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Subject: Arkansas Nuclear One - Unit 1
Docket No. 50-313
License No. DPR-51
ANO-1 Third Ten Year IST Program Submittal

Gentlemen:

Pursuant to the requirements of 10CFR50.55a Entergy Operation^e is required to submit the Third Ten Year IST Program for ANO Unit 1. Attachment 1 contains a description of the program and how it was developed. Attachment 2 contains program changes subsequent to the last program submittal made on September 21, 1993 (1CAN099304). Attachment 3 contains the Third Ten Year IST Program Submittal.

Should you have any questions or comments, please call me at 501-858-4601.

Very truly yours,

Dwight C. Mims
Director, Nuclear Safety

DCM/mkg

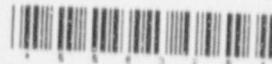
Attachments

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Drawings in Central files

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ATTACHMENT 1

IST PROGRAM DEVELOPMENT PROCESS

ATTACHMENT 2

IST PROGRAM CHANGES

This attachment provides a summary of changes to the ANO-1 IST program since the September 21, 1993 program submittal.

CHANGE #	AFFECTED COMPONENTS	DESCRIPTION OF CHANGE	BASIS FOR CHANGE
1	Generic - Relief Requests/ Refueling Outage Justifications	Relief Requests 6, 7, 9, 14, 16, and 19 have been converted to refueling outage justifications 1 through 6. Appendix 5 lists refueling outage justifications.	OMa-1988, Part 10 allows certain valve tests to be performed at refueling outage frequency with justification.
2	Generic - Relief Requests	Relief Requests 1, 2, 3, 4, 10, 32, and 33 were deleted.	Due to changes in the Code and NUREG 1482 guidance allowed these relief requests to be withdrawn.
3	Generic - Relief Requests	Relief Requests 26, 28, and 30 were withdrawn.	These relief requests were for non-Code components.
4	Generic - Relief Requests	The remaining Relief Requests 8, 17, 22, 23, 25, and 34 were retained and renumbered 1 through 6. Note: Relief Requests 5, 11, 12, 13, 15, 18, 20, 21, 24, 27, 29, and 31 were withdrawn by ICAN099304	Completeness.
5	Relief Request -7	Added new relief request for cold shutdown full flow testing performed on HPI pumps	Enhancement
6	Generic - Cold Shutdown Justifications	Added Appendix 6 for Cold Shutdown Justifications.	Cold Shutdown Justifications are being added to NUREG 1482 guidance.
7	Generic - Valve Table	Added references to cold shutdown and refueling outage justifications.	Complete.
8	Generic - Pump Table	Deleted bearing temperature, suction pressure, and bearing oil level.	Not required per OMa-1988, Part 6, Table 2
9	Relief Valves	Added relief requests 8, 9, 10, 11, 12, and 13. These are new relief requests that reflect the addition of new relief valves and the use of OM-1 vs. PTC 25.3-1976.	New Code requirements.

CHANGE #	AFFECTED COMPONENTS	DESCRIPTION OF CHANGE	BASIS FOR CHANGE
10	CS-1196, CS-1198	Added valves.	Newly identified requirement, however, documentation of existing testing performed satisfies program requirements.
11	CV-2800, CV-2802 CV-1000	Change valve from passive to active (open direction and added stroke test to "required tests" column (open direction). Note these valves were being and will continue to be stroke timed in the open and closed directions.	Correction.
12	CV-2869, CV-2870, CV-3641, CV-3645, CV-4400, CV-4446, CV-4803, CV-4804, CV-5611, CV-5612, CV-1414, CV-1415, CV-1667, CV-1814, CV-1816	Deleted stroke test requirement from "tests performed" column. Note: also deleted fail safe test requirement from "tests performed" column for CV-4400, CV-4804, and CV-1667.	OMa-1988, Part 10, does not require exercising or fail safe testing for passive valves.
13	FW-10A, FW-10B	Added a closed safety function for these valves.	Completeness, the existing testing already confirms valve closure.
14	SW-11, SW-13	Changed FRP and DI in the "tests performed" column to FR.	Valves are full flow tested during outages thus disassembly is not required.
15	CS-293, CS-294	Changed DI to FR(NIT) in the "tests performed" column.	The ability of these valves to open is confirmed once per refueling cycle by non-intrusive techniques, thus disassembly is not required. Reference Relief Request 4
16	SV-2613	Deleted fail safe test from "required tests" and "test performed" columns.	This valve fails closed. The safety function for this valve is open. This valve has no fail-safe position.
17	MS-271, MS-272	Added that non-intrusive testing (NIT) is used to confirm valve closure.	Completeness.
18	FW-7A, FW-7B	Deleted valves.	No safety function associated with valves.

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19	HV-139, HV-140, HV-150, HV-151	Changed valve type to gate.	Correction.
20	CV-6601A, CV-2619, CV-2676, SV-3812, SV-3813, CV-2415, CV-2417, CV-2419, CV-2420	Added valves.	New Code requirement. OMa-1988, Part 10, requires that Category B passive valves have their remote position indication verified.
21	SG-5, SG-6, SG-7	Added closed safety function.	Newly identified safety function, however, these valves were already functionally tested in this direction w/exception of stroke timing.
22	CV-3812, CV-3813	Added stroke time requirement to "required tests" column. Changed valves from passive to active. Changed normal position from open to closed.	Plan. change. Note: These valves were being stroke timed in open direction.
23	CV-3814, CV-3815	Changed actuator type from air operated to motor. Deleted fail safe test.	Plant change.
24	FO-10A, FO-10B	Added valves.	Newly identified safety function to exercise these non-code valves based on EDG support system function.
25	CV-5218, CV-5233, CV-5237, CV-5239, SV-5218, SV-5233, SV-5237, SV-5239	Added closed safety function and fail safe test (closed direction).	Newly identified safety function, however, documentation of existing testing performed satisfies program requirements.
26	FO-163, FO-164, FO-165, FO-166	Added valves.	Newly identified safety function, however, documentation of existing testing performed satisfies program requirements.
27	SW-604A, SW-604B	Added valves.	Newly identified safety function, however, documentation of existing testing performed satisfies program requirements.

CHANGE #	AFFECTED COMPONENTS	DESCRIPTION OF CHANGE	BASIS FOR CHANGE
28	CF-1A, CF-1B, DH-13A, DH-13B, DH-14A, DH-14B, DH-17, DH-18	Added requirement to verify closure for these check valves.	In the Second Ten Year IST Program, these check valves were identified as having an active open safety function and a passive closed safety function. Per new NRC guidance a valve is either active or passive hence the valves were reclassified as active in both directions.
29	Reactor Vessel Internal Vent Valves - 8 valves	Added closed safety function. Also listed the valve number for the individual valves.	Newly identified safety function, however, documentation of existing testing performed satisfies program requirements.
30	PSV-1000	Added fail safe test (closed direction) to "required tests" and "tests performed" columns.	Completeness. Fail safe capability is demonstrated by valve closure.
31	SV-1077, SV-1079, SV-1071, SV-1072, SV-1073, SV-1074, SV-1081, SV-1082, SV-1083, SV-1084, SV-1091, SV-1092, SV-1093, SV-1094	Changed closed safety function of the valve from passive to active and added stroke test and fail safe test requirement to "required tests" column.	Per current NRC guidance a valve cannot be passive in one direction and active in the other direction. Note these valves were being and will continue to be stroke exercised in both the open and closed directions and fail safe tested.
32	CV-1052, CV-1053, CV-1054, CV-1065	Changed normal position from open/closed to closed. Reclassified valves as passive. Deleted stroke test and fail safe test. Note: CV-1052 and CV-1065 had fail safe tests.	Changed valve from active to passive.
33	BW-2, BW-3 BW-4A, BW-4B	Added closed safety function.	Newly identified safety function. Reference Inspection Report 50-313/97-13; 50-308/97-13
34	CA-61, CA-62	Added closed safety function.	Newly identified safety function, however, documentation of existing testing performed satisfies program requirements.

CHANGE #	AFFECTED COMPONENTS	DESCRIPTION OF CHANGE	BASIS FOR CHANGE
35	CV-1276, CV-1277	Added closed safety function.	Newly identified safety function, however, these valves were already functionally tested in this direction w/exception of stroke timing.
36	CV-1300, CV-1301, MU-22A, MU-22B, MU-22C	Deleted open safety function.	No open safety function.
37	CZ-46	Added valve.	Changed valve from passive to active.
38	PSV-5215, PSV-5216, PSV-5231, PSV-5232, PSV-5237, PSV-5238, PSV-5240, PSV-5241, PSV-1241, PSV-1242, PSV-1243, PSV-1403, PSV-1404, PSV-1405, PSV-1406, PSV-1407, PSV-2415, PSV-2421	Added valves.	New Code requirement.
39	CV-1404, CV-1405, CV-1406	Added closed safety function. Changed CV-1404 exercise test to cold shutdowns from quarterly.	Newly identified safety function, however, these valves were already functionally tested in this direction w/exception of stroke timing. CV-1404 exercise test moved to cold shutdowns due to hot short concerns.
40	CV-1428, CV-1429	Reclassified valves as active and added exercise test to "required tests" column.	Reclassified valves from passive to active. Note these valves have been and will continue to be exercised in the open direction.

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41	CV-1432, CV-1433	Added open safety function, reclassified valves as active, and added open exercise requirement.	Newly identified safety function-despite HSD licensing basis, ANO-1 has determined the decay heat removal operation important enough to warrant testing. Valves already functionally tested in this direction w/exception of stroke timing.
42	CV-1434, CV-1435	Changed closed safety function from passive to active.	Per new NRC guidance a valve cannot be passive in one direction and active in another direction. Note these valves have been and will continue to be stroke exercised in both the open and closed directions.
43	N2-47	Added valve.	Valve added to Appendix J program.
44	IA-775, IA-767, IA-771	Added valves.	Documentation of safety function.
45	SF-43, SF-44	Deleted valves.	Valves deleted from Appendix J program.
47	CV-1845	Changed normal valve position from open/closed to just closed. Reclassified valve as passive and deleted stroke test and fail safe test requirements.	Changed valve from active to passive
48	CV-7470, CV-7471, CV-7472, CV-7473	Deleted dampers.	These dampers were deleted since dampers are outside the scope of OMa-1988, Part 10.
49	CV-7443, CV-7447	Deleted valves.	Plant change. Valves removed from plant.
50	CV-7445, CV-7449	Deleted remote position indication test requirement.	Plant change. Valve is de-energized.
51	SV-7510, SV-7512	Changed valve from passive to active and added stroke time and fail safe requirements.	Changed valve from passive to active. Note: valves have been and will continue to be stroke time and fail safe tested.

CHANGE #	AFFECTED COMPONENTS	DESCRIPTION OF CHANGE	BASIS FOR CHANGE
52	SV-7457, SV-7459, SV-7467, SV-7469	Changed closed safety function from passive to active.	Per new NRC guidance a valve cannot be passive in one direction and active in another direction. Note these valves have been and will continue to be stroke exercised in both the open and closed directions.