



Decommissioning **San Onofre**

Nuclear Generating Station

Decommissioning Update

February 16, 2017

Tom Palmisano

Vice President Decommissioning &
Chief Nuclear Officer

Decommissioning Principles

***Safety
Stewardship
Engagement***

For more information on SONGS visit www.SONGScommunity.com



Decommissioning
San Onofre
Nuclear Generating Station

NRC ACTIVITIES

NRC Submittal Status

Item	Submittal Status	Approval Status
License Amendment Request Extend Cyber Security Program Milestone 8	Submitted June 16, 2016	Approved January 23, 2017
Exemption* Request Offsite Insurance	Submitted September 2015	Forecast 2Q 2017
Exemption* Request Onsite Insurance	Submitted October 2015	Forecast 2Q 2017
ISFSI Only License Amendment Request Tech Specs, Emergency Plan, Security Plan	Submitted December 2016	Forecast 2Q 2018

*Exemption is how the NRC currently handles a change in the regulatory status for decommissioning plants

2017 NRC Inspections

Inspection	Date	Findings
1st QTR Decommissioning	Jan 30 – Feb 2	No violations
Ongoing ISFSI Construction Inspections	April 3-4 (next inspection)	No findings to date from previous inspections
Security Access Control	April 17-21	-
2nd QTR Decommissioning	May 22-25	-
3rd QTR Decommissioning	August 28-30	-



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SITE ACTIVITIES UPDATE

ISFSI Project Expansion



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CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) UPDATE

Environmental Impact Report State Lands Commission Process





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Decommissioning General Contractor

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Decommissioning General Contractor (DGC) Selection

- Major decommissioning work to be performed by 3rd party decommissioning contractor (DGC)
- SONGS Decommissioning Solutions selected as DGC via competitive bid process
- Joint venture of AECOM and *EnergySolutions*



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SONGS Decommissioning Solutions (SONGS DS)

February 16, 2017

Matt Marston

Senior Vice President, Operations

AECOM

- Union of AECOM and URS created unique contractor with integrated project services
 - project management
 - planning and permitting
 - engineering, design, procurement
 - construction and D&D
- *Engineering News-Record* 2015
 - #1 Top Design Firms
 - #2 Top 200 Environmental Firms
 - #2 Top 50 Program Managers
 - #7 Top 400 Contractors Overall
- Past Performance relevant to SONGS
 - Reactor head and steam generator replacement projects such as Diablo Canyon and St. Lucie



SONGSDS

Predictability in Outcome

Safety certainty
Regulatory certainty
Cost certainty
Schedule certainty

Only 1

*licensee decommissioning first U.S.
two-unit nuclear power facility*

5

*commercial nuclear power
License Termination Plans*

34

large component replacement projects

200,000,000

ft³ LLW disposed at owned disposal sites

>25,000,000

ft² nuclear facility D&D

ENERGYSOLUTIONS

- Largest U.S. nuclear waste company
- Privately-owned rail/trucking, logistics, processing, and disposal facilities
- Fleet of over 1,000 railcars and 2,500 bulk containers
- Regulatory-aligned waste perspective from experience as licensee at Zion
- Timely Past Performance relevant to SONGS
 - SONGS Decommissioning Cost Estimate
 - SONGS Radioactive Waste Management
 - Zion Nuclear Station, licensee for full scope D&D





- Key personnel who have over 350 years of combined nuclear experience and 250 years combined nuclear D&D experience
- Experienced executive leadership team
- A seasoned team skilled in transitioning operations to D&D
- A proven low-profile D&D approach that completes the project safely, compliantly, and within 10 years
- Holder of 10 CFR 50 License at Zion

Superior safety record

AECOM

EMR – 0.47 OSHA – 0.75

ENERGYSOLUTIONS

EMR – 0.66 OSHA – 0.65

