Suggested Agenda Topic for SONGS CEP

From: David G. Victor
Sent: Monday, August 7, 2023 12:57 PM
To: Charles Langley; Daniel Stetson
Cc: Nina Babiarz; Manuel Camargo; Lorraine Quinn Sandstrom
Subject: (External):Re: Suggestion/Request for SONGS CEP

Thanks. I will include this in the next circular of emails going to the CEP. We will have a conversation about future meetings at the upcoming CEP meeting and again in the fall as the schedule for 2024 comes into shape.

My sense is that the single most important aspect of climate change affecting SONGS is sea level rise and the risk of greater-than-expected sea level rise. The Coastal Commission already includes that in their SLR assessments and extreme scenarios. Those risks, which implicated the ISFSI, we have discussed periodically in the context of defense in depth. (Wildfire is, of course, a huge risk to CA. but an isolated industrial site like SONGS has low to negligible risks of that type—a question we'll put to ScE leadership nonetheless)

Small world that it is, my research group does a lot of research on this issue. Attached is a paper from 2018 in Nature that explains why the confluence of factors is leading to rapid warming—and predicts, to some extent, what we are observing right now.

All best
David Victor

From: Charles Langley
Date: Monday, August 7, 2023 at 12:47 PM
To: David G. Victor, Daniel Stetson
Cc: Nina Babiarz
Subject: Suggestion/Request for SONGS CEP

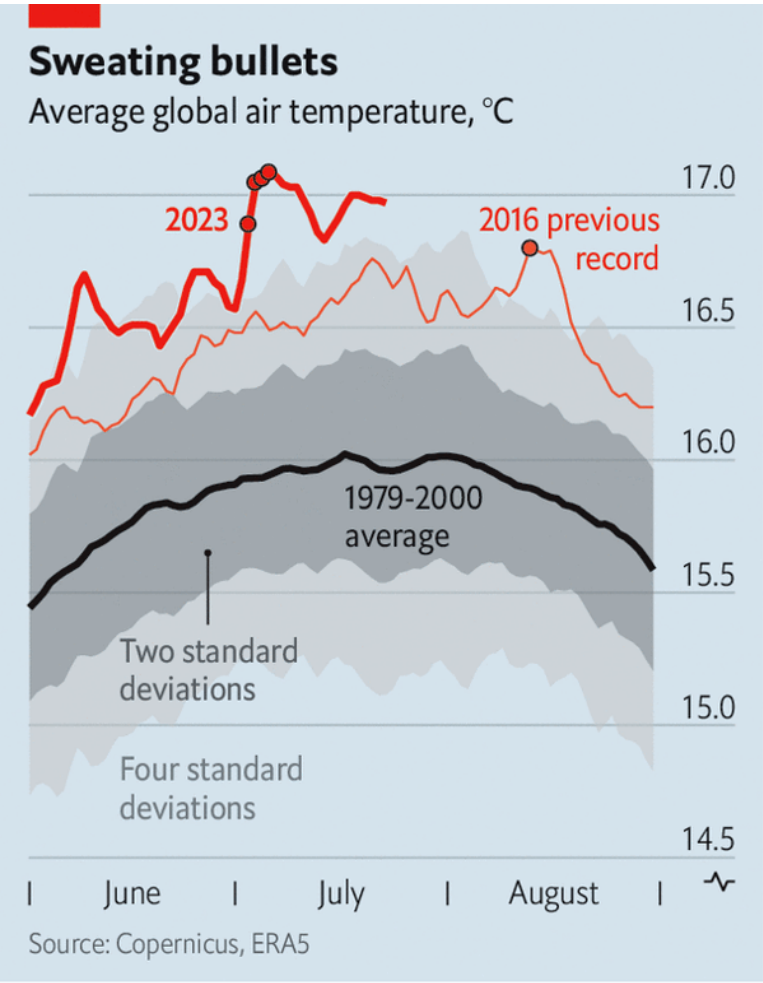
Dr. Victor, and Dan Stetson,

My colleague, Nina Babiarz, just asked the question "Why hasn't the CEP conducted any meetings on global warming?"

We would like to suggest (if you have not done so already) that you try and schedule a meeting that evaluates the effect of climate change on the San Onofre Nuclear Generating Station sooner, rather than later.

In support of this request I include the following article and chart from the **July 27 issue of *The Economist*** which bases its analysis on data from the European Union's Copernicus Climate Reanalysis model.

According to the article, for the first time in its recorded history, " *... the average global temperature has simmered at a consistent four to six standard deviations above levels recorded from 1980 to 2000.*"



The Economist

The article also observes that:

"*In the first week of July the mean global temperature crossed the 17°C threshold for the first time, reaching a steamy 17.08°C. The average global temperature for the month as a whole is poised to be warmer than the hottest previous single-day average on record*."

I think it is unlikely that this trend will be reversed. In closing, I reiterate our request that the Community Engagement Panel schedule a meeting on Edison's evaluation of the impact of climate change on the SONGS ISFSI.

Charles Langley, Executive Director
Public Watchdogs
www.publicwatchdogs.org
Mail: 7918 El Cajon Blvd, No 310, La Mesa CA, 91942

FULL ARTICLE ... The Economist
Finance and economics | Turning up the heat

Soaring temperatures and food prices threaten violent unrest

Expect a long, hot, uncomfortable summer



image: Getty Images
Jul 27th 2023

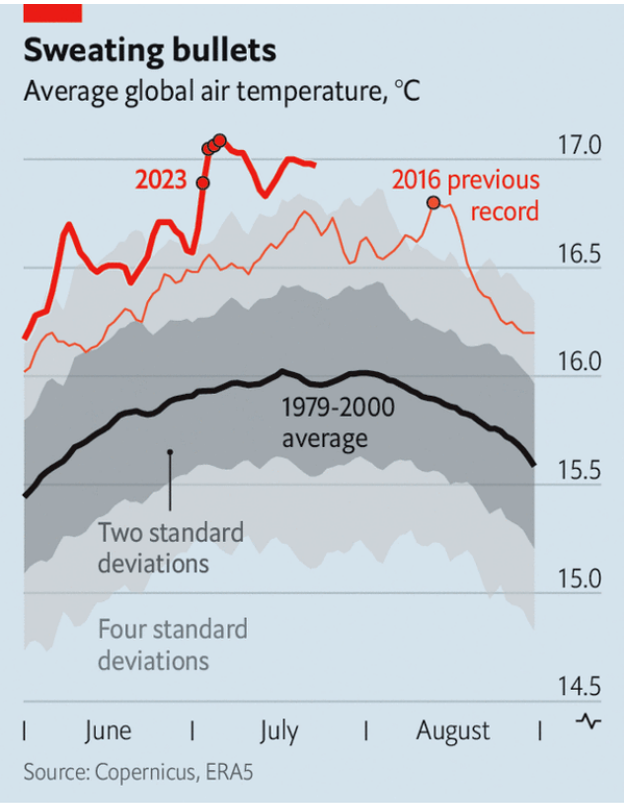
Protests have a funny way of kicking off when the mercury soars. The summer of 1967 is best known as "the summer of love". It was a time when hippies flocked to America's west coast to protest war, take drugs and peace out. But it was also a time when more than 150 race riots struck everywhere from Atlanta to Boston amid brutal temperatures, earning the period another name: "The long, hot summer."

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As the world warms, the link between heat and social disturbance is an increasingly important one and, this summer, an especially concerning one. Each upheaval has its own causes, but certain factors make disturbances more likely everywhere. Surging temperatures, rising food prices and cuts to public spending—three of the strongest predictors of turmoil—have driven estimates of the potential for unrest to unprecedented highs in recent months. These estimates will probably rise higher still this summer. Temperatures are unlikely to have peaked. Russia's exit from the Black Sea Grain Initiative to export supplies from Ukraine and India's recent ban on rice exports may raise the price of staples. Social unrest is already bubbling in Kenya, India, Israel and South Africa.

The summer of our discontent

In the first week of July the mean global temperature crossed the 17°C threshold for the first time, reaching a steamy 17.08°C. The average global temperature for the month as a whole is poised to be warmer than the hottest previous single-day average on record. This sort of weather spells trouble. In a study published in *Science*, Marshall Burke of Stanford University and Solomon Hsiang and Edward Miguel of the University of California, Berkeley, show that an uptick in temperature of just one standard deviation above the long-term mean—the kind of deviation a statistician expects to observe about once every six days—drives an increase in the frequency of unrest of almost 15%.



The Economist

In the eight weeks since the start of June, the average global temperature has simmered at a consistent four to six standard deviations above levels recorded from 1980 to 2000. Our rough calculations, which extrapolate the relationship indicated in the *Science* study, suggest that record temperatures in June and July could have raised the global risk of violent social unrest by somewhere in the region of 50%. The effects of El Niño, a weather pattern that brings warmer temperatures worldwide and recently got under way, are likely to produce a scorching end to the northern summer and start to the southern summer. Indeed, the phenomenon has coincided with more than one-fifth of all civil conflicts that have taken place since 1950.

Verisk Maplecroft, a risk-intelligence company, maintains a civil-unrest index that forecasts the potential for business disruption caused by social disturbances, including violent upheaval, on a country-by-country basis. According to the firm's estimates, the risk of global social unrest in the third quarter of 2023 is the highest since the index was created in 2017. That is because of both heat and the higher cost

of living, says Jimena Blanco, the firm's lead analyst. "High rates of food price inflation are a particular risk," she warns.

Global inflation seems to have passed a peak, and international grain prices are lower than last year's high. But that does not mean prices paid by consumers have stopped rising. In June annual food-price inflation was 17% in Britain, 14% in the eu and nearing 10% in Canada and Japan. It is higher still in many developing economies, especially those in Africa. Food-price inflation is close to 25% in Nigeria, 30% in Ethiopia and 65% in Egypt (the highest rate in the country's history).

Bread-and-butter issues

Lower wholesale prices should in time feed through to consumers. But Russia's choice to scupper the Black Sea Grain Initiative on July 17th, which was followed by four nights of attacks on the Ukrainian ports of Chornomorsk and Odessa in the Black Sea, has disturbed food markets, pushing prices in the opposite direction. Dry conditions elsewhere are also likely to exacerbate difficulties. Yields of Australian barley and wheat are forecast to decline by 34% and 30% this harvest. Stocks of American maize, wheat and sorghum are down by 6%, 17% and 51%. Last year these countries were the world's two biggest exporters of the cereals by value.

More concerning still are events in India, which produces roughly 40% of global rice exports, and has suffered from debilitating rains this year. On July 20th the government responded by banning exports of all non-Basmati rice from the country. This will reduce global rice exports by about 10%, with almost immediate effect. The United Nations Food and Agriculture Organisation estimates that together maize, rice and wheat provide more than two-fifths of the world's calorific intake. Among the world's poorest populations, the figure may rise to four-fifths. If prices do not start to fall soon, people will only get hungrier. And hungrier people are more likely to hit the streets.

Fiscal austerity may further destabilise things. Many governments have committed to raising taxes or cutting expenditures in order to bring debt under control after lavish spending during covid-19. Jacopo Ponticelli of Northwestern University and Hans-Joachim Voth of the University of Zurich investigated almost a century of data from 25 European economies. They discovered that each additional 5% cut in government spending increases the frequency of social unrest by 28%.

Social upheaval can have a scarring effect on economies, too. Metodij Hadzi-Vaskov, Samuel Pienknagura and Luca Ricci, all of the imf, recently looked at 35 years of quarterly data from 130 countries. They found that even 18 months after a moderate episode of social unrest a country's gdp remains 0.2% lower. By contrast, 18 months after a major episode of unrest a country's gdp remains 1% lower.

Countries beyond the rich world have a more concerning outlook. The damage done by unrest is about twice as large in emerging markets as in advanced economies, according to the imf researchers, with lower business and consumer confidence, and heightened uncertainty, exacerbating the much greater risk of sudden capital flight. This bodes ill for what is set to be a year of rising food prices, boiling weather and spending cuts. Expect a long, hot, uncomfortable summer. ■

For more coverage of climate change, sign up for the Climate Issue, our fortnightly subscriber-only newsletter, or visit our climate-change hub.

This article appeared in the Finance & economics section of the print edition under the headline "Turning up the heat"

Finance & economics July 29th 2023

- Can UBS make the most of finance's deal of the century?
- America's battle with inflation is about to get trickier
- Soaring temperatures and food prices threaten violent unrest
- Investors are seized by optimism. Can the bull market last?
- Deflation is curbing China's economic rise

Attachment #1 – Global warming will happen faster than we think, by Yangyang Xu, Veerabhadran Ramathan and David Victor, Nature, Vol. 564, December 6, 2012
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Public Watchdogs' DOE Questions for Submittal in Writing

From: Manuel Camargo
Sent: Thursday, August 3, 2023 1:41 PM
To: cathy iwane; David G. Victor
Cc: Charles Langley; Alice McNally; San Clemente Green; Daniel T. Stetson; Martha McNicholas; Nina Babiarz; Lorraine Quinn Sandstrom
Subject: RE: (External):Re: (External):Re: Public Watchdogs' DOE Questions for Submittal in writing

Hello Cathy,

Confirming we will make your revised email part of the public record in connection with the 2Q CEP meeting with DOE. I also will share your reply with Ms. Saraeva. Thank you.

> *Dear Manuel,*
>
> *Thank you for forwarding Ms. Saraeva's response to my question regarding the DOE's judgement call on including Holtec as one of 13 $2 million awardees in the Consent-Based Siting Consortia. She's made it very clear that the DOE has no issue with using tax payers' money to fund a corporation with criminal record.*
>
> *Thank you for facilitating this dialogue.*
>
> *Sincerely,*
>
> *Cathy Iwane*

Manuel

Manuel C. Camargo Jr.
Principal Manager, Strategic Planning

On Friday, July 28, 2023, 01:17:27 PM PDT, Manuel Camargo wrote:

Dear Cathy,

Coincidentally, today 28 July, I received DOE's response to your question from the 2Q CEP meeting. Pasted here is your question as we heard it and DOE's verbatim reply.

QUESTION

How is it that the DOE has awarded Holtec money when they (Holtec) have been under investigation for bribery and exorbitant tax crediting, cited for numerous violations, and become a recipient to money to further this conversation? And why the heck is this not considered a conflict of interest since they are indeed (word inaudible) in terms of storage?

ANSWER

Dear Ms. Iwane,

Thank you for your inquiry. As U.S. Department of Energy (DOE) moves forward with consent-based siting, we remain open to many diverse perspectives. My team will carefully consider your valuable feedback.

Because this funding opportunity aims to build capacity, the only entities prohibited from applying were Federally Funded Research and Development Centers (FFRDCs). From there, DOE welcomed the opportunity to work with a mix of entities from the private sector, academia, non-governmental organizations, and more. This diversity - both institutional and geographical - will help us bring a range of voices and viewpoints into the process.

There are currently three vendors for spent nuclear fuel storage systems in the US. Holtec is one of them. All three vendors are expected to supply storage systems for a federal consolidated interim storage facility. Including a vendor among the consent-based siting awardees brings relevant technical expertise to the Consent-Based Siting Consortia.

The selected awardees will support community engagement, inclusively involve stakeholders, build relationships, and develop innovative forms of mutual learning and public capacity building to participate in the consent-based siting process for a federal consolidated interim storage capability. Each of the selected entities plans to accomplish this in a unique way, by leveraging their strengths and experience. Given that the consortia process is grounded in mutual learning, we anticipate that all consortia members will learn from the engagements, from DOE, and from one another.

Sincerely,

Natalia Saraeva

Team Lead, Consent-Based Siting

Office of Spent Fuel and Waste Disposition
Office of Nuclear Energy
U.S. Department of Energy

Best regards,

Manuel

Manuel C. Camargo Jr.

Principal Manager, Strategic Planning

Southern California Edison | SONGS Decommissioning

From: cathy iwane
Sent: Friday, July 28, 2023 12:36 PM
To: David G. Victor
Cc: Charles Langley; Alice McNally; San Clemente Green; Daniel T. Stetson; Martha McNicholas; Nina Babiarz; Lorraine Quinn Sandstrom; Manuel Camargo
Subject: (External):Re: Public Watchdogs' DOE Questions for Submittal in writing

Dear Dr. Victor,

Apologies for my late response as I was out of the country. Thank you for your email and for cc'ing Ms. Lorraine Sandstrom on this string of communications regarding my CEP question on the DOE including Holtec as one of 13 recipients of $2 million to 'further the consent-based siting of SNF dialogue' though this company is in the business of said siting at their proposed CISFs and stands to profit immensely.

For all concerned, please see the following itemizing my allegations of Holtec's criminal record:

- **TVA Bribery Conviction & Debarment:** A TVA supervisor pled guilty in 2007 to a federal cxharge of failing to disclose the receipt of about $55,000 in payments from a Holtec contractor in connection with t a contract to build a storage facility for spent nuclear fuel at TVA's Browns Ferry Nuclear Plant in Alabama. The TVA devarred Holtec from doing business with it for 60 days. Holtec was also reportedly forced to agree to pay a $2 million "administrative fee" and to submit to independent monitoring of its operations for 12 months.
- **New Jersey Tax Fraud issues:** https://www.wnyc.org/story/huge-tax-break-went-politically-connected-company-new-jersey-despite-red-flags/

https://www.propublica.org/article/holtec-international-george-norcross-tax-breaks

New Jersey awarded a $260 million "Grow NJ" tax credit from the state's Economic Development Authority (EDA), the second largest tax break in New Jersey's history. It was put on hold when investigative reporting found Singh's falsely sworn certification in the EDA

application claiming Holtec had never been barred from doing business with a state or federal agency.

- **Ohio Tax Credits Stripped**: https://www.crainscleveland.com/scott-suttell-blog/new-jersey-learned-too-late-what-ohio-already-knew-about-holtec-international Just weeks before filing its application in New Jersey, Ohio stripped Holtec of state tax cridits for failing to create the jobs it had promised as part of a tax break program. According to records, none of the 200 jobs Holtec had pledged to bring to Orrville, a small town outside Akron, Ohio, never materialized - 2019.

Does the DOE's judgement in rewarding Holtec not concern you? By extension, in hosting DOE at your CEP meeting is SCE not tasked with facilitating transparent dialogue on issues concerning SONGS decommissioning with the community?

Sincerely,

Cathy Iwane

On Monday, July 17, 2023, 06:26:04 PM PDT, David G. Victor wrote:

Dear Ms Iwane

Thanks for your note, and apologies for delay in reply. I have been away.

It is my understanding that the multi-part question from Public Watchdogs went to DOE on June 19 (via SCE—they were the DOE point of contact for the last CEP meeting). After reviewing the transcript your question about Holtec went to DOE on June 29. So far I have not seen a reply; I will inquire again.

Please appreciate that I have no control over DOE nor capacity to predict what they will answer or when. On the matter of a grant award, typically government agencies don't say much about how factors are weighed. But we shall see.

You and your colleagues may be interested in the DOE webinar next week:

https://content.govdelivery.com/accounts/USDOEPNNL/bulletins/3651667

That may be an opportunity to ask additional questions of DOE.

I copy Lorraine at SCE with request that she include a copy of this email thread with the next batch of correspondence that we share with the CEP for awareness.

All best

David Victor

From: cathy iwane
Date: Friday, July 14, 2023 at 5:38 PM
To: David G. Victor
Cc: Charles Langley, Alice McNally, San Clemente Green, Dan Stetson, Martha

McNicholas, Nina Babiarz
Subject: Re: Public Watchdogs' DOE Questions for Submittal in writing

Dear Dr. Victor,

At the last CEP meeting, I posed this question to the DOE representative in attendance: *"How can the DOE justify Holtec be awarded 2 million dollars to 'further the consent-based siting conversation' when they have been under investigation for bribery, tax crediting schemes in NJ and having been cited for numerous NRC violations. Why/how is this not a conflict of interest when Holtec is in the business of Consolidated Interim Storage?"*

Since the DOE is using tax payer monies to finance their Consent-Based Siting scheme for our country's nuclear waste, and since I am a tax payer in good standing I believe that the public deserves an answer to my question. As such, I emailed this question via the SONGS website CEP question submittal portal prior to the meeting.

If you scroll this thread, you will refresh your memory and find that you assured me that you'd forward my question to the DOE. You responded, "We will ask."

One month has elapsed since my query, yet there's been no response or even notification that you emailed the DOE. Can you kindly respond?

I hope you can appreciate the frustration felt by the SONGS safety advocacy community when Teams App links to attend so-called 'public' meetings, *funded by the public*, are

incorrectly posted on the SONGS website. Mysteriously though, correctly working links are obviously emailed to SCE's partners & CEP panelists. Clearly, CEP engagement with the community is being kept to a minimum and the public is painfully aware of these optics.

Sincerely,

Cathy Iwane

Del Mar, CA

On Wednesday, June 28, 2023, 06:21:37 PM PDT, Nina Babiarz wrote:

David – As So Ca Edison's CEP Chair, I hope you'd welcome the NRC's clarity (See Attached) regarding the terminology that Doug Bauder and others @ SCE continue to inaccurately represent by stating that the scratches and gouges left on the cans are synonymous with the term '*incidental contact*'. Scott Morris/NRC differentiates the term '*incidental contact*' and that it ONLY represents the mechanism by which scratches and gouges could occur.

In other words, ***'incidental contact'* should not be used as a synonym for damage to the canisters.**

Hoping, as So CA Edison's CEP Chair, you'll offer that correction the next time that misrepresentation occurs.

- Nina

Attachment #2 - Scott Morris, NRC, 10-18-21 Email to Langley re: Question about SONGS "incidental contact"
Attachment #3 - Canister-Corrosion.png. Bet Seismic Restraints 1 & 2
Attachment #4 - Canister-Gouging.png. Bet Seismic Restraints 3 & 4
Attachment #5 - Canister-Scrape.png. Bet Seismic Restraints 6 & 7

From: David G. Victor
Sent: Wednesday, June 28, 2023 7:35 AM
To: Nina Babiarz; cathy iwane; Manuel Camargo
Cc: Charles Langley; Alice McNally; Paul Blanch PE; San Clemente Green; Dan Stetson; Martha McNicholas
Subject: Re: Public Watchdogs' DOE Questions for Submittal in writing

Thanks Nina. Given your concerns about intermediary communication I think the proposal you make at the end of your note, if I understand it correctly, is to reach out directly to folks at DOE and beyond. All best, David

From: Nina Babiarz
Date: Tuesday, June 27, 2023 at 5:51 PM
To: David G. Victor, cathy iwane, Manuel Camargo
Cc: Charles Langley, Alice McNally, Paul Blanch PE, San Clemente Green, Dan Stetson, Martha McNicholas
Subject: RE: Public Watchdogs' DOE Questions for Submittal in writing

David –

Although Public Watchdogs appreciates the effort, we do not believe that Manual would be the most objective liaison of questions posed by Public Watchdogs to DOE when some of those question's include damage to the thin-walled cans of which SCE appears to be in denial.

If such communication has already been facilitated by Manuel, we again - as previously requested below – trust that Public Watchdogs be copied on the transmission of any/all correspondence related to Public Watchdogs' DOE questions that went to & was responded to by DOE.

Public Watchdogs has decided to go a more objective and direct route with our questions to DOE. – Best Regards, Nina

From: David G. Victor
Sent: Friday, June 16, 2023 3:57 PM
To: Nina Babiarz; cathy iwane; Manuel Camargo
Cc: Charles Langley; Alice McNally; Paul Blanch PE; San Clemente Green; Dan Stetson; Martha McNicholas
Subject: Re: Public Watchdogs' DOE Questions for Submittal in writing

Thank you Nina. Manuel will be following up with DOE. David

From: Nina Babiarz
Date: Friday, June 16, 2023 at 11:53 AM
To: "David G. Victor", cathy iwane, Manuel Camargo

Cc: Charles Langley, Alice McNally, Paul Blanch PE, Gary Headrick, Dan Stetson, Martha McNicholas
Subject: RE: Public Watchdogs' DOE Questions for Submittal in writing

Dr. Victor:

Public Watchdogs believes that SONGS is not just a DOE problem but a comprehensive crisis that should encompass, not just DOE Secy./Granholm, but also the DOD Secy/Austin and DOT Secy./Buttigieg in order to ensure a comprehensive solution. We request the questions (below) I asked last night be forwarded to DOE reps; Vincent Ialenti, and Natalia Saraeva.

Please copy both Charles and myself on that correspondence to DOE as well as their response. – Thank You, Nina

P.S. Cathy's 2nd question, regarding the damaged cans was inaccurately responded to by Bauder/SCE. Public Watchdogs will be addressing Bauder's response in a separate and specific manner.

1. Are you aware that during the downloading process& as a direct result of the *'near miss'* accidents of both July and August 2018 of the Holtec UMAX System, that All 73 cans have been scratched and gouged?
2. Are You aware that SCE refuses to use the **ONLY accurate** calculation method to measure the depth of the gouges as recommended by the Independent, Third-Party Inspection and Maintenance Program as mandated by the Ca Coastal Commission upon granting SCE their demolition permit?
3. Are you aware that when Congressman Scott Peters, who sits on the House Commerce and Energy Committee with jurisdiction of the NRC, asked NRC Chair Hanson in a Commerce & Energy Committee hearing what would need to be done to ensure the damaged cans are transportable, that Chair Hanson responded that the canisters would need to be repackaged?
4. Are you aware that the spent fuel pools at San Onofre are gone and all requests to the NRC for a Hot Cell so that the cans could be 'repackaged' as Hanson suggested have been met with rejections?
5. Will the Dept. of Energy adhere to its 'Acceptance Criteria' to ensure structural integrity of the cans during transport and CIS?
6. Are you aware that a critical portion of the LOSSAN Rail Corridor to the North of SONGS has experienced yet another bluff collapse and has been shut down again today?
7. Are you aware that when SCE applied to the CA State Lands Comm. for its FEIR, it changed the insurance on its lease to be 'Self-insured'. The Public wants to know what assets/collateral has SCE put up to 'Self-insure'? Ratepayers Decom Trust Fund? The Public has a Right to Know.

From: David G. Victor
Sent: Thursday, June 15, 2023 7:31 PM
To: cathy iwane; Manuel Camargo
Cc: Charles Langley; Nina Babiarz; Alice McNally; Paul Blanch PE; San Clemente Green; Dan Stetson; Martha McNicholas
Subject: Re: (External):Re: (External):RE: AUDIO PROBLEMS

Cathy

The question about Holtec will be part of the list that gets sent to DOE. However, I don't think they will be allowed to comment on the award process regarding individual awardees. We will ask.

The second question will be asked in the public comment period coming up—because it pertains to SCE.

Thanks

David

From: cathy iwane
Date: Thursday, June 15, 2023 at 7:29 PM
To: Manuel Camargo, David G. Victor
Cc: Charles Langley, Nina Babiarz, Alice McNally, Paul Blanch PE, San Clemente Green
Subject: Re: (External):Re: (External):RE: AUDIO PROBLEMS

To Whom it May concern,

I'm grateful you could address Alice and Nina's questions. However, I'm wondering why, out of the questions asked your CEP panel completely ignored my questions to DOE regarding why they would allow Holtec to be awarded 2 million dollars to 'further the consent-based siting conversation' when they have not only been under investigation for bribery, tax crediting schemes in NJ and having been cited for numerous NRC violations. Why/how is this not a conflict of interest when Holtec is in the business of Consolidated Interim Storage? Why would you not address this question?

Secondly, I asked how and when SCE will address the damaged Holtec canisters because the Dep't of Transportation will not transport damaged canisters. We know that the NRC has submitted that all Holtec canisters at SONGS are indeed scratched and gouged. So even though an Interim Storage Facility is nowhere near becoming a reality, how is it that SCE can tell the public that 80% of their SNF is ready to be shipped off? Again, why was my question completely unaddressed/ignored?

Looking forward to your earliest response,

Cathy Iwane

On Thursday, June 15, 2023, 07:19:30 PM PDT, cathy iwane wrote:

David:

Here's your link which was not working for us. Very simply, it's the link posted on your SONGS website re: how to access the meeting via Microsoft Teams App. As well, your call in number allowed me to simply join, yet I could hear nothing, below:

Jun 15, 2023
5:30 PM - 8:30 PM



The SCE SONGS Community Engagement Panel and the Spent Fuel Solutions coalition have joined efforts to host a public meeting with the US Department of Energy to discuss its $26 million in awards to build capacity and stimulate public engagement on consent-based siting of consolidated interim storage facilities for commercial spent nuclear fuel.

This meeting will include two separate public comment periods. A Department of Energy (DOE) public comment period during the first half of the meeting for questions related to the DOE presentation and a general public comment period at the second half of the meeting for questions related to the other CEP topics presented. See details for joining the meeting and submitting questions below.

How to Join the Meeting Virtually via Microsoft Teams

Microsoft Teams meeting

Join on your computer or mobile app

Click here to join the meeting

Or call in (audio only)

+1 213-297-0156,,19092642# United States, Los Angeles

Phone Conference ID: 456 532 006#

Find a local number | Reset PIN

Meetings MAY be recorded only if the presenter enables the recording feature AND initiates recording. If the meeting is being recorded, you will be warned and you may either consent to recording by staying on the call or hang up and contact meeting host.

Learn More | Help | Meeting options | Legal

On Thursday, June 15, 2023, 06:29:54 PM PDT, David G. Victor wrote:

Nina, Gary, others:

Can you forward to me the li k that was not working. After the meeting I'd like to diagnose the problem. I think it might be an old link

Thx

David

Sent from limited typing device

On Jun 15, 2023, at 6:26 PM, Manuel Camargo wrote:

There is nobody in a queue waiting to be admitted. Hope you all finally made it "into" the meeting.

From: Charles Langley
Sent: Thursday, June 15, 2023 6:14 PM
To: Manuel Camargo
Cc: Nina Babiarz; David G. Victor; Alice McNally; Paul Blanch PE; Cathy Iwane; San Clemente Green
Subject: (External):Re: (External):RE: AUDIO PROBLEMS

Manuel, I tried to log back in using the hyperlink at the SONGS Community Web site. I get a message saying "We'll let you know when the meeting starts" it has not started.

On Thu, Jun 15, 2023, 6:08 PM Manuel Camargo wrote:

Please log off and log back on. We paused the meeting.

Get Outlook for iOS

From: Nina Babiarz
Sent: Thursday, June 15, 2023 6:06:53 PM
To: David G. Victor; Alice McNally
Cc: Charles Langley; Manuel Camargo; Paul Blanch PE; Cathy Iwane; San Clemente Green **Subject:** (External):RE: AUDIO PROBLEMS

We have the TEAMS Link!

From: David G. Victor
Sent: Thursday, June 15, 2023 6:04 PM
To: Alice McNally
Cc: Charles Langley; Manuel Camargo; Paul Blanch PE; Nina Babiarz <ninababiarz@outlook.com>; Cathy Iwane; San Clemente Green
Subject: Re: AUDIO PROBLEMS

Manuel

Can you pls send around to this email the Teams link.

David

From: Alice McNally
Date: Thursday, June 15, 2023 at 6:02 PM
To: David G. Victor
Cc: Charles Langley, Manuel Camargo, Paul Blanch PE, Nina Babiarz, Cathy Iwane, San Clemente Green
Subject: Re: AUDIO PROBLEMS

Ive been trying to join on computer and ph since 5:15. No video and audio. the meeting is completely silent

> On Jun 15, 2023, at 5:59 PM, David G. Victor wrote:
>
> I am hearing everything loud and clear.
>
> Sent from limited typing device
>
>> On Jun 15, 2023, at 5:54 PM, Charles Langley wrote:
>>
>>
>> Dr. Victor and Maneul ,

>>
>> In the event you are unaware none of us ate getting sound. Are you having same problems? - charles

No attachment. Direct link within text above.
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For Awareness: Orange County Register Story on DOE's Consent-Based Siting Effort for Spent Fuel

From: Manuel Camargo
Sent: Wednesday, July 26, 2023 8:13 AM
To: Michelle Anderson; Mike Balsamo; Cabral, Victor; Mark Enmeier; Jim Desmond (SD County Supervisor); Kristal Jabara; Supervisor Foley; Alyssa Napuri; Garry Brown; Rob Howard; Sam Jammal; Scott Kibbey; Val Macedo; Marni Magda; Martha McNicholas; Ted Quinn; Mark Rriddlebarger; Mike Sappingfield; Ken Schultz; Daniel T. Stetson; John Taylor (SJC City Council); 'Captain Mel Vernon'; David G. Victor; 'Michael Villar'; 'Adam Tallabas
Cc: Doug Bauder; Vincent J Bilovsky; Liese Mosher; Lorraine Quinn Sandstrom; Julie Holt; Ronald Pontes; Jerry L Stephenson; RANDALL GRANAAS; Mark E Morgan; Derek J. Brice; Amy F Pressler; James Peterson; Laura Parra; Lorraine Quinn Sandstrom
Subject: FYA: OCR Story on DOE's Consent-Based Siting Effort for Spent Fuel

Dear CEP,

I write to share a story in the *Orange County Register* on DOE's consent-based siting effort for federal consolidated interim storage of spent nuclear fuel. The story also touches on yesterday's webinar by DOE with the consortia that recently were awarded funds to support discussions regarding consent-based siting and capacity building. David Victor and I are quoted.

Feel free to share the news with others in your networks.

Best regards,

Manuel

San Onofre's nuclear waste could be on the way out soon

Column: U.S. Department of Energy unveils a detailed timeline for consolidating the nation's nuclear waste in a temporary home
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File photo of Bridget Bartlow during a protest at the Huntington Beach pier in 2017. (Photo by Bill Alkofer, Orange County Register/SCNG)

By **TERI SFORZA** | tsforza@scng.com | Orange County Register

PUBLISHED: July 25, 2023 at 5:51 p.m. | UPDATED: July 25, 2023 at 6:17 p.m.



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

Stop the presses! The U.S. Department of Energy has a timeline to "operation readiness" for a new site to hold America's nuclear waste:

Fifteen years.

Yes, by 2038 (more or less), millions of pounds of spent fuel from San Onofre Nuclear Generating Station and other commercial reactors *could* be preparing to leave their steel-and-concrete tombs and relocate to a new, albeit temporary, federal home or homes.
Where, exactly? There's the rub. The feds plan to figure that out over the next decade-and-a-half.

At its "Consent-based Siting Consortia Kickoff" on Tuesday, July 25, the DOE spelled out three distinct phases for its renewed effort to enlist communities ready, willing and able to host the nation's nuclear waste, at least temporarily.

Staging

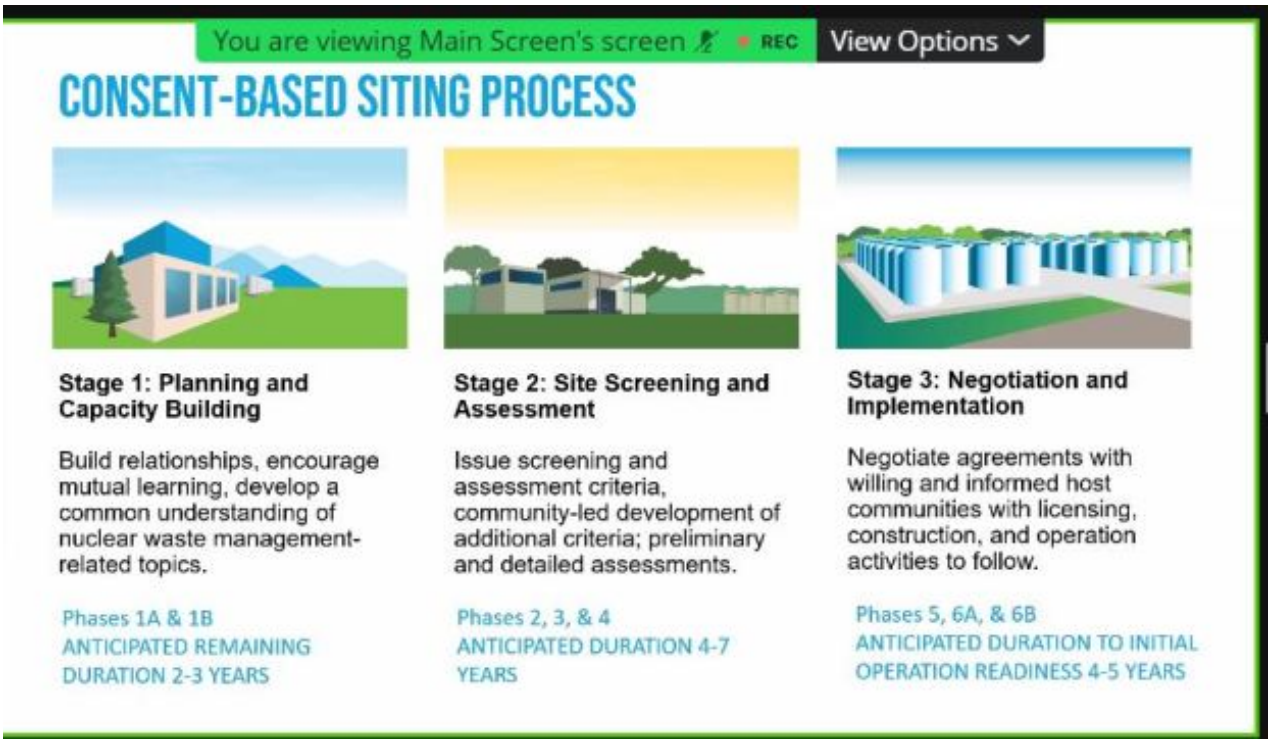
We're in Stage 1 right now: "Planning and Capacity Building." This involves earning the trust of local communities, encouraging "mutual learning" and understanding of nuclear waste management. That's expected to take another 2-3 years, and the DOE won't entertain volunteer hosts just yet.

Stage 2 is slated to take another 4-7 years. This is the "Site Screening and Assessment" stage, where the DOE will look at potential sites and, yes, assess them, hopefully hand-in-hand with those communities.

The last stage is "Negotiation and Implementation," where agreements are struck with "willing and informed host communities, with licensing, construction and operation activities to follow." That's estimated to take another 4-5 years.

Of course we've all learned that such timelines can be purely aspirational — DOE was supposed to start accepting the nation's commercial nuclear waste
for *permanent* disposal in, um, 1998 — but again, after decades of paralysis, this is at least some progress.
How quickly things move will likely boil down to how important Congress feels this quest is, and how much money it dedicates to the task.

'Realistic'



Screenshot from DOE presentation

"My general impression is that this timetable is realistic, but probably could be accelerated a little bit if DOE could provide sustained support that is credible," said David Victor, professor at UC San Diego's School of Global Policy and Strategy, and chair of the San Onofre Community Engagement Panel.

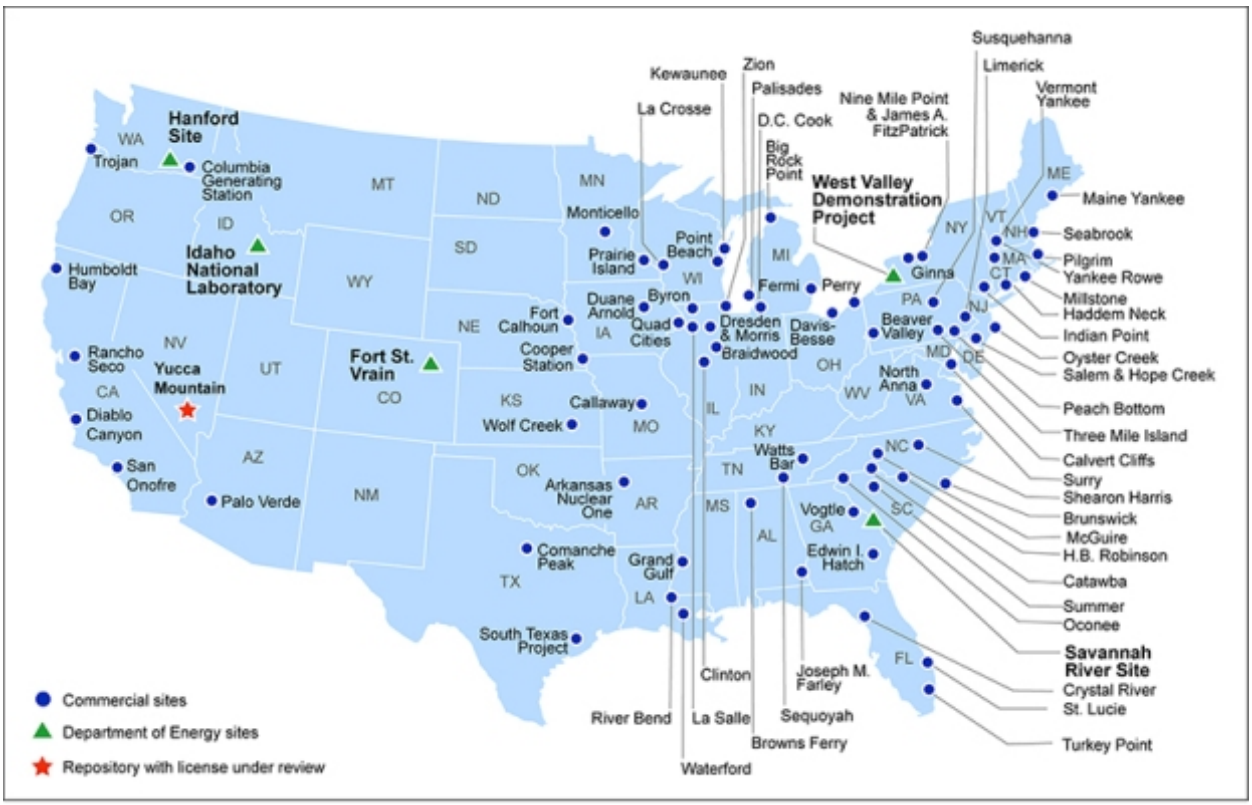
"That remains to be seen because congressional funding for these kinds of activities has historically been uneven — although the Southern California delegation has been key to keeping support in recent years. The experience in other countries is that building consent takes quite a while. It's a reminder that we need to have strategies taking shape for interim storage, so that spent fuel has a place to go, in addition to long-term permanent storage. Both are essential. The long-term will take a lot longer and be more challenging which is why the near term is so important."

In June, the DOE awarded $26 million to the Consortia — 13 nonprofit and university teams, including several from California — tasked with getting this consent-based siting ball rolling. Each is getting about $2 million to "help DOE learn from and involve communities across the country in the consent-based siting process, answer questions and concerns, and develop an understanding so that we are good neighbors even before moving in."

It's good news to Southern California Edison, which manages San Onofre's tear-down and is stuck babysitting the waste while the federal government figures things out.

"We're encouraged by the DOE's three-stage roadmap that leads to federal consolidated interim storage in 10 to 15 years. It's the most concrete plan we have seen in years," said Manuel Camargo, principal manager for strategic planning, by

email. “The plan requires help from Congress in order to authorize consent-based siting for one or more permanent deep geologic repositories. A repository program is vital to making more near-term, interim storage acceptable to potential host communities.



Source: Department of Energy. | GAO-17-174

Sea to shining sea: The U.S. Government Accountability Office’s map of sites storing spent nuclear waste.

“We see consent as vitally important. Past efforts failed to place consent at the center of a repository program, and we must learn and adapt. SCE views consent-based siting for both interim and permanent spent fuel facilities as the most reliable and likely path to success.”

The $26 million invested in the Consortia will stimulate a national conversation, Camargo said, and over time, that will help ensure that potential host communities are truly informed and willing.

Green future

There was much discussion about equity and justice and what “consent” actually looks like. Everyone hopes to avoid another Yucca Mountain, but unanimity will likely be difficult to come by.

Nuclear energy is a vital part of America's green energy future, U.S. Secretary of Energy Jennifer M. Granholm told the Consortia by video, but we can no longer ignore the back end of the fuel cycle.
Tons of nuclear waste has been piling up at more than 70 commercial reactor sites in the U.S. for the past 60 years. Those communities — like San Onofre's — never agreed to host the waste for decades, and the DOE has a responsibility to move it to communities that do agree, she said.

"We have trusted you as awardees with a vital mission – to serve as beacons for dialogue," Granholm told the awardees. Their mission: to make progress toward a more equitable and clean energy future for us all.

"Let's make this a productive year," she said.

Awardees with California ties include the nonprofit Good Energy Collective (incorporated in California but formed in Maryland) as the lead, with the University of Notre Dame as partner; New Jersey-based Holtec International, manufacturer of San Onofre's newest dry storage system, as the lead, with the University of Florida as partner; North Carolina State University as the lead, with the yak titʸu titʸu yak tiłhini Northern Chumash Tribe of San Luis Obispo County and Region, Mothers for Nuclear and Tribal Consent Based Coalition-Diablo Canyon Nuclear Power Plant as partners; and Southwest Research Institute in Texas as the lead, with Deep Isolation of Berkeley as a partner.

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

No attachment. Direct link within text above.
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For Awareness: Two Papers of Interest to Our Communities

From: David G. Victor
Sent: Monday, July 24, 2023 6:56 AM
To: Manuel Camargo; Lorraine Quinn Sandstrom; Martha McNicholas; Daniel T. Stetson; Ted Quinn
Subject: (External):Two papers of interest to our communities

Lorraine

Would you please circulate these two papers and email to the CEP—with our next circular of materials.

Copying Ted as I know he has keen interest in these issues.

Thx
David

Dear CEP members,

Of keen interest to us here locally is how transportation systems could move spent fuel away from our community in responsible ways. (Already a lot of material from SONGS is being moved away, mostly by rail, but the political and technical interest in spent fuel is particularly acute.).

Attached are two papers of interest—both related to another plant but possibly relevant to us. They are from a recent Symposium on the Packaging and Transportation of Radioactive Materials (PATRAM22) that discuss a transportation dose assessment that the Prairie Island Indian Community and the DOE worked collaboratively on. Prairie Island hosts a nuclear plant in southeastern Minnesota. Unlike SONGS, it is still operational. Like SONGS, the question of storing spent fuel on site has attracted some controversy.

A big thanks to Steve Maheras for passing them along.

All best
David

Attachment #6 – Prairie Island Indian Community Transportation Dose Assessment – Conducting the Assessment, June 11-15, 2023 – Proceedings of the 20th International Symposium on the Packaging and Transportation or Radioactive Materials Symposium, PATRAM22, (PNNL-SA-184985)

Attachment #7 – Prairie Island Indian Community Transportation Dose Assessment – Building the Process, June 11-15, 2023 – Proceedings of the 20th International Symposium on the Packaging and Transportation or Radioactive Materials Symposium, PATRAM22, (PNNL-SA-184984)
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Letter from Vito Francesco Regarding Potential Spent Fuel Storage Location in California

From: Steve Carlson
Sent: Wednesday, July 19, 2023 10:16 AM
To: Lorraine Quinn Sandstrom
Subject: (External):For circular

Dear Lorraine,

We received the attached today and David would like it added to the files for the next meeting where appropriate.

All the best,

Steve Carlson
Deep Decarbonization Initiative (D2I)
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School of Global Policy and Strategy
University of California, San Diego

Attachment #8 – Letter from Vito Francesco regarding potential location for spent fuel storage in California, July 19, 2023

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For Awareness: SONGS Common Oil Removal System

From: Manuel Camargo <Manuel.Camargo@sce.com>
Sent: Wednesday, June 28, 2023 11:42 AM
To: Michelle Anderson; Mike Balsamo; Cabral, Victor; Mark Enmeier; Jim Desmond (SD County Supervisor); Kristal Jabara; Supervisor Foley; Alyssa Napuri; Garry Brown; Rob Howard; Sam Jammal; Scott Kibbey; Val Macedo; Marni Magda; Martha McNicholas; Ted Quinn; Mark Riddlebarger; Mike Sappingfield; Ken Schultz; Daniel T. Stetson; John Taylor (SJC City Council) 'Captain Mel Vernon'; David G. Victor; 'Michael Villar'; 'Adam Tallabas
Cc: Doug Bauder; Vincent J Bilovsky; Liese Mosher; Lorraine Quinn Sandstrom; Julie Holt; Ronald Pontes; Jerry L Stephenson; RANDALL GRANAAS; Mark E Morgan; Derek J. Brice; Lorraine Quinn Sandstrom; BRIAN METZ; Amy F Pressler; James Peterson
Subject: FYA: SONGS Common Oil Removal System

Dear CEP Members and Alternates,

For your awareness, Southern California Edison has agreed to pay the California State Water Board a civil penalty regarding the release of industrial water with elevated concentrations of oil and grease (O&G) to the ocean from the San Onofre Nuclear Generating Station's (SONGS) Common Oil Removal System as part of routine discharges during the Fall of 2022.

Although the discharge exceeded the daily concentration limit for O&G, the result was the release of about one gallon of oil mixed in 28,000 gallons of water over a seven-hour period, which was well below the daily total allowed for the release of oil. Once the issue was identified, workers shut down the system and isolated the sump.

Workers identified corrective actions to prevent a reoccurrence, which included adding filtration and cleaning of the oil water separator. Today, nine months later, much of the subject equipment has been or is being dismantled.

As we shared with you via email on Oct. 5 of last year and during our quarterly CEP public meetings, while the discharges were small and did not pose a threat to ocean water quality, SCE views any exceedance as unacceptable. SCE is committed to protecting the integrity of the environment and ensuring regulatory compliance.

To learn more about our water releases and monitoring programs, please visit SONGScommunity.com

Manuel

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

No attachment. Direct link within text above.
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For Awareness: Nuclear Waste Management Organization and Department of Energy Sign Joint Statement of Intent to Cooperate on Used Fuel Management

From: Lorraine Quinn Sandstrom
Sent: Tuesday, May 16, 2023 4:56 PM
To: 'David Victor'; 'Dan Stetson'; 'Martha McNicholas'; Michelle Anderson; 'Mike Balsamo'; 'Supervisor Foley'; 'Katrina.foley@ocgov.com'; 'Garry Brown'; 'Jim Desmond'; 'Victor Cabral'; '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; Marisol Edrozo; Smith, Rebecca Smith; Carranza, Patricia V.; Farrell, Courtney Farrell; Holly Martino; SHAYNA SHARKE
Subject: For Awareness: Nuclear Waste Management Organization and Department of Energy Sign Joint Statement of Intent to Cooperate on Used Nuclear Fuel Management

Dear CEP Members and Alternates,

The Nuclear Waste Management Organization and Department of Energy have issued the following news release to commemorate signing the joint statement of intent to cooperate on used fuel management.

Here is a link to the news release: The NWMO and US DOE sign joint Statement of Intent to Cooperate on Used Nuclear Fuel Management | The Nuclear Waste Management Organization (NWMO)

Thank you,
Lorraine Sandstrom
Community Affairs and Relations, Senior Specialist
Community Engagement Panel (CEP) Management and Stakeholder Engagement
Southern California Edison, San Onofre Nuclear Generating Station (SONGS)

No attachment. Direct link within text above.
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