

## San Onofre Decommissioning Community Engagement Panel

### REGULAR MEETING

Thursday, March 22, 2018, from 5:30-8:55 p.m. PDT in Laguna Hills, California

Meeting Minutes and Action Items

#### 1) Community Engagement Panel (CEP) Member Attendance

- a) Present: Dr. David Victor (CEP Chairman/University of California, San Diego), Dan Stetson (CEP Vice Chairman/Trustee-Executive Director, Nicholas Endowment), Hon. Jerome “Jerry” M. Kern (CEP Secretary/Oceanside City Council), Rich Haydon (California State Parks), Tom Caughlan (Camp Pendleton), Donna Boston (Orange County Sheriff’s Department), Hon. Martha McNicholas (President, Capistrano Unified School District Board of Trustees), Marni Magda (Angeles Chapter, Sierra Club), Hon. Paul Wyatt (Mayor Pro Tem, Dana Point City Council), Ted Quinn (American Nuclear Society), Garry Brown (Orange County Coastkeeper), Valentine “Val” Macedo (Laborers’ International Union of North America, Local 89), Captain Mel Vernon (San Luis Rey Band of Mission Indians), Hon. Sergio Farias (Mayor, San Juan Capistrano City Council), and Hon. Steve Swartz (San Clemente City Council)
- b) Absent: Hon. Lisa Bartlett (Supervisor, Orange County, 5<sup>th</sup> District), and Hon. Bill Horn (Supervisor, San Diego County, 5<sup>th</sup> District), and Jim Leach (South Orange County Economic Coalition)
- c) Southern California Edison (SCE) Representative: Tom Palmisano, Vice President Decommissioning & Chief Nuclear Officer

#### 2) Meeting Convened by Chairman Victor at 5:30 p.m.:

- a) Chairman Victor reminded the audience that the CEP is an engagement panel created to improve communications with the communities and open a two-way flow of information between SCE and the public; the CEP is not a decision-making body nor an oversight body
- b) The presentations from tonight can be found on [SONGScommunity.com](http://SONGScommunity.com), as well as live streaming, meeting documents, links for signing up for public walking tours of the plant site, and more
- c) SCE information booths, staffed by SCE personnel, are available before the meeting and during the break, as well as community booths
- d) A structured public comment period follows the presentations; to participate in this evening’s comment period you must complete a comment card. Comments may be submitted any time to [nuccomm@songs.sce.com](mailto:nuccomm@songs.sce.com)
- e) Chairman Victor gave an overview of the meeting’s agenda that includes SONGS Decommissioning Plan and Fuel Transfer Updates
- f) Chairman Victor advised that Dan Stetson had accepted the position of CEP Vice Chairman and Hon. Jerry Kern the position of CEP Secretary; acknowledged three new members: Hon. Sergio Farias (Mayor, San Juan Capistrano City Council), Hon. Steve Swartz (San Clemente City Council), and Captain Mel Vernon (San Luis Rey Band of Mission Indians)

***NOTE: VIDEO OF THIS MEETING, SPEAKER PRESENTATIONS, AND TRANSCRIPTS ARE AVAILABLE ON [SONGScommunity.com](http://SONGScommunity.com) AND THEREFORE DETAILED CONTENT IS NOT REPEATED IN THIS DOCUMENT***

#### 3) CEP General Updates, Chairman Victor [Please refer to the *CEP Update* presentation on [SONGScommunity.com](http://SONGScommunity.com)]

- a) Consolidated Interim Storage (CIS) update:
  - i) Federal update: Washington is not making a lot of progress with how to make CIS a reality; until a permanent facility such as Yucca Mountain is opened, there is nowhere to send spent fuel from various sites, not just San Onofre; there is a need for multiple interim sites

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- (1) There is no significant legislative movement at the Federal level to report
  - (2) Unlikely that anything will happen in 2018 as it's an election year; CEP should prepare to gear up in 2019
  - ii) Private sector progress includes two CIS sites that are emerging as leaders:
    - (1) Waste Control Specialists (WCS) in Andrews County in Western Texas: acquisition of site is complete and WCS will resume the Nuclear Regulatory Commission (NRC) license application
    - (2) Holtec Eddy-Lea Energy Alliance site between Carlsbad and Hobbs, New Mexico: NRC license application has been accepted and license issuance is expected in 2020
  - iii) CIS Legislation: Nuclear Waste Policy Amendments Act of 2017 sponsored by Rep. John Shimkus (R-IL); no significant legislative movement to report
  - iv) Funding: Appropriations Bill is making its way through the House; there is no funding included for either Yucca Mountain nor CIS at this time
  - v) DOE Rail Car Development: Atlas railcar prototype is moving along as planned; at this time there is no authorization to purchase railcars
    - (1) Tom Palmisano added that Holtec is building two transportation overpacks for an international client of the same design needed for SONGS, so progress is being made in that arena
  - b) Hon. Jerry Kern advised he's been talking to congressional candidates (top three Republicans and top two Democrats) and the candidates are all aware of the CIS issue; Rep. Scott Peters (D-CA) has been very helpful
  - c) Marni Magda mentioned that US Senator Kamala Harris (D-CA) introduced the bill "Safe and Secure Decommissioning Act of 2018" to clarify some of the insurance rules and fuel liability during transportation, and to address the Price Anderson Act; Marni Magda suggested to Hon. Jerry Kern that perhaps a meeting with Senator Harris is warranted
- 4) Decommissioning Update, Tom Palmisano [Please refer to the *General Updates* and the *SONGS Decommissioning Plan & Fuel Transfer Updates* presentations on [SONGScommunity.com](http://SONGScommunity.com)]**
- a) Marni Magda requested information on how to contact the Expert Panel to ask questions
    - i) Tom Palmisano responded he would work out those details with the Expert Panel at their first meeting and advise the CEP members; including providing updates at CEP meetings
  - b) Dan Stetson asked about radioactive materials disposal
    - i) Tom Palmisano explained that only the reactor vessel internals are high-level radioactive waste to be stored in the ISFSI and the balance of the materials are low-level waste (categories A, B, or C) and can be disposed of at existing facilities; most of the waste is non-radioactive and will be disposed of at the appropriate disposal facilities
  - c) Garry Brown asked about the backfill and if SCE was putting a soil cap on the area
    - i) Tom Palmisano explained that the site will be leveled at a grade level selected by the Department of the Navy (DoN)
  - d) Ted Quinn asked if site debris would be used to build new reefs
    - i) Tom Palmisano responded "no," the site material would not be used for the reef projects
  - e) Chairman Victor asked that the Zion video of the domes being deconstructed be shown at a future CEP meeting; he will attempt to organize a visit to the Clive, Utah, low-level waste facility for interested CEP members
  - f) Donna Boston asked about the longevity of the sea wall

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- i) Tom Palmisano responded that the sea wall would remain in place as long as the ISFSI exists; the DoN will ultimately make the decision to retain the sea wall post fuel removal
- g) Hon. Steve Swartz asked for clarification on the functionality of the cavity vents
  - i) Tom Palmisano explained that there is a cavity inside the concrete/stainless steel structure containing the sealed stainless steel canister. The lid is of heavy concrete and steel construction and the vent is placed on top – cold air flows in and down the sides of the cavity, then flows up and out of the vent (hot air rises). The system will have temperature monitors once fuel transfer operations are complete. Manual radiation and temperature monitoring is performed routinely
    - (1) Chairman Victor asked about the real time radiation monitoring system requested by panel members
      - (a) Tom Palmisano is doing research on the matter and in the meantime will be posting radiation monitoring information on SONGScommunity.com
- h) Hon. Sergio Farias asked about depth of first responder training
  - i) Donna Boston explained that first responders are trained to respond to any event that happens at the site; the Interjurisdictional Planning Committee (IPC) exists to maintain cohesiveness between all the first responders
    - (1) Hon. Steve Swartz asked if IPC data was accessible by CEP
      - (a) Donna Boston confirmed that when first responders perform radiation monitoring the results are made public
    - (2) Dan Stetson asked for clarification of “three deep”
      - (a) Donna Boston clarified that three deep meant that there is redundancy in emergency response personnel (three shifts to cover 24 hours a day, 7 days a week)
- i) Chairman Victor asked if the four canisters with the standoff shim pin design that are already loaded could be returned to the spent fuel pool, opened, and the fuel be transferred to new canisters with the monolithic shim design
  - i) Tom Palmisano explained that a canister has never been opened before within the industry and two to three years’ worth of testing would be needed before such an effort could be performed in order to prepare for any potential radiological hazards should fuel rods get damaged in the process
  - ii) Chairman Victor asked for an update of the Used Fuel Canister Basket Shims at the next meeting
- j) Chairman Victor asked that a thorough Wheeler North Reef update be provided at an upcoming meeting because there wasn’t sufficient time to discuss the subject at this meeting
- k) Garry Brown proposed a dedicated meeting on Defense-in-Depth
  - i) Chairman Victor agreed and asked that the information be provided in plain English

#### 5) Chairman Victor Facilitated the Public Comment Period

- a) Public Comments were made by the following individuals:
  - i) Gene Stone (Residents Organized for a Safe Environment): Real time radiation monitoring
  - ii) Charles Summer (San Clemente resident): Seismic
  - iii) Charles Langley (Public Watchdogs): Decommissioning budget
  - iv) Nina Babiarz (Public Watchdogs): Public safety
  - v) Veraga Prima (concerned citizen): Transportation safety
  - vi) Ailah Breezy (local resident): Seismic and Fukushima lessons learned

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- vii) Rayna Delear (local resident): Future radiation issues
- viii) Rich van Avery (local resident): Safety
- ix) Ray Lutz (Citizen's Oversight): HELMS
- x) Madge Torres (Citizen's Oversight): Support of HELMS
- xi) Robert Pope (Public Watchdogs): Story of 11-year old
- xii) Michelle Anderson (local resident): Panel concerns; "safety before profits"
- xiii) Ken Berg (local resident): California Public Utility Committee-related concerns
- xiv) Paul Roshano (local resident): Support of HELMS and radiation monitoring
- xv) Shannon Garcia: Ocean/beach concerns
- xvi) Ace Hoffman: Volunteering
- xvii) Sharon Hoffman: Canister concerns
- xviii) Daryl Gale (LA resident): Public communications
- xix) Donna Gilmore (San Onofre Safety): Emergency Planning
- xx) Gary Headrick (San Clemente Green): Un-welded canister analysis
- xxi) Bert Moldow (Citizens of Laguna Woods): Safe on-site storage needed
- xxii) Kristen Goshoffer (local resident): Canister concerns
- xxiii) Mandy Sackett (Surfrider Foundation): Federal solution needed
- xxiv) George Allen (SCE employee): BS Detector
- xxv) Jennifer Massey (local resident): Safety concerns re: canister integrity
- xxvi) Kelley Speag (local resident): Safety concerns
- xxvii) Roger Johnson (local resident): Transparency needed when addressing CIS

- b) Dan Stetson and Hon. Jerry Kern facilitated dialogue based on themes conveyed during the Public Comment Period
  - i) Tom Palmisano: Insurance liability changes will be discussed at next meeting; however, SONGS must get out of the same insurance pool as operating plants
  - ii) Tom Palmisano: Sea wall is considered high enough and canisters are qualified for significant submergence
  - iii) Dan Stetson: Hosted Dr. Neal Driscoll at the Ocean Institute on the results of seismic studies and Dr. Driscoll is happy to make presentations at local cities

**6) Closing Remarks:**

- a) Chairman Victor discussed the agenda for meetings scheduled for the balance of the year and would like to see the Expert Panel address some of the plausible extreme events and the potential impact on the ISFSI
- b) Diablo Canyon expert panel has reached out to Chairman Victor for lessons learned on CEP's four years

**7) Meeting adjourned at 8:55 p.m.**

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**8) Action Items:**

	<b>Action Item Description</b>	<b>Comments</b>
1	Provide information on how the Expert Panel will function, e.g., charter, agenda, how to communicate with them, participation at CEP meetings, etc.	
2	Chairman Victor asked that the video of the Zion domes being deconstructed be shown at a future meeting	
3	Tom Palmisano offered to provide a cross-section of a canister cavity at a future meeting	
4	Chairman Victor asked that NRC monthly radiation monitoring results be extracted and posted on SONGScommunity.com	
5	Chairman Victor asked for an update of the Used Fuel Canister Basket Shims at the next meeting	
6	Garry Brown proposed a dedicated meeting on Defense-in-Depth	
7	Tom Palmisano to provide information on sea wall and canister submergence at next meeting	
8	Tom Palmisano to provide an update on the insurance issues at next meeting	