

TABLE 5.1-1
 (Sheet 1 of 2)

2003 JAN 31 PM 2: 11

ANTICIPATED TIME AND PERSONNEL REQUIREMENTS
 FOR HI-STORM CANISTER TRANSFER OPERATIONS

OFFICE OF THE SECRETARY
 RULEMAKINGS AND
 ADJUDICATIONS STAFF

OPERATION	NO. OF PERSONNEL ¹	TASK DURATION (HOURS)
1. Receive and inspect shipment. Measure dose rates.	3	0.5
2. Move shipment into Canister Transfer Building.	4	0.5
3. Remove personnel barrier, measure cask dose rates, and perform contamination survey.	3	1.6
4. Remove impact limiters and tiedowns.	3	1.5
5. Attach lifting yoke to crane and HI-STAR shipping cask. Upright HI-STAR cask and move to transfer cell. Connect support struts.	3	1.0
6. Sample enclosed cask gas and vent.	2	0.5
7. Remove HI-STAR closure plate bolts.	3	1.0
8. Remove HI-STAR closure plate (lid).	3	0.2
9. Prep HI-STAR to mate with HI-TRAC transfer cask.	3	0.2
10. Install canister lift cleats and attach slings.	3	1.0
11. Attach lifting yoke to crane and HI-TRAC.	3	0.5
12. Mount HI-TRAC on top of HI-STAR.	3	0.5
13. Open HI-TRAC transfer cask doors.	3	0.2
14. Attach slings to canister downloader hoist and raise canister.	3	0.5
15. Close HI-TRAC doors and install pins.	3	0.2
16. Lower canister onto HI-TRAC doors.	3	0.2
17. Prep HI-STORM storage cask to mate with HI-TRAC transfer cask.	3	0.2
18. Move HI-TRAC from HI-STAR to HI-STORM.	3	0.7
19. Raise canister and open HI-TRAC doors.	3	0.5
20. Lower canister into HI-STORM storage cask	3	0.5

TABLE 5.1-1
(Sheet 2 of 2)

ANTICIPATED TIME AND PERSONNEL REQUIREMENTS
FOR HI-STORM CANISTER TRANSFER OPERATIONS

OPERATION	NO. OF PERSONNEL ¹	TASK DURATION (HOURS)
21. Disconnect lifting slings.	3	0.2
22. Close transfer cask doors.	3	0.2
23. Remove HI-TRAC from HI-STORM	3	0.5
24. Remove canister lift cleats.	3	0.5
25. Install HI-STORM lid and lid bolts.	3	1.0
26. Perform dose survey and install HI-STORM lifting eyes.	3	0.5
27. Drive cask transporter in transfer cell.	2	0.3
28. Connect HI-STORM to cask transporter.	3	0.5
29. Raise HI-STORM storage cask.	3	0.2
30. Transport HI-STORM cask to storage pad.	3	2.0
31. Position and lower HI-STORM cask on pad.	3	0.5
32. Disconnect HI-STORM cask from transporter and remove cask lifting eyes.	3	1.0
33. Connect cask temperature instrumentation.	3	0.5
34. Perform cask operability tests.	2	48
Total Hours	-	19.9 ²

Notes

- Number of personnel typically includes 2 to 3 operators and 1 HP technician.
- Total does not reflect 48 hour duration in Step 34, which is time required for cask temperature to reach equilibrium. Personnel time required to monitor temperatures during the equilibrium phase is minimal.

NUCLEAR REGULATORY COMMISSION

License No. _____ Official Exh. No. 188
 In the matter of PFS
 Staff _____ IDENTIFIED
 Applicant _____ RECEIVED
 Intervenor REJECTED _____
 Other _____ WITHDRAWN _____
 DATE 5-16-02 Witness _____
 Clerk pmf