




United States Nuclear Regulatory Commission Official Hearing Exhibit		
In the Matter of: FLORIDA POWER & LIGHT CO. (Turkey Point Nuclear Generating Units 6 and 7)		
Commission Mandatory Hearing		
	Docket #:	05200040 05200041
	Exhibit #:	FPL-005-MA-CM01
	Admitted:	12/12/2017
	Rejected:	
	Other:	
		Identified: 12/12/2017
		Withdrawn:
		Stricken:

Turkey Point Nuclear Power Plant

Units 6 & 7

Safety Panel

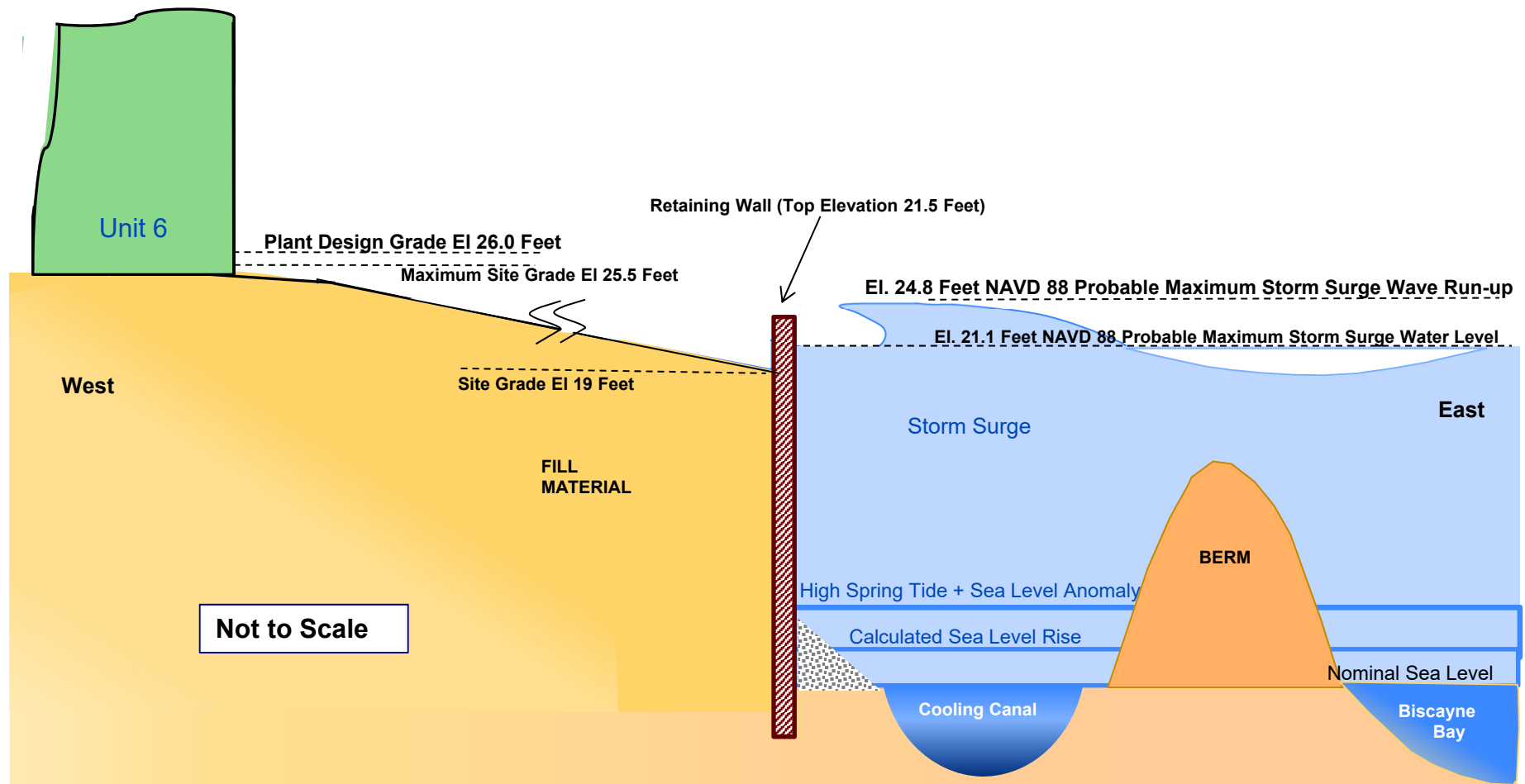
Steve Franzone
Licensing Manager

Paul Jacobs
Engineering Supervisor

Rick Orthen
Licensing Engineer



Conservative Probable Maximum Storm Surge Analysis accounts for sea level rise

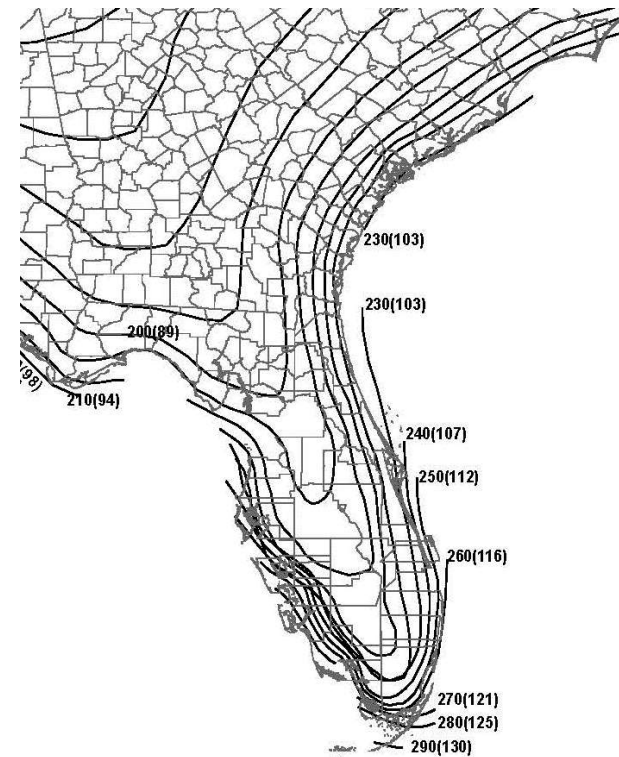


The analysis is performed using worst case parameters to calculate storm surge and wave run-up

Highest estimated historical 3-second wind gust speed was 204 mph during Hurricane Andrew in 1992 & is bounded by the 300 mph AP1000 DCD Tornado Wind Speed

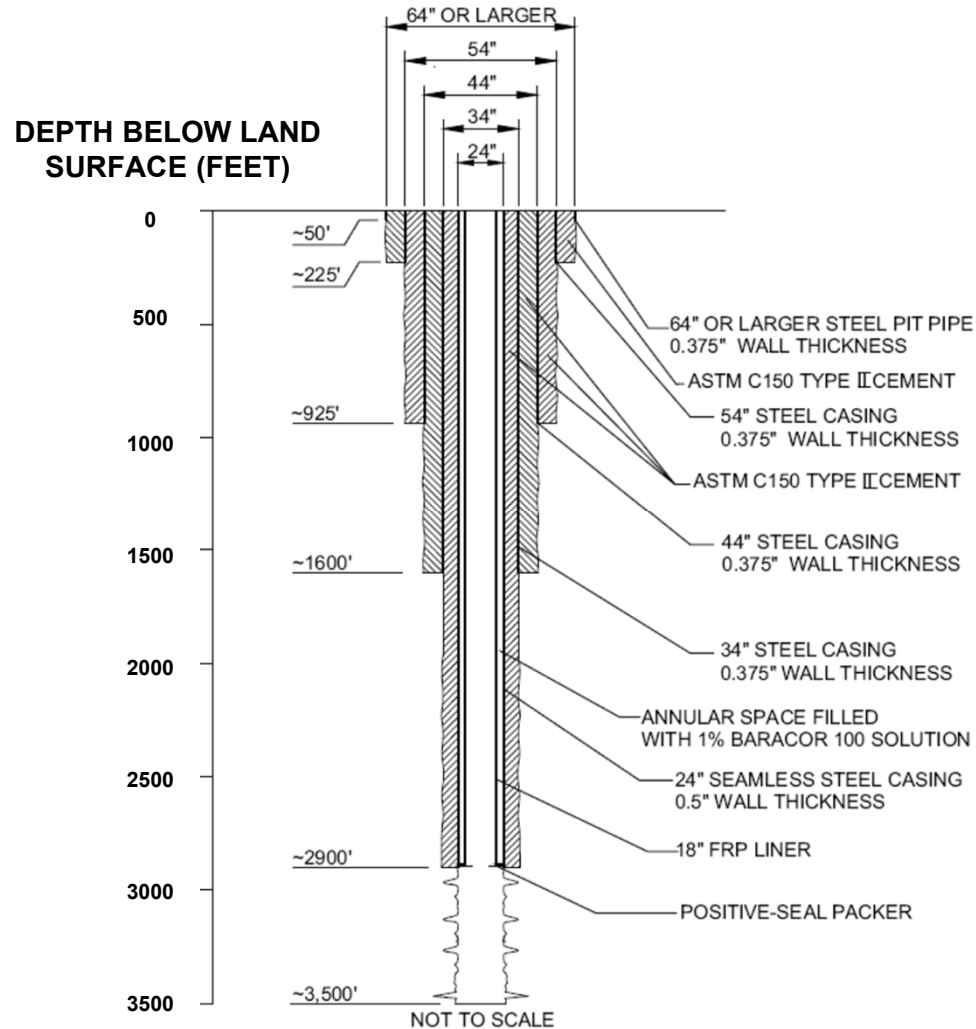
Wind Speeds Associated with PTN 6&7

- AP1000 DCD Tier 2 Operating Basis wind speed is 145 mph, 3 second gust, 50-year return interval
- Turkey Point “Operating Basis ” wind speed is 150 mph, 3 second gust, 50-year return interval
- The wind load does not control the design for the Nuclear Island structures, therefore, a small increase is acceptable



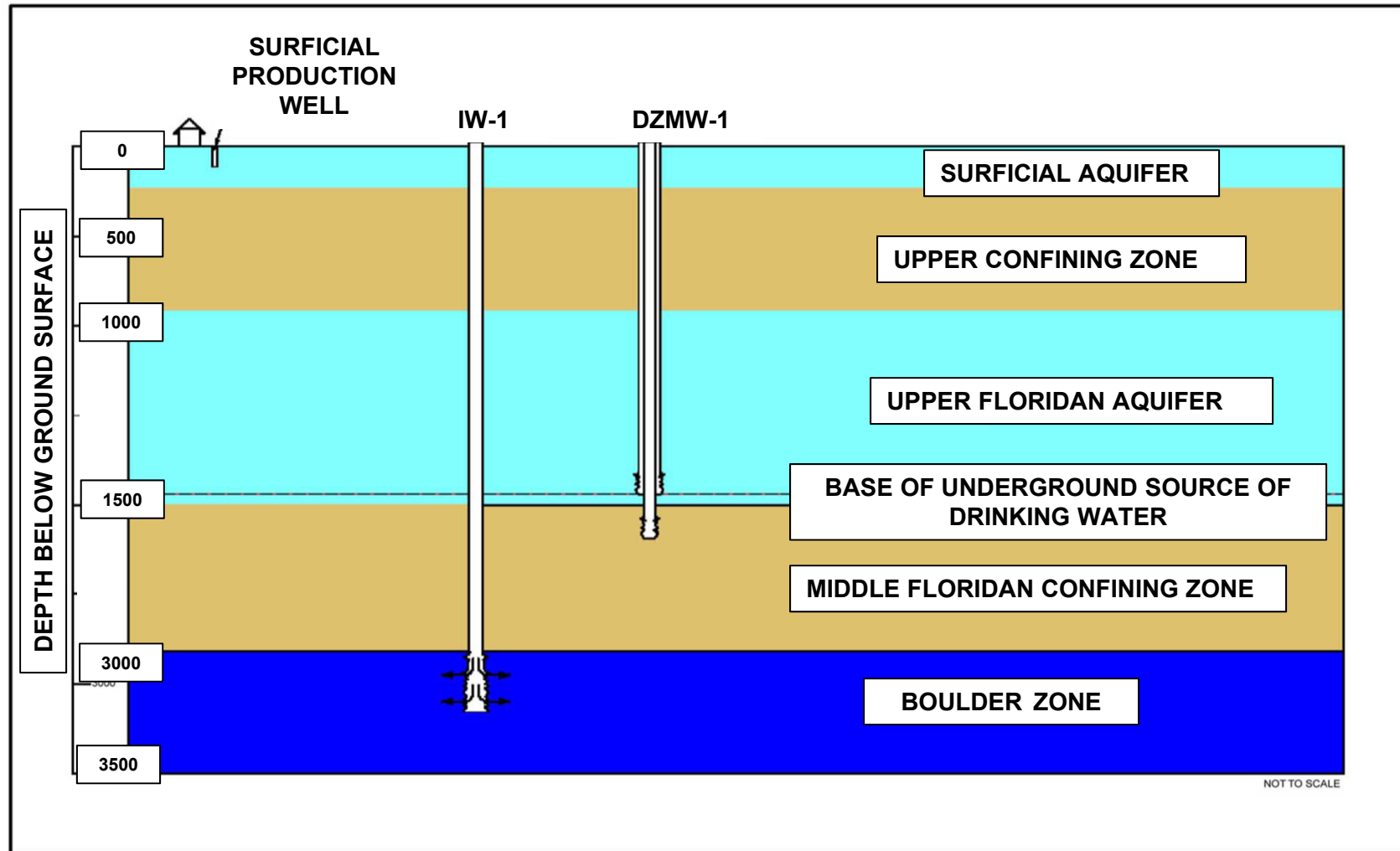
Turkey Point Units 6 & 7

Underground Injection Control Well Design



Members of the public are geologically isolated from liquid effluents

Deep Well Injection System



Geologic confinement of liquid effluent minimizes exposure

