

1. How is water made up to the SFP?
2. How are the pumps powered that cool the SFP?
3. Describe the SFP cooling system that is currently being used.
4. What onsite and offsite power sources are available to equipment that supports the SFP? (Ac and dc power) Do you have uninterruptable power?
5. What fire protection equipment is available?
6. How is the site staffed? Experience of the fuel handlers?
7. How are rounds made? How often?
8. Typical duties of fuel handlers?
9. What is proceduralized wrt the SFP?
10. Do you maintain electricians, mechanical, and other maintenance people on site? If not, how are they summoned and how quickly do they respond when a problem arises?
11. What is onsite EP for a decommissioned plant? Who responds and where do they respond to?
12. How many makeup sources do you have? Are they Seismic Category I? What is the volumetric flow rate of the makeup sources available?
13. How tightly do you maintain the airtightness your building? Leave doors open? Leave hatches open?
14. Have you maintained your hvac system in the pool area in an operable condition?
15. Where is the sfp control room and what is instrumented there and what is alarmed? Are there separate alarms and monitors for sfp level, temperature, and radiation levels? Do you have SFP leakage monitoring in the sfp control room? If not, where is it monitored and alarmed?
16. What has been your maintenance record for the SFP level, temperature, and radiation instruments since the plant was shut down?
17. How are these instruments powered? Safety busses?
18. Are the instruments redundant? Are they diverse?
19. Is your plant being dismantled? What effects on sfp?
20. When was the last time a heavy load was transported over the sfp? How often are heavy loads moved by crane? Over the pool?

Support Systems for Pumps
 - oil/lube
 - seal water
 - Cooling (bearings)

Power Supply Protection
 - missiles
 - seismic
 if different from operatis plant

Support Systems

- Skimmer to keep surface clean
- Demineralizer
- Purifier Indicators
- Level
- Temperature
- Radiation Level
- Leak detection
- Makeup → Boron

↓ likely from demineralized water source

B/1/24

Expected offload off SFP to offsite
 • moves per month
 • when to start
 (for future - if Yucca there how soon)

21. When transporting heavy loads, does the plant use the single failure proof crane or other cranes?
22. What are the practical effects of making the SFP an island?
23. What equipment now used to cool the pool
24. is Seismic Category I?
25. What do you have in the pool besides fuel? In particular is anything hanging on the side of the pool or sitting on top of the racks?
26. What would the radiation field be if the pool water level dropped? How low would the water have to drop before you worried about the radiation levels?
27. Have you had any drain down events (big or small) since decommissioning? Have there been any gate or gate seal leaks since decommissioning? Any transfer tube leaks? Any other leaks? Have there been any siphoning events since decommissioning?
28. What are your TS requirements for the pool and its supporting equipment?
29. Do you have any capped off lines under the pool that would provide a SFP leakage path if the lines failed?
30. Do you conform to the heavy loads program and RG-?????
31. Are transient combustibles controlled at the site, in the SFP area, and near the SFP cooling equipment?
32. Have there been switchyard or electrical problems since decommissioning?

Load path?
Specific drop analysis?

(A)

consider 25.

seal (pressure support systems)
aging issues w/ seal material

(A) Good question - I believe BWRs may hang control rods in the pool which would impact rad fields for partial (non-uncovered) drain down.