

3Q CEP meeting will begin soon

Save the date:

Spent Fuel Solutions webinar

- SFS' 3rd quarter webinar will take place on September 3 from 11 a.m. to noon Pacific
- Guest speaker Dr. Sven Bader will provide information on Orano's work on spent fuel recycling and reprocessing in France and the U.S.
- This event will also include details about the development of France's Cigeo repository
- Attendees can RSVP and submit questions to info@spentfuelsolutionsnow.com
- A video of the webinar will also be posted to the SFS website after the event



Join Spent Fuel Solutions for an informational webinar with Dr. Sven Bader, Technical Consultant with Orano Federal Services. Learn more about Orano's French and U.S. spent fuel reprocessing and recycling activities, as well as the status of the French repository program.

Wednesday, September 3
11a.m. - 12 p.m. PST

On Zoom:
<https://us02web.zoom.us/j/89813872801>
Webinar ID: 898 1387 2801
By Telephone: +1 669 444 9171

To RSVP or submit questions for our panelists, please email us at info@spentfuelsolutionsnow.com.
We look forward to seeing you there!

Community Engagement Panel
Regular Meeting

**SONGS Dismantlement Update by
San Onofre Decommissioning *Solutions***

Thursday, August 28, 2025

5:30 – 8:00 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 “Big Picture” - decommissioning principles, major workstreams and schedule	Dan Stetson, CEP Chair Fred Bailly, SCE VP of Generation and Chief Nuclear Officer	5:30 – 5:45
CEP General Community Updates - CEP Educational Seminar October 16 - Interjurisdictional Planning Committee update	Dan Stetson Michelle Anderson (Director, Emergency Management Division, Orange County Sheriff’s Department)	5:45 – 5:55
Dismantlement Update by San Onofre Decommissioning Solutions - Safety - Dismantlement plan, timeline and activities - Waste packaging and transportation - Environmental stewardship	Joe Nowak, SDS Executive Sponsor	5:55 – 6:20
SCE Decommissioning Updates - DOE guided wave technology - SONGS environmental update	Michael Bryson, ISFSI Engineer Ron Pontes, General Manager, Environmental Oversight and Site Closure Manager	6:20 – 6:40
Break		6:40 – 6:45
Public Comment Period and Facilitated Dialogue	Victor Cabral Martha McNicholas	6:45 – 7:45
CEP and SCE Closing Comments	Dan Stetson Fred Bailly	7:45 – 8:00
Contents of Appendix: Read-Only Topics and Reference Material Spent Fuel Solutions coalition update		

Public Comment

Dan Stetson

Directions for the public comment period:

To submit comments and questions in writing:

- Use the [CEP Comment Form](#)

To sign up to speak:

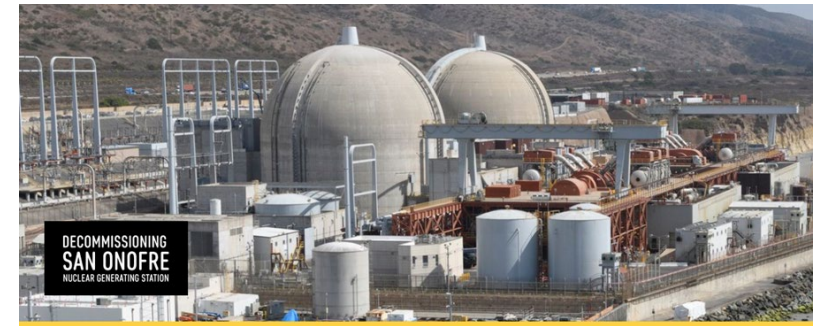
- Use the [CEP Comment Form](#)

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

Dismantlement on track for completion by year-end 2028, with recent updates indicating final activities may extend into early 2029

CEP Educational Seminar – Oct. 16, 2025

Fred Bailly

SONGS Spent Fuel: Onsite Storage and Initiative to Relocate Offsite

- Comprehensive scope including need for onsite storage, defense-in-depth for onsite storage, and efforts to clear San Onofre of spent fuel
- Inspection images will be shared that reflect all indications found during inspections of canisters of spent fuel over time
- Hybrid meeting at San Clemente Casino and via Microsoft Teams
- Starting 5:30 p.m.
- Material to be posted approximately one week in advance
- Hourlong public comment period

General Community Updates

Dan Stetson

CEP Members

Dan Stetson

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, 5 th 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, 5 th District
Daniel Whitley	Community Plans and Liaison Officer, Camp Pendleton

CEP Community Updates

Dan Stetson and Michelle Anderson

- Save the date of Oct. 16 for CEP Educational Seminar
 - *SONGS Spent Fuel: Onsite Storage and Initiative to Relocate Offsite*
 - Hybrid meeting at Casino San Clemente and via Microsoft Teams will start at 5:30 pm
- Interjurisdictional Planning Committee (IPC) invites City of Irvine and other neighboring cities to join
 - Mission is to promote nuclear power preparedness through agency coordination and integration of emergency plans
 - For more information on the IPC, check out the June 12 CEP meeting presentation [SONGS Emergency Preparedness and Offsite Agency Support](#)

Community Engagement Panel

SONGS Decommissioning Activity Status

Joe Nowak
SDS Executive Sponsor

August 28, 2025



Decontamination and Dismantlement (D&D) Progress Map





Cutting up steam generator tube sheet
(view from '63 ft looking down the interior bio wall)

**SDS Safety and Management
Commitment**

Decommissioning Plan

Waste Management

**Environmental Stewardship
and Mitigation Measures**

Worker Safety & Safety Culture

Safety Culture & Program

SDS maintains a strong, OSHA-qualified safety program with a focus on worker engagement, leadership involvement, and continuous improvement. Voluntary Protection Program (VPP) status is in progress.

Performance Highlights

- **2.94M hours** since the last **Lost Time Accident (LTA)**
- **1 OSHA recordable** after 1.32M hours (**Total Recordable Incident Rate [TRIR]: 0.36**)
- Only **8 first-aid cases** reported year-to-date

Benchmark Comparison

- SDS TRIR (0.36) is **well below** industry averages (2.5–4.0)
- SDS Lost Time Injury (LTI) frequency is **exceptional**, outperforming top-tier sites

Key Takeaways

- Sustained **zero LTAs** post-recordable
- Safety metrics and culture consistently exceed national and demolition-sector benchmarks
- Strong control over minor incidents and continued emphasis on proactive safety

Management Commitment

- Increased focus on repetitive and first-of-a-kind (FOAK) work tasks with lessons learned – Focus on new evolutions
- Increase field presence at all levels in the organization and the number of observations – Engagement to pulse safety concerns
- Utilizing Union leadership to improve safety culture – Accountability at all levels
- SDS leadership continuing to challenge the staff to be proactive, accountable and forward looking on safety
- Safety luncheons
- Independent assessments of project safety culture and performance, and implementing recommendations – Raise the bar in employee engagement to continue fostering a proactive safety culture
- SDS leadership continuing commitment to regulatory compliance



Tadano crane moving
radwaste container

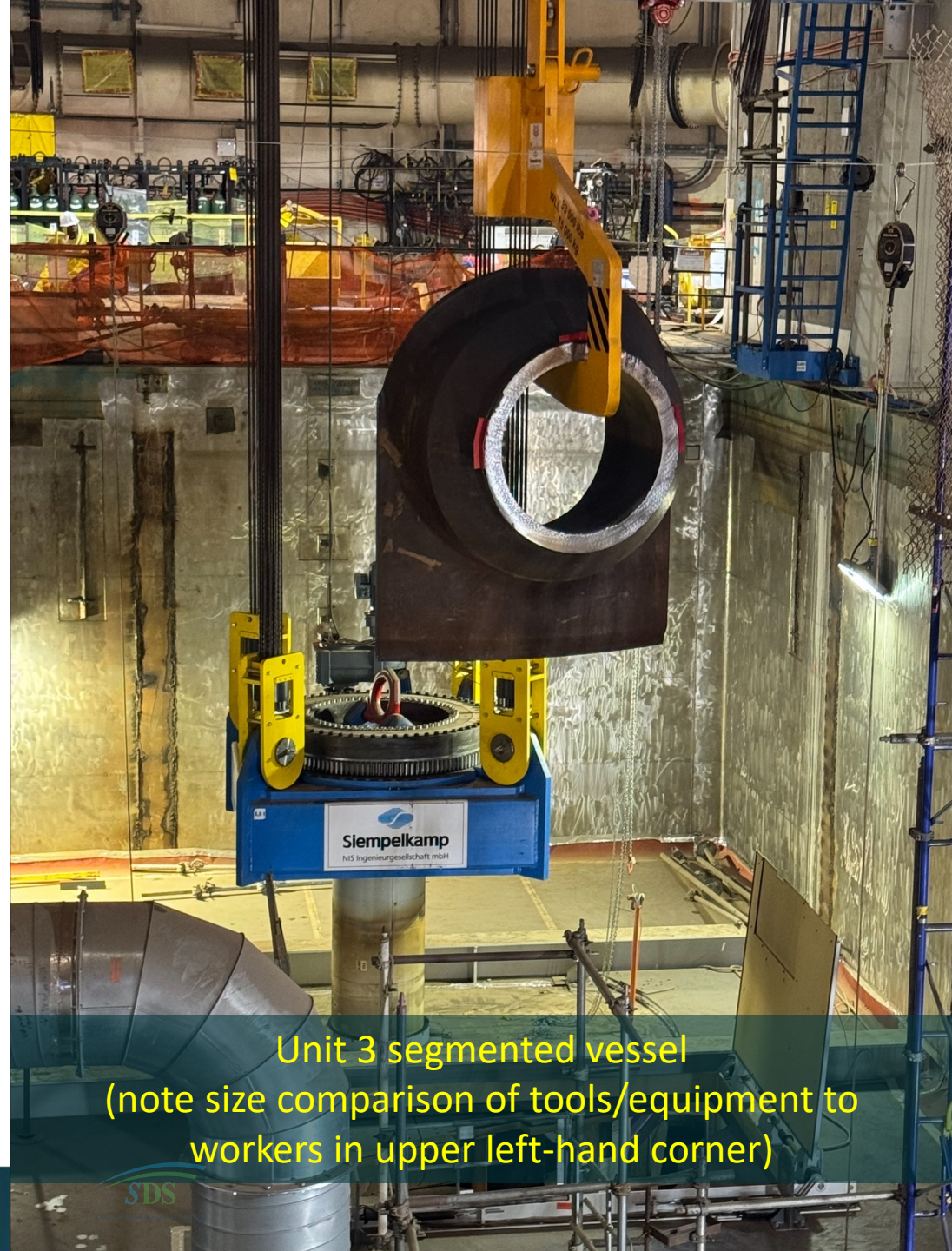


D&D Progress

View between Units 2 and 3 containment buildings facing east

D&D Progress

Total Project Completion	84%
▪ Demo Package 3	34%
▪ Waste Shipments Off Site	50%
▪ Containment Large Component Removal	94%
▪ Reactor Vessel Cut-up and Removal	63%
▪ DIE Tent Installation	0%
▪ Demo Package 4	0%
▪ Site Restoration & Backfill	0%



Unit 3 segmented vessel
(note size comparison of tools/equipment to
workers in upper left-hand corner)

ALARA

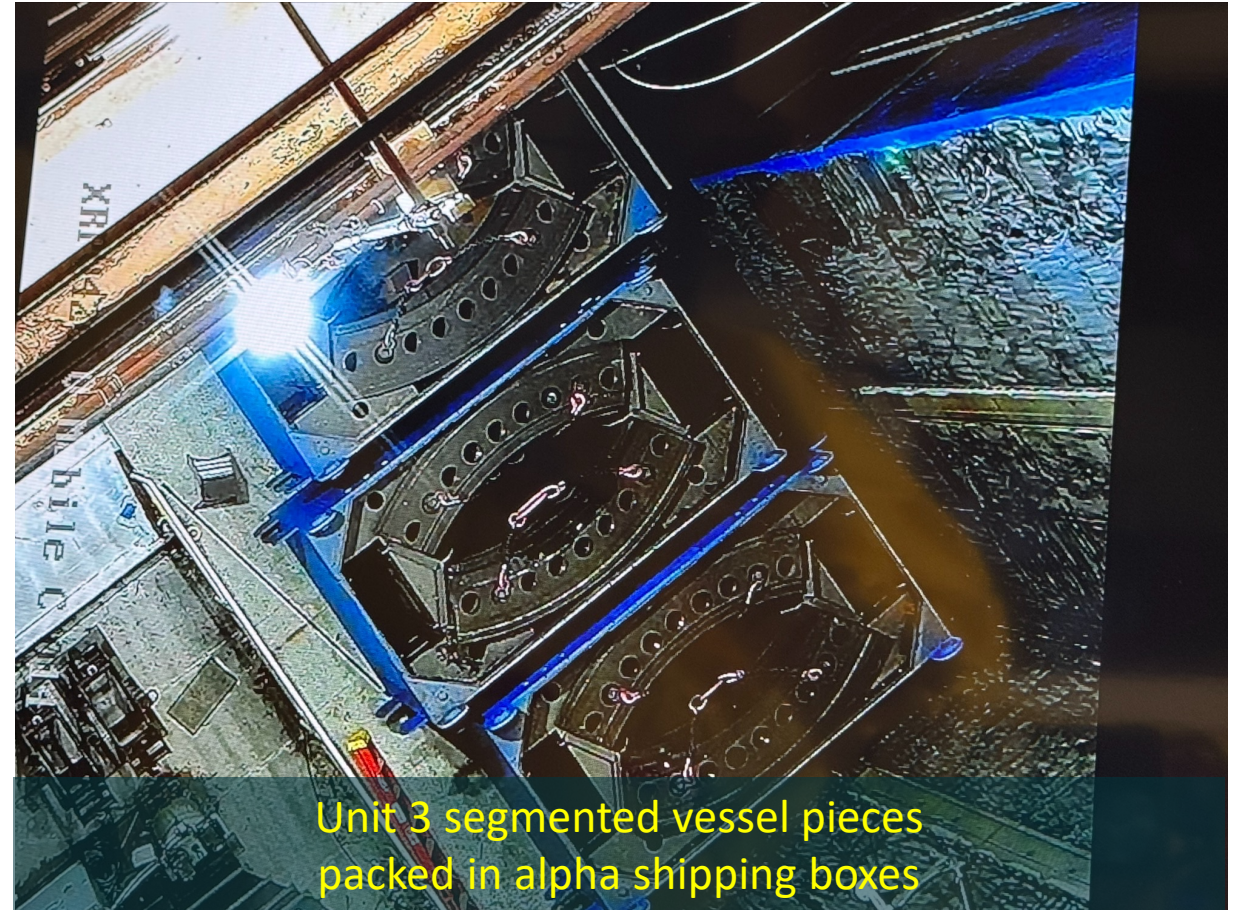
ALARA (As Low As Reasonably Achievable)

- Continue delivering world-class ALARA performance
- 2025 dose is less than 125 Roentgen Equivalent Man (REM) goal
- Total year-to-date dose for the entire workforce on site (not per person) was 55 REM as of end of June

Reactor Vessel Segmentation



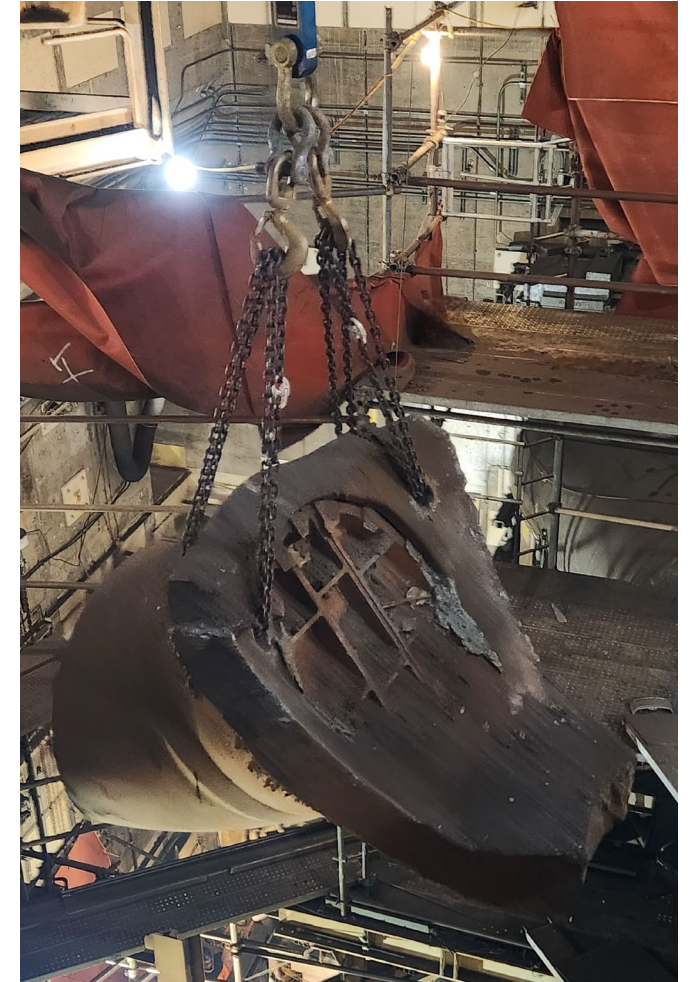
Unit 3 segmented vessel



Unit 3 segmented vessel pieces
packed in alpha shipping boxes

D&D Progress

Surgical / Large Component Removal



Torch cutting continues

D&D Progress Surgical / Large Component Removal

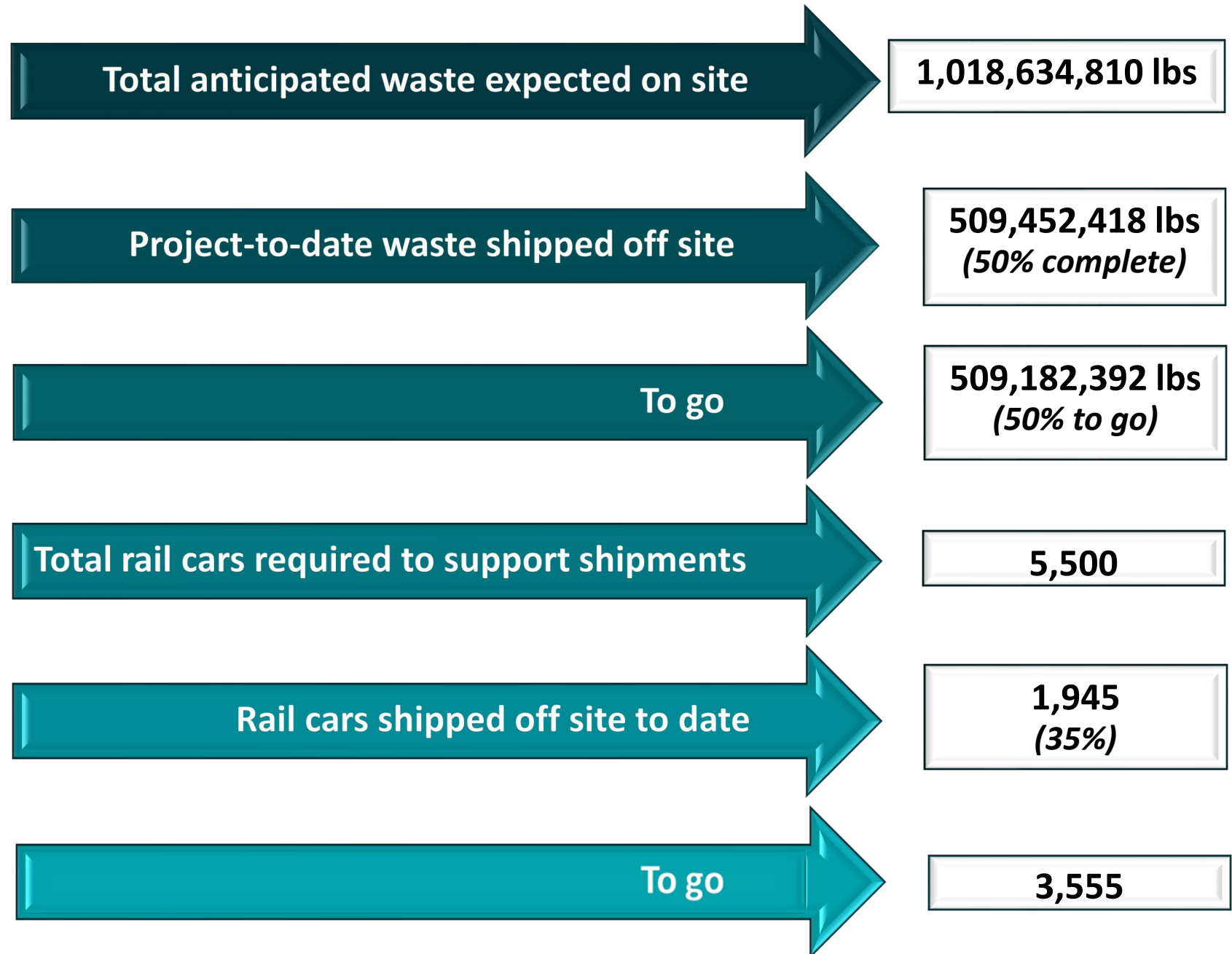
A large, rectangular, segmented piece of a steam generator is being lifted by two heavy chains in an industrial setting. The piece is composed of many vertical segments, giving it a textured, almost wood-like appearance. It is suspended in the air, with the chains attached to its top corners. The background shows various industrial structures, including pipes, scaffolding, and a large red cylindrical component. The lighting is bright, highlighting the metallic surfaces and the texture of the segmented piece.

Unit 3 steam generator segmented piece

Waste Management Overview



Material handling facility (MHF)
tent railcar loading



Environmental Stewardship



Western fence lizard



Active nest with three chicks
on SDS office trailer roof



Venomous red
diamond rattlesnake

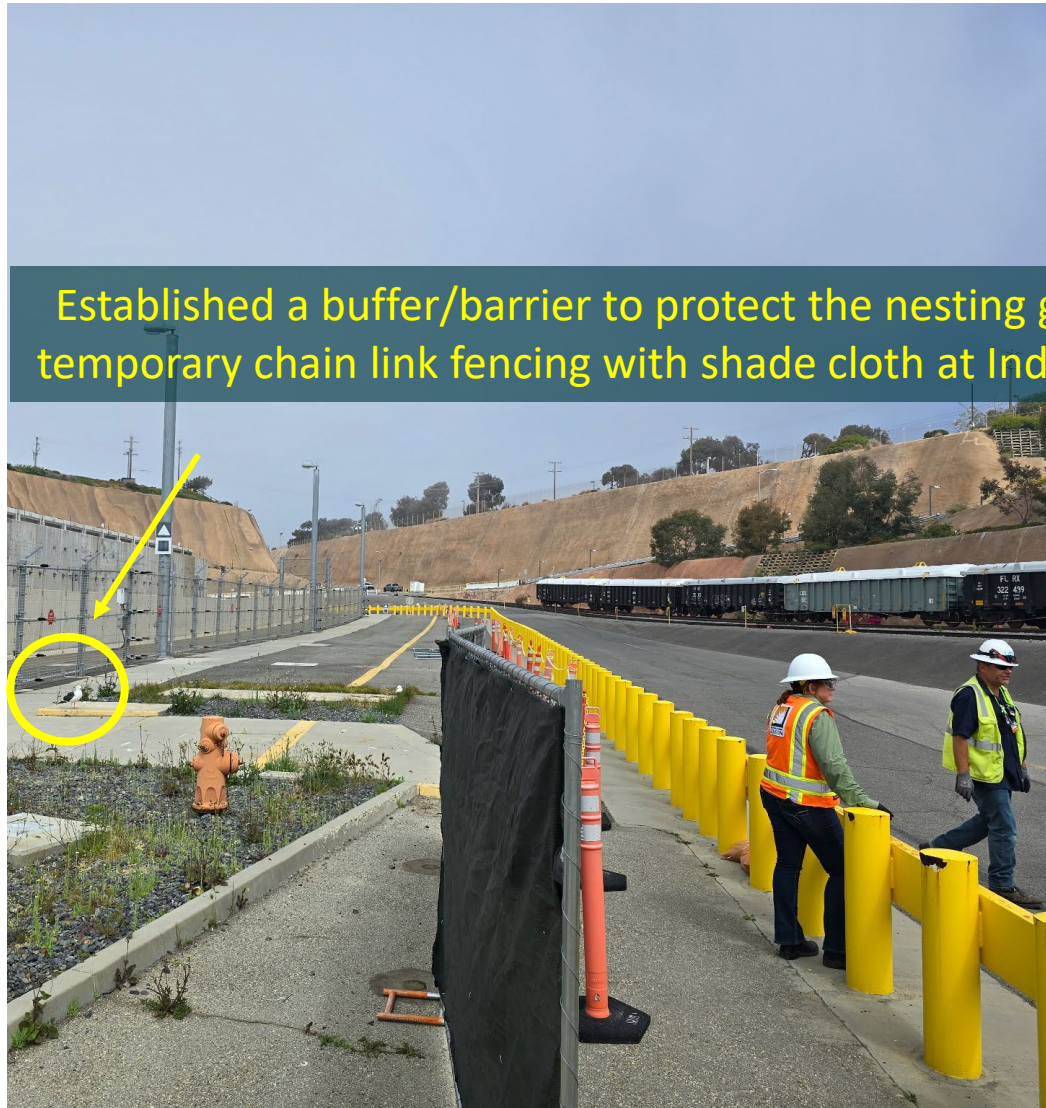
Environmental Stewardship

- Employees receive Worker Environmental Awareness Program (WEAP) prior to working on site
- Nesting bird management
- Work monitoring (Federal, State and County agencies, biological, cultural, tribal, and more)
- Water discharge, air emission and excavation monitoring
- Implementation of stormwater management practices to minimize dust and runoff into storm drains
- Minimize truck traffic, each railcar eliminates 6 truck trips



Recent fledgling gaping at its parent for a meal among the coastal bluff scrub habitat

Environmental Stewardship



Final Status Survey (FSS)



Final Status Survey (FSS)
technician operating
the towed-array



FSS technician survey of
the electrical tunnel

July 2022



D&D Progress

July 2025



Thank You



Switchman ensuring safe rail movement through direct visual observation

DOE Guided Wave Technology

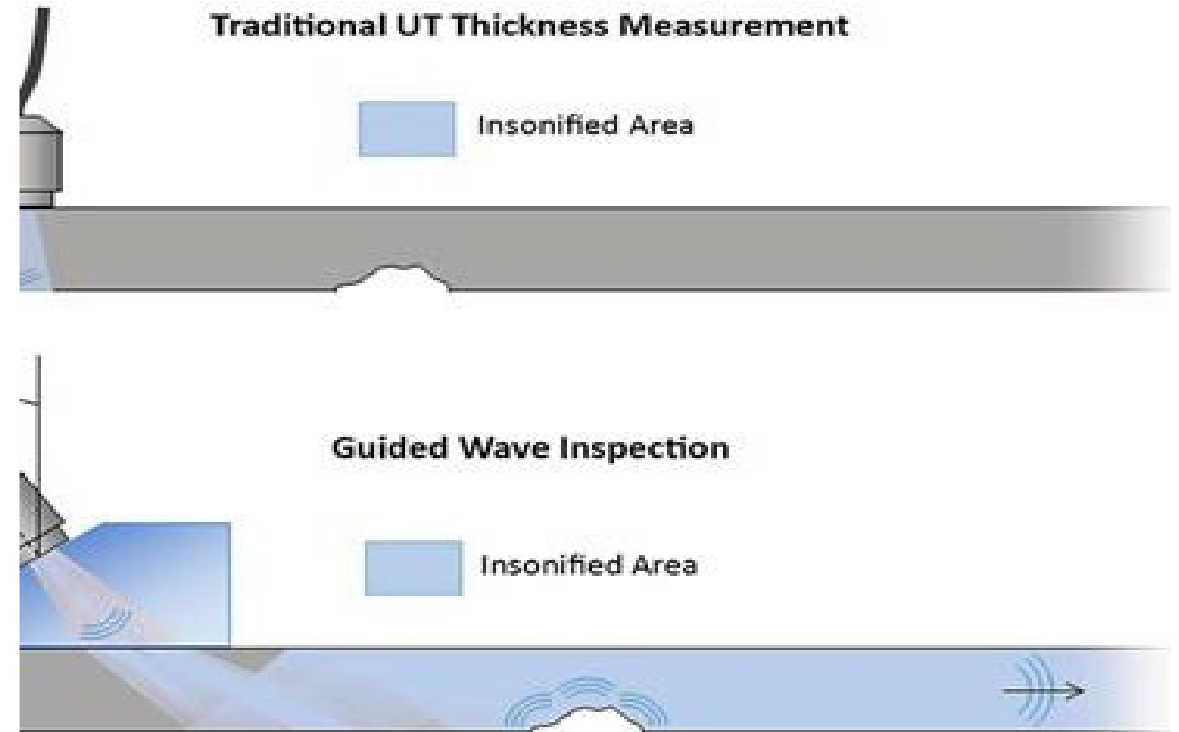
Michael Bryson

SCE ISFSI Engineer



Guided Wave Ultrasonic Monitoring

- Uses low frequency ultrasound to screen large, inaccessible areas
- Can be permanently installed for long term monitoring
- Has been used in pipeline and DOE installations
- DOE is currently evaluating the use of guided wave technology to monitor the condition of spent fuel storage canisters
- SONGS is being considered as a test location because we are the only utility with a test canister



SONGS Environmental Update

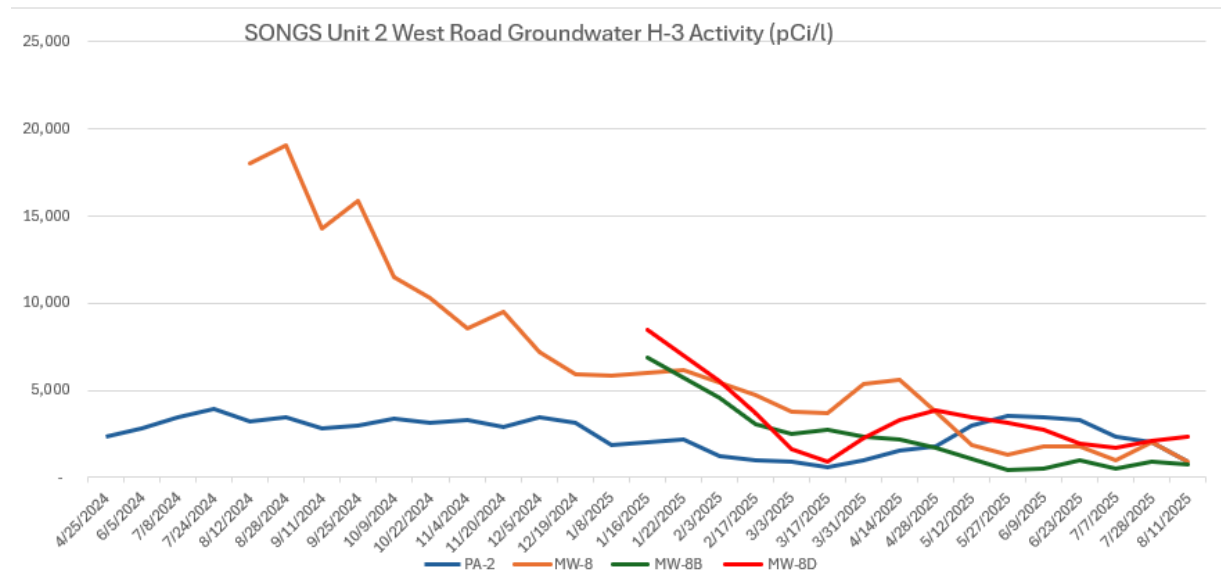
Ron Pontes

General Manager, Site Closure and Environmental Oversight



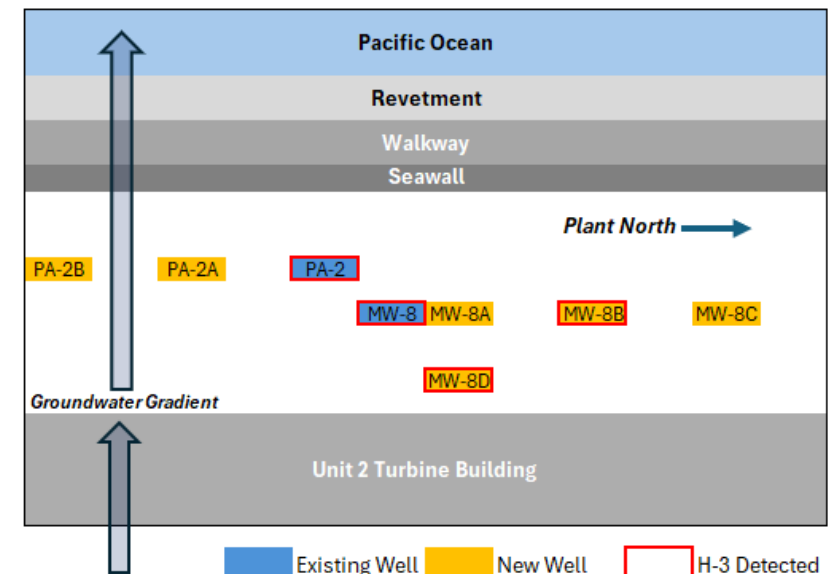
Unit 2 Groundwater Tritium (H-3) Investigation Update

- Wells continue to show an overall declining trend in H-3
- Enhanced monitoring will continue until H-3 falls below detection limits
- Release appears to be a transient release vs. an on-going release
- There is strong evidence the source was from the Unit 2 Main Steam Isolation Valve (MSIV) trench
- Remediation (extraction) is not necessary – monitored natural attenuation is addressing the condition



Link to Annual Radioactive Effluent Release Report: [2024 ARERR](#)

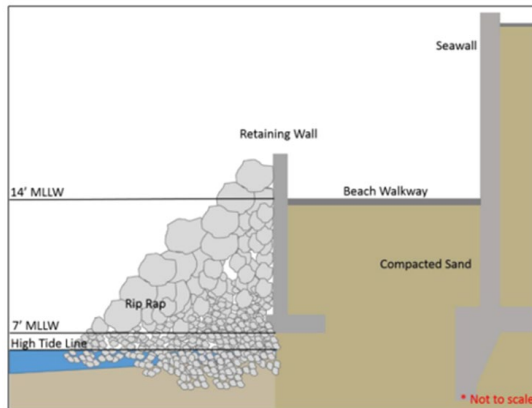
Safety | Stewardship | Engagement



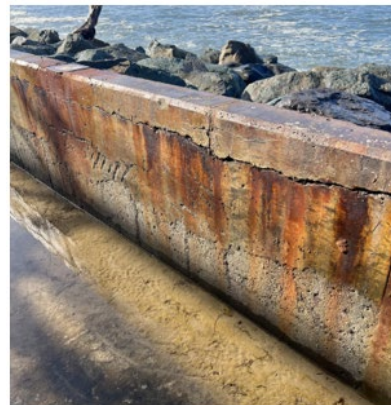
Repair and Maintenance of Beach Pedestrian Walkway

Why is repair and maintenance needed?

- Due to wave action over several decades, it is necessary to periodically restack the riprap to original design dimensions
- Replacement of the retaining wall is needed to address rebar corrosion and concrete spalling
- The work will ensure the walkway is maintained in a safe condition for pedestrians



Cross Section of Beach Walkway Design



Retaining Wall Deterioration

- Repair and maintenance of the SONGS beach walkway is planned for Q1-Q2 2026. The work involves
 - Restoration of the riprap on the northerly end of the walkway (southern end restacked in 2016)
 - Replacement of the retaining wall along the entire length of the walkway
- Anticipated duration of the project is 4 to 5 months
- The walkway will be closed for approximately 4 weeks during replacement of the retaining wall
- To minimize impact to beachgoers, equipment movement will occur at night during beach closure hours



Public Comment

Dan Stetson

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

SAN ONOFRE
COMMUNITY
ENGAGEMENT
PANEL

BREAK

SAN ONOFRE
COMMUNITY
ENGAGEMENT
PANEL

General Public Comment

To sign up to speak online use the [CEP Comment Form](#)

3:00

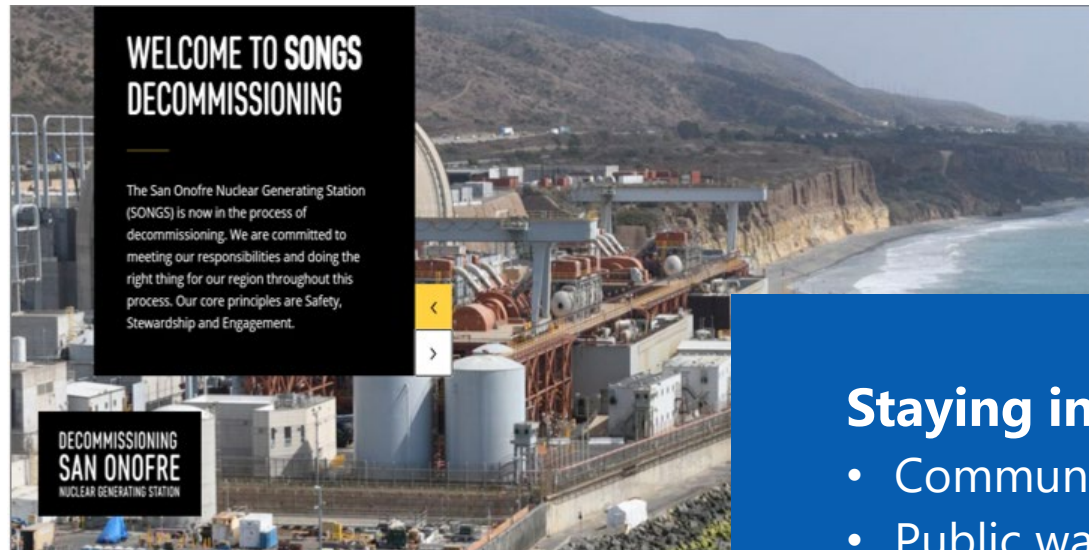
CLOSING COMMENTS

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
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 <i>Solutions</i>	August 28
CEP Member Consultation Meeting & Tour	TBD
CEP Educational Seminar SONGS Spent Fuel: Onsite Storage and Initiative to Relocate Offsite	October 16
4Q CEP Regular Meeting DOE's Consent-Based Siting of CIS Facilities and Transition to Stage 2 "Expression of Interest"	November 13

SAN ONOFRE
COMMUNITY
ENGAGEMENT
PANEL

Thank you
Stay safe and healthy

Appendix: Read-Only Topics and Reference Material

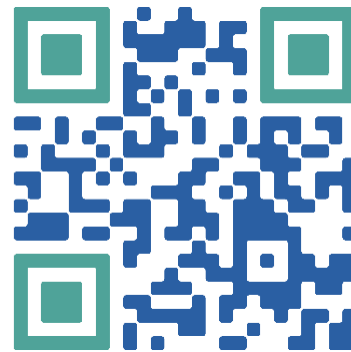
- Spent Fuel Solutions coalition update
- Acronyms





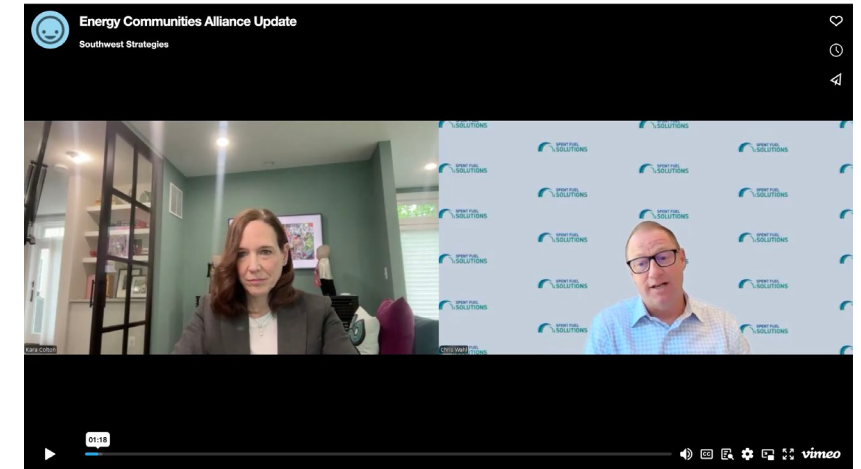
Coalition Update

by Chris Wahl, SFS Executive Director



Coalition Activities

- SFS held our 2nd quarter webinar with Kara Colton from Energy Communities Alliance on May 22
- A video of the webinar is available at www.spentfuelsolutionsnow.com/events
- SFS' Coalition Manager participated in a panel on collaborative-based siting at the North American Young Generation in Nuclear's conference in June
- The coalition has also continued to expand our membership and now has members from:
 - California
 - Florida
 - Louisiana
 - New York
 - Pennsylvania
 - Utah
 - Virginia
 - Washington
 - Wisconsin



Kara Colton (ECA) and Chris Wahl (SFS Executive Director)



Heather Hoff (Mothers for Nuclear), Vincent Ialenti (DOE), Scott Lathrop (Native Nuclear), Michael Borrelli (NWMO) and Jessica Luternauer (SFS Coalition Manager)

Upcoming Webinar

- SFS' 3rd quarter webinar will take place on September 3 from 11 a.m. to 12 p.m. Pacific
- Our speaker, Dr. Sven Bader, will provide information on Orano's work on spent fuel recycling and reprocessing in France and the U.S.
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JOIN US

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We look forward to seeing you there!

Federal Advocacy

- The coalition continues to support DOE's consent-based siting consortia
- We recently worked with the North Carolina State consortium, which hosted a public workshop in San Diego
- Coalition members have also begun engaging with the American Nuclear Society consortium
- On the legislative side, we hope to see a bill reintroduced later this year
- We plan to visit Washington, D.C. with SFS' co-chairs this fall to brief federal leaders



Chris Wahl (SFS Executive Director), Supervisor Jim Desmond (San Diego County/SFS Co-Chair), Supervisor Katrina Foley (Orange County/SFS Co-Chair) and Tom Isaacs (Independent Strategic Advisor to SCE/SFS Advisory Council)

DOE Consortia

- Native Nuclear recently hosted a public workshop in San Diego, in partnership with North Carolina State University and Mothers for Nuclear
- These organizations comprise one of DOE's collaboration-based siting consortia
- This event had Native Nuclear's highest attendance to date, with approximately 65-70 participants, including two CEP members, Dan Stetson and Mel Vernon
- They received 44 survey responses following one presentation on environmental considerations and two presentations on collaboration-based siting and waste
- Audience members were very engaged and interested in the workshop, providing the consortium with constructive feedback
- A lot of young people were interested in learning more about nuclear power and radiation, and one participant asked how Native Nuclear was engaging with communities regarding collaboration-based siting

Acronyms

ACM	Asbestos Containing Material	DOR	Division of Responsibility
AHSM	Advanced Horizontal Storage Module	DPH	Department of Public Health
ALARA	As Low As Reasonably Achievable	DSAR	Defueled Safety Analysis Report (replaces FSAR)
AMP	Aging Management Program	DSC	Dry Storage Canister
AREOR	Annual Radiological Environmental Operating Report	D-SEIS	Draft Supplemental Environmental Impact Statement
ASME	American Society of Mechanical Engineering	D-SER	Draft Safety Evaluation Report
C&D	Cold & Dark	DSFM	Division of Spent Fuel Management (NRC)
CAP	Corrective Action Program	DTF	Decommissioning Trust Fund
CCC	California Coastal Commission	DTSC	Department of Toxic Substances Control
CBS	Core Barrel Support	EAL	Emergency Action Level
CCR	Current Conditions Report	EH&S	Environmental, Health & Safety
CDP	Coastal Development Permit	EIR	Environmental Impact Report (under CEQA)
CDPH	California Department of Public Health	EIS	Environmental Impact Study (under NEPA)
CEC	California Energy Commission; Cavity Enclosure Container	EP	Emergency Plan
CEP	Community Engagement Panel	EPA	Environmental Protection Agency
CEQA	California Environmental Quality Act	EPRI	Electric Power Research Institute
CFR	Code of Federal Regulations	ERO	Emergency Response Organization
CH&S	Corporate Health & Safety	ET	Experts Team
CIS	Consolidated Interim Storage	FA	Fuel Assembly
CNO	Chief Nuclear Officer	FEIR	Final Environmental Impact Report
CPEN	Camp Pendleton	FERC	Federal Energy Regulatory Commission
CPUC	California Public Utilities Commission	FSAR	Final Safety Analysis Report
CSLC	California State Lands Commission	FSS	Final Status Surveys
D&D	Decontamination & Dismantlement	FSSR	Final Status Survey Report
DA	Decommissioning Agreement; Decommissioning Agent	FTO	Fuel Transfer Operations; Field Training Officer
DCE	Decommissioning Cost Estimate	GTCC	Greater Than Class C (Waste)
DGC	Decommissioning General Contractor	HAZ	Heat Affected Zone
DGCL	Derived Concentration Guideline Levels	HI-TRAC	Holtec International Transfer Cask
DID	Defense-in-Depth	Hi-PORT	Holtec International Transporter
DOE	Department of Energy	HI-STORM	Holtec International Storage Module
DoN	Department of Navy	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 <i>Solutions</i>
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

