

V.C. Summer Nuclear Station

Emergency Plan Review

(Units 1, 2, & 3)

September 23, 2014

The logo for SCE&G, featuring the letters "SCE&G" in a large, bold, blue, sans-serif font. Below this, the text "A SCANA COMPANY" is written in a smaller, blue, sans-serif font. The logo is set against a background of blue wavy lines.

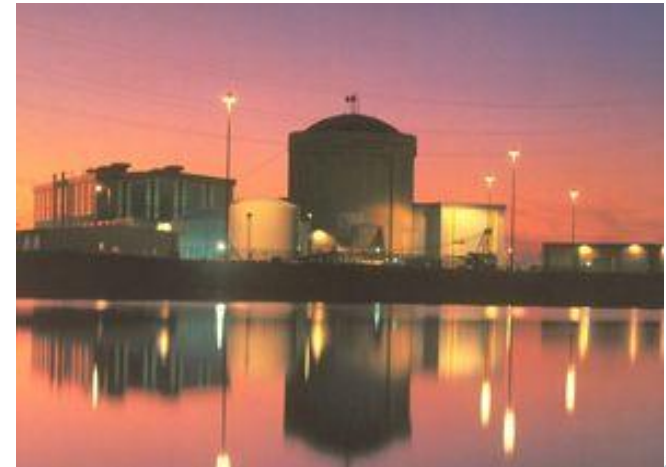
Agenda

- ▶ Team Introductions
- ▶ New Technical Support Center
- ▶ Emergency Planning Zone Expansion
- ▶ Combined Emergency Plans

Team Introductions

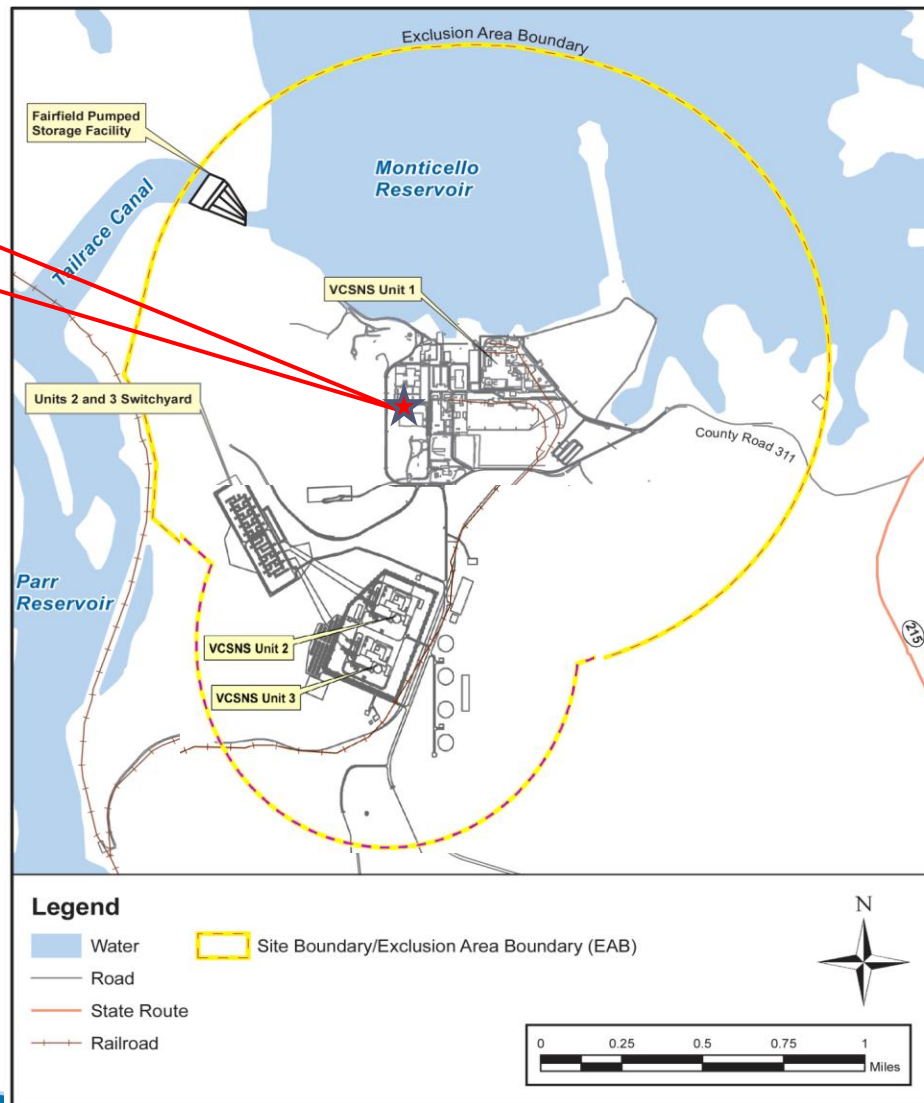
- ▶ Emergency Preparedness
 - ▶ Bob Williamson, Manager – Emergency Planning
 - ▶ Tim Bonnette, Supervisor – Emergency Services

- ▶ Nuclear Licensing
 - ▶ Bruce Thompson, Manager Unit 1
 - ▶ April Rice, Manager Units 2/3
 - ▶ Beth Dalick, Engineer
 - ▶ Greg Travers, Licensing Contractor



Site Layout

Nuclear
Operations
Building



Nuclear Operations Building



Technical Support Center



Technical Support Center



Technical Support Center (TSC)

- ▶ The new TSC is located outside and between the Unit 1 Protected Area and the Units 2 & 3 Protected Area
- ▶ Basement of the new Nuclear Operations Building
- ▶ ~7,000 square feet of working space, including Command Area, Engineering Area, NRC Area, Executive Video Conference Room, two support areas, Back-up Operational Support Center
- ▶ Additional square footage provided for bathrooms, break rooms, storage, etc.

Technical Support Center (TSC)

Continued:

- ▶ Positive pressure facility with HEPA and Charcoal Filtration System in emergency mode
- ▶ Uninterruptable Power Supply with Back-up Emergency Diesel Generator Power
- ▶ Computers (network and plant data display), telephones, radios, and satellite phones
- ▶ Response capability for any combination of single or multi-unit emergencies

Technical Support Center (TSC)

Resource	Current Facility	Proposed Facility
ERO Positions Assigned	TSC - 13 VCS, 6 NRC	TSC - 32 VCS, 12 NRC with Back-up OSC - ~15 VCS
Square Footage (total)	~2,500	~7000
Rest Rooms	Facilities shared with Control Room for men and women	Full men's and women's facilities with showers
Break/Serving Area	Kitchenette shared with Control Room	Break Area with tables and serving area, ice, water, refrigerator, etc
Work Stations (total)	13	44
Telephones (PBX)	13	44
Telephones (Satellite)	1	1
Telephone (Dedicated Lines)	1	1
Radios	Hand-held only	10 desk top for dedicated positions and hand-held
Computers/Data Connections	13	32 with 9 in Back-up OSC
Projectors (A/V System)	2	5 with additional 15 A/V display capabilities in adjacent work areas
Back-up OSC	None	~880 sq ft with 9 work stations and command table
NRC Area	2 small work stations	~390 sq ft with 4 work stations and conference table

Technical Support Center (TSC) LAR

- ▶ Removed references to Units 2/3 SER
- ▶ Described larger work areas
- ▶ Described habitability
- ▶ Described communications
- ▶ Addressed distance from Control Room (reduction in effectiveness)
 - ▶ Outside the guidance of NUREG-0696
- ▶ Impacts one-page of the Emergency Plan
- ▶ Safety Evaluation Content

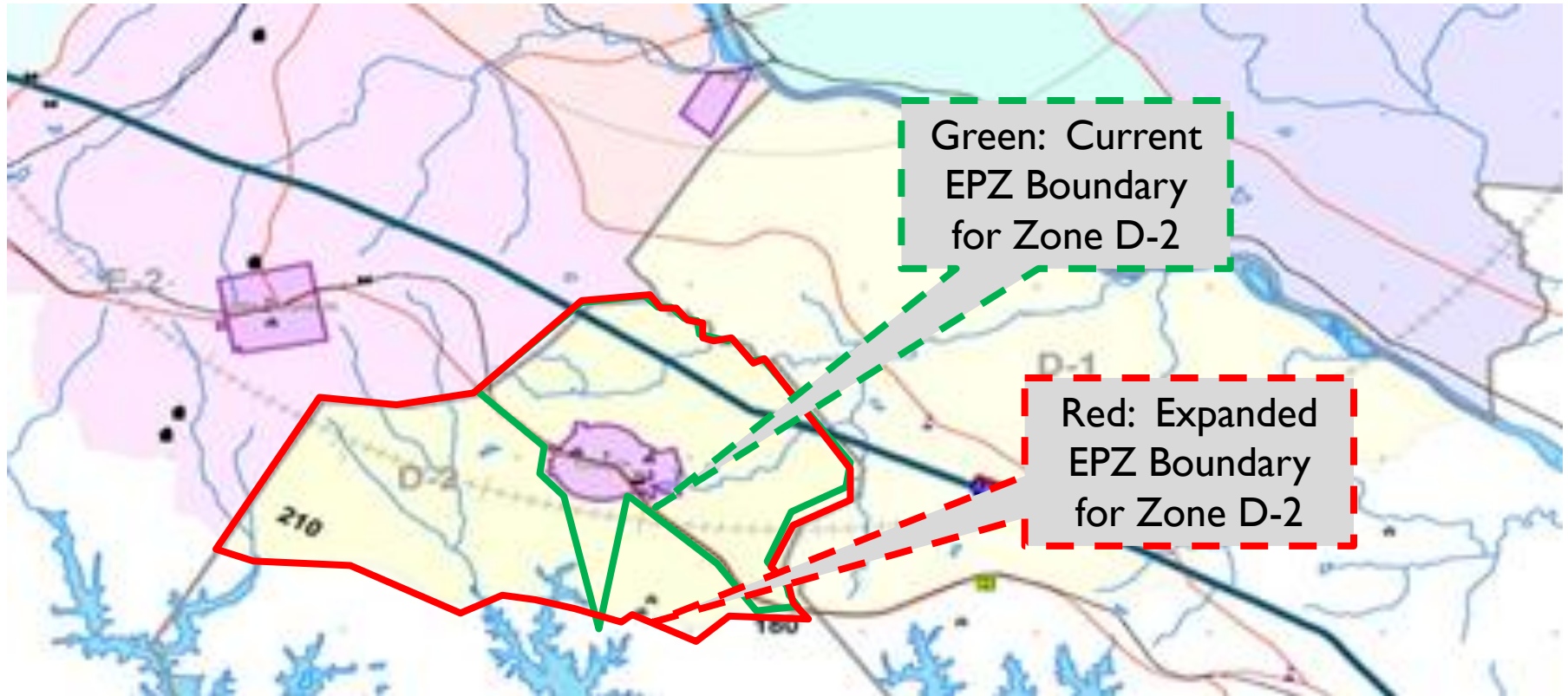
Emergency Planning Zone

- ▶ Expand the Emergency Planning Zone
 - ▶ Lexington County, South Carolina near Chapin, SC
- ▶ SCE&G completed a new Evacuation Time Estimates Report for the expansion in April 2012
- ▶ SCE&G completed a new Alert and Notification System (ANS) Design Report for the expansion in January 2014 which identified two additional Early Warning Sirens sites for Lexington County

Emergency Planning Zone

- ▶ FEMA approved the Lexington County EPZ Expansion in August 2013 with two contingencies:
 - ▶ NRC approval of Unit 1 Emergency Plan
 - ▶ Offsite response organizations update plan
- ▶ FEMA approved the ANS Report in July 2014

Emergency Planning Zone



Emergency Planning Zone

- ▶ Expand the Emergency Planning Zone
 - ▶ Submit Unit 1 LAR in Fall 2014
 - ▶ Unit 2/3 LAR will be technically identical
 - ▶ ETE and ANS Reports (approx 650 pages total) to be included in each LAR as enclosures or under separate cover?
 - ▶ Reduction in effectiveness is approximately a 5 minute increase in evacuation time for some scenarios

Merging EP Plans

Unit 1	Units 2/3
LAR - NEI 99-01 Rev 6 EALs	LAR - to revise EALs
LAR - TSC Relocation	
LAR - EPZ Expansion	LAR- EPZ Expansion
LAR - ERO Activation Time	
50.54(q) - ERO Title and Responsibility Alignment	Unit 2 - 10CFR52.103(g) finding
LAR to Combine Plans	LAR to Combine Plans

Submittal Roadmap

- ▶ Expected submittal of Unit 1 TSC LAR, October 2014.
 - ▶ Requesting approval by 3/31/2015 with 180 day implementation
 - ▶ Requesting approval by 6/30/2015 with 90 day implementation
- ▶ Expected submittal of Unit 1 EPZ LAR, Fall 2014.
 - ▶ Expected Implementation for EPZ within one year of NRC approval.

Questions ?