Julie Jeakle, Acting Director Office of Emergency Services, County of San Diego Public Safety Group	5:55 – 6:05
SONGS Seismic Safety and Holtec UMAX Inspection Follow-up	Jerry Stephenson, SCE Engineering Manager	6:05 – 6:15
SONGS Environmental Update	Ron Pontes, SCE Environmental Oversight and Site Closure Manager	6:15 – 6:20
Break		6:20 – 6:25
Public Comment Period and Facilitated Dialogue	Victor Cabral Martha McNicholas	6:25 – 7:25
CEP and SCE Closing Comments	Dan Stetson Fred Bailly	7:25 – 7:30
Contents of Appendix: Read-Only Topics and Reference Material • Spent Fuel Solutions update, SONGS dismantlement and batch release updates		

Public Comment

Dan Stetson

SAN ONOFRE COMMUNITY ENGAGEMENT PANEL

Directions for the public comment period:

To submit comments and questions in writing:

- Use the CEP Comment Form

To sign up to speak:

- Use the CEP Comment Form

Comments and questions will be addressed in the order received

Victor Cabral and Martha McNicholas will facilitate

SONGS: Big Picture

Fred Bailly
SCE Vice President of Generation and Chief Nuclear Officer

Decommissioning Principles (more **here**)

1. Safety
2. Stewardship
3. Engagement

Major Workstreams

1. Dismantling above ground structures
2. Safely managing spent fuel onsite
3. Advocating for offsite storage and disposal

Current Phase of Dismantlement on Schedule for Completion YE2028

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General Community Updates

Dan Stetson

CEP Members

Dan Stetson

SAN ONOFRE COMMUNITY ENGAGEMENT PANEL

CEP Officers	Organization
Dan Stetson, Chairman	Trustee and Executive Director, Nicholas Endowment
Honorable Victor Cabral, Vice Chairman	Council Member, City of San Clemente
Martha McNicholas, Secretary	Community Member
CEP Members	
Michelle Anderson	Director, Emergency Management Division, Orange County Sheriff's Department
Mike Balsamo	SVP, Government Relations, Rancho Mission Viejo/Board Member, South OC Economic Coalition
Garry Brown	President and CEO - Orange County Coastkeeper
Lisa Davis	President, Capistrano Unified School District Board of Trustees
Honorable Jim Desmond	Supervisor, San Diego County, 5th District
Honorable Katrina Foley	Supervisor, Orange County, 5th District
Rob Howard	City of Oceanside, Representative
Scott Kibbey	South Sector Superintendent, California State Parks, Orange Coast District
Val Macedo	Business Manager, Laborers International Union of North America, Local 89
Marni Magda	Sierra Club, Angeles Chapter
Ted Quinn	Former President - American Nuclear Society
Honorable John Taylor	Council Member, City of San Juan Capistrano, 4th District
Captain Mel Vernon	San Luis Rey Band of Mission Indians
Honorable Michael Villar	Council Member, City of Dana Point, 5th District
Daniel Whitley	Community Plans and Liaison Officer, Camp Pendleton

CEP Community Updates

Dan Stetson and Martha McNicholas

SAN ONOFRE COMMUNITY ENGAGEMENT PANEL

- Keystone / Department of Energy (DOE) Consortia Initiative and Workshop – March 26
  - Purpose: to transfer knowledge from communities living with spent nuclear fuel to communities that may opt to participate in collaboration-based siting for federal consolidated interim storage facilities
  - CEP members participated in the regional workshop and provided feedback on the importance of engaging with communities, building trust though transparency, and responding to public concerns
- Dan Stetson and Martha McNicholas toured Diablo Canyon Nuclear Plant – April 1
- SCE hosted Ted Quinn at SONGS – April 2
  - Observed Unit 3 reactor vessel lift and segmentation activities

CEP Community Updates

Dan Stetson

SAN ONOFRE COMMUNITY ENGAGEMENT PANEL

House Appropriations Committee Holds Hearing on the Department of Energy Budget

CEP Community Updates

Dan Stetson

SAN ONOFRE COMMUNITY ENGAGEMENT PANEL

Department of Energy (DOE)
High Burnup Research Cask (HBUC)
Transportation Cask Demonstration Project

2027 shipment of HBUC from North Anna Power Station in Virginia to Idaho National Lab

National Transportation Stakeholder's Forum
Featuring DOE
Wednesday, June 18 at Noon PT

REGISTER

Be informed about spent fuel transportation and
coordination with Federal, Tribal, and State government partners on emergency preparedness

SONGS Emergency Planning and Preparedness

Jeff Carey

Manager, Corrective Action Program/Emergency Planning Coordinator

Our Continued Mission

To protect the health and safety of the public and our workers

With all spent fuel in dry storage, no credible accident scenarios result in an offsite radiological release at SONGS

	Emergency Scenarios	Emergency Classification Levels
Operating reactors	82	4 Including General Emergency and Area Emergency
Defueled reactors	18	2 Unusual Event and Alert (least severe)
Dry storage only	3	2 Unusual Event and Alert (least severe)

Reduced number of scenarios

Lower severity

= Lower Risk

SONGS Emergency Plan

Emergency Classification Levels:
An operating plant has four classification levels: Unusual Event, Alert, Site-Area Emergency, and General Emergency (listed here from least to most severe)

- ISFSI-Only sites have only two classification levels (lowest [least severe] of the four)

• **Unusual Event -** (Lowest emergency class) indicates a potential problem with operation of the facility. No offsite radioactive release. Officials are notified.

1. Damage to a loaded spent fuel canister
   - » There is no release mechanism for the contamination to go beyond the site boundary.

2. Security threat directed at the site

• **Alert -** Indicates an event that could reduce the plant's level of safety. No offsite radioactive release. Officials are notified.

3. Hostile action within the ISFSI

State of Readiness

- Maintain 24/7 on-shift trained and qualified emergency responders

- Maintain proficiency through required emergency response drills and training
  - Emergency classification and notification of offsite agencies
  - Radiological assessment and mitigation
  - Fire and medical response with Camp Pendleton Fire Department (CPFD) and agreement hospitals

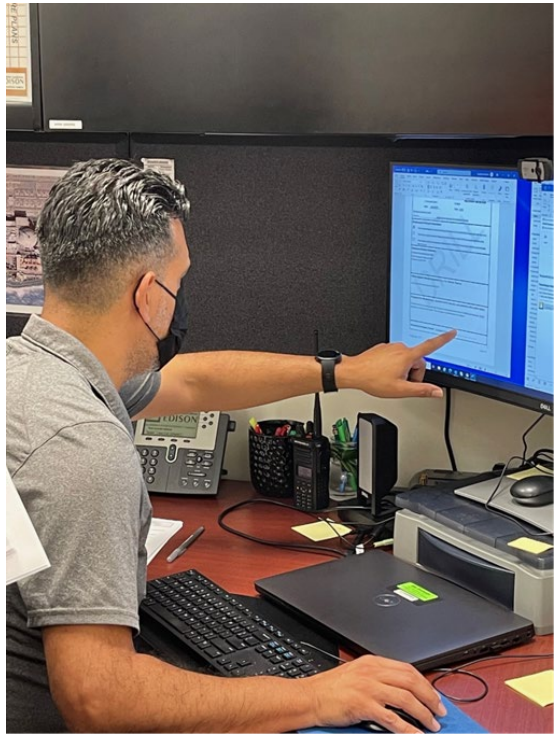
- Ensure prompt notification of state and local agencies (California Office of Emergency Services, Orange County, San Diego OES, CPFD)
  - 15-minute electronic notification
  - 60-minute verbal notification

- Maintain written agreements with the following offsite emergency response organizations
  - Camp Pendleton Fire and Medical: firefighting, rescue, medical response and transport
  - Law Enforcement: State Parks, CHP, CPFD, FBI, Orange County Sheriff's Department
  - Mission Hospital and Tri-Cities Medical Center: treatment of contaminated, injured workers

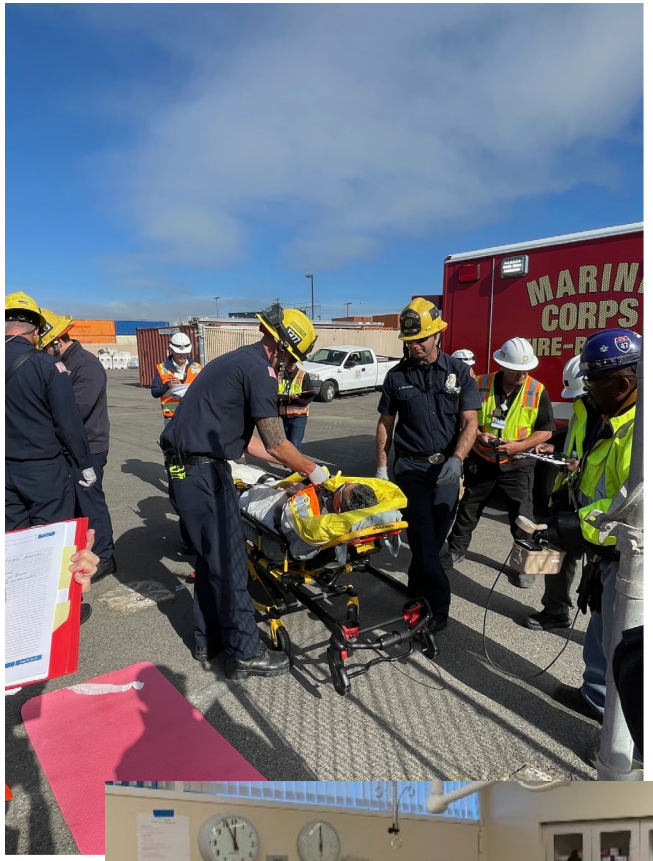
CHP – California Highway Patrol
FBI – Federal Bureau of Investigation
OES – Office of Emergency Services

SONGS Onsite and Offsite Emergency Response Actions

- SCE will provide protective action to onsite personnel and recommendations to offsite agencies, if applicable.
- In the very unlikely event of a canister breach, on-site actions will be taken to control the spread of contamination if detected.
- Local city/school officials receive direction from the respective county emergency response leadership for all protective action decisions deemed necessary to protect the health and safety of the public.
- State, federal, and local agencies may perform independent radiological monitoring around the site at their discretion.



THIS IS A DRILL



SONGS Community Website

- For more information on SONGS Emergency Planning, please visit the website at: https://www.songscommunity.com/safety/emergency-planning-during-decommissioning

Safety & Emergency Planning for SONGS Decommissioning

We have no higher priority than safety at San Onofre. As one of our decommissioning principles, every day our focus is to protect the health and welfare of our employees and the public.

Emergency Planning During Decommissioning

The Nuclear Regulatory Commission has approved a revised emergency plan for the San Onofre nuclear plant that reflects the plant's permanent shutdown and all spent nuclear fuel assemblies in dry storage. Most potential accident scenarios related to an operating plant are no longer possible at San Onofre. The dry storage of spent nuclear fuel at SONGS is designed to maintain the safety and confinement of the fuel. When the plant was operating, there were 82 emergency action levels at SONGS. With all the spent fuel is in dry storage, there are 3. None involve an off-site radiological release, even as a result of outlier events such as earthquakes and aircraft impacts.

More about emergency planning during Decommissioning

SONGS Community Engagement Panel Meeting

Off-site Agency Response

May 2025

Michelle Anderson
Director of Orange County Emergency Management Division
Julie Jeakle
Acting Director, San Diego County Office of Emergency Services

Interjurisdictional Planning Committee Overview

- Established in 1982
- Meets monthly
- Unique partnership between government and private industry
- Dedicated to ensure public health and safety
- Writes and approves policies, plans and procedures

Mission, Goals/Objectives

Mission

- Promote nuclear power preparedness through agency coordination and integration of emergency plans

Objectives/Goals

- Coordinate Planning Efforts
- Purchase Equipment
- Conduct Training
- Participate in Exercises and Drills
- Correct Outstanding Areas Requiring Corrective Action Identified During Training and Exercises

IPC Membership

IPC Primary Members

- County of Orange
- County of San Diego
- City of San Clemente
- City of Dana Point
- City of San Juan Capistrano
- California State Parks
- USMC Camp Pendleton
- Southern California Edison

IPC Associate Members

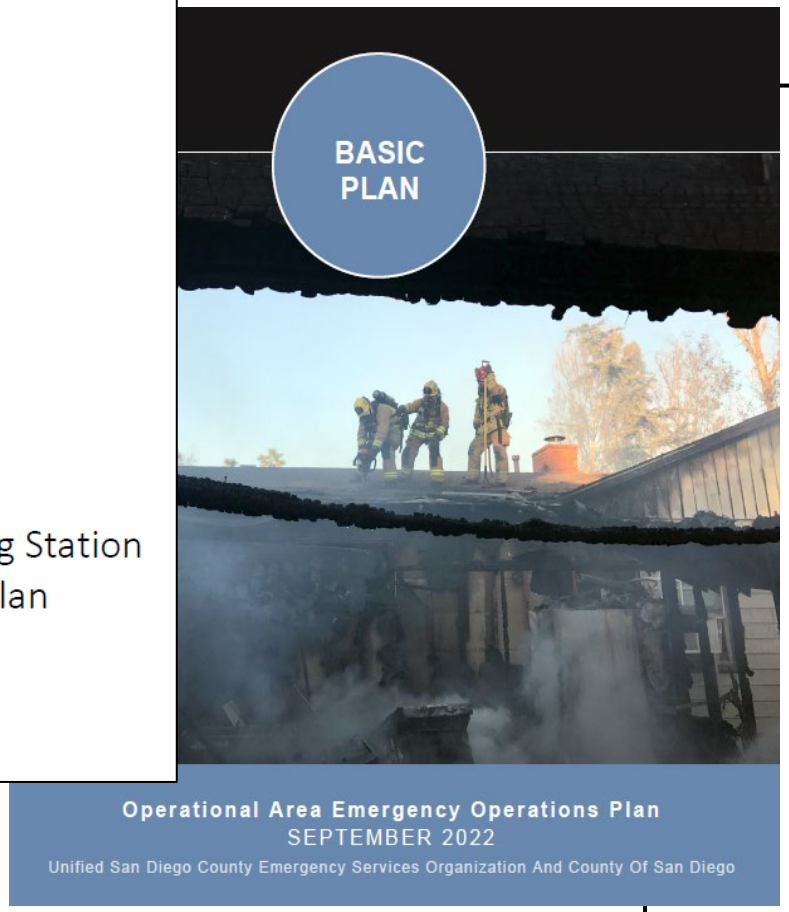
- America Red Cross
- California Highway Patrol
- Capistrano Unified School District
- Mission Hospital & Medical Center
- Orange County Fire Authority
- City of Oceanside Fire Department

Emergency Plans and Interjurisdictional Policies (IPs)

County of Orange

San Onofre Nuclear Generating Station
Emergency Operations Plan

May 2024



INTERJURISDICTIONAL POLICIES
For an Emergency at the
San Onofre Nuclear Generating Station

February 2022

Interjurisdictional Policies (IPs)

IP#4 – Notification

- SCE provides an initial courtesy emergency event notification via e-mail to Orange and San Diego Counties, Marine Corps Installations West-Marine Corps Base Camp Pendleton, and Cal OES within 15 minutes of declaration of any emergency or upgrade of an emergency classification.
- SCE provides the regulatory notification by telephone within one hour of the emergency declaration to the following agencies:
    - Orange County
    - San Diego County
    - Marine Corps Installations West-Marine Corps Base Camp Pendleton
    - California Office of Emergency Services
    - Nuclear Regulatory Commission

Interjurisdictional Policies (IPs)

IP#4 – Notification (continued)

Orange County

Orange County Sheriff's Department Communications (Control One) will be the primary location for the receipt of SONGS notifications for the County until the Emergency Operations Center (EOC) is activated and assumes control of the incident.

Control One will make the appropriate notifications to internal and external agencies including responsible officials of the cities of Dana Point, San Clemente, San Juan Capistrano and State Parks during and after normal working hours.

Interjurisdictional Policies (IPs)

IP#5 – Decision Makers Conference Call Guide

In accordance with IP #1, Direction and Control:

The IPC Chairperson normally facilitates conference calls among IPC agency decision makers during an emergency; however, any Primary IPC member may facilitate the conference calls. The normal line of succession for Conference Call Facilitator (CCF) shall be as follows:

a. Orange County representative
b. San Diego County representative
c. Any Primary member in need of initiating a conference call

*** IPC continues to hold Decision Maker Conference call drills biannually

Interjurisdictional Policies (IPs)

IP#9 – Radiation Monitoring and Assessment

Radiation Monitoring Teams

- Radiation Monitoring (RADMON) teams are provided by the Orange County Fire Authority (OCFA) and by the Camp Pendleton Fire Department (MCP) with each providing at least one RADMON team.
- Additional RADMON teams may be provided by the Orange County Health Hazmat Team, or by the County of San Diego Hazardous Materials Incident Response Team (HIRT)

Interjurisdictional Policies (IPs)

IP#9 – Radiation Monitoring and Assessment

Offsite Dose Assessment Center (ODAC)

- ODAC functions as the technical offsite center to coordinate and make independent offsite environmental assessments, measurements, and radiological evaluations.
- ODAC receives technical data from offsite sources, and uses the summarized technical data in deploying RADMON teams and making recommendations to the offsite Emergency Operations Centers (EOCs)
- ODAC is staffed by personnel from the Orange County Health HazMat Team

ODAC & RADMON Drills

ODAC & RADMON continue to drill together biannually

*April 2025 Drill

Offsite Responders Familiarization Tours

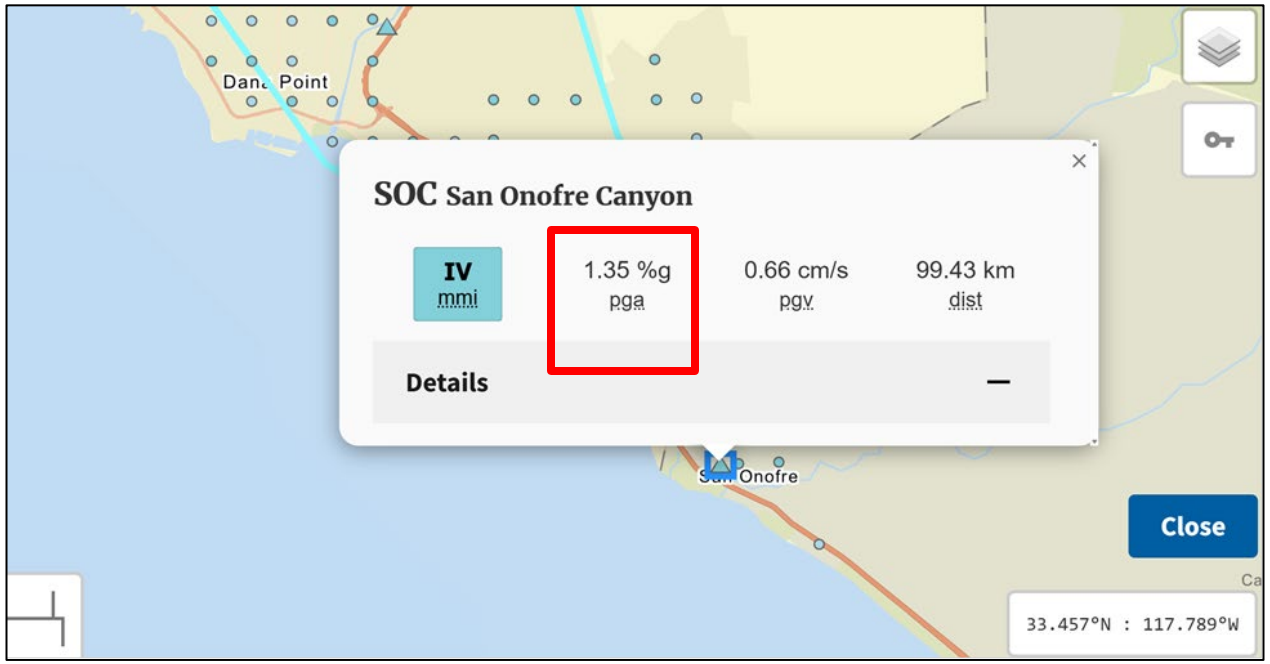
**August 2024 OC Health Care & City Anaheim Fire & Rescue Hazmat Teams*

SONGS Seismic Safety

Jerry Stephenson
ISFSI Engineering Manager

SONGS Spent Fuel Remains Safely Stored During and After April 14 Earthquake in Julian, CA

- Inspections of the SONGS Independent Spent Fuel Storage Installation (ISFSI) were performed, and no damage was found.
- The spent nuclear fuel at SONGS continues to be stored safely.
- The San Onofre Canyon accelerometer is located just north of SONGS.
- The indicated peak ground acceleration (PGA) at this location from the earthquake was 1.35%g or 0.0135g (g refers to the force of gravity).
- The design basis for the ISFSI is 1.5g, which is built to withstand an earthquake ~100 times stronger than the one that occurred on April 14.



United States Geological Survey website www.usgs.gov

More information on seismic safety at SONGS is available at Seismic Safety at SONGS | SONGS

Holtec UMAX Spent Fuel Storage Inspection Follow-Up

Jerry Stephenson
Manager, ISFSI Engineering

General Observations: Holtec UMAX System

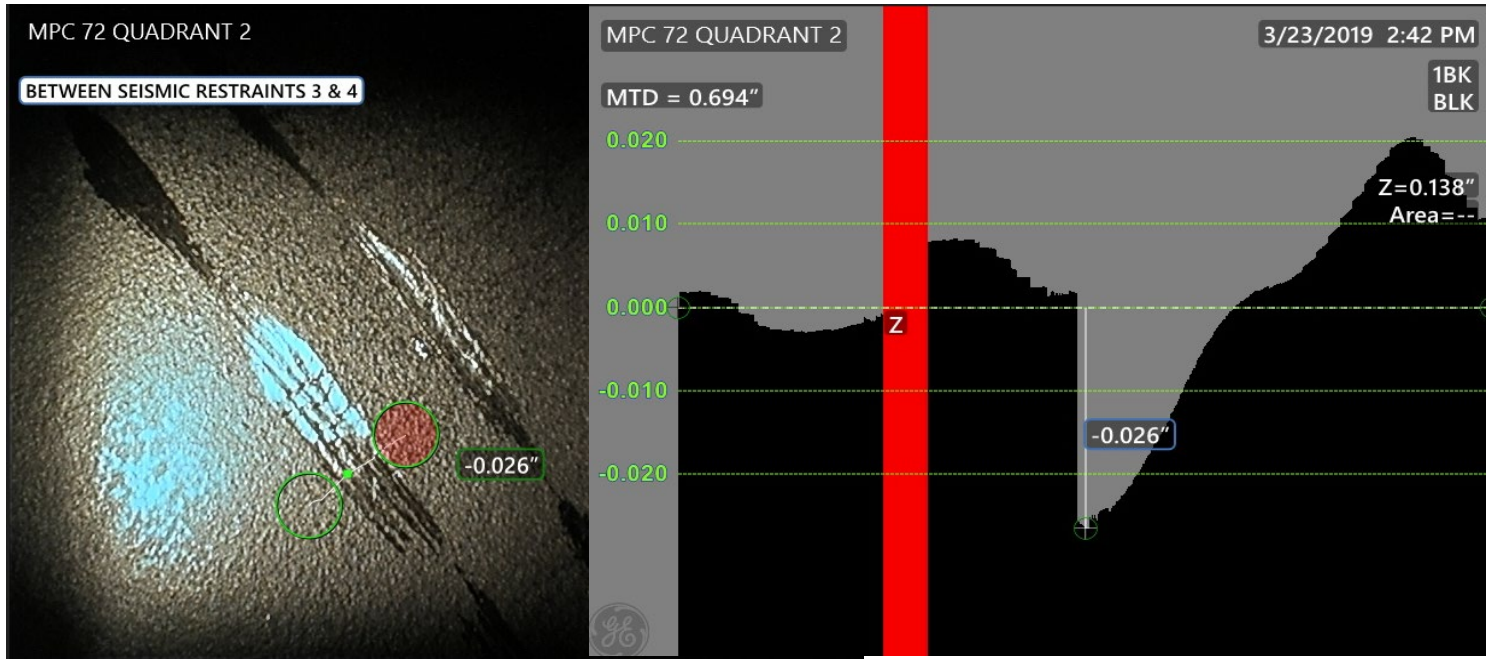
- Good overall condition
- Scratches on shell caused by seismic restraints:
  - No scratch carries safety significance
  - No corrosion observed in scratched areas
- Scuff marks caused by shield ring:
  - Minimal or no depth

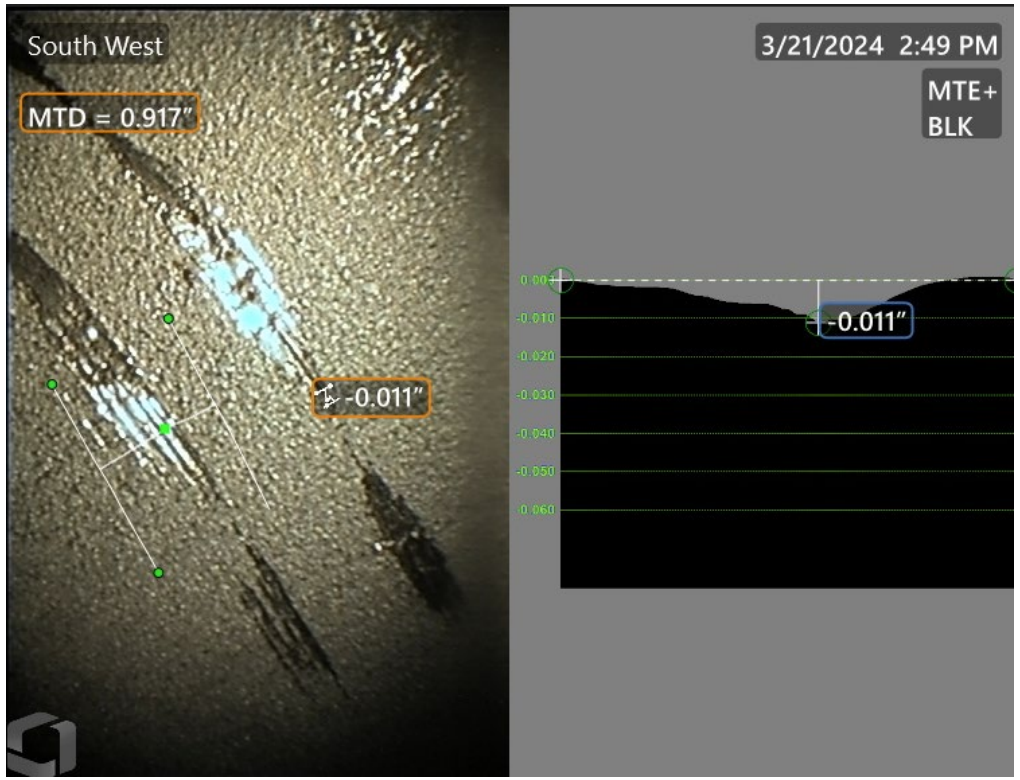
Reassessment of Scratch on MPC072

- In 2019, canister MP072 was believed to contain the deepest scratch observed during the inspection
- The accuracy of the scratch depth measurement (0.026”) was questioned based on warnings provided by the inspection system
  - Even at this depth, scratch would not require remediation
- SCE conservatively included the 0.026” scratch depth in the 2019 statistical analyses
- In 2024, SCE re-inspected the area of the 0.026” deep scratch and found that the scratch depth is actually 0.011”

2019 (left) vs. 2024 (right) Depth Measurements

- Original characterization in 2019. Notice the red dot on left image and vertical straight line, which indicates a possible erroneous reading..
- Remeasurement in 2024.





Conclusions

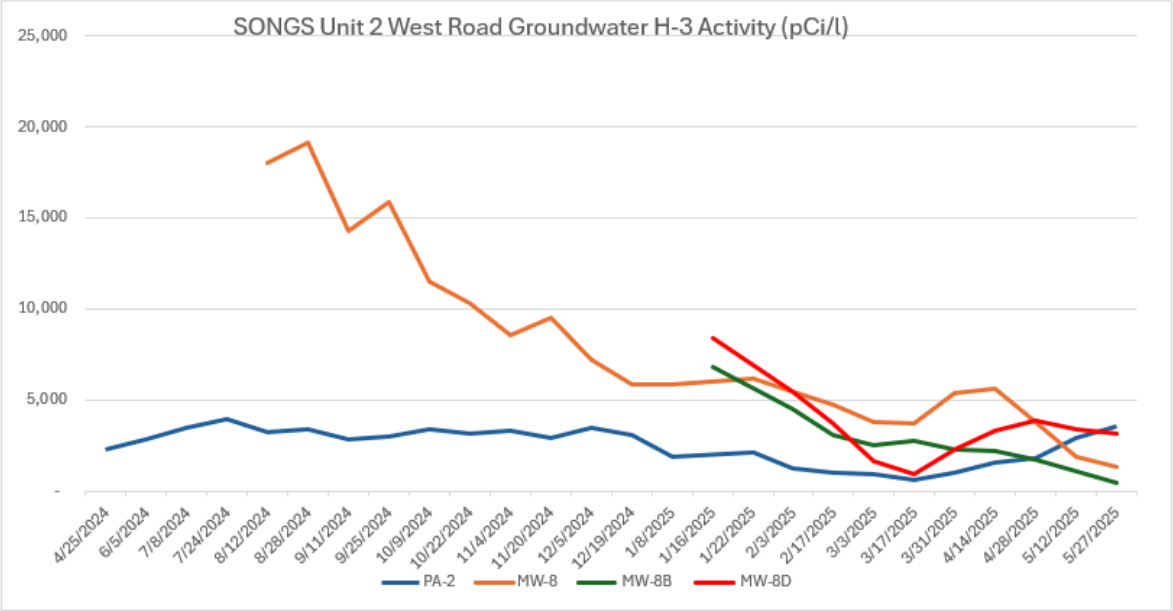
- Scratches are still bright and shiny, no evidence of corrosion or chloride-induced stress corrosion cracking precursor activity.
- Scratches are all shallow and not a challenge to the integrity of the canisters.
- No action required.
- Follow the specified inspection schedule:
  - Test canister only in 2027
  - Two canisters plus test canister in 2029

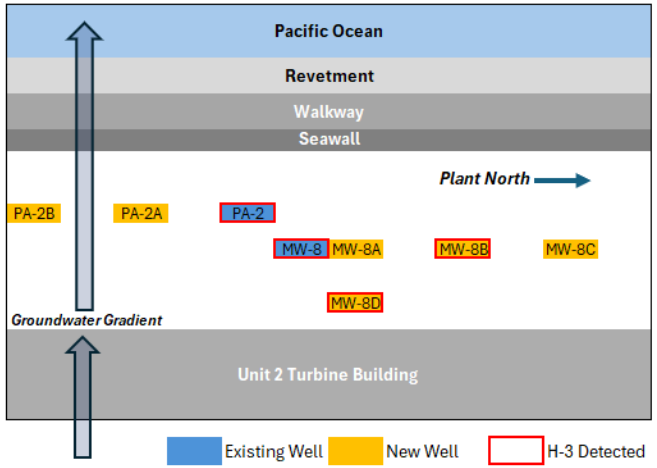
SONGS Environmental Update

Ron Pontes
General Manager, Site Closure and Environmental Oversight

Unit 2 Groundwater Tritium (H-3) Investigation Update

- Concentrations of H-3 continue to decline along the western side of Unit 2
- Enhanced monitoring will continue until H-3 falls below detection limits
- Suspected source is the Unit 2 main steam isolation valve trench (no longer used for water with H-3)
- Remediation (i.e., extraction) is not warranted
- The SONGS 2024 Annual Radioactive Effluent Release Report (ARERR) includes an assessment of H-3 released across the site boundary in accordance with NRC Reg Guide 4.25
  - The average concentration at the site boundary was less than 100pCi/l
  - The dose consequence is negligible compared to the very small dose (0.006 mrem) due to batch releases in 2024 or the SONGS annual dose limit (6 mrem) for liquid releases
  - For context, 28.4 curies were released during liquid batch releases in 2024
  - Compare that to the 0.008 curies released through groundwater flow across the site boundary in 2024





Link to Annual Radioactive Effluent Release Report: 2024 ARERR

Mineral Oil Leak During Delivery of Electrical Transformer

- On the morning of 4/23/25, SCE and SDS became aware of a mineral oil leak from a refurbished transformer being delivered to the SONGS site
- An estimated total 10-25 gallons leaked onto the ground in two areas, one near the entrance to San Onofre State Beach and the other on the north side of the SONGS parking lot
- Immediate actions were taken to isolate, control and mitigate the oil leakage
- No release to storm drains or waterways occurred
- Access to the beach was not interrupted
- Per site procedures notifications were made to several agencies, including CA Parks and Recreation (San Onofre State Beach), San Diego Dept. of Environmental Health, CalOES, and NRC
- The transformer supplier dispatched a team to drain residual oil from the transformer and removed the transformer and oil from the site
- A separate environmental cleanup team was dispatched by the supplier to the site on 4/24/25 to remediate both areas
- Remediation and removal actions were completed on 4/25/2025

CAL OES – California Office of Emergency Services
NRC – Nuclear Regulatory Commission
SDS – San Onofre Decommissioning*Solutions*

Surf's Up! Surfing Competition at LA28 Olympics Coming to San Onofre State Beach

Trestles Beach, part of San Onofre State Beach, will bring the planet's best surfers together to compete on the world's biggest stage for Olympic gold.

Want to know more? Click ***here*** for the California State Park's News Release, April 15, 2025

Photo Courtesy of California State Parks, 2025

Public Comment

Dan Stetson

SAN ONOFRE COMMUNITY ENGAGEMENT PANEL

Directions for the public comment period:

To submit comments and questions in writing:

- Use the CEP Comment Form

To sign up to speak:

- Use the CEP Comment Form

Comments and questions will be addressed in the order received

Victor Cabral and Martha McNicholas will facilitate

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BREAK

Speaker Queue:

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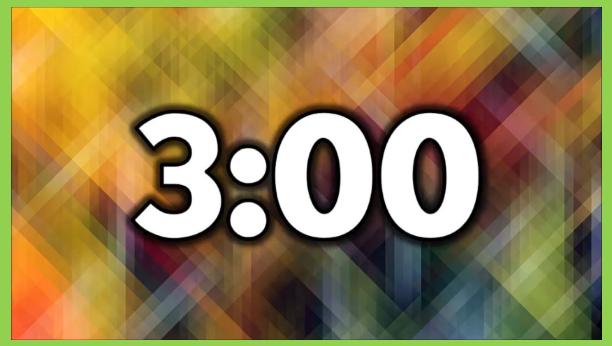
General Public Comment

To sign up to speak online use the CEP Comment Form

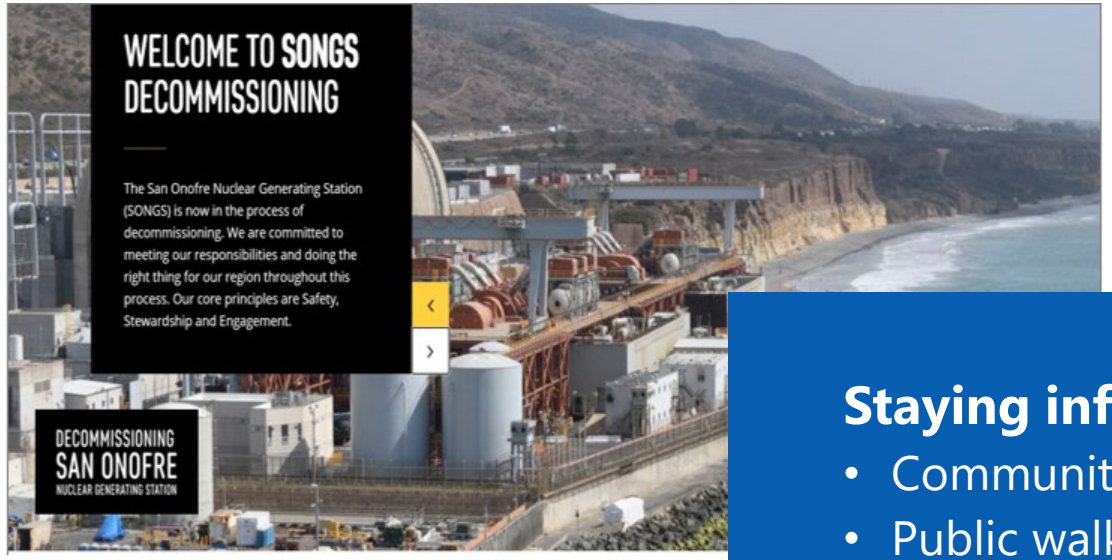


CLOSING COMMENTS

FRED BAILLY

Resources

Learn about decommissioning
www.songscommunity.com



Staying informed

- Community Engagement Panel meeting dates
- Public walking tour dates and sign ups
- Decommissioning blog and news updates
- SONGS community update email
- Facebook, YouTube, and Instagram

KEY TAKEAWAYS

DAN STETSON

2025 CEP Meetings and Topics

(future topics subject to change)

Preliminary Focus Topics	Dates (to be determined)
1Q CEP Regular Meeting DOE/Pacific Northwest National Lab Site-Specific De-Inventory Report and SONGS Spent Fuel Dry Cask Storage Inspections	March 20
2Q CEP Regular Meeting SONGS Emergency Preparedness and Offsite Agency Support	June 12
3Q CEP Regular Meeting SONGS Dismantlement Update by San Onofre Decommissioning*Solutions*	August 28
CEP Member Consultation Meeting & Tour	October 15
4Q CEP Regular Meeting DOE's Consent-Based Siting of CIS Facilities and Transition to Stage 2 "Expression of Interest"	November 13

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Thank you
Stay safe and healthy

Acronyms

ACM	Asbestos Containing Material
AHSM	Advanced Horizontal Storage Module
ALARA	As Low As Reasonably Achievable
AMP	Aging Management Program
AREOR	Annual Radiological Environmental Operating Report
ASME	American Society of Mechanical Engineering
C&D	Cold & Dark
CAP	Corrective Action Program
CCC	California Coastal Commission
CBS	Core Barrel Support
CCR	Current Conditions Report
CDP	Coastal Development Permit
CDPH	California Department of Public Health
CEC	California Energy Commission; Cavity Enclosure Container
CEP	Community Engagement Panel
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
CH&S	Corporate Health & Safety
CIS	Consolidated Interim Storage
CNO	Chief Nuclear Officer
CPEN	Camp Pendleton
CPUC	California Public Utilities Commission
CSLC	California State Lands Commission
D&D	Decontamination & Dismantlement
DA	Decommissioning Agreement; Decommissioning Agent
DCE	Decommissioning Cost Estimate
DGC	Decommissioning General Contractor
DGCL	Derived Concentration Guideline Levels
DID	Defense-in-Depth
DOE	Department of Energy
DoN	Department of Navy

DOR	Division of Responsibility
DPH	Department of Public Health
DSAR	Defueled Safety Analysis Report (replaces FSAR)
DSC	Dry Storage Canister
D-SEIS	Draft Supplemental Environmental Impact Statement
D-SER	Draft Safety Evaluation Report
DSFM	Division of Spent Fuel Management (NRC)
DTF	Decommissioning Trust Fund
DTSC	Department of Toxic Substances Control
EAL	Emergency Action Level
EH&S	Environmental, Health & Safety
EIR	Environmental Impact Report (under CEQA)
EIS	Environmental Impact Study (under NEPA)
EP	Emergency Plan
EPA	Environmental Protection Agency
EPRI	Electric Power Research Institute
ERO	Emergency Response Organization
ET	Experts Team
FA	Fuel Assembly
FEIR	Final Environmental Impact Report
FERC	Federal Energy Regulatory Commission
FSAR	Final Safety Analysis Report
FSS	Final Status Surveys
FSSR	Final Status Survey Report
FTO	Fuel Transfer Operations; Field Training Officer
GTCC	Greater Than Class C (Waste)
HAZ	Heat Affected Zone
HI-TRAC	Holtec International Transfer Cask
Hi-PORT	Holtec International Transporter
HI-STORM	Holtec International Storage Module
HSM	Horizontal Storage Module

Acronyms

IOEP	ISFSI-Only Emergency Plan
IPC	Interjurisdictional Planning Committee
IRMS	ISFSI Radiation Monitoring System
ISA	Industrial Security Area
ISFSI	Independent Spent Fuel Storage Installation
LAR	License Amendment Request
LLRW	Low-Level Radioactive Waste
LOED	Large Organism Exclusion Device
LTP	License Termination Plan
MARSSIM	Multi-Agency Radiation Survey Site & Investigation Manual
MOU	Memorandum of Understanding
MPC	Multi-Purpose Canister
NDTF	Nuclear Decommissioning Trust Fund
NEI	Nuclear Energy Institute
NEPA	National Environmental Policy Act
NOP	Notice of Preparation
NOV/IO	Notice of Violation and Investigative Order
NPDES	National Pollutant Discharge Elimination System
NPP	Nuclear Power Plant
NRC	Nuclear Regulatory Commission
NTP	Notice to Proceed
NUREG	Nuclear Regulation
NUHOMS	Nutech Horizontal Modular Storage
OC	Orange County
O&M	Operation & Maintenance
OE	Operating Experience
OSHA	Occupational Safety & Health Administration
PA	Protected Area
PDEP	Permanently Defueled Emergency Plan
PDTS	Permanently Defueled Technical Specifications
PPE	Personal Protective Equipment
PSDAR	Post-Shutdown Decommissioning Activities Report

Q&A	Questions and Answers
RECP	Radioactive Effluents Control Program
REIR	Request for Environmental Impact Review
REMP	Radiological Environmental Monitoring Program
RP	Radiological Protection
RPV	Reactor Pressure Vessel
RSI	Request for Supplemental Information
RV	Reactor Vessel
RVI	Reactor Vessel Internals
RWQCB	Regional Water Quality Control Board
SCE	Southern California Edison
SD	San Diego
SDDEH	San Diego Department of Environmental Health
SDS	San Onofre Decommissioning*Solutions*
SFP	Spent Fuel Pool; Support Foundation Pad (ISFSI)
SFPI	Spent Fuel Pool Island
SLC	State Lands Commission (CA)
SLR	Sea Level Rise
SONGS	San Onofre Nuclear Generating Station
STP	Sewage Treatment Plant
SWPPP	Storm Water Pollution Prevention Plan
T&D	Transmission & Distribution
TBA	To Be Announced
TBD	To Be Determined
TEDE	Total Effective Dose Equivalent
UFSAR	Updated Final Safety Analysis Report
UT	Ultrasonic Testing
UU	Unrestricted Use
VCT	Vertical Canister Transporter
VLLW	Very Low-Level Waste
VRS	Volume Reduction Station
WNR	Wheeler North Reef (Marine Mitigation)
WHOI	Woods Hole Oceanographic Institution

Appendix – Read Only Topics and Reference Materials

- Spent Fuel Solutions coalition update
- SONGS decontamination and dismantlement update
- SONGS liquid batch release update

SPENT FUEL SOLUTIONS

Coalition Update

Coalition Activities

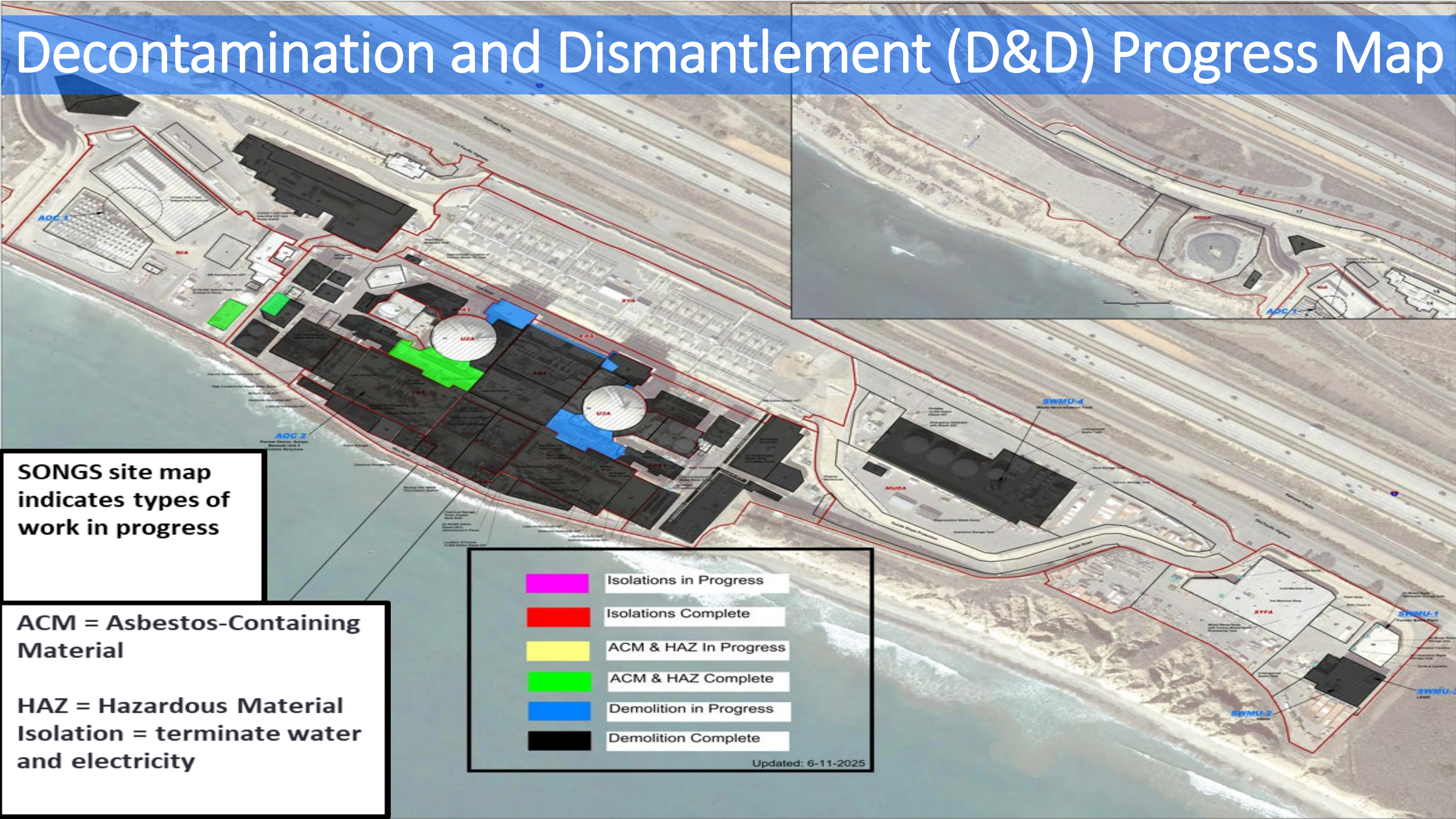
- Webinar with Energy Communities Alliance (ECA) Director of Nuclear Programs Kara Colton took place May 22, the video is here
- ECA is one of the Department of Energy's (DOE) collaboration-based siting consortia
- Coalition also participated in an all-day workshop with Keystone consortia on March 26
- SFS is planning a trip to Washington, D.C. this fall and will serve on a collaboration-based siting panel at the North American Young Generation Nuclear (NAYGN) June conference
- Coalition continues to expand nationally, with the Good Energy Collective joining as a supporting member and the American Nuclear Society as a collaborating organization

SONGS Dismantlement Update

Industrial Safety Overview

- Industrial Safety Trends
  - Site OSHA rate = 0.23 (thru June 11)
  - Site First Aid rate = 3.85 (thru June 11)
- Elevated risk work activities in progress:
  - Controlled Building Demolition (WIP – Near Miss)
    - On April 14, while performing load out of material inside the material handling facility tent, a section of 2" pipe was propelled out of the work area and over a jersey barrier. A worker was approximately 8' away from the object.
      - Hard screen was placed on jersey barrier to protect personnel and equipment from large debris
      - Personal prohibited from being in proximity to end loaders during use
  - Reactor Vessel Segmentation (WIP – No issues)
  - Large Component Removal (WIP – No issues)

Decontamination and Dismantlement (D&D) Progress Map

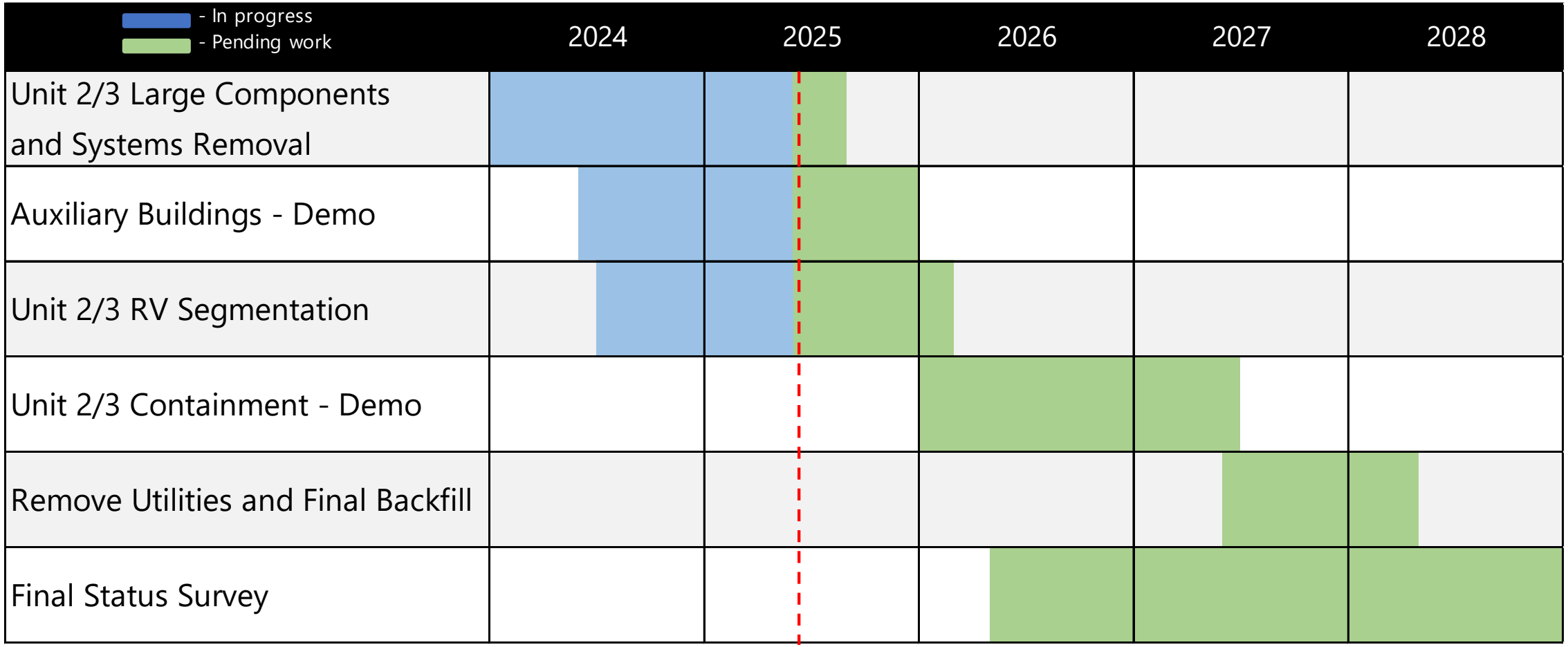


SONGS site map indicates types of work in progress

ACM = Asbestos-Containing Material

HAZ = Hazardous Material
Isolation = terminate water and electricity

Dismantlement Project Schedule: Key Activities



Demo - Demolition
RV - Reactor Vessel

Key Decommissioning Activities

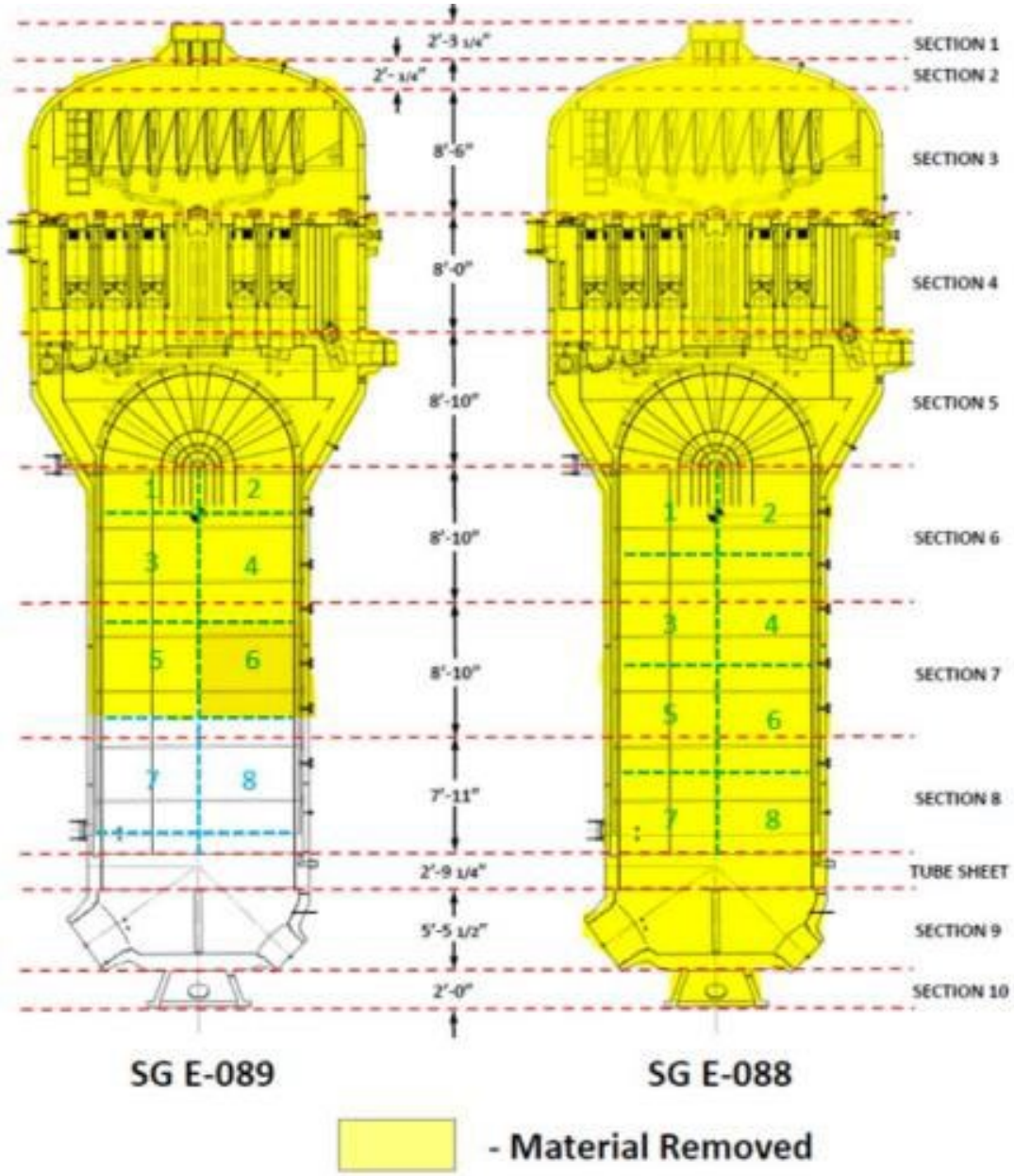
Large Component Removal

Auxiliary Building Demolition

Reactor Vessel Segmentation

U3 Steam Generator Segmentation

- There are two steam generators (SGs) in each containment building. Each SG is about 65' tall and 20' in diameter
- Removal methods include torches and diamond wire saw to segment the SGs into smaller pieces which can be loaded into railcars
- Unit 2 SGs are completely removed
- Unit 3 SG cutting into primary side is in progress
- Unit 3 EO88 is completely removed



U3 Steam Generator 88 Demo Complete

U3 Steam Generator 89 Demo Continues

A section of the steam generator is lowered into a waste container.

Brandenburg Demo – View from East Road

The control building demolition between the Unit 2 and Unit 3 containment domes is complete.

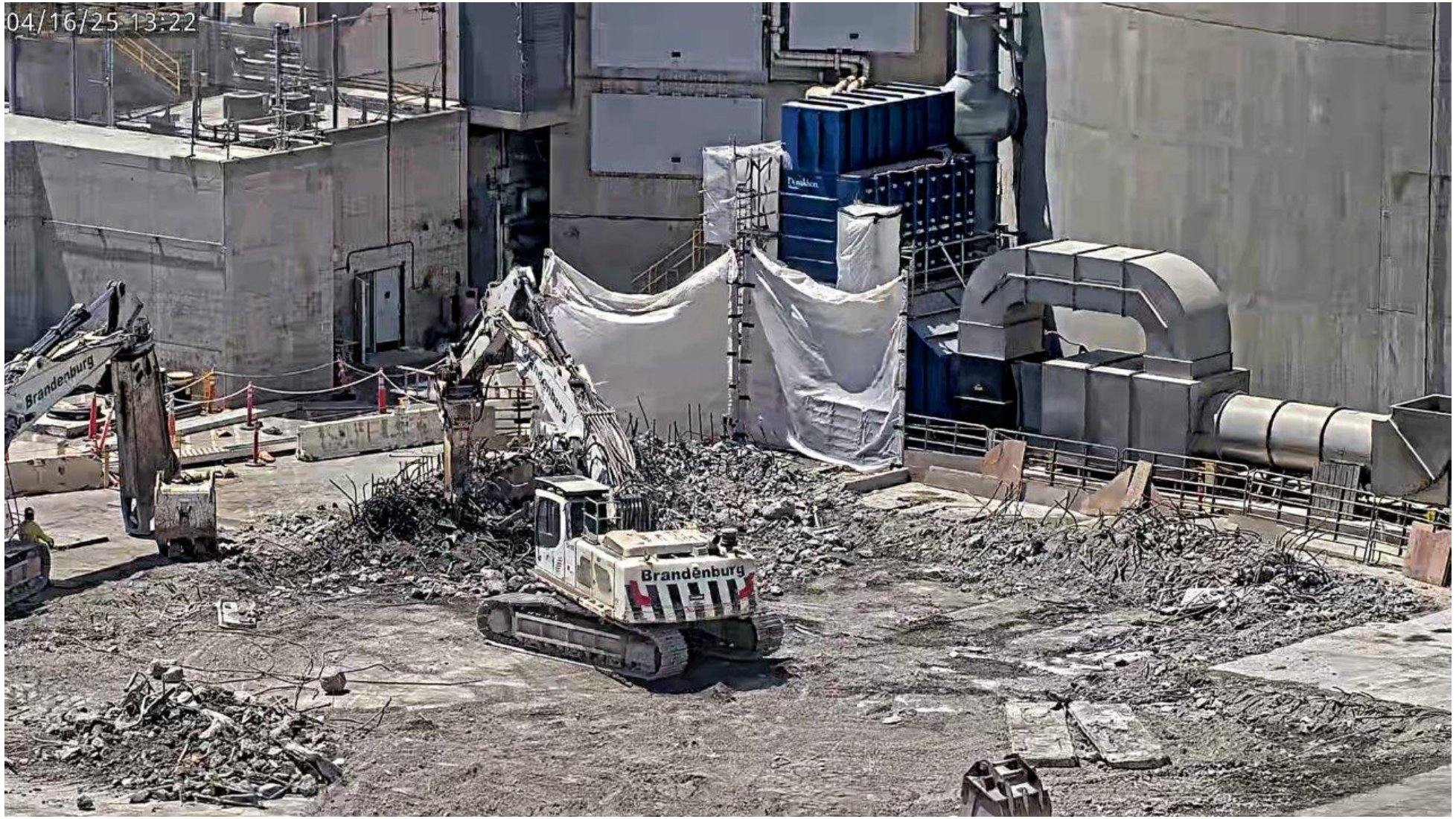
Brandenburg Demo U2 Penetration Building

Water is used throughout the demolition process to reduce dust.

Brandenburg Demo Looking at U3 Containment

Brandenburg Unit 3 Fuel Handling Building Demo

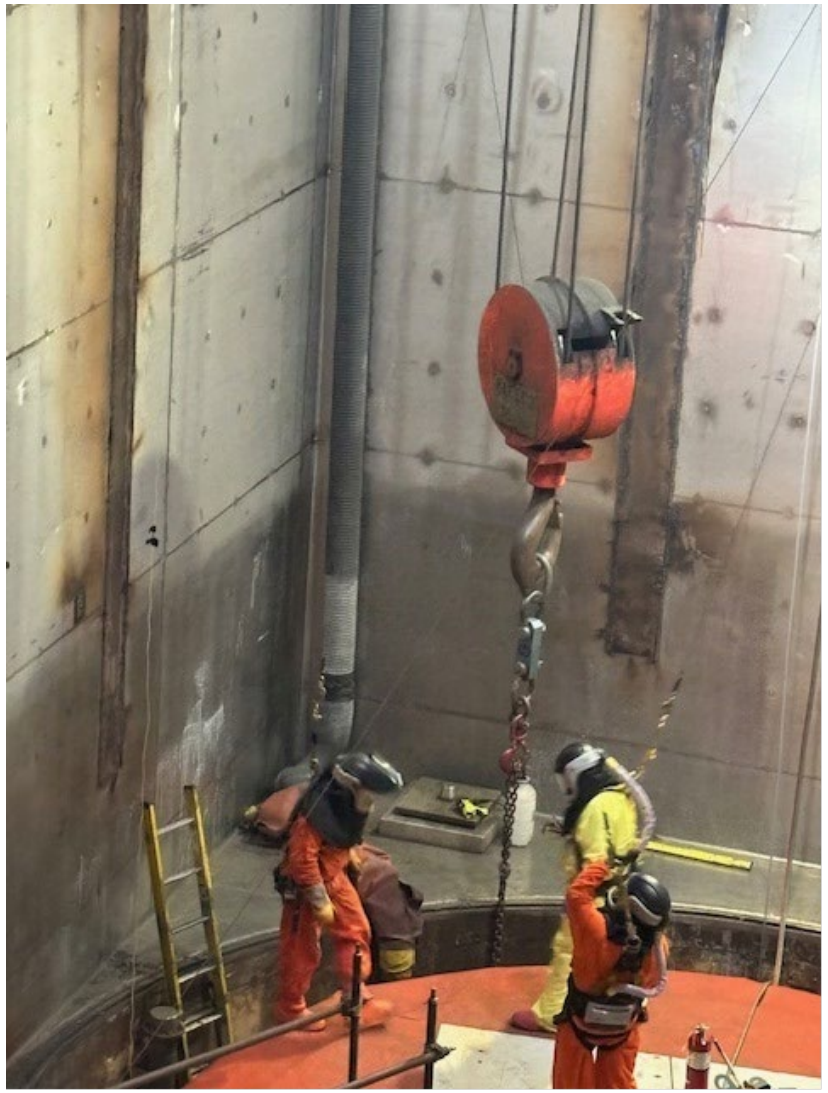
Brandenburg Unit 3 Tank Farm Demo Complete

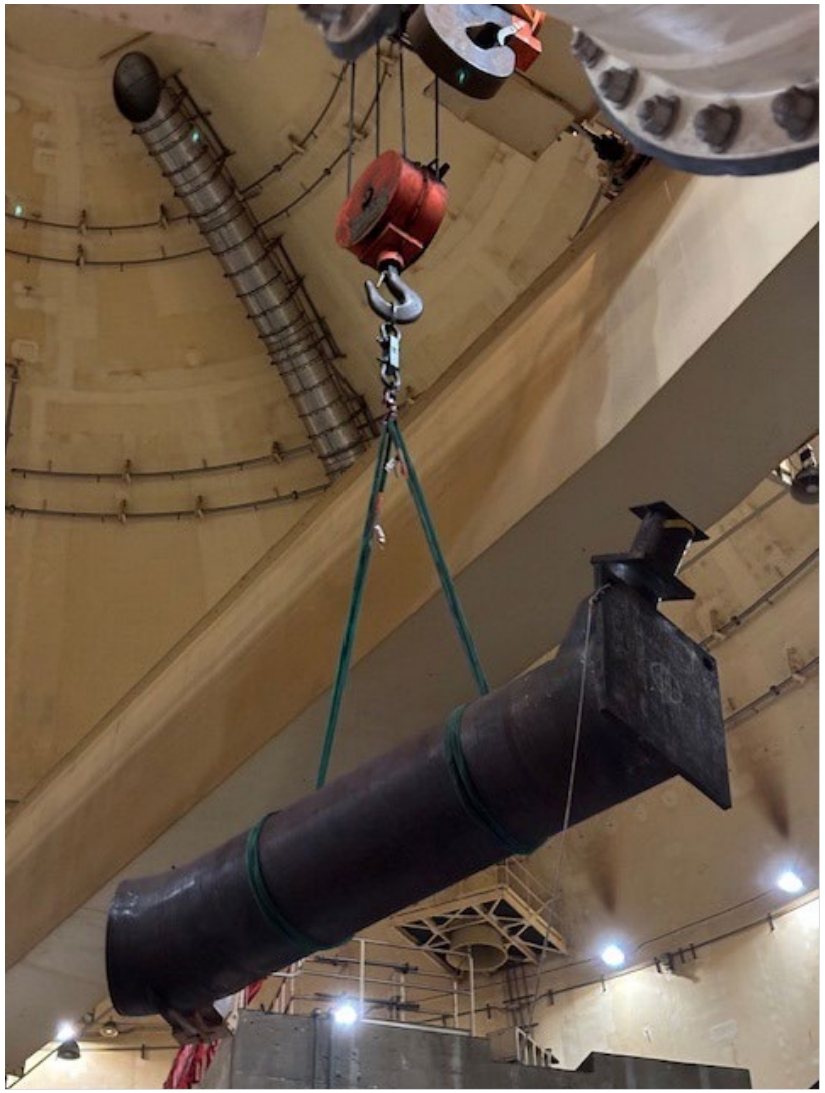


Material Handling Facility - Safety Fencing

Hard screen placed on jersey barrier to protect personnel and equipment from large debris.

U2 Reactor Piping Cutting and Removal





U3 Cavity – RV Segmentation

SONGS Liquid Batch Release Update

Understanding the Release Notification

- **CA State Lands Lease PRC 6785.1 Special Provision 29.b** mandates advance notification of NRC regulated batch releases to the ocean, specifying required information like date, duration, estimated volume and radiological characterization
- **Total Dose** is the dose to a member of the public based on radioactivity concentration in the estimated water volume to be released
- **% of Annual Whole Body Dose Limit** represents the cumulative dose for all releases in a calendar year, with a dose limit of 6 mrem/year for liquid releases
- SCE voluntarily updates information on releases post-completion, beyond the requirements of special provision 29.b
- Occasionally the volume of a completed release may be significantly lower than was planned. In such cases, the total dose of the release would be proportionally lower than estimated
- As a practice SCE does not update the total dose value on its website for completed releases because the total dose is already very small
- The **% of Whole Body Dose Limit** is reconciled monthly based on the actual release volumes and doses from the prior month

Release Notification

Notice Date: March 17, 2025

Est. Start Date: March 20, 2025

Volume: 60,950 gallons

Duration: 10 hours

Status: Complete

Characterization:

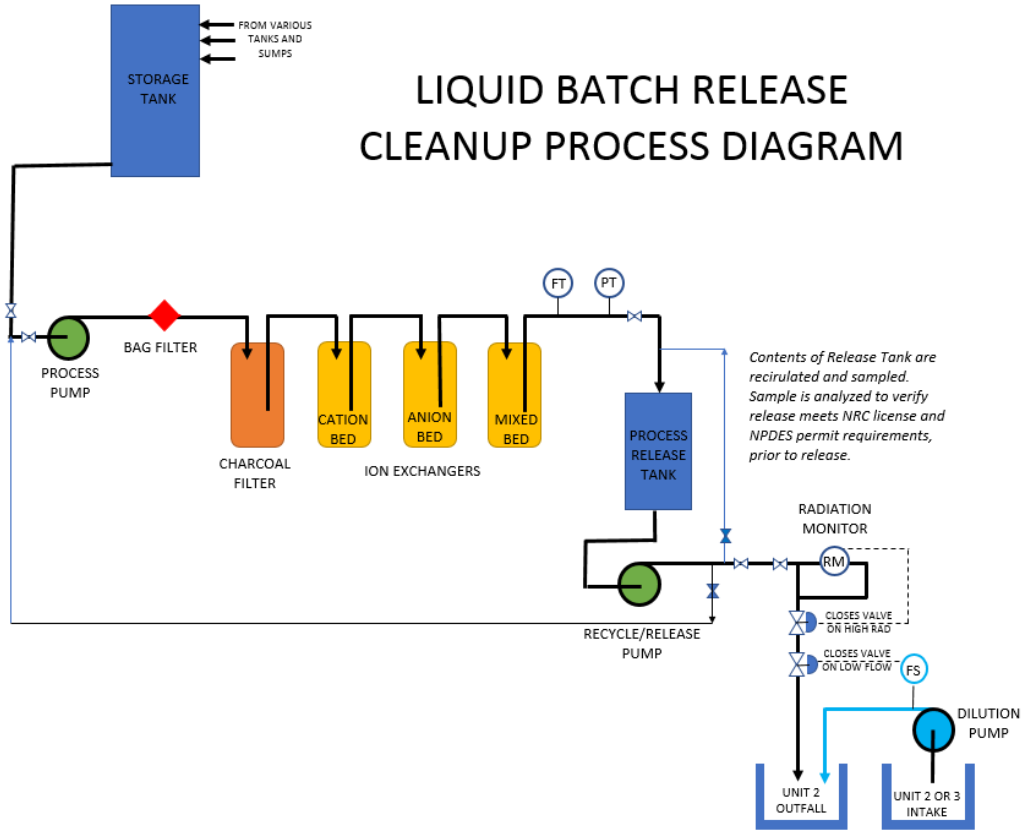
Total Dose: 0.000484 mrem

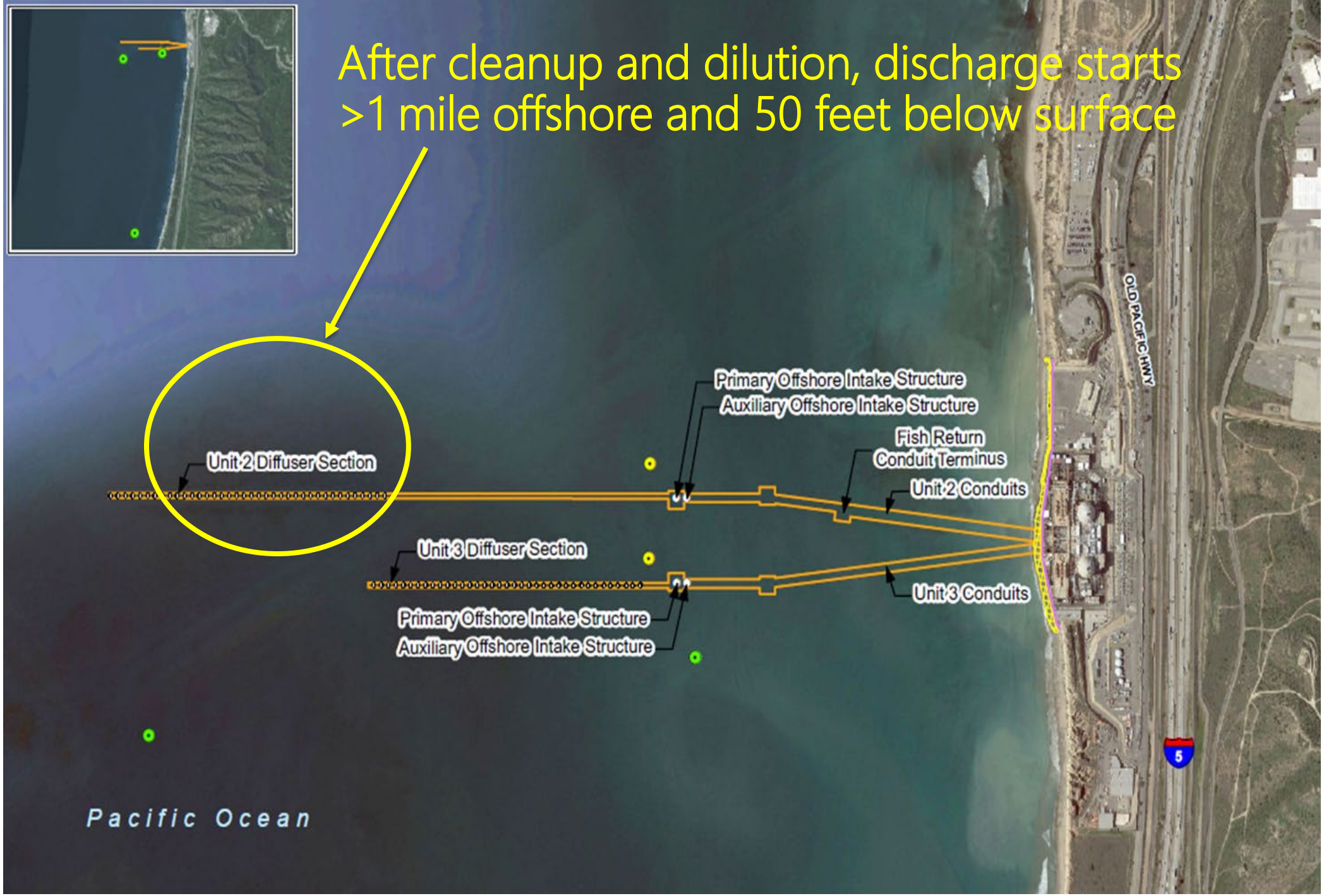
% of Annual Whole Body Dose Limit: 0.000098%

(Note: This percentage is estimated and cumulative for all releases in 2025, based on a limit of 6 mrem/year for liquid releases.)

Liquid Batch Releases Update

2025 Releases	
Month	**Volume (Gallons)**
January	133,189
January	140,450
February	100,170
March	60,950
Total to Date	434,759
Estimated 2025 to-go	45,000
Total (Actual + to-go)	**479,759**
Est. Total Dose Through March	***0.000484 mrem***



- Releases pose no harm to people, or the environment as supported by decades of independent monitoring
- Water is cleaned up well below SONGS NRC license requirements (<1.5 mrem/qtr. and <6 mrem/yr.)
- SONGS provides 48-hour advance notice of batch releases to the public via songscommunity.com
- "Surfrider Tests Beach Water Radiation Levels at San Onofre" - See whole story and results from Woods Hole Oceanographic Institute here
- The focus topic of the March 7, 2024, CEP meeting was SONGS Environmental Stewardship, including batch releases. Click here for more information.

After cleanup and dilution, discharge starts >1 mile offshore and 50 feet below surface