



Decommissioning **San Onofre** Nuclear Generating Station

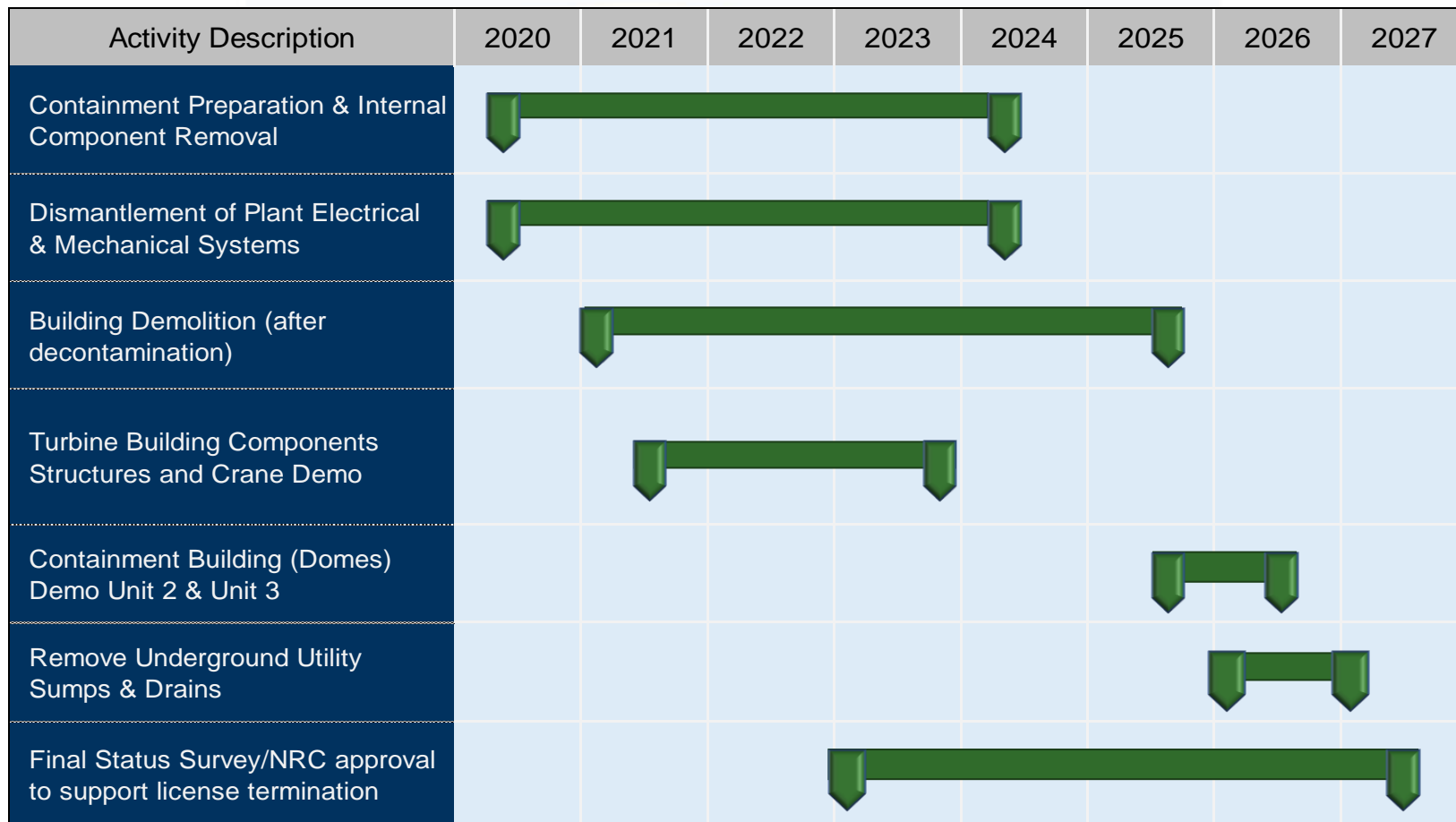
SONGS Decommissioning Update

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Director, Decommissioning Project



Decommissioning
San Onofre
Nuclear Generating Station

Major Work Streams





Decommissioning
San Onofre
Nuclear Generating Station

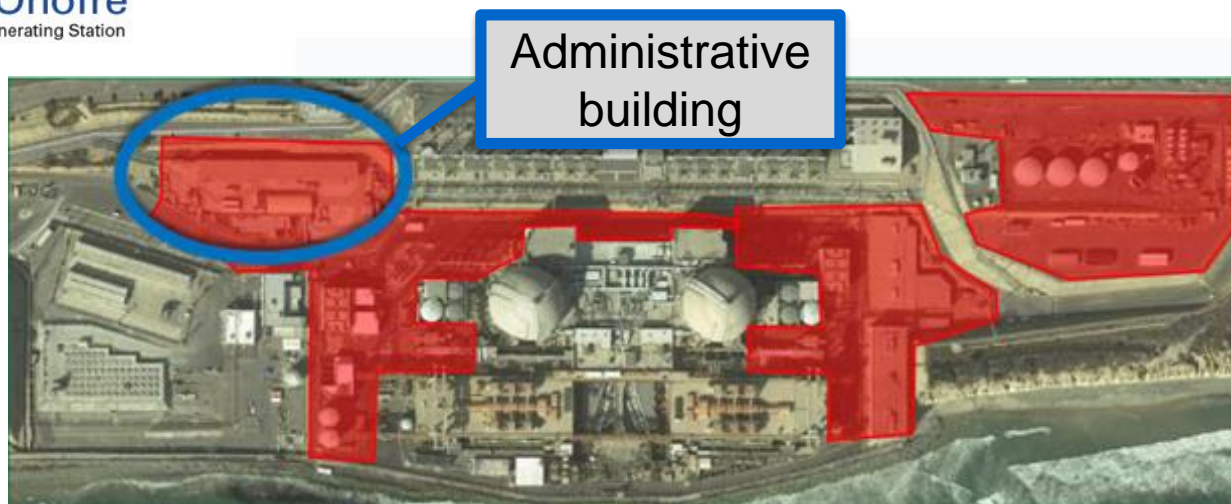
Dismantlement Overview

- Recently completed activities
 - Asbestos removal in power block complete
 - Unit 2 tendon removal complete
 - Extension of operational rail line
- Current activities:
 - Removal of piping systems and cable trays
 - Containment building modifications (e.g., widening equipment hatch)
 - Delivery and staging of specialized tooling and waste containers



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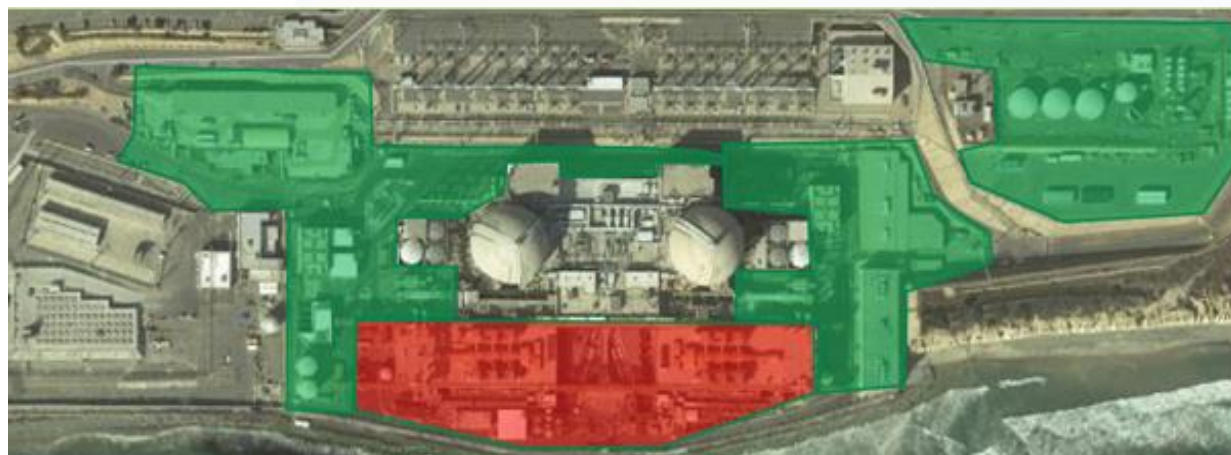
Phased Structural Demolition



Administrative
building

Technical Phase 1

Red



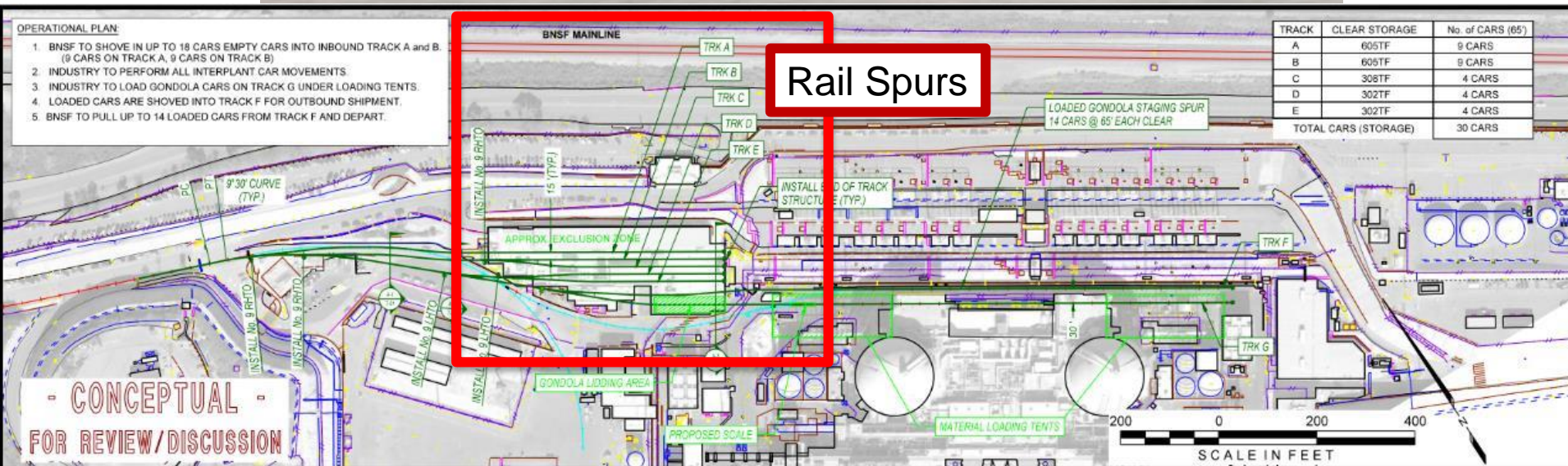
Technical Phase 2

Red



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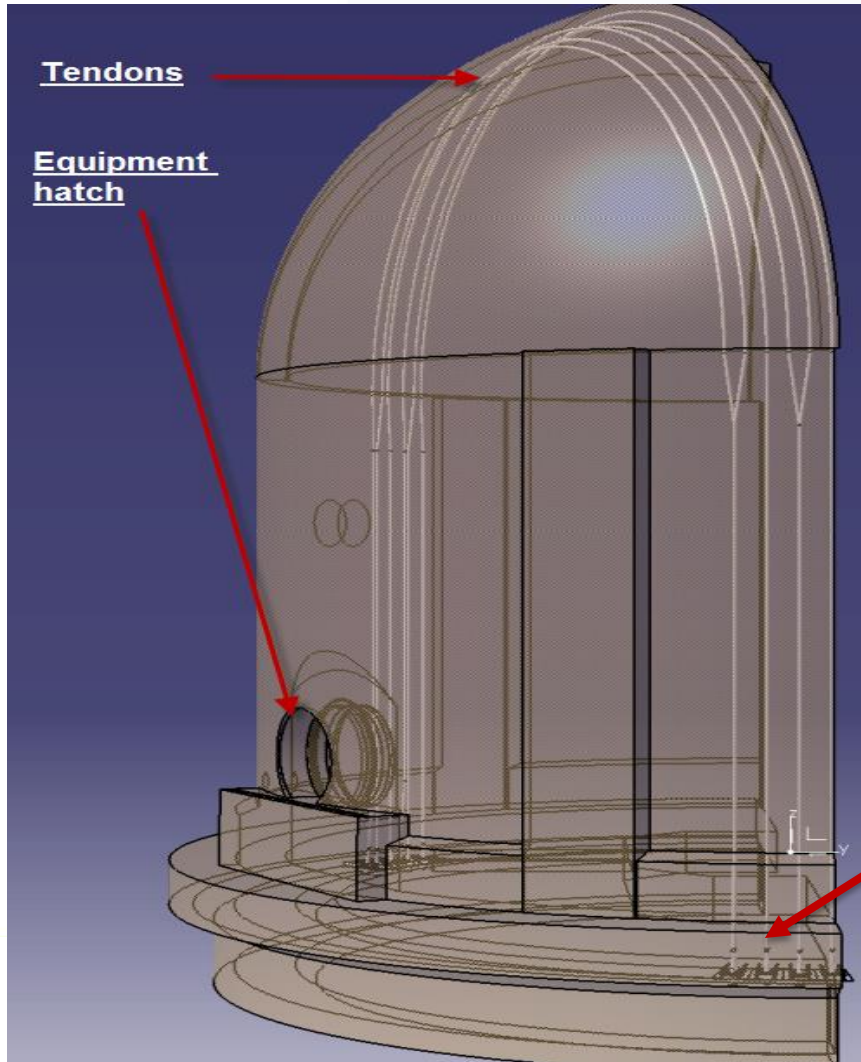
Rail Upgrades





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Removing Tendons from Containment Domes





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Removal of Interferences Inside Containment Domes

Interferences



Reactor Head



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Preparations for Cut-up of Reactor Vessel Internals

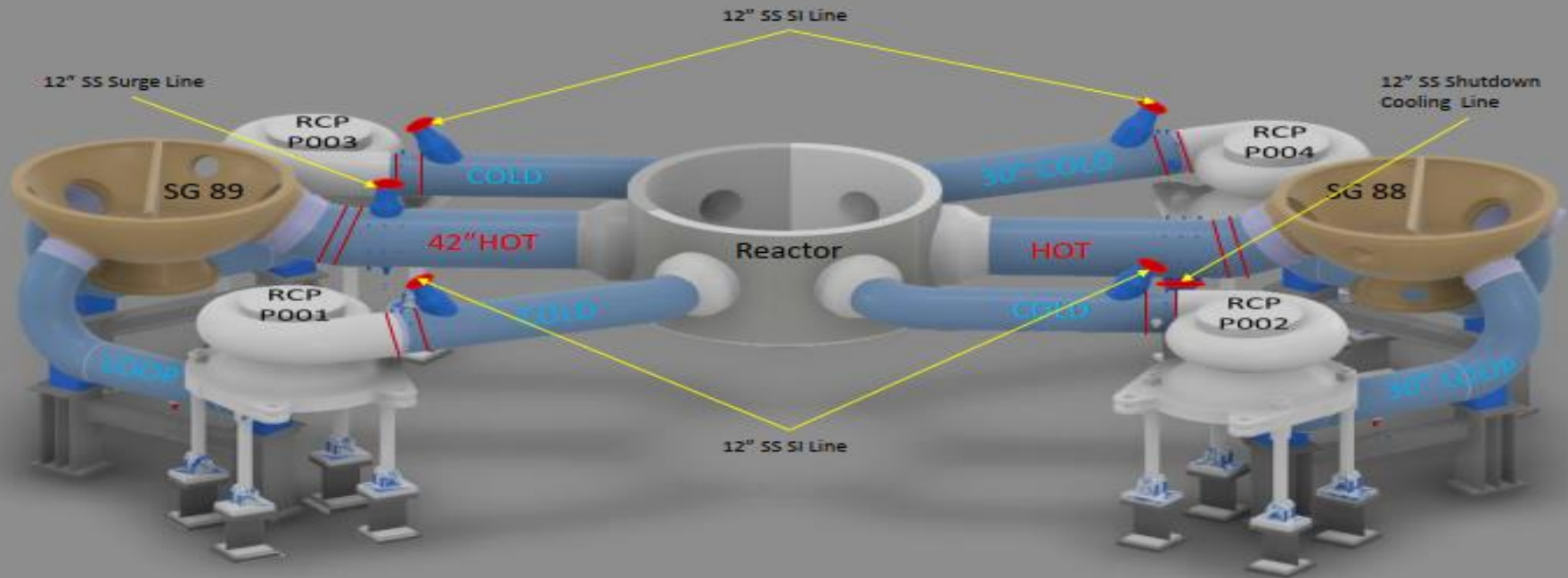


Tooling to be used in segmentation (“cut-up”) process has been delivered



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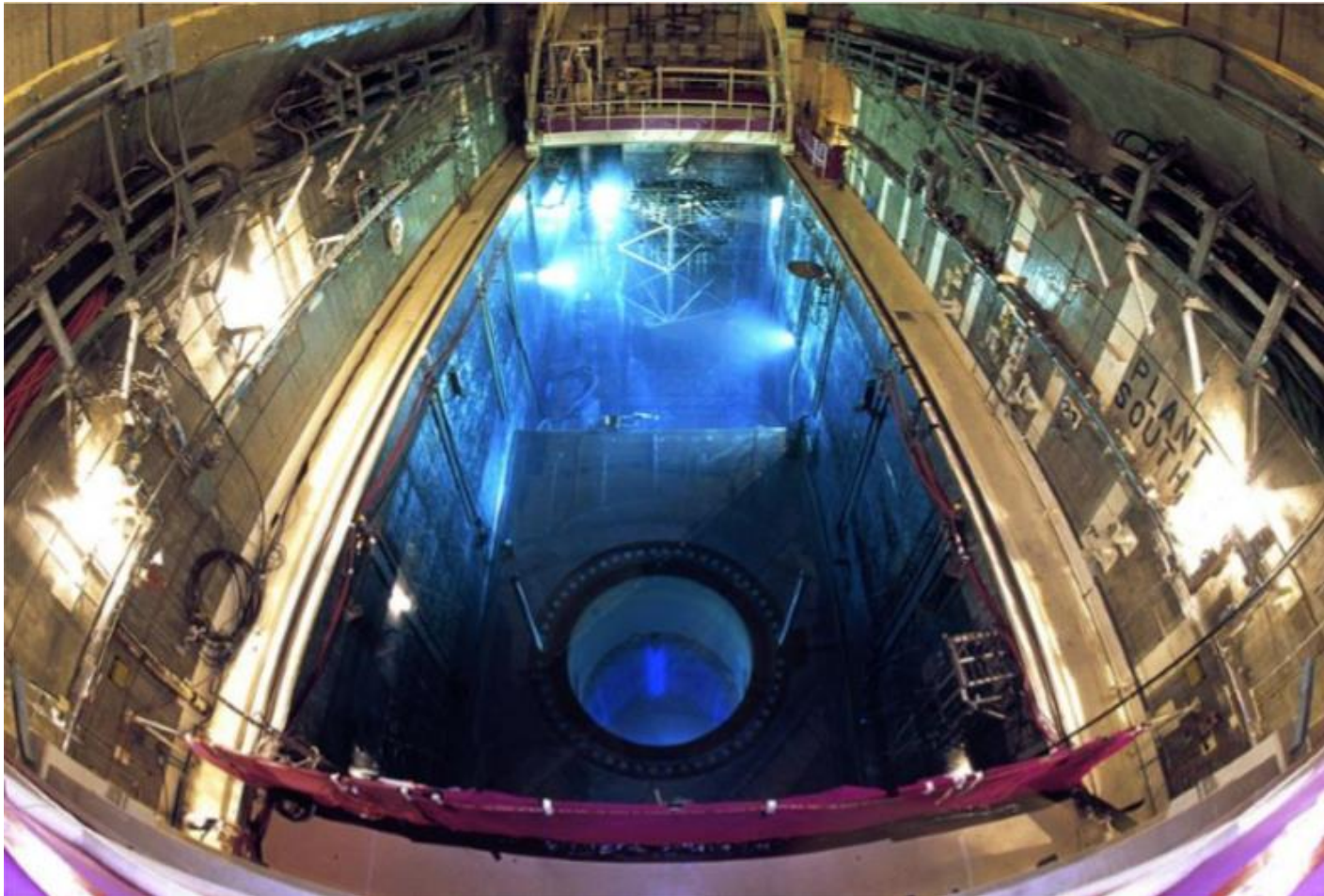
Cutting and Isolation of Piping Prior to Flooding





Safety | Stewardship | Engagement
Decommissioning
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SONGS Reactor Cavity Flooded with Water



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Maintaining Radiological Safety

- Radiation annual dose limits
 - Federal occupational dose limit 5000 millirem
 - (Lower) SONGS worker dose limit 1500 millirem
 - NRC and SONGS limits for the public 100 millirem
 - EPA limit for public dose 25 millirem
- Limits set to safe levels by NRC and recommended by various national and international agencies¹

¹ *Safe levels are recommended by the National Council on Radiation Protection & Measurements and the International Commission on Radiological Protection*