

INSERVICE TESTING PROGRAM FOR
PUMPS AND VALVES

DUKE POWER COMPANY
CATAWBA NUCLEAR STATION
UNIT 1

Docket No. 50-413

Revision 10

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PDR ADOCK 05000413
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DUKE POWER COMPANY
CATAWBA NUCLEAR STATION
IST PROGRAM
REVISION 10

CATAWBA NUCLEAR STATION
PUMP AND VALVE INSERVICE TESTING PROGRAM
REVISION 10

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RELIEF REQUEST #J10

VALVE: 1NV252B, 1NV253A

CATEGORY: B

CLASS: 2

FUNCTION: Aligns refueling water storage tank (FWST) to the suction of the centrifugal charging pumps upon receipt of a safety injection signal.

TEST REQUIREMENT(S): Exercise valve (full stroke) to the position required to fulfill its function and stroke time every 3 months.

BASIS FOR RELIEF: If one of these valves were to fail in the open position during testing, the FWST would be aligned to the suction of the charging pumps. This would result in an increase in RCS Boron inventory and could result in a plant shutdown.

ALTERNATE TESTING: Valve will be exercised (full stroke) to the position required to fulfill its function and stroke timed during cold shutdown.

DATA SORTED BY VALVE NAME

DUKE POWER COMPANY
CATAMBA NUCLEAR STATION
VALVE INSERVICE TESTING COMMITMENTS

VALVE NAME	ASME CLASS	CATEGORY	PASSIVE	SIZE	VALVE TYPE	ACT	NORM POS.	TEST REQ.	RELF REQS	TEST ALTER	FLOW DIAGRAM	COORDINATES	VALVE TIME	ESF	RESP. PARTY
INV 89A	2	B		4.0	GA	EL	Ø	MT	J02	CS	CN-1554-10	B-10	10	T	PRF
INV 89A	2	B		4.0	GA	EL	Ø	RP			CN-1554-10	B-10		T	PRF
INV 89A	2	B		4.0	GA	EL	Ø	Q	J02	CS	CN-1554-10	B-10		T	PRF
INV 90	2	AC	X	.75	RL/CK	SA	-	LT			CN-1554-10	D-10		T	PRF 1
INV 91B	2	B		4.0	GA	EL	Ø	MT	J02	CS	CN-1554-10	B-12	10	T	PRF
INV 91B	2	B		4.0	GA	EL	Ø	RP			CN-1554-10	B-12		T	PRF
INV 91B	2	B		4.0	GA	EL	Ø	Q	J02	CS	CN-1554-10	B-12		T	PRF
INV188A	2	B		4.0	GA	EL	Ø	RP			CN-1554-11	C-05		S	PRF
INV188A	2	B		4.0	GA	EL	Ø	MT	J03	CS	CN-1554-11	C-05	15	S	PRF 2
INV188A	2	B		4.0	GA	EL	Ø	Q	J03	CS	CN-1554-11	C-05		S	PRF
INV189B	2	B		4.0	GA	EL	Ø	Q	J03	CS	CN-1554-11	C-04		S	PRF
INV189B	2	B		4.0	GA	EL	Ø	RP			CN-1554-11	C-04		S	PRF
INV189B	2	B		4.0	GA	EL	Ø	MT	J03	CS	CN-1554-11	C-04	15	S	PRF 2
INV202B	2	B		2.0	GL	EL	Ø	RP			CN-1554-16	D-01			PRF
INV202B	2	B		2.0	GL	EL	Ø	Q	J07	CS	CN-1554-16	D-01			PRF
INV202B	2	B		2.0	GL	EL	Ø	MT	J07	CS	CN-1554-16	D-01	10		PRF
INV203A	2	B		2.0	GL	EL	Ø	MT	J07	CS	CN-1554-16	D-01	10		PRF
INV203A	2	B		2.0	GL	EL	Ø	RP			CN-1554-16	D-01			PRF
INV203A	2	B		2.0	GL	EL	Ø	Q	J07	CS	CN-1554-16	D-01			PRF
INV206	2	B	X	4.0	PL	AD	Ø	RP			CN-1554-16	C-03			PRF
INV218	2	B	X	4.0	PL	AD	Ø	RP			CN-1554-16	C-06			PRF
INV220	2	C		3.0	CK	SA	-	CV			CN-1554-11	G-04			PRF
INV252A	2	B		8.0	GA	EL	C	MT			CN-1554-17	K-11	10	S	PRF
INV252A	2	B		8.0	GA	EL	C	RP			CN-1554-17	K-11		S	PRF
INV252A	2	B		8.0	GA	EL	C	Q	J10	CS	CN-1554-17	K-11		S	PRF 10
INV253B	2	B		8.0	GA	EL	C	Q	J10	CS	CN-1554-17	K-12		S	PRF

INTRODUCTION

The Inservice Testing Program for Pumps and Valves provides a comprehensive testing plan as required by 10CFR50.55 a(g). This program is based on The ASME Boiler and Pressure Vessel Code, Section XI, Subsections IWP and IWV. The 1980 Edition and Addenda through the Winter 1981 Addenda were used in developing this program. This test program will be applicable for the initial 120 month interval beginning upon issuance of the operating license, after which the program will be reviewed and updated to that edition and addenda of the Code in effect not more than twelve months prior to the beginning of the next 120 month interval. 1 14

Pump and valve testing requirements are presented in Parts I and II of this submittal. Each part provides summary, program format, data sheet and relief request sections.