

PMSummerColpEM Resource

From: Minarik, Anthony
Sent: Thursday, October 20, 2011 8:42 AM
To: PMSummerColpEM Resource
Subject: NRC Geologic and Region II Visit- Presentation provided during October 4, 2011 Inspection
Attachments: NRC GEOLOGY VISIT - October 4-5 2011 .pdf

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Inspection
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*SCE&G • Santee Cooper
Shaw • Westinghouse Electric Company*

NRC Geologic & RII Visit October 4-7, 2011

Units 2 & 3 Site
V. C. Summer Nuclear Station



NRC GEOLOGIC VISIT

Tuesday – October 4, 2011

<u>TIME</u>	<u>PRESENTATION / ACTIVITY</u>	<u>LEAD</u>
8:00	NRC Staff Arrival at SCE&G NND Office (Coffee)	
8:15	NRC Inspection Entrance	NRC (G. Lipscomb)
8:30	Welcome & Introductions – NND Logistics & Safety	SCE&G (F. Salter)
8:40	Agenda Site Overview	SCE&G (B. Whorton)
9:00	Overview of Current Construction Activities Construction Safety Brief	SCE&G (K. Young)
9:15	Unit 3 - Mapping and Oversight Activities	Shaw (E. Washer)
9:45	BREAK	
10:00	Mapping Process and QA Records <ul style="list-style-type: none"> • Processing of Photographs and Documentation • Storage Methods • Exchange of Information (Fugro/Shaw/SCE&G) 	Shaw (M. Cooke)
10:30	Unit 2 - Draft Technical Report	Shaw (M. Cooke) Fugro/WLA (R. Cumbest)
11:00	LUNCH - NND Office	
12:00	Unit 2 Excavation Inspection	All
1:00	Unit 3 Excavation Inspection	All
4:00	Return to NND Office <ul style="list-style-type: none"> • NRC Inspection team internal meeting 	
4:30	Debrief <ul style="list-style-type: none"> • Discussion on Observations • Strategy/Requests/Logistics for Wednesday 	All



NRC GEOLOGIC VISIT

Wednesday – October 5, 2011

<u>TIME</u>	<u>PRESENTATION / ACTIVITY</u>	<u>LEAD</u>
8:00	NRC Staff Arrival at SCE&G NND Office (Coffee)	
8:30	Unit 3 - Excavation Inspection (Continued)	All
12:00	LUNCH - NND Office	
1:00	Unit 3 – Excavation Inspection	All
4:00	Return to NND Office <ul style="list-style-type: none">• NRC Inspection team internal meeting	
4:30	Debrief <ul style="list-style-type: none">• Closing Comments – Geology Inspections• Strategy/Requests/Logistics for Thursday	All



NRC REGION II VISIT

THURSDAY – OCTOBER 6, 2011

<u>TIME</u>	<u>PRESENTATION / ACTIVITY</u>	<u>LEAD</u>
8:00	NRC Staff Arrival at SCE&G NND Office (Coffee)	
8:30	Continue RII Inspection Activities	All
12:00	LUNCH - NND Office	
1:00	Continue RII Inspection Activities	All
4:00	Return to NND Office <ul style="list-style-type: none">• NRC Inspection team internal meeting	
4:30	Debrief <ul style="list-style-type: none">• Discussion• Strategy/Requests/Logistics for Friday	All

FRIDAY – OCTOBER 7, 2011

<u>TIME</u>	<u>PRESENTATION / ACTIVITY</u>	<u>LEAD</u>
8:00	NRC Staff Arrival at SCE&G NND Office (Coffee)	
10:00	NRC Exit	All





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Site Overview

SCE&G Design Engineering

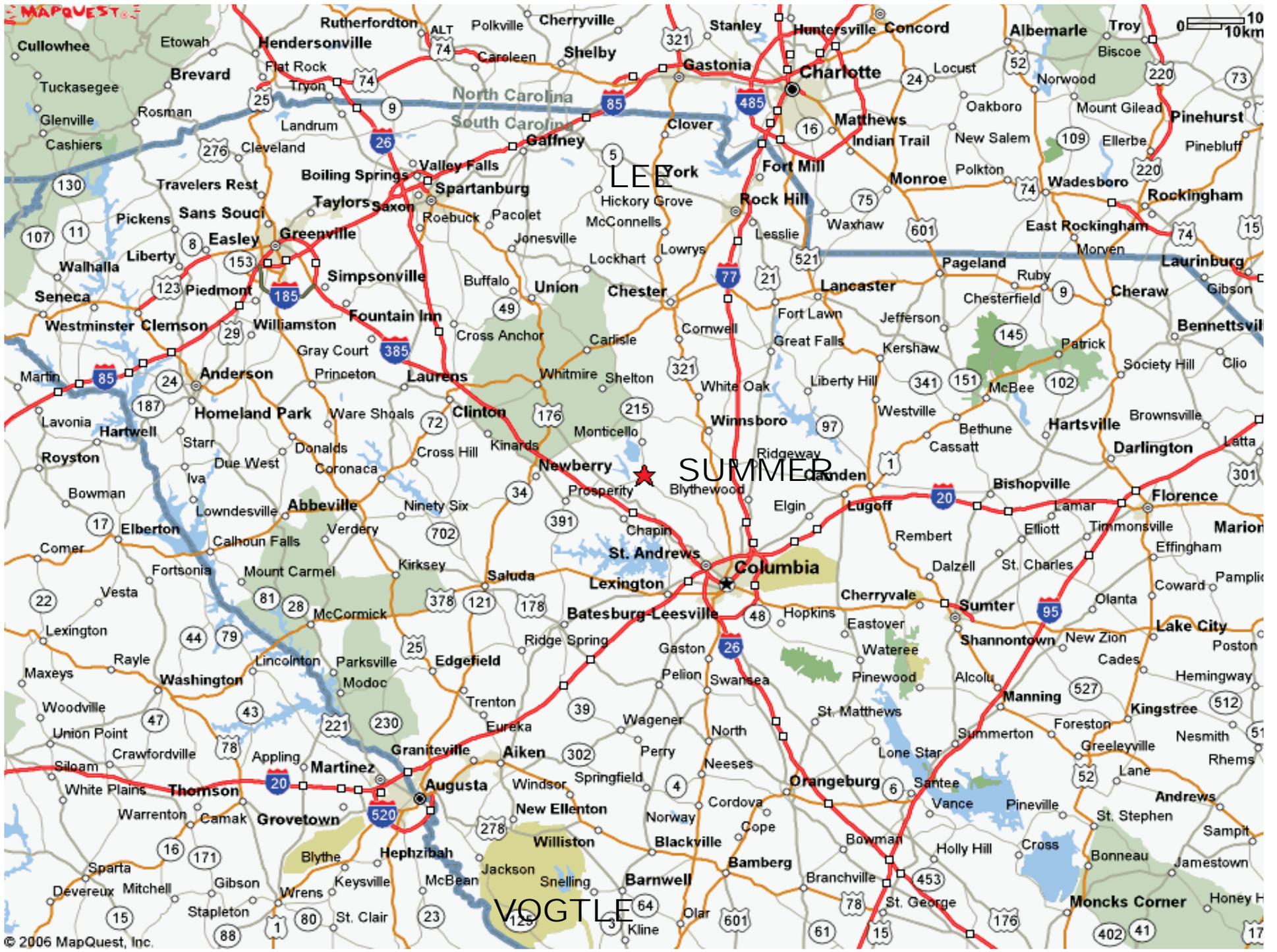
Bob Whorton

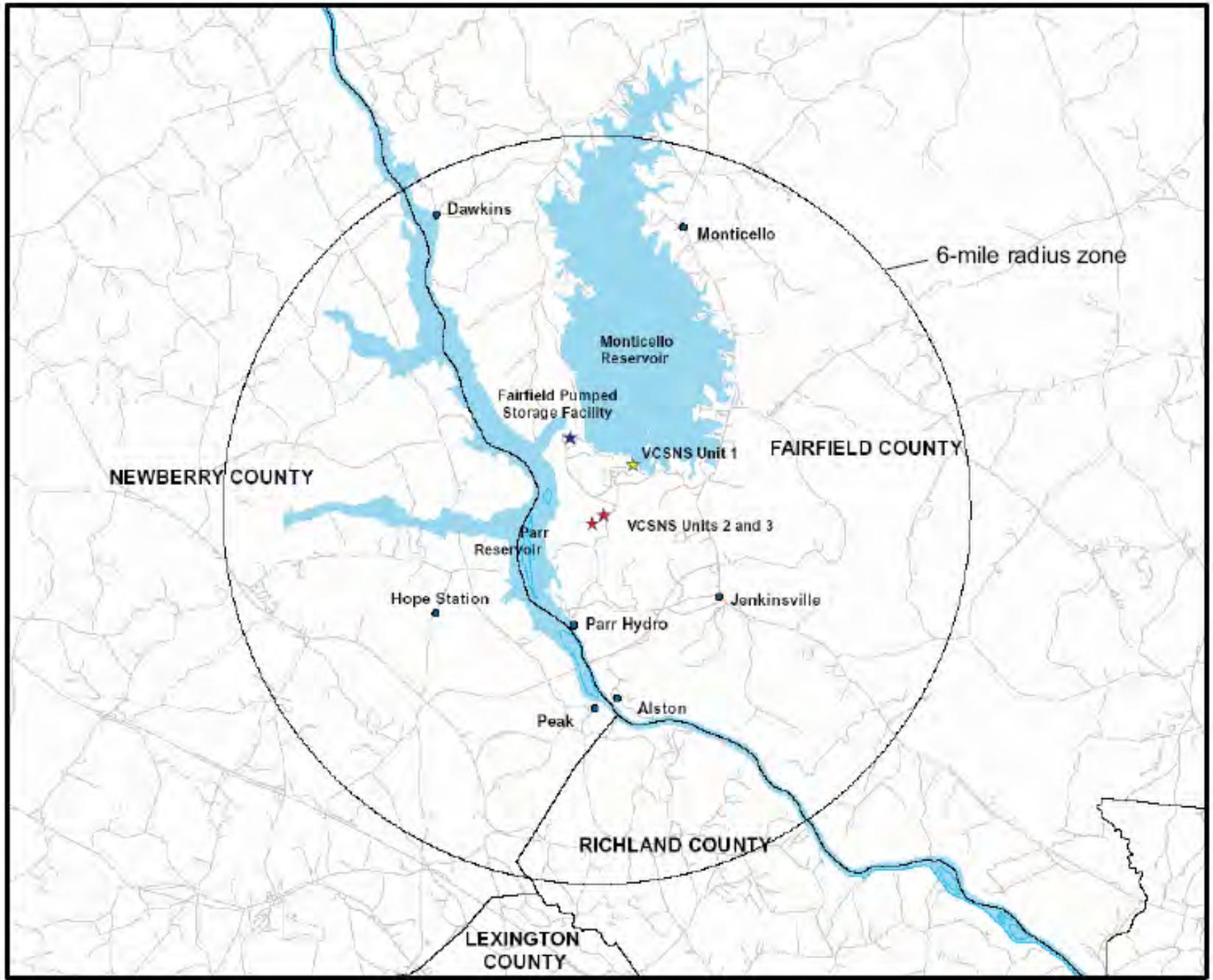


Construction Team

- South Carolina Electric & Gas
 - Licensee & Operator
 - Santee Cooper – Co-Owner
- Shaw & Westinghouse
 - Design
 - Procurement
 - General Contractor
- Subcontractor (Geologic Mapping)
 - William Lettis & Associates (WLA)









UNIT 1

MONTICELLO RESERVOIR

FAIRFIELD PUMPED STORAGE FACILITY

UNIT 2/3 SITE

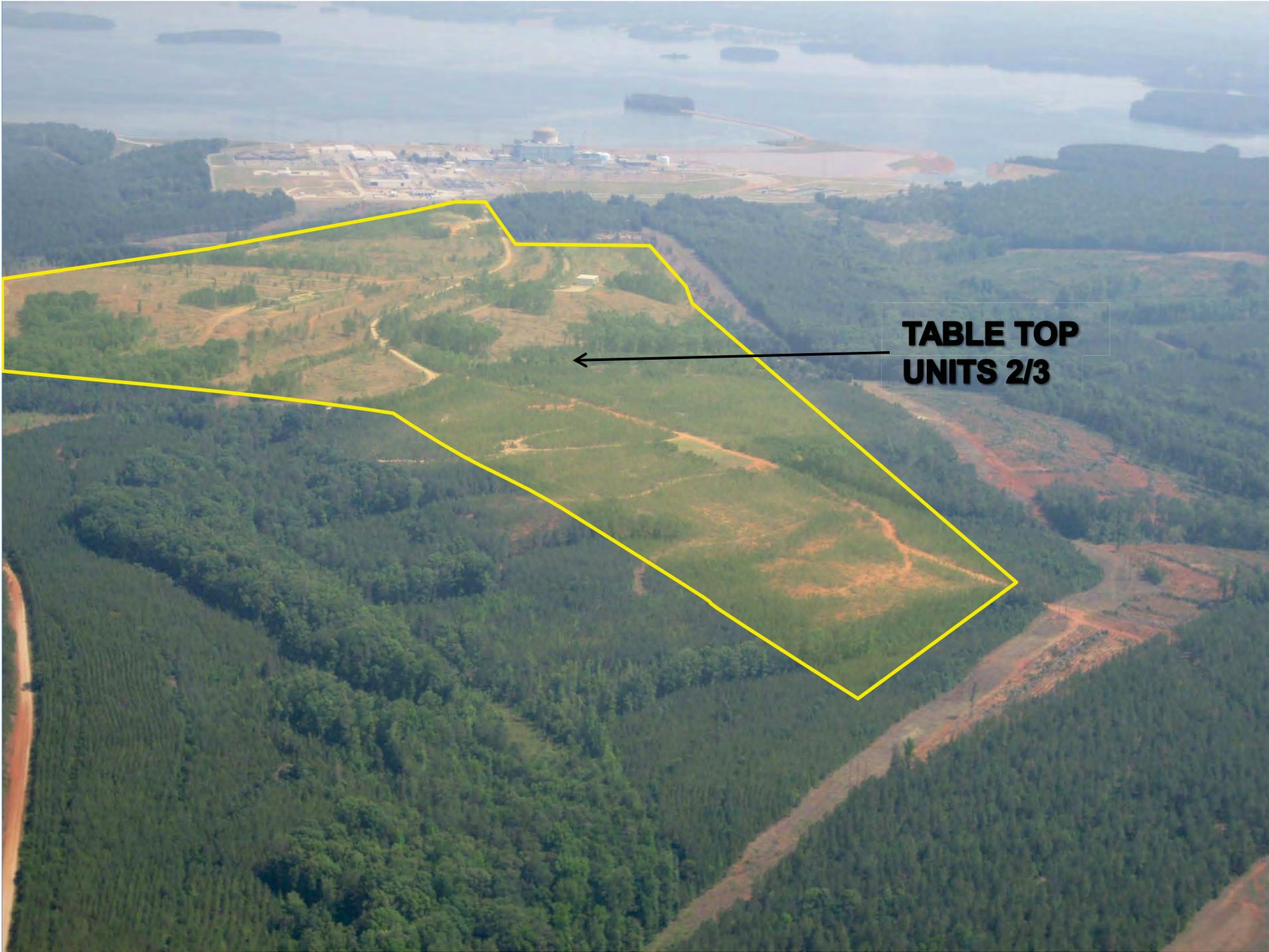


UNIT 1

2007 Aerial Photo

Units 2 & 3





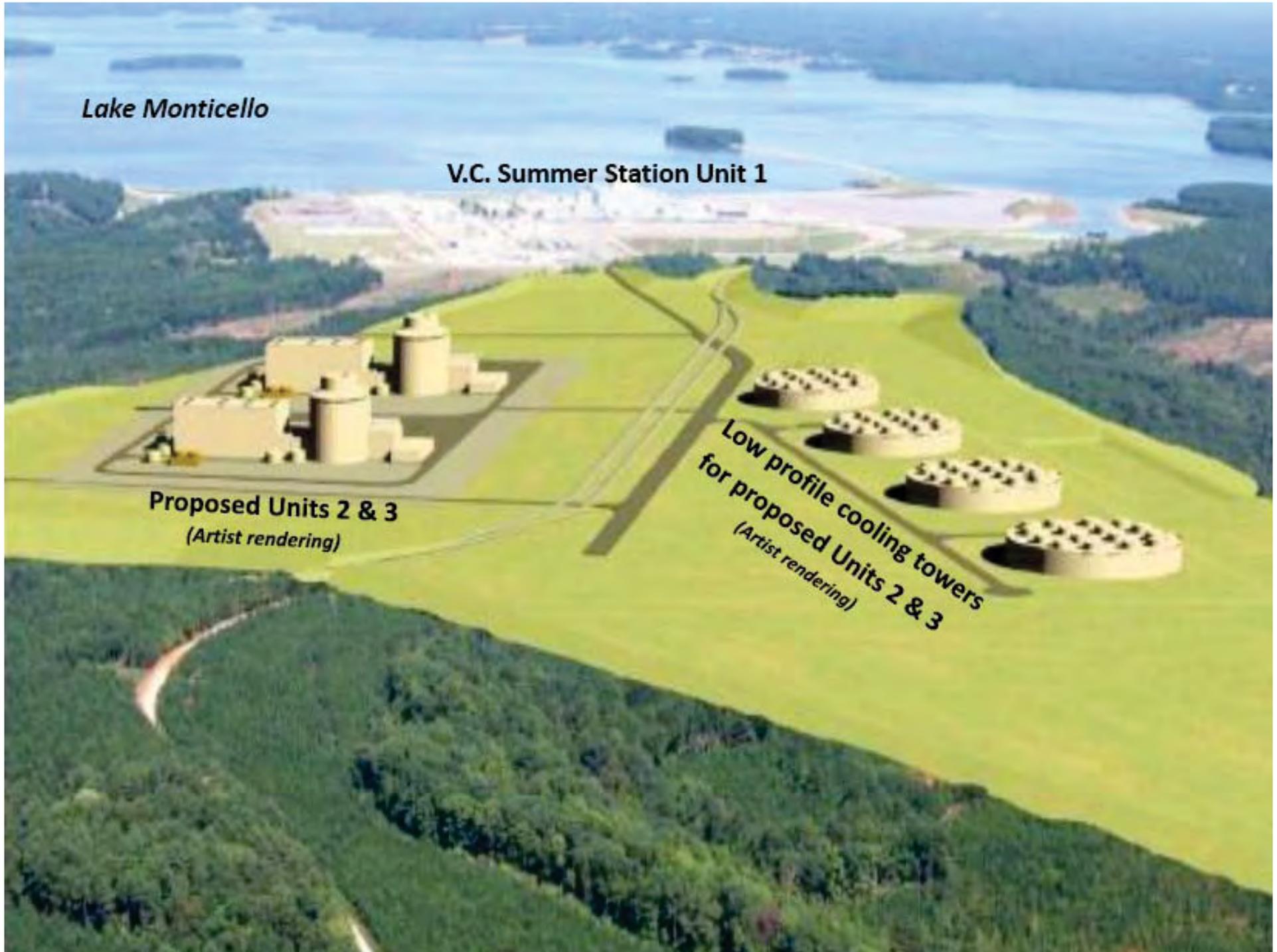
**TABLE TOP
UNITS 2/3**

Lake Monticello

V.C. Summer Station Unit 1

Proposed Units 2 & 3
(Artist rendering)

Low profile cooling towers
for proposed Units 2 & 3
(Artist rendering)





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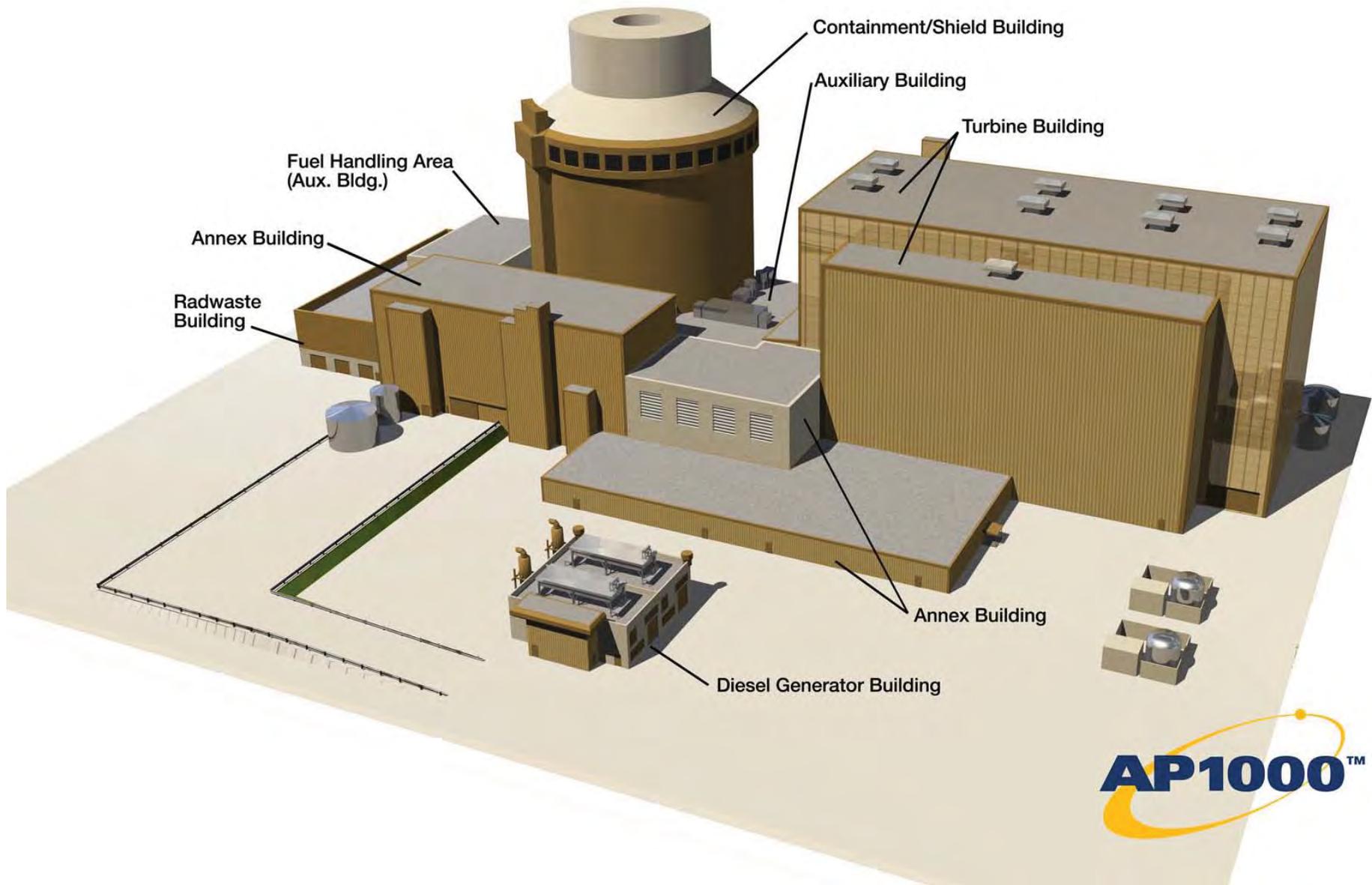


**UNIT 3 EXCAVATION
APRIL 2011**



**UNIT 3 EXCAVATION
SEPTEMBER 2011**

The Westinghouse AP1000™

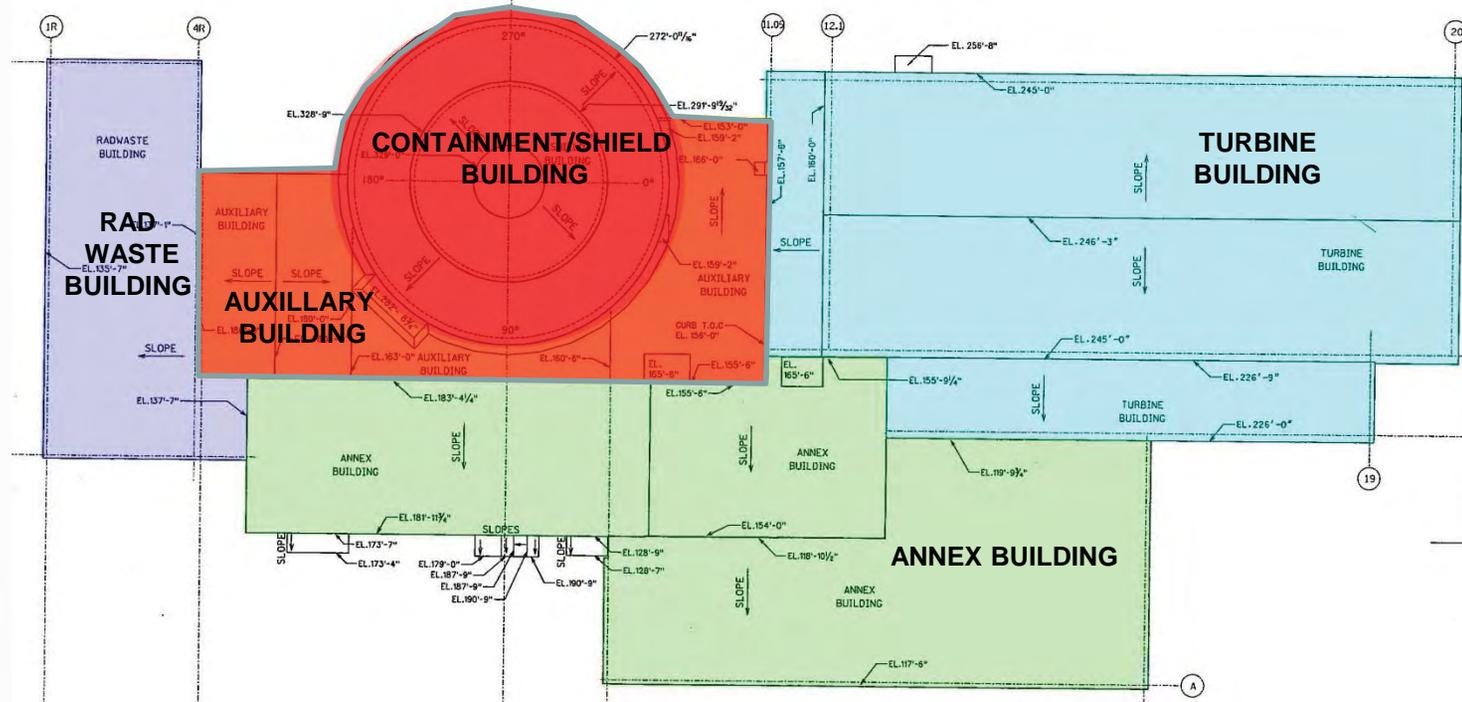


AP1000™

AP1000 Power Block

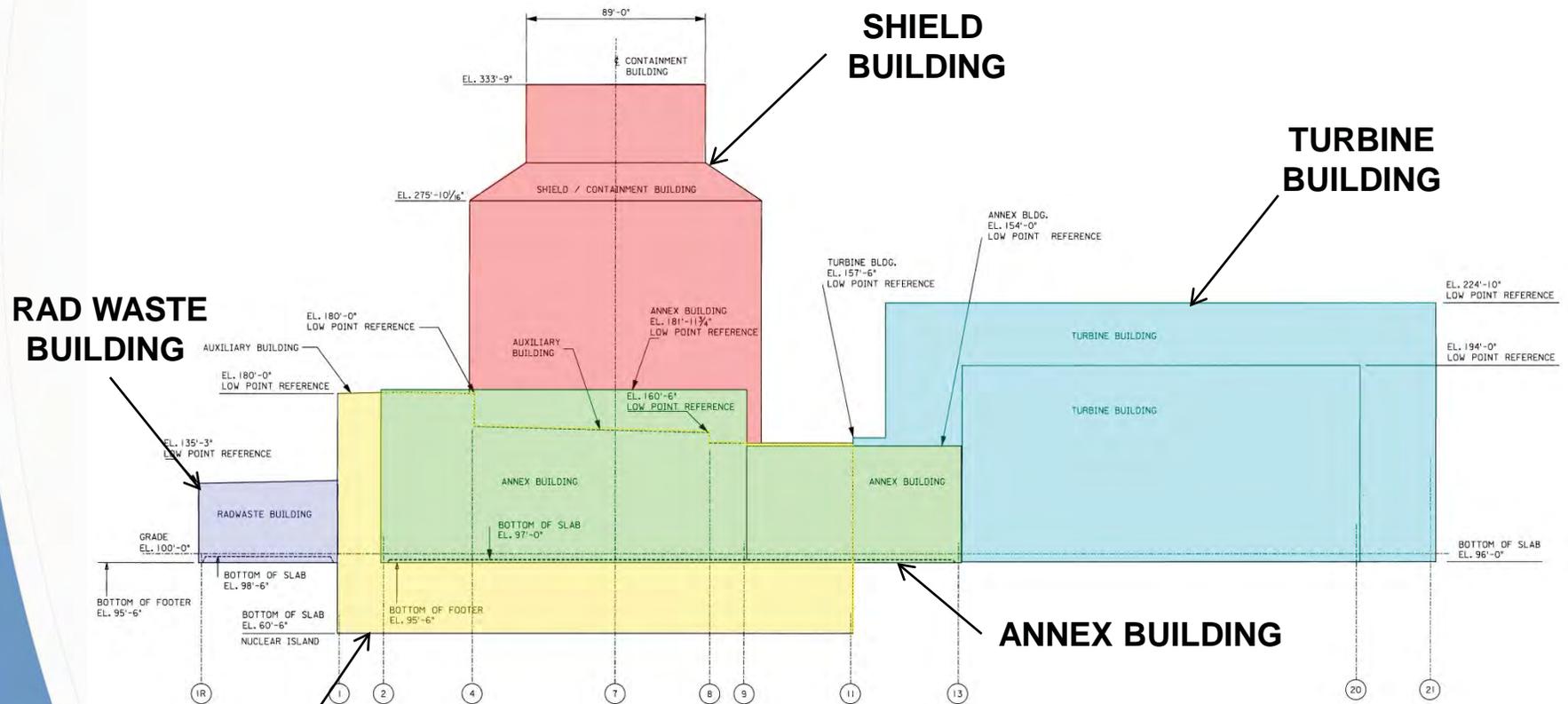
Nuclear Island

- Containment and Aux. Building
- Safety Related
- Share common base mat
- Seismic Category 1



- Excavation encompasses entire Power Block
- Rad. Waste, Containment, Annex, and Turbine Building are Non-Safety Related
- Portion of Annex is Seismic Category 2

AP1000 Power Block



BUILDING



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Safety Orientation

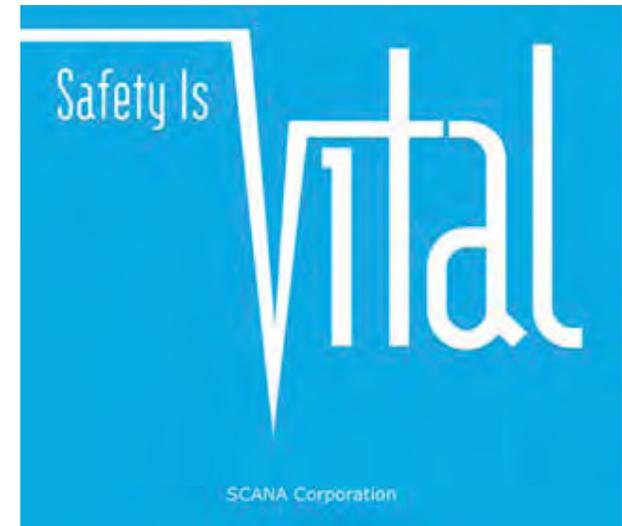
SCE&G Construction

Patrick Gibbons



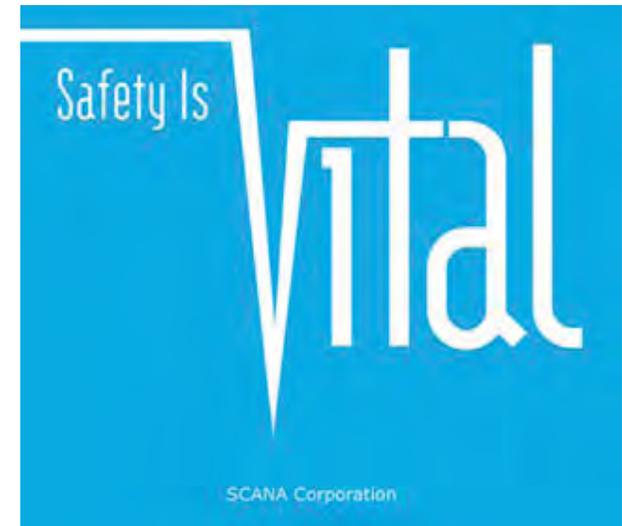
SCE&G Safety

- Construction Safety
 - PPE outside of vehicle
 - Stay with group
 - Large earth-moving equipment
 - Photographs



SCE&G Safety

- Personal Protective Equipment (PPE)
 - Reflective vest
 - Appropriate footwear
 - Safety Glasses with shield
 - Hard hat
 - Gloves specific for use (must be available on person if not in use)



OVERALL SITE PROGRESS



09/21/2011 10:15 A

CB&I LOWER BOWL INSTALLATION



09/21/2011 09:52 AM

CA01/CA20 PLATEN FABRICATION

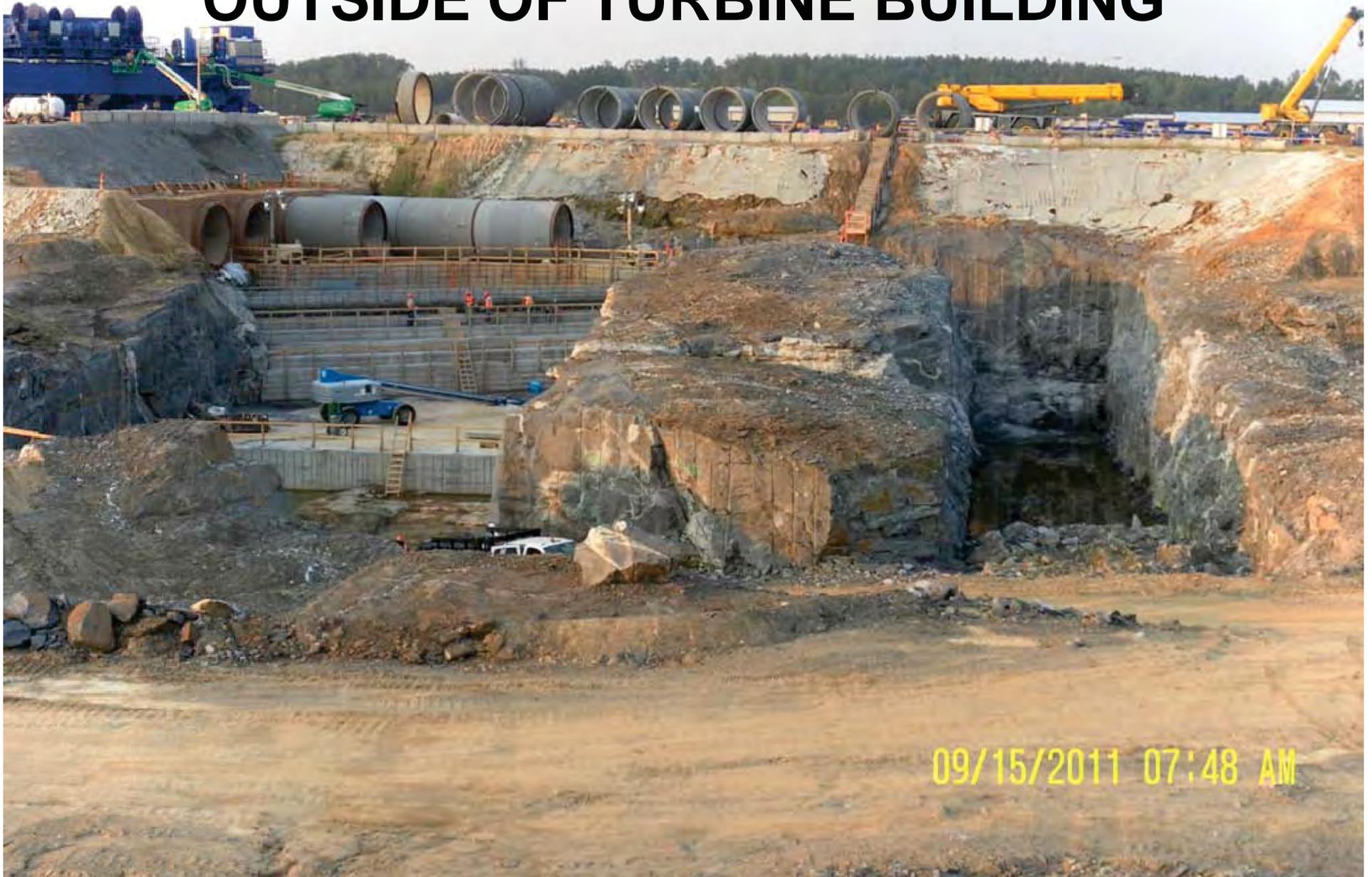


09/20/2011 01:31 PM

UNIT 2 POWER BLOCK



UNIT 2 CWS PIPE INSTALLATION OUTSIDE OF TURBINE BUILDING



09/15/2011 07:48 AM

UNIT 2 COOLING TOWER 2A/PUMP HOUSE CWS INSTALLATION



09/20/2011 02:01 PM

UNIT 2 CWS PIPE TO COOLING TOWER 2A



09/19/2011 12:08 PM

HEAVY LIFT DERRICK BOOM



09/21/2011 10:06 AM



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Site Tour

Units 2 & 3 Sites
V. C. Summer Nuclear Station

