Turkey Point Nuclear Power Plant

Units 6 & 7

Safety Panel

Steve Franzone
Licensing Manager

Paul Jacobs
Engineering Supervisor

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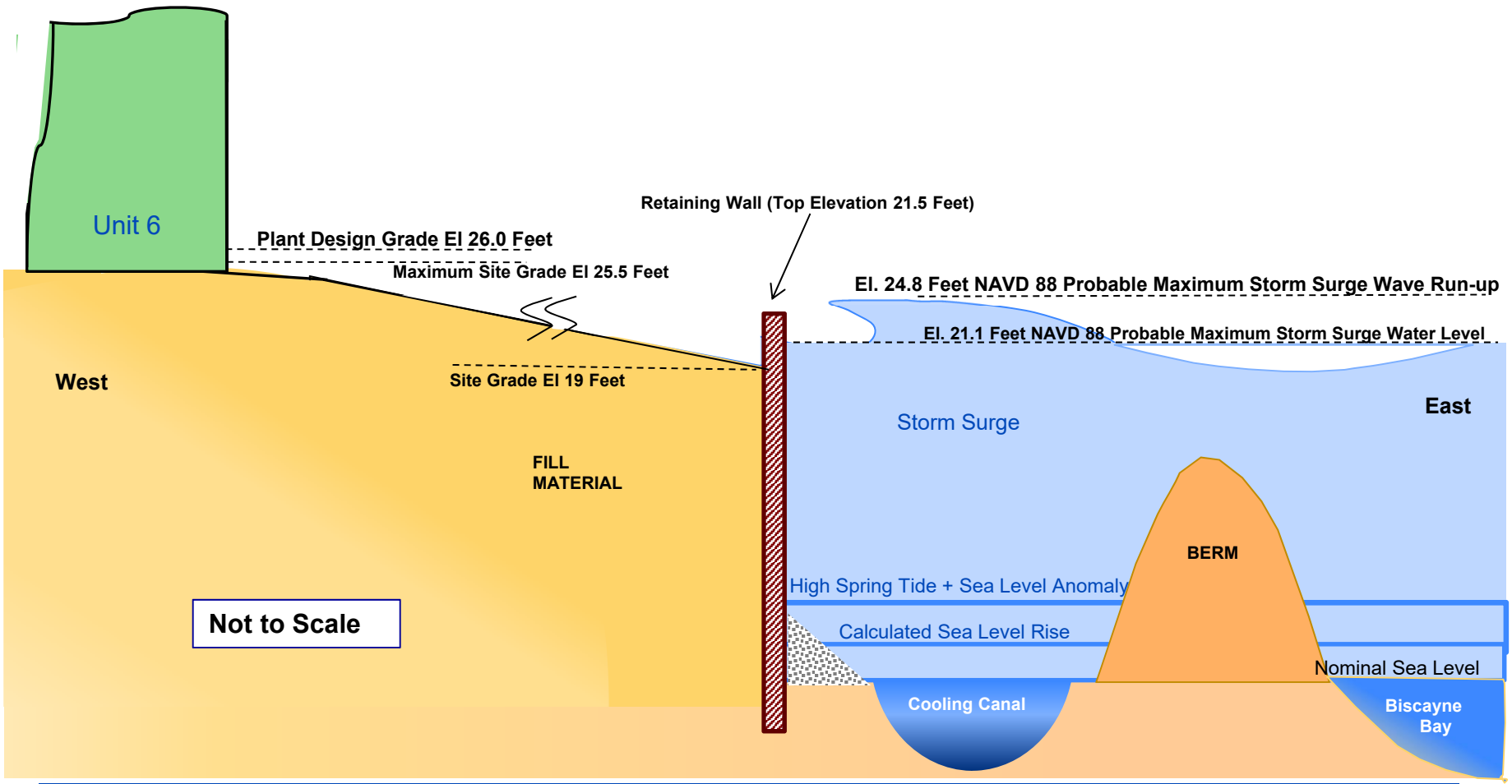
Conservative Probable Maximum Storm Surge Analysis accounts for sea level rise

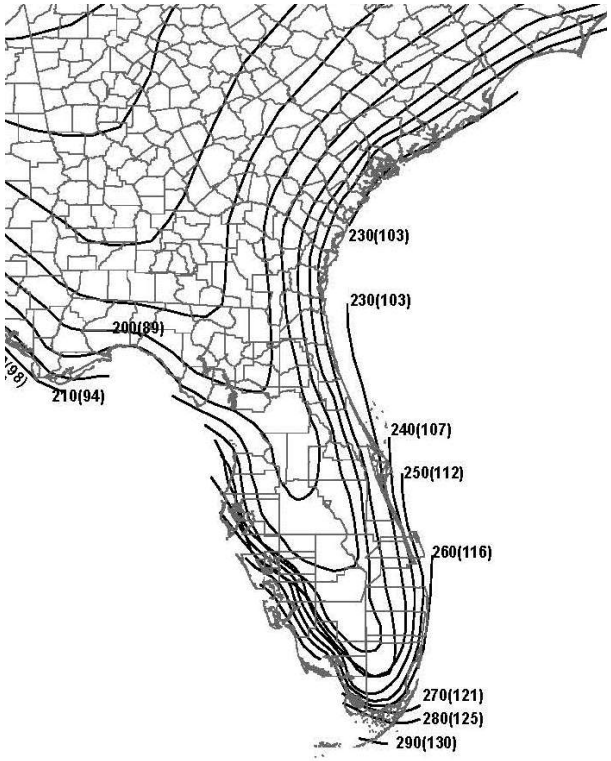


The analysis is performed using worst case parameters to calculate storm surge and wave run-up

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

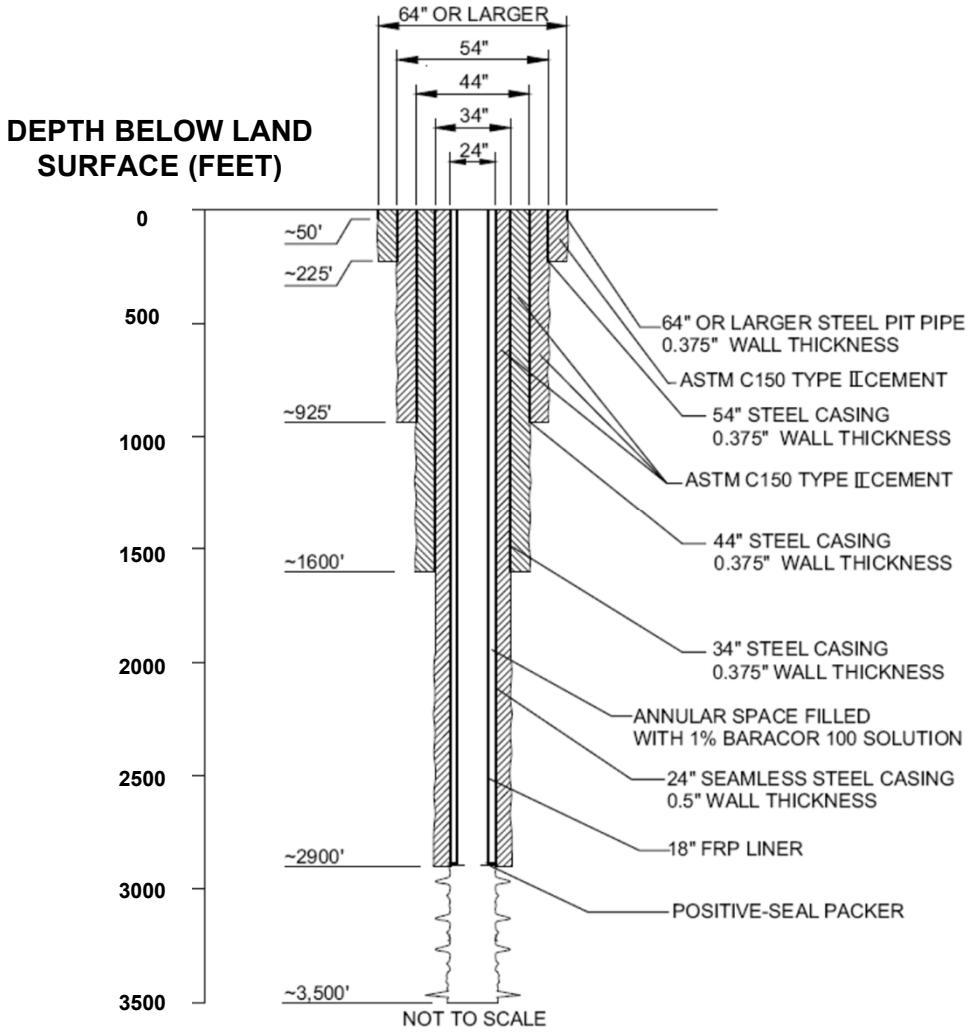
Wind Speeds Associated with PTN 6&7

- 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



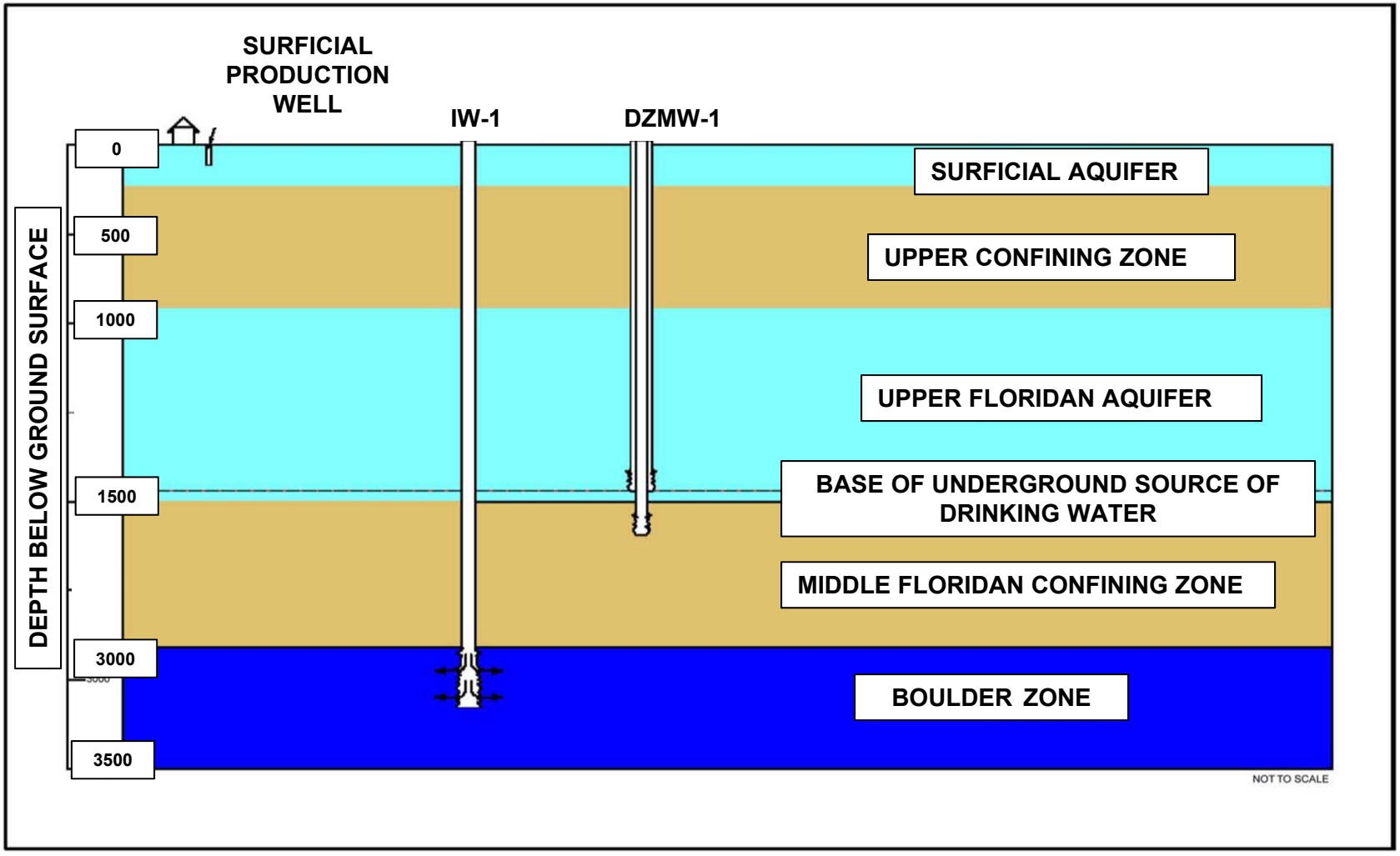
Turkey Point Units 6 & 7

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