For Awareness: Department of Energy's Office of Nuclear Energy Bulletin – She did what?

From: Lorraine Quinn Sandstrom
Sent: Monday, February 26, 2024 5:46:20 PM
To: Daniel T. Stetson; Victor Cabral; Martha McNicholas; Michelle Anderson; Michelle Anderson; Mike Balsamo; Katrina Foley; Garry Brown; Jim Desmond; Rob Howard; Sam Jammal; Scott Kibbey; Marni Magda; Val Macedo; Michael Parham; Ted Quinn; John Taylor; Mel Vernon; Michael Villar; Alyssa Napuri; Mark Enmeier; Kristal Jabara; John Gabbard; Mike Sappingfield; Ken Schultz
Cc: Manuel Camargo
Subject: For Awareness: Department of Energy's Office of Nuclear Energy Bulletin - She did what?

Dear CEP Members and Alternates,

I am writing to share a recent bulletin from the Department of Energy's Office of Nuclear Energy, which includes a brief video with Assistant Secretary Dr. Katy Huff as she goes inside a commercial spent nuclear fuel storage facility at North Anna Nuclear Generating Station to break down the basics on dry cask storage.

U.S. DEPARTMENT OF ENERGY | Office of NUCLEAR ENERGY

She did what?

Department of Energy's Office of Nuclear Energy sent this bulletin at 02/20/2024 11:15 AM EST

SHARE

Having trouble viewing this email? View it as a Web page.

February 20, 2024



click above to watch

We just released this new video of Assistant Secretary Dr. Katy Huff as she goes inside a commercial spent nuclear fuel storage facility at North Anna Nuclear Generating Station to break down the basics on dry cask storage.

WATCH NOW before it airs on our social media platforms later today!

Subscribe to updates from Department of Energy's Office of Nuclear Energy

Top of Form

Email Addresse.g. name@example.com

Bottom of Form

Share Bulletin

POWERED BY

GOVDELIVERY

Privacy Policy | Cookie Statement | Help

Regards,
Lorraine Sandstrom
Community Affairs and Relations, Senior Specialist
Community Engagement Panel (CEP) Management and Stakeholder Engagement (DA Complex -B)
Southern California Edison, San Onofre Nuclear Generating Station (SONGS)

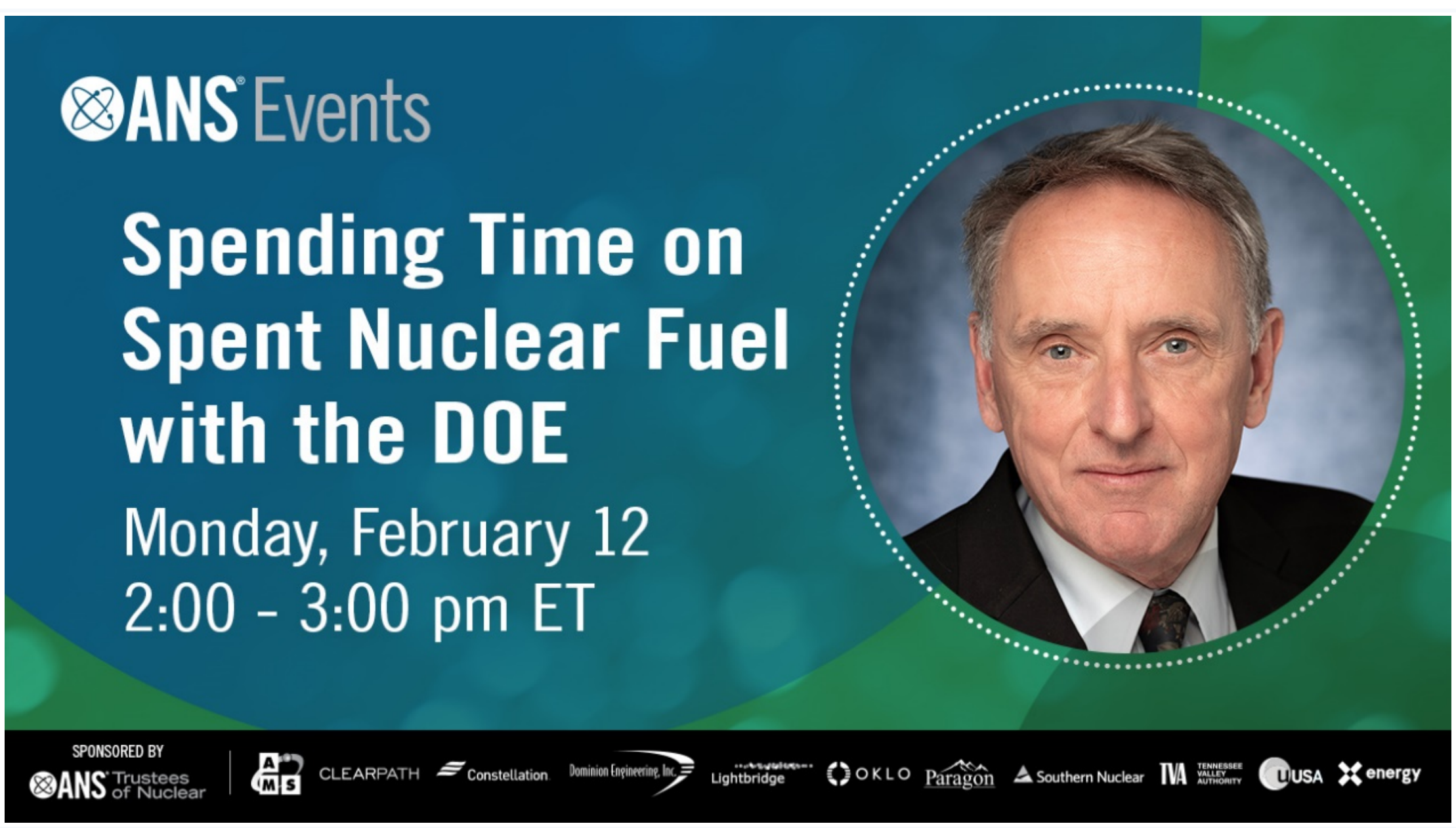
No attachment. Direct links within text above.
~~~~~~

For Awareness: Recording of "Spending Time on Spent Nuclear Fuel with the Department of Energy"

From: Lorraine Quinn Sandstrom
Sent: Monday, February 12, 2024 5:00 PM
To: Dan Stetson; Victor Cabral; Victor Cabral; Martha McNicholas; Michelle Anderson; Michelle Anderson; Mike Balsamo; Katrina Foley; Garry Brown; Jim Desmond; Rob Howard; Sam Jammal; Scott Kibbey; Marni Magda; Val Macedo; Michael Parham; Ted Quinn; John Taylor; Mel Vernon; Michael Villar; Alyssa Napuri; Mark Enmeier; Kristal Jabara; John Gabbard; Mike Sappingfield; Ken Schultz
Cc: Manuel Camargo
Subject: For Awareness: Recording of "Spending Time on Spent Nuclear Fuel with the Department of Energy"

Dear CEP Members and Alternates,

I write to share the February 12, 2024, American Nuclear Society webinar recording "Spending Time on Spent Nuclear Fuel with the Department of Energy," featuring Paul Murray, Deputy Assistant Secretary for Spent Fuel and Waste Disposition, Department of Energy, Office of Nuclear Energy, and founder of LMNT Consulting and former American Nuclear Society President, Steve Nesbit. The link is provided below. recording of today's ANS event and check out our upcoming and recorded programs!


~~~~~~

Recording now available!

Thank you for registering for "Spending Time on Spent Nuclear Fuel with the Department of Energy." We hope you enjoyed today's conversation!

If you missed the program or would like to watch it again, you can now **access the recording**.

Certificate of attendance

ANS members, please **contact us** to request a certificate of attendance for the live event.

Join ANS

Not a member? **Join** our more than 10,000 members dedicated to advancing nuclear science and technology.

Watch now!

Upcoming events

February 20: **Build a Nucleus: K-12 Classroom Investigations**

February 21: **Innovations Student Competition Webinar Series: Part II**

Additional recorded events

Watch more than 50 available recorded panel discussions and other virtual events (some require ANS member login).

Meetings | Webinars | Publications | Nuclear Newswire | Join

ANS Trustees of Nuclear

AMS CLEARPATH Constellation Dominion Engineering, Inc. Lightbridge

OKLO Paragon Southern Nuclear TVA TENNESSEE VALLEY AUTHORITY UUSA X energy

American Nuclear Society

Advancing nuclear science and technology for the benefit of humanity

5200 Thatcher Rd, Suite 142 | Downers Grove, IL 60515

© Copyright 2024 American Nuclear Society

Regards,
Lorraine Sandstrom
Community Affairs and Relations, Senior Specialist
Community Engagement Panel (CEP) Management and Stakeholder Engagement (DA Complex -B)
Southern California Edison, San Onofre Nuclear Generating Station (SONGS)

No attachment. Direct links within text above.
~~~~~~
~~~~~~

For Awareness: Nuclear waste containers must last an entire century, bill proposes (OC Register)

From: Lorraine Quinn Sandstrom
Sent: Thursday, February 8, 2024 2:18 PM
To: Dan Stetson; Victor Cabral; Victor Cabral; Martha McNicholas; Michelle Anderson; Michelle Anderson; Mike Balsamo; Katrina Foley; Garry Brown; Jim Desmond; Rob Howard; Sam Jammal; Scott Kibbey; Marni Magda; Val Macedo; Michael Parham; Ted Quinn; John Taylor; Mel Vernon; Michael Villar; Alyssa Napuri; Mark Enmeier; Kristal Jabara; John Gabbard; Mike Sappingfield; Ken Schultz
Cc: Manuel Camargo
Subject: For Awareness: Nuclear waste canisters must last an entire century, bill proposes (OC Register)

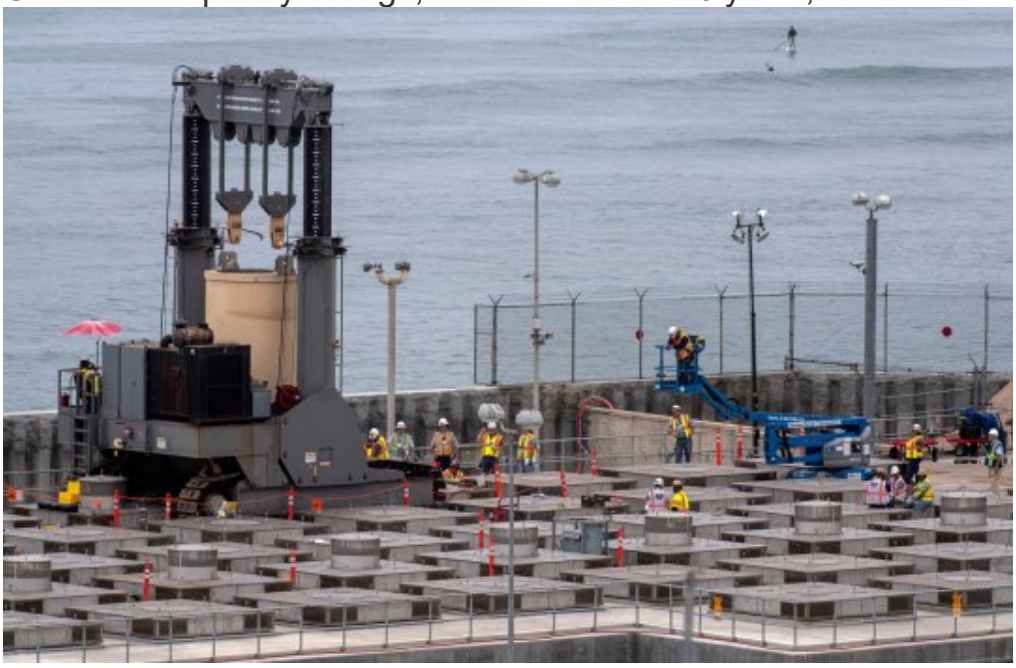
Dear CEP Members and Alternates,

I write to share an article published today in the OC Register regarding a bill reintroduced by Representative, Mike Levin to extend the lifespan of nuclear spent fuel storage system canisters. The link and full article are provided below.

https://www.ocregister.com/2024/02/08/nuclear-waste-canisters-must-last-an-entire-century-bill-proposes/

Nuclear waste canisters must last an entire century, bill proposes

Column: Temporary storage, now licensed for 40 years, would have to last for 100



File photo of workers at San Onofre's dry fuel storage facility readying a canister for its 35,000 pound closure lid. The canister is placed inside the yellow shield cask as it is

moved from the fuel handling building to the storage facility. Once in position, the canister is lowered 20 feet into a steel enclosure surrounded by concrete. (Photo by Mindy Schauer, Orange County Register/SCNG)



By **TERI SFORZA** | tsforza@scng.com | Orange County Register
PUBLISHED: February 8, 2024 at 7:00 a.m. | UPDATED: February 8, 2024 at 7:23 a.m.



This Google Earth image shows how close the expanded dry storage area for spent nuclear waste is to the shoreline at San Onofre Nuclear Generating Station. (Image courtesy of Google Earth)

Will my teenagers be dead before nuclear waste is removed from the bluffs at San Onofre?

That rattles the mind as one contemplates the latest attempt by U.S. Rep. Mike Levin, D-San Juan Capistrano, to shake some action out of his brethren in Congress. In what might be read as an acknowledgement of facts on the ground — i.e., the snail's pace at which the U.S. Department of Energy progresses on this extremely divisive national issue — Levin has introduced, again, the "100 Year Canister Life Act."

It would do exactly as it says: require the Nuclear Regulatory Commission to license only storage systems that can safely contain nuclear waste for an entire century.

That would more than double the required lifespan for temporary storage systems like the ones at San Onofre Nuclear Generating Station,(and more than 70 nuclear plants like it across the nation). Right now, these waste storage systems must last 40 years.
"As I've said ad nauseam, the waste at San Onofre is the symptom of a greater problem," Levin said on a webinar Feb. 2 hosted by the Samuel Lawrence Foundation. "The problem is that we lack a cohesive, comprehensive strategy to deal with spent nuclear fuel across the entire United States."
More than 3.5 million pounds of nuclear waste are stored at San Onofre, near active faults, some 10 million people and the Camp Pendleton Marine base.

Nationwide, the problem is magnified by nearly a hundred-fold: Commercial reactors have generated some 90,000 metric tons of spent nuclear fuel to date, and those still operating could generate another 50,000 metric tons by 2060. That's nearly 309 million pounds of highly radioactive nuclear waste "temporarily" strewn across some 75 sites nationwide, according to the DOE.
And about one-quarter of those sites no longer have operating reactors, resulting in "stranded waste," like we have at San Onofre.

'Raise standards'



Pacific Gas and Electric's Diablo Canyon Power Plant in Avila Beach (file photo).
The bill's co-sponsor is U.S. Rep. Salud O. Carbajal, D-Santa Barbara, whose district includes California's only operating nuclear power plant, Diablo Canyon. Diablo was

slated to close soon, but won a longer lease on life to help the Golden State meet energy demands.

“As we continue working towards long-term solutions… it is important to raise the standards for on-site nuclear waste storage,” Carbajal said in a prepared statement. “Raising these standards will also raise the confidence that nearby communities have in the safety of nuclear power plants, and until there is an agreement on the final storage site for these fuels, this change isn’t just a good precaution, it’s a necessity.”

The good news is that there’s almost $48 billion in the federal Nuclear Waste Fund to fund a permanent solution, already paid by consumers. It earned some $1.7 billion in interest last year.
The not-so-good news is that the DOE has been working on this for nearly half a century, and has little more than the moribund Yucca Mountain to show for it.
“We’re in this situation because the federal government tried to establish a long-term repository for the waste at Yucca Mountain in Nevada without getting the permission or obtaining the consent of the state and all the affected localities and tribes,” Levin said on the webinar. “That was a recipe for failure. And it’s why all the fuel is still sitting in San Onofre today.”

On the upside, the DOE has resurrected a consent-based siting initiative that could, maybe, move waste off the bluffs in about 15 years. But DOE was supposed to have a permanent disposal site up and running by 1998, so you can’t blame folks for being a bit skeptical. That’s why more robust requirements for temporary storage make sense, supporters say.

Temporary?

“The whole design philosophy behind these canisters is that they were there essentially to be a temporary storage until the fuel would be moved to a permanent repository, but that is now an open-ended time frame,” said Gregory B. Jaczko, a physicist who once chaired the NRC, on the webinar.

“So these temporary canisters are now essentially permanent canisters for all intents and purposes, but they’re only licensed for a finite period of time, 40 years. And it’s largely expected that … the canisters will have to last longer than 40 years. So there’s just a lot of hand-waving about both from the agency and from the industry, about how you address that question.”

The systems may well will last longer than 40 years. “But at some point, whatever that time frame is that they will eventually no longer be able to meet their safety requirements and their safety standards … something will have to be done to repackage and remove the fuel and put it in new canisters,” Jaczko said. “Which is why I think Congressman Levin’s 100-year licensing for canisters is such an important

piece of legislation because it really tackles that issue head on. And while 100 years may not even be sufficient in some cases, at least it's more realistic."



The dirt road leading into San Onofre surf beach has been destroyed following the latest storm. The lot at the beloved beach will be closed indefinitely, according to State Parks. (Photo courtesy of State Parks)

Activists who want the waste moved, pronto, have been worrying as storms eat away the dirt road leading to the surfing beach at San Onofre.

"This may be a good time to reflect on who is really in charge," said a recent appeal from San Clemente Green. "The laws of nature always prevail. … Do you think it might be the right time to consider moving 3.6 million pounds of nuclear waste to higher ground while we still can? I'd say Nature is moving faster than we are in this often unrecognized RACE AGAINST TIME."

The NRC tends to keep quiet about these sorts of proposals. San Onofre's operator, Southern California Edison, is as eager to get it off the bluff as anyone.

"We appreciate the support of Reps. Levin and Carbajal of our focus on the safe, on-site storage of spent nuclear fuel," Edison spokesman Jeff Monford said. "We remain committed to making off-site storage and disposal a reality so that we can clear the

San Onofre site of the spent fuel, finish the decommissioning process and restore the land for unrestricted use by the Navy.

"Spent fuel has been safely stored at San Onofre for more than 50 years and stored in dry canisters for more than 20 years. We are committed to its safe storage as long as it remains at San Onofre."

Levin said it's critical that the best technology be used to keep communities as safe as possible. "I'm going to be pushing very hard for this bill to become law," Levin said. "It's not going to happen overnight, but we've got to keep at it."

Here's hoping my 19 and 13 year old girls will still be alive when that happens.

Regards,
Lorraine Sandstrom
Community Affairs and Relations, Senior Specialist
Community Engagement Panel (CEP) Management and Stakeholder Engagement (DA Complex -B)
Southern California Edison, San Onofre Nuclear Generating Station (SONGS)

No attachment. Direct links within text above.
~~~~~~

SONGS CEP Save-the-Date and Shareables

From: Manuel Camargo
Sent: Tuesday, January 23, 2024 4:26 PM
To: Michelle Anderson; Mike Balsamo; Mark Enmeier; Jim Desmond Kristal Jabara; Katrina Foley; Alyssa Napuri; Garry Brown; Rob Howard; Sam Jammal; Scott Kibbey; Val Macedo; Marni Magda; Ted Quinn; Mark Riddlebarger; Mike Sappingfield; Ken Schultz; John Taylor; Captain Mel Vernon; Michael Villar; Adam Tallabas; Victor Cabral; Martha McNicholas; Daniel T. Stetson; Michael Parham
Cc: Vincent J Bilovsky; Fred M Bailly; James Peterson; Liese Mosher; Lorraine Quinn Sandstrom; Julie Holt; Kelli Gallion-Sholler
Subject: SONGS CEP Save-the-Date and Shareables

Hello Community Engagement Panel,

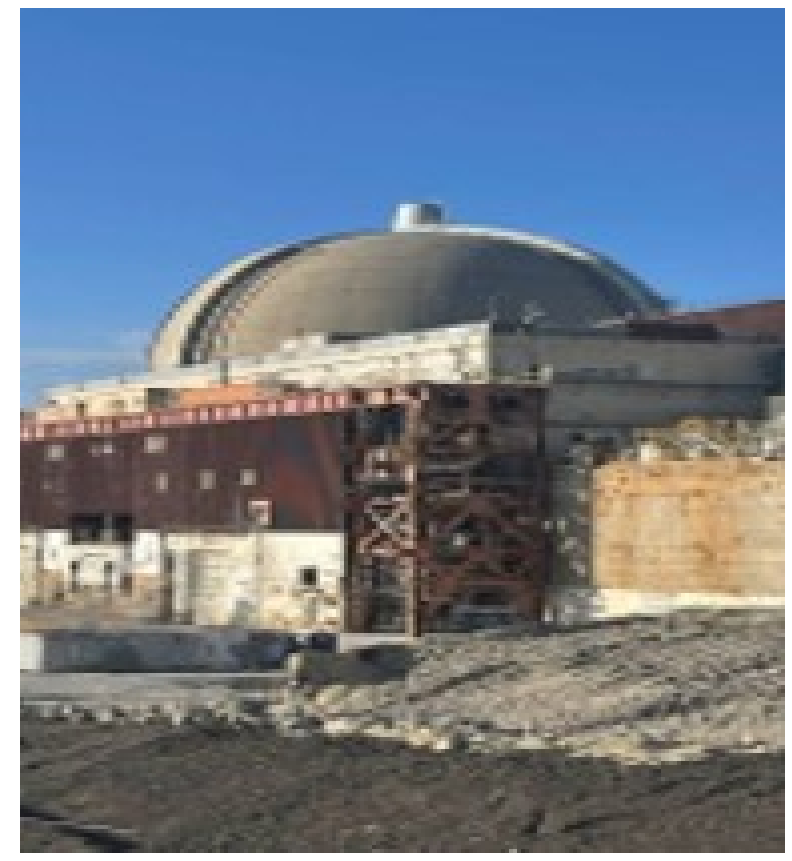
Hope 2024 is off to a good start for you all. Here at SONGS the team is back from the holidays and working diligently on the decommissioning project that, today, is more than halfway complete and on track for completion by the end of 2028. See the photo for what little remains of the red turbine structure that once stood more than 72 feet tall.
~~~~~~

Compilation of Public Email Communications
1-8-24 to 2-26-24

CEP Meeting

Please save March 7 for our 1Q 2024 CEP meeting. The virtual meeting will focus on environmental stewardship including the cleanup and release of wastewater as well as the results of our Radiological Environmental Monitoring Program. More to come on that meeting.





Public Tours

For those in your networks with an interest in SONGS decommissioning, please feel free to share the Request a Tour link to request a public tour.

Private Tours for CEP Members

If you as CEP members would like to see the latest at SONGS, please contact Julie Holt (email: Julie.c.holt@sce.com) to schedule a private tour.

Holtec System Has a New Look

The SONGS landscape continues to evolve as demolition progresses. Even the Holtec UMAX dry storage system for spent fuel has a new look. We're adding what are essentially "umbrellas" for extra protection from wind-driven rainwater. Installation will be done gradually over the next few months.

Offsite Storage and Disposal

We continue to advocate for Congressional leaders to take action and make off-site storage and disposal of spent fuel a reality. Relatedly, the Spent Fuel Solutions coalition is hosting a webinar via Zoom at 8 am on January 29 when mayors of cities in Finland and Sweden will discuss why they support hosting deep geologic repositories for spent fuel for their countries. To RSVP or submit questions for the panelists please send an email to info@spentfuelsolutionsnow.com. Feel free to share the SFS events page with others.

Thanks as always for your interest in SONGS decommissioning and spent fuel management.

Best regards,
Manuel

Manuel C. Camargo Jr.
Principal Manager, Strategic Planning
Southern California Edison | SONGS Decommissioning

No attachment. Direct links within text above.

~~~~~~
~~~~~~

For Awareness: SONGS Educational Opportunities for Teachers and Students of the Capistrano School District

From: Lorraine Quinn Sandstrom
Sent: Thursday, January 11, 2024 12:26 PM
To: Dan Stetson; Victor Cabral; Victor Cabral; Martha McNicholas; Michelle Anderson; Mike Balsamo; Katrina Foley Garry Brown; Jim Desmond; Rob Howard; Sam Jammal; Scott Kibbey; Marni Magda; Val Macedo; Ted Quinn; John Taylor; Mel Vernon; Michael Villar; Alyssa Napuri; Mark Enmeier; Kristal Jabara; John Gabbard; Mark Riddlebarger; Mike Sappingfield; Ken Schultz
Cc: Manuel Camargo
Subject: For Awareness: SONGS Educational Opportunities for Teachers and Students of the Capistrano Unified School District

Dear CEP Members and Alternates,

I write to share a new SONGS flyer offering educational opportunities and tours for the teachers and students of the Capistrano Unified School District. The flyer will be distributed to school principals next week.

Best regards,
Lorraine Sandstrom
Community Affairs and Relations, Senior Specialist
Community Engagement Panel (CEP) Management and Stakeholder Engagement (DA Complex -B)
Southern California Edison, San Onofre Nuclear Generating Station (SONGS)

Attachment #1- SONGS Flyer for Capistrano Unified School District, January 11, 2024
~~~~~~

For Awareness: Spent Fuel Solutions Coalition Webinar Jan. 29, 8:00 – 9:00 PDT

From: Lorraine Quinn Sandstrom
Sent: Monday, January 8, 2024 2:34 PM
To: Dan Stetson; Victor Cabral; Victor Cabral; Martha McNicholas; Michelle Anderson; Michelle Anderson; Mike Balsamo; Katrina Foley; Garry Brown; Jim Desmond; Rob Howard; Sam Jammal; Scott Kibbey; Marni Magda; Val Macedo; Ted Quinn; John Taylor; Mel Vernon; Michael Villar; Alyssa Napuri; Mark Enmeier; Kristal Jabara; John Gabbard; Mark Riddlebarger; Mike Sappingfield; Ken Schultz
Cc: Manuel Camargo
Subject: For Your Awareness: Spent Fuel Solutions Coalition Webinar Jan 29, 8:00 - 9:00 AM PDT

Dear CEP Members and Alternates,

I write to make you aware of an upcoming webinar hosted by the Spent Fuel Solutions coalition that will feature the current Mayor of Eurajoki, Finland, and the former Mayor of Osthammar, Sweden, who will
~~~~~~

talk about their experience and interest in hosting deep geologic repositories for spent nuclear fuel for their respective countries. Hope you will be able to tune in.

A video of the webinar will also be posted to the SFS website at www.spentfuelsolutionsnow.com/events.

Feel free to share this information with others who have an interest in the disposition of spent fuel.

Best regards,
Lorraine Sandstrom
Community Affairs and Relations, Senior Specialist
Community Engagement Panel (CEP) Management and Stakeholder Engagement (DA Complex -B)
Southern California Edison, San Onofre Nuclear Generating Station (SONGS)



SAVE THE DATE

Join Spent Fuel Solutions and current and former officials from Finland and Sweden for an informational webinar on their interest in hosting a permanent repository for spent nuclear fuel in their communities. Our panelists include:

Vesa Lakaniemi, Mayor of Eurajoki Municipality, Finland
Jacob Spangenberg, former Mayor of Östhammar Municipality, Sweden

When: Monday, January 29
8 a.m. - 9 a.m. Pacific time

Where: https://us02web.zoom.us/j/86474560164
By Telephone: +1 669 444 9171
Webinar ID: 864 7456 0164

To RSVP or submit questions, please email us at **info@spentfuelsolutionsnow.com**.

We look forward to seeing you there!

ABOUT THE COALITION

Spent Fuel Solutions is a group of local governments, elected officials, utilities, environmental groups, labor leaders, Native American leaders, business organizations and other community members who support the relocation of spent nuclear fuel to a federally licensed facility.

*Copyright © *2024* *Spent Fuel Solutions*, All rights reserved.*

Our mailing address is:
Spent Fuel Solutions · PO Box 431 · San Luis Rey, CA 92068 · USA

Want to change how you receive these emails?
You can update your preferences or unsubscribe from this list.

No attachment. Direct links within text above.