

## Attachment 1

### PBNP SG Nozzle Dam Installation & Vent Path Timeline April 9, 2004

6:50	Concern raised about the validity of installing S/G hot leg nozzle dams without an established hot leg vent path. Cold leg nozzle dams are installed and tested. OCC Investigating. (OCC LOG)
6:52	OCC contacted containment 8 foot and learned that some pieces of the hot leg nozzle dams are located inside the hot leg opening but the hot leg nozzle dams are not completely installed. SOM directed that all pieces of 1A hot leg nozzle dam be removed from 1A S/G hot leg opening. Installation of the 1B hot leg nozzle dam can continue. (OCC LOG)
6:55	One 1A S/G Hot Leg Nozzle Dam side out of bowl (FME Material Control Log)
6:56	1A S/G Hot Leg Nozzle Dam center out of bowl for vent path. (FME Material Control Log)
7:15	Phone call to SOM informing OCC that A hot leg is clear of all nozzle dam pieces, there is a problem with one set of threads on the A S/G that may need to be retapped, 1B hot leg nozzle dam installation is in progress. OCC also informed that RP crew will be reaching work hour duration limits and will need to leave site following completion of 1B hot leg nozzle dam. Day shift RP crew will need to be briefed to allow completion of the 1A hot leg nozzle dam. (OCC LOG)
7:34	OCC informed that 1B hot leg nozzle dam installation is complete. IPTE brief for day shift RP techs supporting nozzle dam job will be led by Gary Sherwood. Tentatively set for 0830. (OCC LOG)
8:07	IPTE brief for nozzle dam installation confirmed for 0830 in the RP briefing room. (OCC LOG)
8:21	Clay Hill assigned as management representative to discuss the orange path contingency plan for IPTE brief. (OCC LOG)
8:22	Update from Gary Sherwood is that we will need to chase threads for one penetration in the 1A S/G, procedure change may be required to allow for this, and estimated installation is now 1000. (OCC LOG)
8:24	OCC informed that pressurizer manway has been removed with the exception of the diaphragm. (OCC LOG)
8:47	OCC informed that pressurizer manway and diaphragm are removed. (OCC LOG)
10:24	Nozzle dam installation put on hold. OCC informed that we had more than the one personnel safety incident discussed at the 0600 turnover. (OCC LOG)
10:59	Following a meeting to discuss personnel safety on the nozzle dam installation activity, the Plant Manager informed the OCC of the protocol to follow prior to recommencing the nozzle dam job. Engineering will conduct an inspection of the hoses and fittings for breathing air, Safety will brief the four personnel safety issues with the affected individuals, Safety and Nuclear Oversight will observe the observation via camera, Safety has authority to stop the job at any point they desire. Once these measures are in place, OCC will be informed. Subsequently, OCC will update the WCC. WCC will control release of the nozzle dam job. (OCC LOG)
11:52	OCC informed that nozzle dam predecessors to work have been completed. (OCC LOG)
11:53	WCC informed that nozzle dam work predecessors have been completed. (OCC LOG)
12:12	OCC informed that 1A S/G hot leg nozzle dam installation is commencing. (OCC LOG)
12:55	OCC informed that 1A hot leg nozzle dam is installed. Verification of proper installation is in progress. (OCC LOG)
13:01	WCC informed that 1A S/G hot leg nozzle dam is installed and verification is in progress. (OCC LOG)
14:20	OCC informed that all nozzle dams inflated and tested. (OCC LOG)
15:54	Unit 1 exited reduced inventory. (OCC LOG)
15:08	Commenced raising Rx Vessel Level >70% per OP5A (STATION LOG)
15:53	Unit 1 exits reduced inventory level >55% (STATION LOG)
16:11	Rx vessel Level stabilized at 70% per OP5A (STATION LOG)
16:13	Unit 1 reactor vessel level stable at 70%. (OCC LOG)