

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8103030784 DOC. DATE: 81/02/27 NOTARIZED: NO DOCKET #
 FACIL: 50-244 Robert Emmet Ginna Nuclear Plant, Unit 1, Rochester G 05000244
 AUTH. NAME: AUTHOR AFFILIATION
 MAIER, J. E. Rochester Gas & Electric Corp.
 RECIP. NAME: RECIPIENT AFFILIATION
 CRUTCHFIELD, D. Operating Reactors Branch 5

SUBJECT: Forwards listing of piping sys inside containment per NRC
 810221 request. Listing contains each analysis line for ASME
 Class 2 & 3 sys which are part of seismic upgrade program.
 Revision 1 of upgrade criteria document submitted 801104.

DISTRIBUTION CODE: A0355 COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 6
 TITLE: SEP Topics

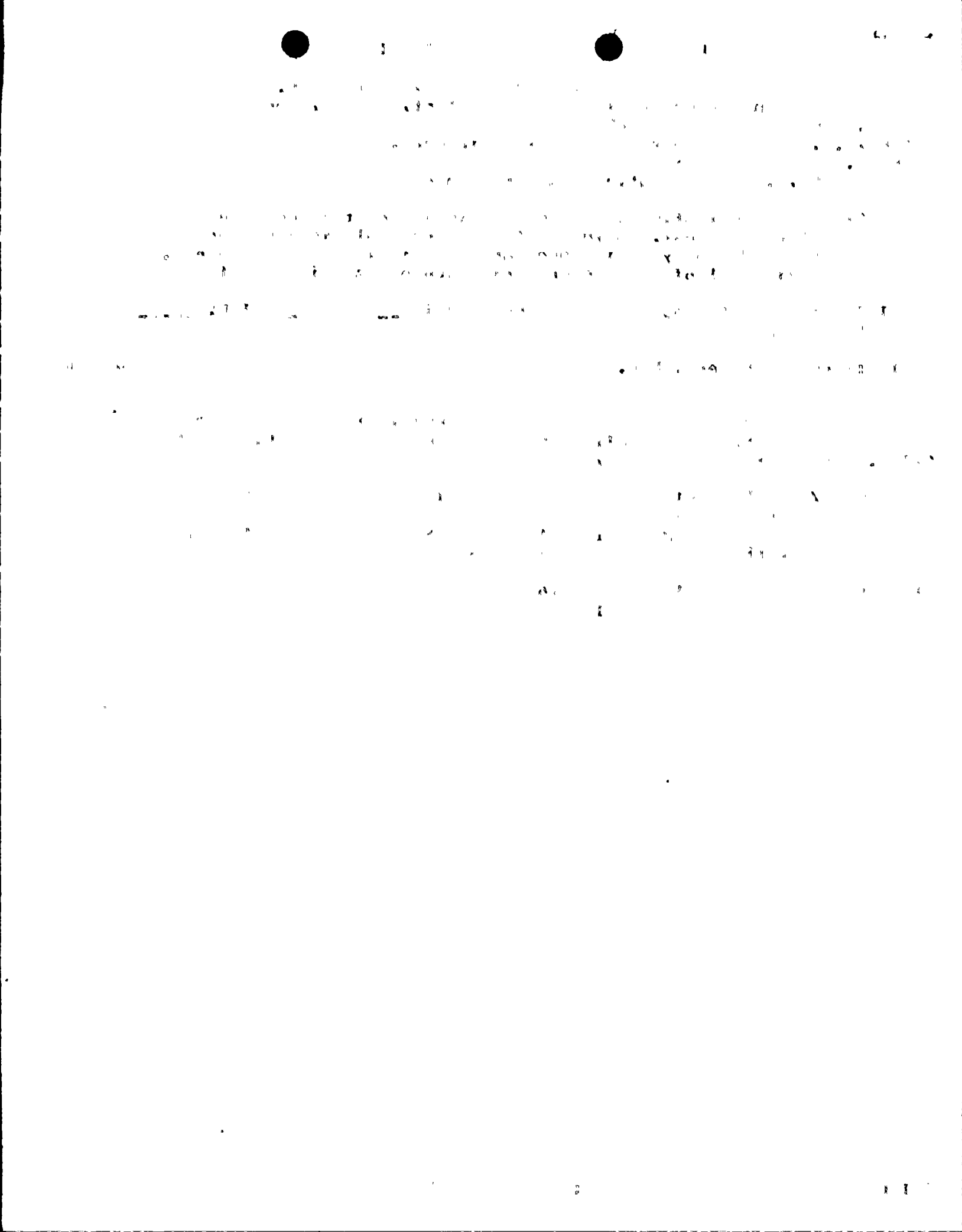
NOTES: 1 copy: SEP Sect. Ldr. 05000244

ACTION:	RECIPIENT ID CODE/NAME		COPIES		RECIPIENT ID CODE/NAME		COPIES	
			LTTR	ENCL			LTTR	ENCL
	CRUTCHFIELD	04	7	7				
INTERNAL:	A/D MATL&QUAL	13	1	1	CONT SYS A	07	1	1
	HYD/GEO BR	10	2	2	I&E	06	2	2
	NRC PDR	02	1	1	OR ASSESS BR	11	1	1
	REG FILE	01	1	1	SEP BR	12	3	3
EXTERNAL:	ACRS	14	16	16	LPDR	03	1	1
	NSIC	05	1	1				

MAR 04 1981

TOTAL NUMBER OF COPIES REQUIRED: LTTR 38 ENCL 38

LB

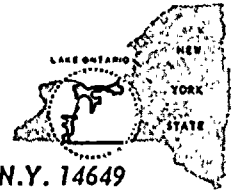




ROCHESTER GAS AND ELECTRIC CORPORATION • 89 EAST AVENUE, ROCHESTER, N.Y. 14649

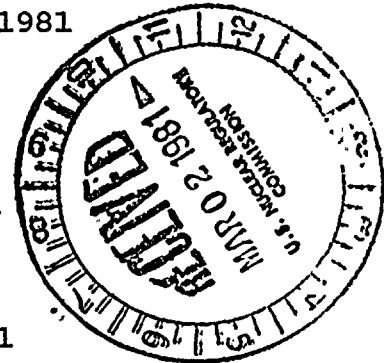
JOHN E. MAIER
VICE PRESIDENT

TELEPHONE
AREA CODE 716 546-2700



February 27, 1981

Mr. Dennis M. Crutchfield, Chief
Operating Reactors Branch No. 5
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555



Subject: USNRC Letter dated February 21, 1981
SEP Seismic Piping Review
R. E. Ginna Nuclear Power Plant, Unit No. 1
Docket No. 50-244

Dear Mr. Crutchfield:

Attached is a listing of piping systems inside containment as requested by your letter dated February 21, 1981. The listing contains each analysis line for ASME Class 2 and 3 piping systems inside containment which are part of our seismic upgrade program. The system name, identification number, line size, analysis boundaries, and completion date are shown for each line. Those lines 4 inch nominal pipe size and smaller containing motor-operated valves are indicated by an asterisk.

The piping information for the two systems selected for your independent review will be available for submittal on the indicated completion dates. In order not to impact the schedule for our seismic upgrade program, the lines selected should have completion dates consistent with your required response date. For those two lines, we will provide the input information necessary for you to perform independent review; and summary of the results of our seismic upgrade program analyses. The information provided will be consistent with our Piping Seismic Upgrading Program Criteria Document. Revision 1 of this document was transmitted to you by our letter dated November 4, 1980.

Very truly yours,

John E. Maier
John E. Maier

A035
S
1/1

JEM/JCH/bdk
Enclosure

P

8103030 784



Ginna Station
Piping Analysis Index
ASME Class 2/3 Systems
Inside Containment

<u>System</u>	<u>Analysis Identification</u>	<u>Line Size</u>	<u>Description</u>	<u>Date of Completion</u>
Main Feedwater	FW-100	14"	Penetration 403 to steam generator 1A	3/13/81
	FW-200	14"	Penetration 404 to steam generator 1B	3/24/81
Main Steam	MS-100	30"	Main steam from steam generator 1A to penetration 401	3/24/81
	MS-200	30"	Main steam from steam generator 1B penetration 402	3/13/81
Residual Heat Removal	RHR-100 #	10",6",4"	From penetration 111 to the reactor vessel and intermediate anchor at the interior wall	3/24/81
	RHR-2500 #	10"	From penetration 140 to hot leg loop A	3/24/81
Steam Generator Blowdown	SGB-100	2"	From penetration 321 to steam generator 1A	3/19/81
	SGB-200	2"	From penetration 322 to steam generator 1B	3/26/81
Safety Injection	SIS-100 #	10"	10" from accumulator No. B to Reactor Coolant Loop cold leg loop A	3/27/81
	SIS-101	3",2"	2" drain line from SIS-100 to anchor (Fl El 235.67')	3/27/81
	SIS-110*	4",2"	4" from penetration 101 to SIS-100 including the 2" branch to inline anchor at el 237.917"	3/27/81
	SIS-111* #	2"	2" line from inline anchor @ el 237.917" to Reactor Coolant Loop "A" hot leg	3/27/81
	SIS-200 #	10"	From accumulator No. A to Loop B cold leg including 2" drain line anchored in floor	4/3/81

<u>System</u>	<u>Analysis Identification</u>	<u>Line Size</u>	<u>Description</u>	<u>Date of Completion</u>
Service Water	SIS-210* #	4",2"	From SIS-200 to hot leg loop B and penetration 113	4/3/81
	SW-100	8",4", 3",2"	From penetration 315 to containment containment ventilation cooling coil C	4/16/81
	SW-150	8",6",4", 3",2"	From penetration 311 to containment ventilation cooling coil 1B and fan motor and to fan motor for coil 1A, 8" line to coil 1A and intermediate anchor at N-753	4/16/81
	SW-200	8",6",4"	From penetration 308 to Containment Ventilation Cooling Coils 1A	4/16/81
	SW-300	4",2"	From penetration 323 to Containment Ventilation Cooling Coils 1D and fan motor and to reactor cavity cooler and penetration 201	4/16/81
	SW-400	2"	From penetration 209 to Reactor Compartment Coolers C-381-358-28	4/16/81
	SW-450	2"	From penetration 209 to Reactor Compartment Coolers C-381-358-29	4/16/81
	SW-500	8",6", 4",3"	From penetration 319 to Containment Ventilation Cooling Coils 1A and fan motor	4/16/81
	SW-600	8",6", 4",3"	From penetration 316 to Containment Ventilation Cooling Coils 1B and fan motor	4/16/81
	SW-700	8",6", 4",3"	From penetration 312 to Containment Ventilation Cooling Coils 10 and fan motor	4/16/81
	SW-800	2"	From penetration 201 to Reactor Compartment Coolers (C-381-368-31)	4/16/81
	SW-900	8",4",3"	From penetration 320 to Containment Ventilation Cooling Coils 1C and fan motor	4/16/81

<u>System</u>	<u>Analysis Identification</u>	<u>Line Size</u>	<u>Description</u>	<u>Date of Completion</u>
Component Cooling	CC-400	4"	From penetration 126 to Reactor Coolant Pump motor oil cooler	4/21/81
	CC-450	4"	From penetration 128 to Reactor Coolant Pump motor oil cooler	4/21/81
	CC-500	6"	From penetration 131 to intermediate anchor (to 525)	3/31/81
	CC-525	6", 4"	From intermediate anchor to reactor support cooling spray headers (continuation of 500)	4/21/81
	CC-575	6"	From penetration 130 to intermediate anchor (continued on 550)	3/31/81
	CC-550	6", 4"	From intermediate anchor to reactor support cooling sprays (continuation of 575)	4/21/81
	CC-600	4"	From intermediate anchor to Reactor Coolant Pump A motor	4/21/81
	CC-625	4"	From penetration 127 to intermediate anchor	3/31/81
	CC-700	4"	From intermediate anchor to Reactor Coolant Pump A motor	4/21/81
	CC-725	4"	From penetration 126 to intermediate anchor	3/31/81
Containment Spray	CS-100	6"	From penetration 105 to intermediate anchor	3/21/82
	CS-200	6"	From penetration 109 to intermediate anchor	3/21/82
	CS-300	6"	Containment spray ring from CS-100 intermediate anchor	3/21/82
	CS-400	6"	Containment spray ring from CS-200 intermediate anchor	3/21/82
Chemical & Volume Control	CVC-100	2"	From penetration 112 to regenerative heat exchanger and pressurizer relief tank inlet header	3/21/82

<u>System</u>	<u>Analysis Identification</u>	<u>Line Size</u>	<u>Description</u>	<u>Date of Completion</u>
	CVC-200	3",2"	From penetration 108 to intermediate anchors at N1109 (el. 270.250') (C-381-357-33 E-4) and at el. 247.792 (C-381-357-30, D-4)	3/21/82
	CVC-205 #	2"	From intermediate anchor at N1109 (el. 270.250 C-381-357-33 E-4 on CVCS-200) to Reactor Coolant Pump 1B	3/21/82
	CVC-210	2"	From intermediate anchor at 249.417 (C-318-357-30, D-4) to intermediate anchor at 253.250 (C-381-357-29, E-10), connected to 200 and 225	3/21/82
	CVC-225	2"	Continuation of CVCS-200 from intermediate anchor at 253.542 to intermediate anchor at 241.417	3/21/82
	CVC-250 #	2"	From intermediate anchor at 241.417 (C-381-357-29, G-3) to Reactor Coolant Pump 1A	3/21/82
	CVC-300	2"	From penetration 100 to Regenerative Heat Exchanger	3/21/82
	CVC-400 #	2"	Penetration 102 to cold leg loop A Isometric C-381-357-24, 25	3/21/82
	CVC-500 #	2"	Penetration 110 to Reactor Coolant Pump B Isometric C-381-357-31, 32	3/21/82
	CVC-600	2"	From penetration 106 to intermediate anchor	3/21/82
	CVC-625 #	2"	From intermediate anchor to Reactor Coolant Pump 1A	3/21/82
	CVC-700	2"	From Regenerative Heat Exchanger to CVC-701 and 725 @ intermediate anchors	3/21/82
	CVC-701 #	2"	From intermediate anchor (ele. 237.667 C-381-357-19, F-7) to Loop B hot leg	3/21/81
	CVC-725 #	2"	From intermediate anchor (ele. 237.667 C-381-357-20, F-6) to Loop B cold leg	3/21/82

<u>System</u>	<u>Analysis Identification</u>	<u>Line Size</u>	<u>Description</u>	<u>Date of Completion</u>
	CVC-730 #	2"	From Regenerative heat exchanger to Loop B crossover leg	3/21/82

- * - Lines 4 inch nominal pipe size and smaller containing motor-operated valves.
- # - Lines in which portions are class 1.