

San Onofre Decommissioning Community Engagement Panel

REGULAR MEETING

Thursday, August 22 from 5:30 – 8:30 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), Jerome “Jerry” M. Kern (CEP Secretary/Oceanside City Representative), Donna Boston (Orange County Sheriff’s Department), Hon. John Taylor (San Juan Capistrano City Council), Rich Haydon (California State Parks), Hon. Doug Woodyard (Land Development) Orange County, 5th District), Jim Leach (South Orange County Economic Coalition), Martha McNicholas (Capistrano Unified School District Board of Trustees), Marni Magda (Sierra Club), Garry Brown (Orange County Coastkeeper), Valentine “Val” Macedo (Laborers' International Union of North America, Local 89), Hon. Paul Wyatt (Dana Point City Council), and Sam Jammal (Camp Pendleton)
- b) Absent: Hon. Lisa Bartlett (Supervisor, Orange County, 5th District), Ted Quinn (American Nuclear Society), Hon. John Taylor (San Juan Capistrano City Council), Dan Bane (Mayor Pro Tem, San Clemente City Council), Hon. Jim Desmond (Supervisor, San Diego County, 5th District), and Captain Mel Vernon (San Luis Rey Band of Mission Indians)
- c) Southern California Edison (SCE) Representatives: Doug Bauder, Chief Nuclear Officer (CNO) and Vice President (VP) of Decommissioning, Lou Bosch, San Onofre Nuclear Generating Station (SONGS) Plant Manager and Jerry Stephenson, Manager, Independent Spent Fuel Storage Installation (ISFSI) Engineering

2) Welcome & Opening Comments: (Meeting convened by Chairman Victor at 5:35 p.m.)

- a) Chairman Victor reviewed the agenda topics and welcomed SCE guest speakers Lou Bosh and Jerry Stephenson. He discussed the SCE education booths available to the public and provided instructions for anyone interested in asking questions or providing comments during the meeting. Questions can be submitted anytime via e-mail nuccomm@songs.sce.com. He also informed the public that the meeting is being live-streamed on SONGScommunity.com.
- b) Chairman Victor informed the audience that the engagement panel is not a decision making panel, but is an independent, two-way conduit between the communities affected by the decommissioning process at the San Onofre plant and SCE. All the meeting materials have been shared with CEP members in advance of the meeting and are posted on the website, and copies of the agenda are provided on chairs.

NOTE: VIDEO OF THIS MEETING, SPEAKER PRESENTATIONS, AND TRANSCRIPTS ARE AVAILABLE ON SONGScommunity.com AND THEREFORE THIS DOCUMENT CONTAINS SUMMARY CONTENT

3) CEP General Updates, Chairman Victor, Doug Bauder [Please refer to the CEP General Update presentation on SONGScommunity.com]

- a) **CEP General Community Updates:**
 - i) Chairman Victor informed the panel and public that the presentation would cover a lot of technical information. He planned to share information from his recent visit to the Koeberg nuclear power plant in South Africa regarding stress corrosion cracking and the importance of learning from what is occurring at other plants. He asked Doug Bauder if he would like to make opening remarks.
 - ii) Doug Bauder shared his views on the importance of having a discussion about canister downloading process improvements and the first couple of fuel transfer campaigns performed after the restart of spent fuel transfers on July 15. Doug introduced key

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managers from San Onofre to provide updates. The SONGS Plant Manager, Lou Bosch will discuss safety and issues discovered during the spent fuel transfer campaigns. SONGS ISFSI Manager, Jerry Stephenson will discuss engineering aspects of spent fuel transfers and dry cask storage defense-in-depth. Doug added that SCE is working on new techniques to lead the industry and Jerry Stephenson is leading that effort at the station. Doug emphasized that the SCE goal is to be open, to have a dialogue about what is happening at the plant, and SCE will continue to provide updates as the spent fuel transfer campaign continues.

b) Changes to the Community Engagement Panel (CEP):

- i) Chairman Victor welcomed Mayor Pro Tem Dan Bane and his alternate Kathy Ward to the panel and thanked the San Clemente City Council. He informed the panel and public that panel member Tom Caughlan of Camp Pendleton had retired, adding that Tom Caughlan had been a member of the panel for several years, was enormously helpful, and thanked Tom for his service. Chairman Victor welcomed Sam Jammal to the panel. Sam is the new CEP panel member from Camp Pendleton. Chairman Victor thanked Doug Woodyard for sitting in as alternate for Orange County Supervisor, Lisa Bartlett, and welcomed Doug Bauder, CNO and VP of Decommissioning at San Onofre. Chairman Victor also announced that Tom Palmisano had taken on a different role with SCE, thanked Tom Palmisano for his service on the panel, his interactions with Tom, and looks forward to seeing Tom in the future.

a) Industry Update:

- i) Chairman Victor discussed attending the Packaging and Transportation of Radioactive Materials (PATRAM) Triennial conference. He explained how he shared his experiences related to spent fuel and San Onofre, and met people from the conference community who could be enormously helpful as SCE looks for options to move spent fuel.
- i) Chairman Victor shared his experience regarding a recent visit to the Koeberg Nuclear Power Station (KNPS) in South Africa. He explained that KNPS has serious challenges around stress corrosion cracking with a number of their pipes and tanks. He wanted to meet the staff and open a line of communication, so the CEP and SCE could get an accurate understanding of what happened. He emphasized that the greatest concerns at KNPS are tanks that change temperature on a daily basis and are generally cold. Large amounts of condensation accumulate on the outside of the tanks making conditions ideal for the accumulation of precursors and then stress corrosion cracking. KNPS has concerns about cracking in the parts of the tanks that are thin, but not the parts of the tanks that are thicker and more consistent with stainless steel canisters, and KNPS is using a different kind of stainless steel as compared to SONGS spent fuel canisters. Chairman Victor emphasized that the information is important for the industry to understand. In some sense, KNPS serves as an interesting laboratory due to the turbulent ocean and conditions which make the plant a very aggressive site. He also called attention to the variety of misquotes and misanalyses which have been addressed in an important study by the Electric Power Research Institute (EPRI). The study addresses the real rates of crack propagation, the issues with temperature and thickness of the KNPS stainless steel and the kind of stainless steel being used. Chairman Victor's summary report, presentations and the EPRI report discussed are available on the songscommunity.com website for the August 22 CEP meeting.

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- ii) Chairman Victor informed panel members and the public that the CEP officers would be traveling to Holtec International, Inc. in Camden, New Jersey on September 17 to tour the Holtec facility and meet with leadership. He explained that the CEP officers would like to discuss questions and important topics related to lessons learned, governance and oversight. The CEP officers plan to share their assessment of the visit with the community during a future meeting of the CEP.
- iii) Chairman Victor informed panel members and the public that the Nuclear Regulatory Commission (NRC) will be conducting a public meeting at the San Juan Capistrano Community Center on August 29 to gather input from the community on the best practices for community advisory boards (CAB) for decommissioning plants. Chairman Victor planned to attend the meeting to discuss CEP lessons learned and welcomed input from others.
- iv) Dan Stetson provided an update on radiation monitoring. He explained that while testifying at Congressman Rouda's congressional hearing, he was asked by Congressman Levin to provide a report on when SCE would begin the radiation monitoring. He asked SCE for assistance and Doug Bauder drafted a letter, which is now part of the public record. Dan explained how the development of radiation monitoring was in response to concerns by the public and the California State Lands Environmental Review. SCE made a commitment to install and maintain an ISFSI gamma radiation monitoring system to supply a real time radiation data stream to local and state agencies. The SONGS ISFSI real time radiation 24/7 monitoring system will be placed in service prior to the start of decommissioning activities, which is forecast for the first quarter of 2020. Once complete, the system will be capable of streaming data to offsite agencies with radiological expertise. SCE is currently contracting with local and state agencies that will monitor the real time data feed from SCE and publish monthly data reports, which will be accessible to the public via the web.
- v) Donna Boston explained that the purview of the local authorities, public safety agencies and local healthcare agencies is emergency response to a radiological emergency at the plant. The agencies deploy their radiological monitoring teams, collect and analyze data, and make decisions for the community's interest, health and safety. Donna added that the agencies do not have a legislated mandate to be able to perform the radiation monitoring activities requested by SCE. There is no contract in place, and the activities requested are outside of their capabilities. Donna expects SCE to implement their radiological monitoring program with NRC oversight, and perhaps the state would be involved. She informed the panel and public that any increase in radiological readings will be communicated immediately through emergency planning and contact points, which are operational 24/7. Any increase in a reading would result in activation of the San Onofre Nuclear Emergency Response Plan, which is specific to the nuclear plant site, and would be deployed according to the plan. Donna also provided an update on the Senate Bill 465, which has passed both houses and is stalled in appropriations. She added that SCE is opposed to the bill and the bill is designed to take the place of the current memorandum of understanding (MOU), which provides funding for emergency response organizations.
- vi) Doug Bauder clarified that SCE is not opposed to the Senate Bill 465. He explained that the way the bill is written now, the bill would need some changes. SCE supports an emergency plan commensurate with the risk. He explained that when both units were operating at power, there were four different emergency action levels, two of the top levels, general and site area emergency are not possible to achieve, now. There are roughly 18 emergency

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schemes left and once the fuel is safely in dry storage, there will only be four possible emergency schemes. Doug reiterated that emergency response is very important and SCE wants to continue the close relationships with the local agencies. SCE will work out the independent reporting of radiological monitoring data with the appropriate agencies. Doug emphasized that during a real emergency event, SCE will report the event to the counties, and implement proper emergency response plans. Even when the fuel is safely in dry storage, SCE will have a 24/7 command center on the site in the case of any reporting to the counties or response needed, so SCE and the emergency agencies are very well aligned there.

b) **Advancing Offsite Fuel Storage:**

- i) Chairman Victor provided an update on federal legislation and appropriations. He explained that there are two main strategies. One strategy is to change the original Nuclear Waste Policy Act which requires an act of Congress and a bill was passed in the House during the last session. There has been essentially no action on the Senate side. Chairman Victor stated that the second strategy is appropriations. The House appropriations language was worked on before the recently adopted budget bill. U.S. Representative Doris Matsui along with support from Representative Mike Levin, Representative Scott Peters, and many others have introduced funding in the House appropriations bill that would fund interim storage projects. Chairman Victor expects that later this year Chairman Lamar Alexander will introduce appropriations language in the Senate. Chairman Victor explained that there is a budget bill that will proceed more slowly. He estimated that maybe an appropriations action will be aligned in the House and the Senate by November. He added that people talking with members of congress should emphasize the vitally important need for credible support for interim storage, and efforts to change the standard contract or at least send signals that spent fuel decommission sites like San Onofre is put as high on the queue as possible when interim storage becomes a possibility, so SCE has a way to ship the spent fuel offsite.

2) **Fuel Transfer Operations, Lou Bosch [Please refer to the *Fuel Transfer Operations* presentation on SONGScommunity.com]**

- a) Lou Bosch provided the CEP members and the public a brief history of his nuclear background beginning as a U.S Navy reactor operator and engineering watch supervisor aboard the USS Hammerhead to his position as the SONGS plant manager. Over his 33 year career at SCE, nuclear, industrial and radiological safety have been his personal top priorities. Lou added that he and his wife and family have been local residents for 33 years. Lou made a personal commitment to the CEP and public that the SONGS team will safely and compliantly transfer used fuel from the pool to the ISFSI pad. Lou reviewed the decommissioning principles of safety, stewardship and engagement. He provided the fuel transfer operations status and forecast by describing each canister download since the restart date of July 15, including the two week period in the schedule to perform an assessment and modifications. Lou explained the assessment results revealed an increased focus on safety, coaching, effective pre-job briefs and turn-overs, use of the corrective action program, open communication and interactive participation, early identifications and prompt resolutions, comprehensive and widespread feedback. Lou pointed out that schedule pressure is not an issue at San Onofre and that workers understand the station's priority of safety and compliance and will stop work if there is

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uncertainty. Lou also provided an overview of the lessons learned related to a bolt thread issue, procedural changes required for the mating device door and rain water intrusion in empty multi-purpose canisters (MPC) stored on site. Lou added that there have been no serious safety or human performance issues, teamwork has improved, and there is a healthy and effective relationship between Holtec and SCE. Lou also addressed the NRC presence for fuel transfer operations activities and the procedure revisions to improve clarity and equipment upgrades.

3) SONGS Decommissioning Update: Doug Bauder [Please refer to the *Decommissioning Update* presentation on SONGScommunity.com]

- a) Doug Bauder provided information on the SONGS decommissioning plan, seismic safety at San Onofre, environmental permitting and the strategic plan to move spent fuel offsite. Doug anticipates completing the spent fuel transfers to dry cask storage by late spring of next year, but added that SCE is not focused on schedule or placing schedule as a priority over everything else. By entering issues in the corrective action program and incrementally improving safety and compliance there is schedule improvement. Doug discussed the next California Coastal Commission (CCC) meeting scheduled for September 12 and his personal desire to see the fuel transferred offsite, adding that about 80 percent of the spent fuel will be legally ready for transfer by the end of next year, and fully prepared for transfer. SCE is waiting on a repository and a plan.
- b) Doug Bauder wanted to address questions from the public related to the July 5 Ridgecrest earthquake and the plants seismic design. Doug explained that the Ridgecrest earthquake was 0.57 peak ground acceleration (PGA) near the epicenter and 0.015g near SONGS. The plant operators implemented the SONGS earthquake response plan, which included reports to Lou Bosch and detailed walk-downs of plant equipment, including the dry fuel storage area, and there were no issues there. Doug explained that SCE has looked at earthquakes in detail and the largest potential interaction, as discussed in previous CEP meetings, is the Newport-Inglewood-Rose Canyon fault system. The plant is designed to withstand peak ground acceleration of 0.67 g, about two-thirds of a g continuous ground acceleration, which is quite high. The dry fuel storage system is designed to withstand 1.5 peak ground acceleration. That is in the horizontal direction, 1 g of PGA in the vertical direction, so about double that of the plant equipment. The fuel itself and the dry fuel storage system is much more seismically robust than the plant systems. California code requires nearby buildings to withstand 0.38 PGA. Doug provided an overview of the seismic research required by the California Energy Commission and completed by Scripps Institute in 2017. SCE was interested in the Newport Inglewood/Rose Canyon fault structure and specifically, what kind of a fault would occur during an earthquake from that structure. SCE was concerned about a blind thrust fault, but the hypothesized Oceanside Blind Thrust (OBT) was not supported by research. The structures were found to be consistent with a strike slip fault, which match the plant seismic design basis and criteria. SCE would anticipate a 7.3 or 7.4 magnitude quake less than 7.5 in the latest seismic hazard analysis, but SCE looks at ground acceleration, which is the real meaningful data around what could happen if there was an earthquake at the station.
- c) Doug Bauder provided a brief update on environmental permitting. He explained that SCE has a final Environmental Impact Report (EIR), which was approved by the California State Lands Commission (CSLC) on March 21. SCE is working toward a coastal development permit (CDP), which is on the agenda for the September 12 meeting. Doug added that SCE will be ready for

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the meeting and it is the company's, desire to carry forward an effective, safe and environmentally compliant dismantlement and decontamination of the plant, and along the way be good stewards of our trust fund and the environment.

- d) Doug Bauder provided an update on the SONGS strategic plan (SP) and the North Wind team. He introduced the members of the team who were attending the meeting. Doug informed the panel that the next team meeting is November 21, and will be in conjunction with the expert team led by Tom Isaacs. Doug emphasized the detailed work that is required by the team to assist SCE with a strategic plan to move the fuel to either an approved federal repository or a consolidated interim storage (CIS) system. He explained that a system has to be available and licensed and detailed transportation planning is required, and the team will be talking to local residents and federal personnel about those options. Doug explained that the challenge is to be ready when a repository or CIS becomes available and licensed, so the team is working to have a plan ready when a repository is available. SCE is doing everything possible to be first in the queue to ship spent fuel. Doug announced that the North Wind team will be providing a report to the panel in a future meeting.

4) Dry Cask Storage: Defense-In-Depth (DID), Jerry Stephenson [Please refer to the Dry Cask Storage: Defense-In-Depth presentation on SONGScommunity.com]

- a) Jerry Stephenson provided a brief history of his nuclear background, moving from Illinois out of grad school to work at San Onofre and has been an engineer for 37 years. He and his family are also local residents. Jerry is currently the manager of ISFSI engineering and his staff is responsible for all of the technical decisions and issues associated with dry cask storage at San Onofre. Jerry explained that his team is active with industry user and working groups and have the strongest dry cask storage engineering staff in the country.
- b) Jerry covered defense-in-depth information related to design, fabrication and remediation during his presentation. Jerry described how SCE selected a system design that was qualified for both on-site and offsite storage, licensed for transportation, met seismic criteria, canisters had to be long enough to accommodate the fuel, and low dose rates, which are important to worker safety. The two designs that SCE selected have the lowest dose rates available, and much lower than the thick-walled casks. Three vendors met all of the criteria that SCE reviewed; Orano (formally AREVA), Holtec, and NAC. Jerry explained that all three vendors were qualified, but decisions were based on second order considerations that were carefully reviewed to get the best ISFSI installation possible. SCE selected Orano and Holtec, the two industry leaders in the United States. Jerry discussed bolted-lid (thick-walled) cask limitations such as; the casks were not long enough to accept SCE spent fuel or licensed for transport, and thick-walled casks have the worst shielding performance. Thick-walled casks are made of cast iron, an inferior material and cheaper option. The thickness of the cast iron casks is 10 to 14 inches thick and are not corrosion resistant. Jerry also shared the industry example of the corroded carbon steel reactor head at the Davis-Bessie plant in Ohio where the only thing preventing a leak was the quarter inch stainless steel.
- c) Jerry discussed the Department of Energy (DOE) Atlas railcar prototype which can accommodate both Orano and Holtec transportation casks. Currently, Orano and Holtec both have approved canisters. One of the main reasons SCE selected the Holtec and the Orano canister is the canisters are the top two in the industry, the most common, and widely used in the United

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States. Any company that builds a storage facility or repository will accommodate these canisters.

- d) Jerry reviewed the unique design specifications for the SCE dry cask storage system that lead the industry. SCE canisters are licensed for storage and transportation, have a higher seismic design based on local seismic conditions, a thicker shell at 5/8-inch versus standard ½ inch and 316L low-carbon stainless steel for improved corrosion resistance. During fabrication, enhancements were made to improve performance and address chloride-induced stress corrosion cracking (CISCC), such as; laser peening to eliminate surface stresses, a two-pass weld technique to minimize the heat affected zone, and shell over-rolling. Jerry displayed pictures of the Orano Transnuclear NUHOMS and Holtec UMAX dry cask storage systems and discussed why the two designs are the best for SONGS dry cask storage; such as excellent shielding and seismic protection.
- e) Jerry provided a review of CISCC. He explained that there are over 3,000 stainless steel dry cask storage canisters installed in the United States, and not one is an exhibit of CISCC. CISCC is not common. There are thousands of miles of stainless steel pipes in coastal environments that have not experienced CISCC. Cracking occurs only when a perfect storm of three conditions occur; salt and water environment, a susceptible material and tensile stresses in steel to enable the crack to grow. Jerry emphasized that SCE has taken very big steps during design specifications and fabrication to minimize all three of the necessary components of CISCC, and the canisters are kept dry.
- f) Jerry discussed the canister inspections performed at SONGS. He explained that all of the ISFSIs in the United States will inspect canisters, eventually. Most ISFSIs, including the SONGS TN ISFSI will perform inspections in about 20 years as part of the aging management program (AMP). Loaded canisters have been inspected at both NUHOMS ISFSIs and at Holtec ISFSIs. SONGS robotically inspected eight canisters at the Holtec ISFSI using a specially developed 3D camera with a resolution of one-one-thousandths of an inch. That's one-fifth the thickness of a sheet of paper. This inspection was a first of a kind in the industry, and EPRI has nominated two of SCE's engineers, Randall Granaas and Allen Williams for a technology award. SONGS canister inspections will continue at SONGS in 2021 with the baseline inspection for the NUHOMS ISFSI, as part of the AMP. In 2024, SONGS will inspect more Holtec canisters as part of a State of California required inspection and maintenance (I&M) plan, even though the regulatory requirement to perform the inspection would not be required until 2035. The robotic systems are currently available for these inspections. Jerry explained that the robot performs visual inspections, only. The Orano inspection ring was developed for the SONGS TN NUHOMS system and allows for more detailed inspections, if degradation is discovered during the initial robotic inspection. The inspection ring can perform detailed visual, eddy current and ultrasonic inspections, if necessary and remediation will be available before the planned 2021 inspections. SCE was the first utility to develop the inspection ring. Final performance testing will occur in the 4th quarter of 2019 and the ring is expected to be operational and ready for deployment by the end of 2019.
- g) Jerry discussed remediation and how SCE and the nuclear industry are actively working to develop techniques to address a potentially degraded canister. Jerry explained that the NRC has gone on record stating that it will take at least 80 years for CISCC to make a through-wall crack on even a half-inch canister in Southern California. SONGS canisters are five-eighths-inch thick, 25 percent thicker. Jerry added that SCE is being extremely conservative and proactive by

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working with the industry to develop mitigating techniques, and expects SCE will lead the industry. Areas where work has been done in the industry include robotic weld repair, which could be delivered by a robot or mounted on the inspection ring for the Orano system. A second strategy would be an over-pack, either a transportation cask or some sort of specially-developed container. Remediation capability will be available in time to support the planned Orano TN/NUHOMS inspections planned for the fourth quarter of 2020. The Holtec/UMAX I&M plan submittal to the CCC is planned for October 2020. The inspections for the I&M plan are expected in 2024, with a 5 year inspection interval. Regulations require the first inspections in 2035.

5) Chairman Victor Facilitated the Public Comment Period

- a) Public Comments were made by the following individuals:
 - i) Cindy Gitter: (Lead Orange County District Representative at Office of U.S. Congressman Mike Levin) – legislation to remove spent fuel
 - ii) Gary Headrick: (San Clemente Green) – nuclear waste
 - iii) Gene Stone: (Residents Organized for a Safe Environment) – radiation monitoring
 - iv) Ray Lutz: (Citizen’s Oversight) – spent fuel canisters
 - v) James Cummings: (Former SCE employee) – spent fuel storage at Yucca mountain
 - vi) Shari Horne: (City of Laguna Woods Councilmember) – canisters
 - vii) Katie Day: (Surfrider Foundation) – the transfer of spent fuel off-site
 - viii) Dr. Steven Vogue: (Local resident) – canister corrosion and thick walled casks
 - ix) Bernie Thomas: (Local resident) – steam generators were fixable
 - x) Jackson Hinkle: (Local resident) – safety standards
 - xi) George Allen: (SCE employee) – spent fuel storage safety and radiation monitoring
 - xii) Donna Gilmore: (San Onofre Safety) – canisters
 - xiii) Jeff Steinmetz: (Public Watchdogs) – canisters
 - xiv) Charles Langley: (Public Watchdogs) – canisters
 - xv) Nina Babiarz: (Public Watchdogs) – steam generators, shims and NRC
 - xvi) Harold Breen: (Capistrano Beach Resident) – move spent waste away from the beach
 - xvii) Madison Alvarez: (Public Watchdogs) – Wheeler North Reef
 - xviii) Andy Kinnon: (local resident) - transportation of spent fuel and tsunamis
 - xix) Madge Torres: (Citizens Oversight) – nuclear waste on the beach
 - xx) Christa Gostenhofer: (local resident) – defective Holtec canisters
 - xxi) Sarah Mallon: (local resident) – spent fuel storage safety
 - xxii) Daryl Gale: (Los Angeles resident) – defense-in-depth
 - xxiii) Florina Massbaum: (local resident) – dry cask storage and emergency programs
 - xxiv) Judy Jones: (local resident) – vendors selection for canisters
 - xxv) Patricia Borchmann: (Citizens Oversight) – safety margin at SONGS
- b) During the facilitated comment period, Sam Jammal (Camp Pendleton Community Plan and Liaison Office) answered questions regarding whether transferring the spent fuel to another location on the Marine base was an option. Sam explained that the issue has been discussed before and the position of the Marine Corps. Remains the same; to move the spent fuel to a permanent or temporary site, not the marine base. Doug Bauder addressed questions related to the recent spent fuel canister transfers, how much radioactive material is currently on site and

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will be shipped off-site, the ability of SCE to remove a canister from its stored location, and the NRC certificate of compliance related to extract a canister to safely ship the spent fuel off site. Doug Bauder and Donna Boston addressed questions related to the SONGS sirens retired from service. Doug also responded to questions related to radiation monitoring and canister inspections. Jerry Stephenson responded to questions related to canister downloading, inspections, ultrasonic testing, and the 95 percent confidence level relative to scratches. He also answered questions related to dry cask storage system vendor selection.

6) Closing Remarks:

- a) Chairman Victor discussed scheduling the strategic plan and the state of private consolidated storage during a CEP meeting in the last quarter of 2019. He explained that a planning meeting is scheduled for the fourth quarter 2019 to discuss a dry cask storage workshop in 2020. He would like Donna Boston and first responder communities to be part of the planning process and the workshop.
- b) Doug Bauder shared his appreciation for the questions from the panel and the public. He plans to continue to share how SCE is doing with spent fuel offloading and lessons learned, and referred panel members and the public to the songscommunity.com website for the new information available. He also discussed his op-ed from early July 2019 and emphasized that his message is the same; SCE is going to be open about what is happening at the station.

7) Meeting adjourned at 8:59 p.m.

8) Action Items:

#	Action Item Description	Comments
1	Provide more information on the “double walled” canisters SCE assessed in making a selection	
2	Provide more information on “risk driven” inspections (to explain the basis for why SCE inspected 8 out of 33 canisters)	
3	Explain why the robot inspection, which only sees the bottom third or 40 percent of the TN/NUHOMS canister is the right portion of the canister during a future meeting	
4	Explain how much low level radwaste is still on site (being stored for shipment) and how much low level radwaste is expected to be shipped offsite in the future	
5	Explaining the SCE and NRC requirements for extracting a canister from dry cask storage, there seems to be confusion about this topic	
6	Determine if there are leaking canisters nationwide and report back to the CEP	
7	Explain why Holtec was selected among the top three vendors, if they all met the required criteria.	
8	Provide a short summary regarding sea-level rise	Planned for 2020 Workshop