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SUBJECT: Forwards response to IE Bulletin 87-001, "Thinning of Pipe Walls in Nuclear Power Plants."

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September 14, 1987

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D. C. 20555

Subject: Catawba Nuclear Station
Docket Nos. 50-413 and 50-414
McGuire Nuclear Station
Docket Nos. 50-369 and 50-370
Oconee Nuclear Station
Docket Nos. 50-269, -270, -287
IE Bulletin 87-01, Thinning of
Pipe Walls in Nuclear Power Plants

Dear Sir:

Attached is Duke Power Company's response to the subject NRC Bulletin.

I declare under penalty of perjury that the statements set forth herein are true and correct to the best of my knowledge.

Very truly yours,

Hal B. Tucker

LTP/95

Attachment/Enclosure

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Group File: OS-815.02

ATTACHMENT

NRC BULLETIN 87-01 - RESPONSE

Responses are given in order requested in Bulletin. Requests are stated and then answer given.

1. Identify the codes or standards to which the piping was designed and fabricated.

   The codes governing design and fabrication are:

   Oconee
   - Design
     - Safety Related: USAS B31.7 2/68 ed. and 6/68 Errata
     - Non-Safety Related: USAS B31.1 7/67 ed.
   - Fabrication
     - Safety Related: USAS B31.7 8/69 ed.
     - Non-Safety Related: USAS B31.1 7/67 ed.

   McGuire
   - Design
     - Safety Related: ASME Section III 1971 ed. Winter 1971 Addendum
     - Non-Safety Related: ANSI B31.1 1973 ed. Addenda A, B & C
   - Fabrication
     - Safety Related: ANSI B31.7 1969 ed.
     - Non-Safety Related: ANSI B31.1.0 1967 ed. and 1969 Addendum

   Catawba
   - Design
     - Safety Related: ASME Section III 1974 ed.
     - Non-Safety Related: ANSI B31.1 7/74 ed.
   - Fabrication
     - Safety Related: ASME Section III 1974 ed.
     - Non-Safety Related: ANSI B31.1 7/74 ed.

2. Describe the scope and extent of your programs for ensuring that pipe wall thicknesses are not reduced below the minimum allowable thickness.

   Duke Power Company's erosion inspection program is coordinated by a multi-department committee which was established in 1983 after the Oconee 2 C-Bleed elbow rupture. Design Engineering Department analyzes systems and recommends test locations to the Nuclear Production Department. System analyzed are those identified as containing two-phase mixtures of steam and water, most frequently the turbine extraction and exhaust systems and heater drain systems. The Keller Model is used for analyses and combines temperatures effects, steam velocity, moisture fraction and pipe configuration factors to determine erosion potential in pipelines. Detailed reviews of the piping layouts are then performed with further emphasis on configuration induced erosion. Test locations are prioritized and inspected until baseline thicknesses and erosion rates are established.

Prior to the Surry 2 incident, liquid-phase systems were not included in inspection programs since flashing water flow was not present. However, our responses to the incident involved immediate inspections of feedwater and condensate systems near feedwater pumps, feedwater heater outlets, and sections of the feedwater bypass line. No test locations were found to be below minimum wall.

Ultrasonic testing has been used exclusively for thickness measurements. Inspection frequency and corrective action decisions have been made using the following criteria:

x = Actual thickness measurement
t_m = Code allowable minimum wall

a. $x \leq t_m$ - Replace/repair prior to system start-up unless detailed analysis allows further operation.

b. $t_m < x < 1.20\ t_m$ - Determine an erosion rate and if margin exists for another cycle, inspect at some future outage based on rate and operational history.

c. $1.20\ t_m < x$ - Consider inspection at some future outage.

3. For liquid-phase systems, state specifically whether the following factors have been considered in establishing your criteria for selecting points at which to monitor piping thickness.

Duke has taken a conservative approach in selecting test locations by testing a large number of fittings in a system. We have implemented testing for fittings where configuration, material, operating temperature and bulk fluid velocity combine to indicate an erosion tendency. Our bias toward a large test group allows some less obvious erosion locations to be detected. We have chosen not to emphasize a more selective analysis method until such a method is proven.

Following is a discussion of items which influence pipe wall thinning:

A. Piping Material

Efforts for liquid-phase systems distinguish only between ferritic steel and stainless steel. Stainless steel fittings are given a lower priority for testing. The presence of erosion resisting alloys in some ferretic steel is not presently considered. All ferretic steels including carbon steel are given equal consideration as erosion test locations.

B. Piping Configuration

Piping configuration is the emphasis of our final step in selecting test locations. Erosion of pipe wall material typically occurs first where there are changes in flow direction or reduction in flow area. Chances of erosion are more pronounced in areas where several fittings are directly connected. Duke Power Company practice has been to perform indepth configuration reviews of piping systems considering the following:

1) Fittings that are erosion prone:

- flow splitting tees
- miter bends
- short and long radius 90° elbows
- special fittings such as wye blocks
- reducers

2) Piping configurations where several fittings are connected together can be erosion prone:

- back-to-back 90° elbows
- flow splitting tees with reducers
- pipe and pipe fittings around control valves
- 90° elbows on the discharge side of a valve
- 90° elbows and straight pipe on the suction and discharge of a pump

C. pH of Water

Duke plants have always placed a high priority on maintaining pH within tight requirements. Our plants have pH tech spec ranges allowing 8.8 to 9.4 operation. The actual mean pH has been 9.1 to 9.4. Excursions in pH have been of short duration. Our analysis, to date, does not include any influence from water chemistry.

D. System Temperature

A system operation temperature between 195 and $440^{o}F$ leads to consideration of erosion potential.

E. Fluid Bulk Velocity

A system fluid bulk velocity greater than 10 feet per second leads to consideration of erosion potential.

F. Oxygen Content

Our plants have been operating with actual mean oxygen concentrations between 1 and 8 ppb. Our analysis, to date, does not include any influence from oxygen content.

4. Chronologically list and summarize the results of all inspections that have been performed, which were specifically conducted for the purpose of identifying pipe wall thinning, whether or not pipe wall thinning was discovered, and any other inspections where pipe wall thinning was discovered even though that was not the purpose of that inspection.

The Pipe Erosion Control Program for Duke Power Nuclear Stations is an inspection and failure analysis program developed to ensure the integrity of piping susceptible to erosion. This program includes but is not limited to the following piping systems:

1. Main Steam
2. High Pressure Extraction Piping
3. Low Pressure Extraction Piping
4. Moisture Separator Reheater Drains
5. Heater Vents and Drains
6. Feedwater/Condensate Piping

Inspections are performed on the above systems by specific station procedures which provide a method for consistent surface preparation, grid layout, grid size selection, and grid orientation. As a general rule, ultrasonic inspections are performed with a Kraut-Krammer Bransen USK-6, USK-7 or equivalent.

Enclosed is a copy of the summarized data from each of Duke's three Nuclear Stations which has been collected from 1984 to the present. Oconee Nuclear Station started its inspection program in 1976 but only the current data is reported. Additional data is available through the work request and master file system.

Piping found to have significant wall thinning has generally been replaced with a material more resistant to erosion. Stainless steel is used when available. Patches or caps are used on a temporary basis until an outage of sufficient duration to make the necessary repairs.

5. Describe any plans either for revising the present or for developing new or additional programs for monitoring pipe wall thickness.

Duke Power's Pipe Erosion Control Program is a dynamic program which is expanding to incorporate new industry findings. We are using the EPRI "CHEC" Computer Program for Erosion-Corrosion which is endorsed by Numarc to evaluate and possibly enhance our existing single-phase program. We are investigating the use of state of the art ultrasonic data collection and management systems to decrease the manpower for data collection and improve the record keeping and reporting processes.

ENCLOSURE

OCONEE NUCLEAR STATION

System BLEED

t 1

		EOC - 8			EOC			EOC			EOC		
		Date OCTOBER 1984			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1AB1	.240	.350											
1AB2	.240	.360											
1AB3	.240			EOC-10									

OCONEE NUCLEAR STATION

System BLEED

1

		EOC - 8			EOC			EOC			EOC		
		Date OCTOBER 1984			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
15	.130	.180	REPLACED	(1BB1) EOC 11									
16	.130	.290	REPLACED	(1BB3) EOC 11									
17	.130	.270		(1BB5) EOC 10									
1BB1	.130			EOC 11									
1BB2	.130			EOC 11									
1BB3	.130			EOC 11									
1BB4	.130			EOC 10									
1BB5	.130			EOC 10									

OCONEE NUCLEAR STATION

System CB BLEED

1

		EOC - 8			EOC - 9			EOC - 10			EOC		
		Date OCTOBER, 1984			Date FEBRUARY, 1986			Date SEPTEMBER, 1987			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1CB-1	.179	.220	REPLACED	EOC-9	.370								
1CB-2	.179	.270	REPLACED	EOC-9	.380								
1CB-3	.179	.310	REPLACED	EOC-9	.340								
1CB-4	.179	.290	REPLACED	EOC-9	.390								
1CB-5	.179				.300								
1CB-6	.224	.400		EOC-9	.420								
1CB-7	.224	.280		EOC-9	.225	REPLACED S.S.							
1CB-8	.179	.230		EOC-9	.190	REPLACED S.S.							
1CB-9	.179	.270	REPLACED	EOC-9	.590								
1CB-10	.179	.580		EOC-10									
1CB-11	.248				.290		EOC-10						
1CB-12	.224				.360								
1CB-13	.224				.350								
1CB-14							EOC-10						

OCONEE NUCLEAR STATION

System [illegible]USBATE

		EOC - 9			EOC - 10			EOC			EOC		
		Date February, 1987			Date September, 1987			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1C-1													
1C-2	.523	.710											
1C-3													
1C-4													
1C-5													
1C-6	.523	.750											

OCONEE NUCLEAR STATION

System [redacted]DWATER [redacted] [redacted]t 1

		EOC - 9			EOC - 10			EOC			EOC		
		Date February, 1987			Date September, 1987			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1FDW-1	.436	.500											
1FDW-2													
1FDW-3	.658	1.050											
1FDW-4													
1FDW-5													
1FDW-6													
1FDW-7				EOC-10									
1FDW-8				EOC-10									
1FDW-9	.9865	1.270											
1FDW-10	.9865	1.140											

OCONEE NUCLEAR STATION

System [illegible]ter Drain

[illegible]t 1

		EOC - 8			EOC - 9			EOC - 10			EOC		
		Date October, 1984			Date - February, 1986			Date - September, 1987			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HD-1	.040				.280								
1HD-2	.040				.200								
1HD-3	.060				.310								
1HD-4	.040				.200								
1HD-5													
1HD-6													
1HD-7	.040				.290								
1HD-8	.075				.270								
1HD-9													
1HD-10													
1HD-11													
1HD-12													
1HD-13													
1HD-14	.180		Stainless Steel		.380								
1HD-15	.325		Stainless Steel		.375								
1HD-16	.110				.362								
1HD-17	.050		Stainless Steel		.380								
1HD-18	.025				.362								
1HD-19	.025				.500								

OCONEE NUCLEAR STATION

System [redacted] Drain

1

		EOC - 8			EOC - 9			EOC - 10			EOC		
		Date - October, 1984			Date - February, 1986			Date - September, 1987			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HD-20	.140		Stainless Steel		.260								
1HD-21	.400				.420		EOC-10						
1HD-22	.355		Stainless Steel		.580								
1HD-23	.050				.325								
1HD-24	.050				.380								
1HD-25	.040				.315								
1HD-26	.040				.372								
1HD-27	.180				.315								
1HD-28													
1HD-29													
1HD-30													
1HD-31	.065		Stainless Steel		.330								
1HD-32	.065		Stainless Steel		.325								
1HD-33	.200				.310								
1HD-34	.200				.980								
1HD-35	.200				.190	Replaced							
1HD-36	.200				.135	Replaced							
1HD-37	.200				.230	Replaced							
1HD-38	.200				.265	Replaced							

OCONEE NUCLEAR STATION

System [illegible] Drain

1

		EOC - 8			EOC - 9			EOC - 10			EOC		
		Date October, 1984			Date- February, 1986			Date September, 1987			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HD-39	.120				.250								
1HD-40	.120				.270								
1HD-42	.119						EOC-10						
1HD-43	.119						EOC-10						
1HD-44	.119						EOC-10						
1HD-45	.119						EOC-10						
1HD-46	.119						EOC-10						
1HD-47	.119						EOC-10						

OCONEE NUCLEAR STATION

System Heater Drain

		EOC			EOC			EOC			EOC		
		Date September, 1986			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HD-101	.186	.380											
1HD-102	.186	.375											
1HD-103	.208	.300											
1HD-104	.186	.165	Removed										
1HD-105	.186	.345											
1HD-106	.208	.155	Removed										
1HD-107	.208	.410											
1HD-108	.208	.370											

System _____

OCONEE NUC[illegible] STATION

1

		EOC			EOC 10			EOC			EOC		
		Date			Date September 1987			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HD200	.006			EOC-12									
1HD 201	.006			EOC-12									
1HD202	.006			EOC-12									
1HD203	.006			EOC-12									
1HD-204	.023			EOC-12									
1HD-205	.165			EOC-11									
1HD-206	.165			EOC-11									
1HD-207	.165			EOC-11									
1HD-208	.165			EOC-11									
1HD-209	.165			EOC-11									
1HD-210	.165			EOC-11									
1HD-211	.165			EOC-11									
1HD-212	.165			EOC-11									
1HD-213	.165			EOC-11									
1HD-214	.059			EOC-12									
1HD-215	.059			EOC-12									
1HD-216	.027			EOC-12									
1HD-217	.027			EOC-12									
1HD-218	.027			EOC-12									

OCONEE NUCLEAR STATION

System _____ 1

		EOC			EOC 10			EOC			EOC		
		Date			Date September 1987			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HD-219	.007			EOC-12									
1HD-220	.007			EOC-12									
1HD-221	.369			EOC-10									
1HD-222	.369			EOC-10									
#1 1HD-223	.369												
1HD-224	.369			EOC-10									
#1 1HD-225	.369 x .261		Reducer										
1HD-226	.176 x .107		Reducer	EOC-11									
1HD-227	.107			EOC-11									
1HD-228	.176 x .107		Reducer	EOC-11									
1HD-229	.107			EOC-11									
1HD-230	.369			EOC-10									
1HD-231	.369			EOC-10									
1HD-232	.369			EOC-10									
#1 1HD-233	.369 x .261		Reducer										
1HD-234	.059			EOC-12									
1HD-235	.03 x .027			EOC-12									
1HD-236	.186 x .149		Reducer	EOC-10									
1HD-237	.186			EOC-10									

OCONEE NUCLEAR STATION

System _____ 1

		EOC			EOC 10			EOC			EOC		
		Date			Date September 1987			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HD-238	.186			EOC-10									
1HD-239	.186			EOC-10									
1HD-240	.144 x .06		Reducer	EOC-11									
1HD-241	.186 x .114		Reducer	EOC-10									
1HD-242	.187 x .09		Reducer	EOC-10									
1HD-243	.368 x .220		Reducer	EOC-10									
1HD-244	.220			EOC-10									
1HD-245	.0006			EOC-12									
1HD-246	.0006			EOC-12									
1HD-247	.392			EOC-10									
1HD-248	.392			EOC-10									
+1 1HD-249	.392 x .234		Reducer										
1HD-250	.392 x .234		Reducer	EOC-10									
1HD-251	.186 x .149		Reducing Elbow	EOC-11									
1HD-252	.135 x .092		REDUCING ELBOW	EOC-11									
1HD-253	.135 x .092		REDUCING ELBOW	EOC-11									
1HD-254	.02			EOC-12									
1HD-255	.02			EOC-12									
1HD-256	.05			EOC-12									

OCONEE NUCLEAR STATION

System _____ 1

		EOC			EOC 10			EOC			EOC		
		Date			Date September 1987			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HD-257	.05			EOC-12									
1HD-258	.263 x .177		REDUCER										
1HD-259	.177 x .109		REDUCER										
1HD-260	.096 x .04		REDUCER	EOC-12									
1HD-261	.096 x .04		REDUCER	EOC-12									
1HD-262	.263 x .177		REDUCER	EOC-10									
1HD-263	.177 x .109		REDUCER	EOC-11									
1HD-264	.186												
1HD-265	.096			EOC-12									
1HD-266	.096			EOC-12									
1HD-267	.006			EOC-12									
1HD-268	.09			EOC-12									
1HD-269	.006			EOC-12									
1HD-270	.090			EOC-12									
1HD-271	.136												
1HD-272	.136			EOC-11									
1HD-273	.096			EOC-12									
1HD-274	.096			EOC-12									
1HD-275	.096			EOC-12									

OCONEE NUCLEAR STATION

System _____

		EOC			EOC 10			EOC			EOC		
		Date			Date September 1987			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HD-276	.369			EOC-10									
1HD-277	.03			EOC-12									
#1 1HD-278	.164 x .092		Reducer										
1HD-279	.1075			EOC-11									
1HD-280	.1075			EOC-11									
1HD-281	.369			EOC-10									
1HD-282	.293 x .208		Reducer	EOC-10									
1HD-283	.208			EOC-10									
#1 1HD-284	.142 x .109		Reducer										
#1 1HD-285	.142 x .109		Reducer										
1HD-286	.375 x .280		Reducer	EOC-12									
1HD-287	.390 x .26		Reducer	EOC-10									
1HD-288	.26			EOC-10									
1HD-289	.027 x .02		Reducer	EOC-12									
1HD-290	.02			EOC-12									
1HD-291	.02 x .01			EOC-12									
#1 1HD-292	.177 x .074		Reducer										
1HD-293	.177 x .074		Reducer	EOC-11									
1HD-294	.26			EOC-10									

OCONEE NUCLEAR STATION

System HD

Unit 1

		EOC			EOC 10			EOC			EOC		
		Date			Date September 1987			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HD-295	.26			EOC-10									
1HD-296	.05			EOC-12									
1HD-297	.05 x .04		Reducer	EOC-12									
1HD-298	.05			EOC-12									
1HD-299	.05 x .04		Reducer	EOC-12									
1HD-300	.02 x .01		Reducer	EOC-12									
1HD-301	.02			EOC-12									
1HD-302	.02 x .01		Reducer	EOC-12									
1HD-303	.02			EOC-12									
1HD-304	.143 x .096		Reducer	EOC-11									
1HD-305	.143 x .096		Reducer	EOC-11									
1HD-306	.05 x .04		Reducer	EOC-12									
1HD-307	.05 x .04		Reducer	EOC-12									
1HD-308	.05			EOC-12									
1HD-309	.107 x .05		Reducer	EOC-12									
1HD-310	.05			EOC-12									
1HD-311	.107 x .05		Reducer	EOC-11									
1HD-312	.208			EOC-10									
1HD-313	.02			EOC-12									

OCONEE NUCLEAR STATION

System [illegible] Unit 1

		EOC			EOC 10			EOC			EOC		
		Date			Date September 1987			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HD-314	.02			EOC-12									
1HD-315	.12 x .07		Reducer	EOC-11									
1HD-316	.12 x .07		Reducer	EOC-11									
1HD-317	.315			EOC-10									
1HD-318	.315			EOC-10									
1HD-319	.315			EOC-10									
1HD-320	.315			EOC-10									
1HD-321	.315			EOC-10									
1HD-322	.186			EOC-11									
1HD-323	.186			EOC-11									
1HD-324	.186			EOC-11									
1HD-325	.186			EOC-11									
Not Used -> 1HD-326	.186												
1HD-327	.186			EOC-11									
1HD-328	.186			EOC-11									
#1 1HD-329	.186 x .149		Reducer										
1HD-330	.315			EOC-10									
1HD-331	.315			EOC-10									
1HD-332	.315			EOC-10									

OCONEE NUCLEAR STATION

System [illegible] Unit 1

		EOC			EOC 10			EOC			EOC		
		Date			Date September 1987			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HD-333	.315			EOC-10									
1HD-334	.186			EOC-11									
1HD-335	.186			EOC-11									
1HD-336	.315			EOC-10									
1HD-337	.186 x .149		Reducer	EOC-11									
1HD-338	.149			EOC-11									
1HD-339	.149			EOC-11									
1HD-340	.149			EOC-11									
1HD-340A	.149			EOC-11									
1HD-341	.149			EOC-11									
#1 1HD-342	.374 x .194		Reducer										
#1 1HD-343	.194 x .103		Reducer										
#1 1HD-344	.194 x .103		Reducer										
#1 1HD-345	.315 x .194		Reducer										
#1 1HD-346	.194 x .103		Reducer										
#1 1HD-347	.315 x .194		Reducer										
1HD-348	.315			EOC-10									
1HD-349	.315			EOC-10									
1HD-350	.326 x .208		Reducer	EOC-10									

OCONEE NUCLEAR STATION

System _____

		EOC			EOC 10			EOC			EOC		
		Date			Date September 1987			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HD-351	.194			EOC-10									
1HD-352	.194			EOC-12									
1HD-353	.05			EOC-12									
1HD-354	.05			EOC-12									
1HD-355	.114			EOC-11									
1HD-356	.149			EOC-11									
1HD-357	.149			EOC-11									
#1 1HD-358	.194												
1HD-359	.326 x .208		Reducer	EOC-10									
1HD-360	.208 x .108		Reducer	EOC-10									
1HD-361	.315			EOC-10									
1HD-362	.315			EOC-10									
1HD-363	.208 x .108		Reducer	EOC-10									
1HD-364	.194			EOC-10									
1HD-365	.315			EOC-10									
1HD-366	.315			EOC-10									
1HD-367	.208 x .108		Reducer	EOC-10									
1HD-368	.114			EOC-11									
1HD-369	.149			EOC-11									

OCONEE NUCLEAR STATION

System HD

Unit 1

		EOC			EOC 10			EOC			EOC		
		Date			Date September 1987			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HD-370	.149			EOC-11									
1HD-371	.04			EOC-12									
1HD-372	.05			EOC-12									
1HD-373	.05			EOC-12									

OCONEE NUCLEAR STATION

System HPE

Unit 1

		EOC 8			EOC 9			EOC 10			EOC		
		Date October 1984			Date February 1986			Date September			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HPE-11	.250	.340		EOC-9	SCHEDULED REPLACEMENT	Replaced	EOC-13						
1HPE-12	.250	.370		EOC-9	SCHEDULED REPLACEMENT	Replaced	EOC-13						
1HPE-13	.250	.420					EOC-11						
1HPE-14	.250	.400					EOC-11						

OCONEE NUCLEAR STATION

System [redacted]

[redacted] 1

		EOC 9			EOC 10			EOC			EOC		
		Date February 1986			Date September 1987			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HV-5	.075	.210		EOC-11									
1HV-6	.075	.165		EOC-10									
1HV-7	.075	SCHEDULED REPLACEMENT	Replaced	EOC-11									
1HV-8	.075	SCHEDULED REPLACEMENT	Replaced	EOC-11									

OCONEE NUCLEAR STATION

System _____ U 1

		EOC 9			EOC			EOC			EOC		
		Date February 1986			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1MS-1	N/A	1.269		EOC-13									
1MS-2	N/A	1.177		EOC-13									

OCONEE NUCLEAR STATION

System A-2nd

Unit 2

		EOC 7			EOC			EOC			EOC		
		Date February 85			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
2AB-1	.276	.324		EOC-9									
2AB-2	.276	.326		EOC-9									

OCONEE NUCLEAR STATION

System B[illegible]ed

Unit 2

		EOC 7			EOC			EOC			EOC		
		Date February 1985			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
2BB-1	.147	.140	Replaced 3/85	EOC-10									
2BB-3	.147	.163	Replaced	EOC-10									

OCONEE NUCLEAR STATION

System C[illegible]d

Unit 2

		EOC 7			EOC 8			EOC			EOC		
		Date February 1985			Date August 1986			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
2CB-1	.179	.254	3/85 Replaced										
2CB-2	.179	.208	3/85 Replaced										
2CB-3	.179	.283	Replaced	EOC-8	.380		EOC-						
2CB-4	.179	.345		EOC-8	.315		EOC-						
2CB-5	.179	.308		EOC-8	.355		EOC-						
2CB-6	.179	.282	REPLACED	EOC-8	.414		EOC-						
2CB-7	.179	.310		EOC-8	.306		EOC-						
2CB-8	.179	.288		EOC-8	.266		EOC-						
2CB-9	.179	.531		EOC-8	.550		EOC-						
2CB-10	.179	.584		EOC-8	.320		EOC-						
2CB-11	.248	.302		EOC-8	.295		EOC-						
2CB-12	.179			EOC-8	.333		EOC-						

OCONEE NUCLEAR STATION

System D[illegible]ed

Unit 2

		EOC 8			EOC			EOC			EOC		
		Date August 1986			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
2DB-1	.208	.383		EOC-									
2DB-2	.208	.379		EOC-									
2DB-3	.208	.372		EOC-									
2DB-4	.208	.374		EOC-									
2DB-5	.208	.358		EOC-									
2DB-6	.208	.376		EOC-									

OCONEE NUCLEAR STATION

System [redacted] 2

		EOC 7			EOC 8			EOC			EOC		
		Date February 1985			Date August 1986			Date			Date		
		Total Oper. Hrs. 66,174			Total Oper. Hrs. 77,010			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
2HD-1	.040	.248											
2HD-2	.040	.188	Replaced	EOC-8	.297								
2HD-3	.052	.288		EOC-8	.280								
2HD-4	.040	.208		EOC-8	.190	Replaced							
2HD-5	.077/.114	.200		EOC-9									
2HD-6	.245	.211	Replaced	EOC-8	.285		EOC-9						
2HD-7	.247	.310	Replaced	EOC-8	.320								
2HD-8	.245	.271		EOC-8	.260		EOC-9						
2HD-9	.245	.210	Replaced	EOC-8	.350								
2HD-10	.245	.335		EOC-8	.255	Replaced	EOC-9						
2HD-11	.328	.310	S.S. Replaced	EOC-9									
2HD-12	.245	.216	S.S. Replaced	EOC-9									
2HD-13	.189	.216		EOC-9									
2HD-14	.086/.208	.410	(S.S)										
2HD-15	.208/.309	.272/.323	(S.S.)	EOC-9									
2HD-16	.320	.300	Replaced	EOC-8	.385		EOC-10						
2HD-17	.028/.063	.406	(S.S.)										
2HD-18	.013/.025	.364											
2HD-19	.013/.025												

OCONEE NUCLEAR STATION

System [illegible] Unit 2

		EOC 7			EOC 8			EOC			EOC		
		Date February 1985			Date August 1986			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
2HD-20	.207 x .245	.249 .293		EOC-8	.230 .290		EOC-10						
2HD-21	.392	.426		EOC-9									
2HD-22	.392	.441		EOC-9									
2HD-23	.007 x .012	.350											
2HD-24	.012 x .020	.530											
2HD-25	.007 x .012	.360											
2HD-26	.012 x .020	.530											
2HD-27	.282 x .287	.271	Replaced		.475 x .320		EOC-11						
2HD-28	.282	.363											
2HD-29	.006 x .007	.311											
2HD-30	.006 x .007	.306											
2HD-31	.320	.		EOC-8	.340		EOC-9						
2HD-32	.320			EOC-8	.335		EOC-9						
2HD-39	.245			EOC-8	.210	Replaced	EOC-9						
2HD-40	.245			EOC-8	.160	Replaced	EOC-9						
2HD-41	.245			EOC-8	.195	Replaced	EOC-9						
2HD-42	.245			EOC-8	.215	Replaced	EOC-9						
2HD-43	.245			EOC-8	.160	Replaced	EOC-9						
2HD-44	.245			EOC-8	.190	Replaced	EOC-9						

OCONEE NUCLEAR STATION

System _____ Unit 2

		EOC 8			EOC			EOC			EOC		
		Date August 1986			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
2HD 101	.186	.250		EOC-9									
2HD102	.186	.360		EOC-									
2HD-103	.186	.320		EOC-									
2HD-104	.186	.370		EOC-									
2HD-105	.186	.360		EOC-									
2HD-106	.186	.350		EOC-									
2HD-107	.208	.300		EOC-									
2HD-108	.208	.370		EOC-									
2HD-109	.208	.285		EOC-9									
2HD-110	.208	.360		EOC-									
2HD-111	.208	.340		EOC-									

OCONEE NUCLEAR STATION

System SD

Unit 2

		EOC 8			EOC			EOC			EOC		
		Date August 1986			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
2SD-3	.125 x .328	.129 x .270		EOC-9									
2SD-4	.125 x .328	.140 x .330		EOC-9									

OCONEE NUCLEAR STATION

System HPE

Unit 2

		EOC 7			EOC			EOC			EOC		
		Date February 1985			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
2HPE-1	.313	.633		EOC-									
2HPE-2	.313	.602		EOC-									
2HPE-3	.313	.612		EOC-									
2HPE-4	.313	.503		EOC-9									

OCONEE NUCLEAR STATION

System

		EOC 8			EOC			EOC			EOC		
		Date August 1986			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
2HV-5	.095	.220		EOC-10									
2HV-6	.095	.210		EOC-10									

OCONEE NUCLEAR STATION

System Bleed

Unit 3

		EOC 7			EOC 8			EOC			EOC		
		Date March 1984			Date August 1985			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
3AB-1	.276	.345		EOC-8	.340		EOC-						
3AB-2	.276	.320		EOC-8	.360		EOC-						

OCONEE NUCLEAR STATION

System B Bleed

Unit 3

		EOC 7			EOC 8			EOC 9			EOC		
		Date March 1984			Date August 1985			Date December 1986			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
3BB-1	.147	.130	Replaced	EOC-8	.360		EOC-						
3BB-2	.147				.350		EOC-						
3BB-3	.147	.070	Replaced	EOC-8	.355		EOC-						
3BB-4	.147							.300		EOC-			
3BB-5	.147							.335		EOC-			

OCONEE NUCLEAR STATION

System Bleed

Unit 3

		EOC 8			EOC 9			EOC			EOC		
		Date August 1985			Date December 1986			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
3CB-1	.179	.387		EOC-9	.380		EOC-						
3CB-2	.179	.458		EOC-9	.460		EOC-						
3CB-3	.179	.362		EOC-9	.390		EOC-						
3CB-4	.179	.362		EOC-9	.325		EOC-						
3CB-5	.179	.448		EOC-9	.450		EOC-						
3CB-6	.179	.406		EOC-9	.410		EOC-						
3CB-7	.179	.281	Replaced	EOC-			EOC-						
3CB-8	.179	.270	Replaced	EOC-			EOC-						
3CB-9	.179	.230	Replaced	EOC-			EOC-						
3CB-10	.179	.562		EOC-9	.520		EOC-						
3CB-11	.179	.277		EOC-9	.260		EOC-10						
3CB-12	.179	.390		EOC-9	.385		EOC-						
3CB-13	.179			EOC-9	.260	Replaced	EOC-						
3CB-14	.179			EOC-9	.300	Replaced	EOC-						
3CB-15	.179			EOC-9	.325	Replaced	EOC-						
3CB-16	.179			EOC-9	.210	Replaced	EOC-						

OCONEE NUCLEAR STATION

System _____ Unit 3

		EOC 9			EOC			EOC			EOC		
		Date December 1986			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
3C-1	.523	.680		EOC-11									
3C-2	.523	.660		EOC-11									
3C-3	.559	.940		EOC-									
3C-4	.559	.920		EOC-									
3C-5	.392	.690		EOC-									
3C-6	.5227	.970		EOC-									

OCONEE NUCLEAR STATION

System FDW

Unit 3

		EOC 9			EOC			EOC			EOC		
		Date December 1986			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
3FDW-1	.436	.480		EOC-10									
3FDW-2	.436	.490		EOC-10									
3FDW-3	.658	.840		EOC-									
3FDW-4	.658	.840		EOC-									
3FDW-5	.559 x .523	.730 x .660	Reducer	EOC-									
3FDW-6	.559	1.150		EOC-									
3FDW-7	.3723	.410		EOC-									
3FDW-8	.272	.410		EOC-									
3FDW-9	.9865	1.110		EOC-10									
3FDW-10	.9865	1.15		EOC-10									
3FDW-11	.658 .9865	.950 1.325	REDUCER	EOC-									
3FDW-12	.658 .9865	1.300 1.500	REDUCER	EOC-									
3FDW-13	.9865	2.420		EOC-									
3FDW-14	.9865	1.107		EOC-10									
3FDW-15	.9865	1.108		EOC-10									

OCONEE NUCLEAR STATION

System HD

Unit 3

		EOC 8			EOC 9			EOC			EOC		
		Date August 1985			Date December 1986			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
3HD-1	.040	.279		EOC-9	.275		EOC-						
3HD-2	.040	.227		EOC-9	.195		EOC-						
3HD-3	.040	.293		EOC-9	.305		EOC-						
3HD-4	.040	.146		EOC-9	.105		EOC-						
3HD-7	.040	.306		EOC-10			EOC-						
3HD-8	.040	.262		EOC-10	.255		EOC-						
3HD-14	.1768	.305		EOC-9	.305		EOC-						
3HD-15	.283	.379		EOC-									
3HD-16	.108	.390		EOC-									
3HD-17	.050	.383		EOC-									
3HD-18	.025	.388		EOC-									
3HD-19	.025	.400		EOC-									
3HD-20	.140	.270		EOC-9	.260		EOC-						
3HD-21	.400	.453		EOC-9	.460		EOC-						
3HD-22	.400	.438		EOC-9	.430		EOC-10						
3HD-23	.020	.287		EOC-9	.350		EOC-						
3HD-24	.020	.353		EOC-									
3HD-25	.020	.349		EOC-									
3HD-26	.020	.355		EOC-									

OCONEE NUCLEAR STATION

Unit 3

System HD

Component Code #	Cal. Min. Wall	EOC 8 Date August 1985 Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC 9 Date December 1986 Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
3HD27	.177	.299		EOC-9	.300		EOC-						
3HD-28	.010	.276		EOC-9	.260		EOC-						
3HD-29	.010	.316		EOC-									
3HD-30	.010	.280		EOC-									
3HD-31	.115	.308		EOC-9	.300		EOC-						
3HD-32	.115	.288		EOC-9	.280		EOC-						
3HD-33	.040			EOC-9	.275		EOC-10						
3HD-34	.040			EOC-9	.245		EOC-10						
3HD-35	.040			EOC-9	.260		EOC-10						
3HD-36	.040			EOC-9	.260		EOC-10						
3HD-37	.040			EOC-9	.165	REPLACED	EOC-10						
3HD-38	.040			EOC-9	.150	Replaced	EOC-						
3HD-39	.040			EOC-9	.150	Replaced	EOC-						
3HD-40	.140			EOC-9	.250	Replaced	EOC-						
3HD-41	.140			EOC-9	.235		EOC-						
3HD-42	.369	NOTE:	# AS ASSIGNED BY D.E. 3HD-281	EOC-9	.500		EOC-						
3HD-43	.369		→ 3HD-226	EOC-9	.460		EOC-						
3HD-44	.136			EOC-9	.270		EOC-						

OCONEE NUCLEAR STATION

System HD

Unit 3

		EOC 9			EOC			EOC			EOC		
		Date December 1986			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
3HD-101	.186	.080	REPLACED	EOC-									
3HD-102	.186	.250		EOC-									
3HD-103	.186	.370		EOC-									
3HD-104	.186	.145	REPLACED	EOC-10									
3HD-105	.186	.370		EOC-									
3HD-106	.208	.310		EOC-									
3HD-107	.208	.360		EOC-									
3HD-108	.208	.360		EOC-									
3HD-109	.208	.220		EOC-10									
3HD-110	.186	.265		EOC-									

OCONEE NUCLEAR STATION

System HP

Unit 3

		EOC 8			EOC 9			EOC			EOC		
		Date August 1985			Date December 1986			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
3HPE-1	.341	.475		EOC-9	.660		EOC-						
3HPE-2	.341	.634		EOC-9	.420		EOC-10						
3HPE-3	.341	.520		EOC-9	.600		EOC-						
3HPE-4	.341	.490		EOC-9	.660		EOC-						
3HPE-5	.341			EOC-9	.780		EOC-						
3HPE-6	.341			EOC-9	.730		EOC-						

OCONEE NUCLEAR STATION

System HV

Unit 3

		EOC 8			EOC 9			EOC			EOC		
		Date August 1985			Date December 1986			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
3HV-1	.074	.100		EOC-10			EOC-10						
3HV-2	.074	.070	Replaced	EOC-10			EOC-10						
3HV-3	.074	.070	Replaced	EOC-10			EOC-10						
3HV-4	.074	.275		EOC-									
3HV-5	.074	.165		EOC-9	.165		EOC-						
3HV-6	.074	.135		EOC-9	.135		EOC-						
3HV-7	.074	.195		EOC-9	.210		EOC-						
3HV-8	.074	.200		EOC-9	.210		EOC-						

McGUIRE NUCLEAR STATION

System Feedwater (CF) Unit 1

		EOC			EOC			EOC			EOC		
		Date			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1CF1	.894												
1CF2	1.120												
1CF3	.894												
1CF4	1.120												
1CF5	1.120												
1CF6	1.120												
1CF7	1.120												
1CF8	1.120												
1CF9	.894												
1CF10	.894												
1CF11	.894												
1CF12	.894												
1CF13	1.120												
1CF14	1.120												
1CF15	1.120												
1CF16	1.120												
1CF17	1.120												
1CF18	1.120												
1CF19	1.340												

McGUIRE NUCLEAR STATION

System [illegible]ONDENSATE (Cn) Unit 1

Component Code #	Cal. Min. Wall	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1CM1	.604												
1CM2	.604												
1CM3	.604												
1CM4	.649												
1CM5	.649												
1CM6	.604												
1CM7	.604												
1CM8	.604												
1CM9	.649												
1CM10	.649												
1CM11	.649												
1CM12	.649												
1CM13	.649												
1CM14	.649												
1CM15	.649												
1CM16	.649												
1CM17	.649												
1CM18	.649												
1CM19	.649												

McGUIRE NUCLEAR STATION

System Co[illegible]ate (Cn) Uni[illegible] 1

		EOC			EOC			EOC			EOC		
		Date			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1CM20	.649												
1CM21	.778												
1CM22	.649												
1CM23	.604												
1CM24	.402												
1CM25	.402												
1CM26	.402												
1CM27	.402												
1CM28	.402												
1CM29	.649												
1CM30	.453												
1CM31	.453												
1CM32	.453												
1CM33	.402												
1CM34	.402												
1CM35	.402												
1CM36	.402												
1CM37	.321												
1CM38	.321												

McGUIRE NUCLEAR STATION

System Co[illegible] (cont) Un[illegible] 1

		EOC			EOC			EOC			EOC		
		Date			Date			Date			Date		
		Total Cmpr. Hrs.			Total Cmpr. Hrs.			Total Cmpr. Hrs.			Total Cmpr. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1CM39	.503												
1CM40	.033												
1CM41	.503												
1CM42	.503												

MCGUIRE NUCLEAR STATION

System A[illegible]ER BLEED

Unit 1

Component Code #	Cal. Min. Wall	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HA01	.177												
1HA02	.177												
1HA03	.177												
1HA04	.142												
1HA05	.109												
1HA06	.142												
1HA07	.142												
1HA08	.230/.177												
1HA09	.230												
1HA10	.230/.177												
1HA11	.296												
1HA12	.296												
1HA13	.296												
1HA14	.296												
1HA15	.210												
1HA16	.210												
1HA17	.210												
1HA18	.177												
1HA19	.177												

MCGUIRE NUCLEAR STATION

System "A" Feed Bleed

Unit 1

		EOC			EOC			EOC			EOC		
		Date			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HA20	.177												
1HA21	.177/.142												
1HA22	.109												
1HA23	.142/.109												
1HA24	.142												
1HA25	.142												
1HA26	.142												
1HA27	.142												
1HA28	.097/.062												
1HA29	.109												
1HA29A	.109												

McGUIRE NUCLEAR STATION

System B[illegible]er Bleed

Unit 1

		EOC			EOC			EOC			EOC		
		Date			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HB01	.215												
1HB02	.215												
1HB02A	.215												
1HB03	.215												
1HB03A	.215												
1HB04	.071												
1HB05	.071												
1HB06	.215												
1HB07	.215												
1HB08	.215/.193												
1HB09	.193/.150												
1HB10	.150												
1HB11	.150												
1HB12	.150												
1HB13	.150												
1HB14	.071												
1HB15	.071												
1HB16	.071												
1HB17	.093/.040												

McGUIRE NUCLEAR STATION

System "B" [illegible] Bleed

Un[illegible] 1

		EOC			EOC			EOC			EOC		
		Date			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HB18	.083/.040												
1HB19	.083/.040												
1HB20	.083/.040												
1HB21	.071												
1HB22	.071												
1HB23	.083/.040												
1HB24	.083/.040												

McGUIRE NUCLEAR STATION

System C[illegible]TER BLEED

Unit 1

		EOC - 3			EOC			EOC			EOC		
		Date - July 1986			Date			Date			Date		
		Total Oper. Hrs. 27806			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HC01	.133	.430											
1HC02	.133												
1HC03	.199/.133												
1HC04	.199												
1HC05	.133	.400											
1HC06	.199												
1HC07	.199												
1HC08	.199/.133												
1HC09	.133/.106												
1HC10	.106												
1HC11	.106												
1HC12	.106												
1HC13	.106												
1HC14	.106												
1HC15	.106												
1HC16	.106	.350											

McGUIRE NUCLEAR STATION

System "D" Inner Bend

Unit 1

		EOC			EOC			EOC			EOC		
		Date			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HD01	.040												
1HD02	.040/.050												
1HD03	.040/.075												
1HD04	.040/.075												
1HD05	.040/.050												
1HD06	.040												
1HD07	.075												
1HD08	.075/.060												
1HD09	.060/.045												
1HD10	.045												
1HD11	.045												
1HD12	.045												

MCGUIRE NUCLEAR STATION

System "E" Water Boiler

Unit 1

Component Code #	Cal. Min. Wall	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HE01	.040												
1HE02	.040												
1HE03	.040												
1HE04	.040												
1HE05	.040												
1HE06	.040												
1HE07	.040												
1HE08	.040												
1HE09	.040												
1HE10	.070/.050												
1HE11	.050/.040												
1HE12	.040												
1HE13	.040												
1HE14	.040												
1HE15	.040												

McGUIRE NUCLEAR STATION

System [illegible] Reed Storm (HM) Unit 1

Component Code #	Cal. Min. Wall	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HM01	.326												
1HM02	.330												
1HM03	.330												
1HM04	.412/.330												
1HM05	.326												
1HM06	.326												
1HM07	.330/.172												
1HM08	.330/.172												
1HM09	.172												
1HM10	.172												
1HM11	.170/.132												
1HM12	.170/.132												
1HM13	.132												
1HM14	.132												
1HM15	.170/.132												
1HM16	.170/.132												
1HM17	.326/.170												
1HM18	.326/.170												
1HM19	.134												

McGUIRE NUCLEAR STATION

System M[illegible] Bleed Steam (HM) Un[illegible] 1

Component Code #	Cal. Min. Wall	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HM20	.134												
1HM21	.134												
1HM22	.134												
1HM23	.132												
1HM24	.132												
1HM25	.132												
1HM26	.132												
1HM27	.170/.132												
1HM28	.170/.132												
1HM29	.170/.132												
1HM30	.170/.132												
1HM31	.089												
1HM32	.089												
1HM33	.089												
1HM34	.089												
1HM35	.089												
1HM36	.116												
1HM37	.536/.412												
1HM38	.412												

McGUIRE NUCLEAR STATION

System MS BLEED STEAM (HIR) Unit

		EOC			EOC			EOC			EOC		
		Date			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HM39	.116/.089												
1HM40	.116												
1HM41	.116												
1HM42	.116/.089												
1HM43	.116												
1HM44	.116/.089												
1HM45	.089												
1HM46	.089												
1HM47	.412/.330												
1HM48	.412/.330												
1HM49	.330												
1HM50	.536												

McGUIRE NUCLEAR STATION

System [illegible] Drains (HS) U[illegible] 1

		EOC			EOC			EOC			EOC		
		Date			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HS1	.132												
1HS1A	.132/.071												
1HS1B	.132/.071												
1HS1B1	.132/.071												
1HS2	.132												
1HS2A	.132/.071												
1HS2B	.132/.071												
1HS2B1	.132/.071												
1HS3	.132												
1HS3A	.132/.071												
1HS3B	.132/.071												
1HS3B1	.132/.071												
1HS4	.132												
1HS4A	.132/.071												
1HS4B	.132/.071												
1HS4B1	.132/.071												
1HS5	.132												
1HS5A	.132/.071												
1HS5B	.132/.071												

McGUIRE NUCLEAR STATION

System [illegible] (HS) Unit 1

Component Code #	Cal. Min. Wall	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HS5B1	.132/.071												
1HS5C	.071												
1HS5C1	.071												
1HS5D	.071												
1HS5E	.132												
1HS6	.132												
1HS7	.529												
1HS8	.529												
1HS8A	.529												
1HS8B	.529												
1HS9	.529												
1HS9A	.529												
1HS10	.176												
1HS10A	.176												
1HS11	.071												
1HS11A	.071												
1HS12	.176												
1HS12A	.176												
1HS12A1	.176												

McGUIRE NUCLEAR STATION

System [illegible] Damas (HS) Unit 1

Component Code #	Cal. Min. Wall	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HS13	.176												
1HS13A	.176												
1HS13B	.176												
1HS14	.176												
1HS14A	.176												
1HS14A1	.176												
1HS15	.071												
1HS15A	.071												
1HS16	.176												
1HS17	.529												
1HS18	.529												
1HS19	.071												
1HS20	.529												
1HS21	.176												
1HS22	.176												
1HS23	.071												
1HS24	.176												
1HS25	.071												
1HS26	.529												

McGUIRE NUCLEAR STATION

System MS Drains (HS) Unit 1

		EOC			EOC			EOC			EOC		
		Date			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HS27	.529												
1HS28	.529												
1HS29	.176												
1HS30	.176												
1HS30A	.176												
1HS31	.071												
1HS32	.071												
1HS33	.529												
1HS34	.529												
1HS35	.529												
1HS36	.529												
1HS37	.071												
1HS38	.529												
1HS40	.071												
1HS41	.176												
1HS42	.529												
1HS43	.529												
1HS44	.529												

McGUIRE NUCLEAR STATION

System [illegible] (HS) Unit 1

Component Code #	Cal. Min. Wall	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HS45	.176												
1HS46	.176												
1HS47	.176												
1HS48	.104												
1HS48A	.104												
1HS48B	.104												
1HS48C	.104												
1HS48D	.104												
1HS48E	.104												
1HS49	.091												
1HS49A	.091												
1HS49B	.091/.074												
1HS49C	.074												
1HS49C1	.074												
1HS50	.074												
1HS51	.055												
1HS51A	.055												
1HS51B	.055												
1HS51C	.055												

McGUIRE NUCLEAR STATION

System [illegible] Demin (HS) Unit 1

Component Code #	Cal. Min. Wall	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HS52	.251												
1HS53	.071												
1HS54	.091												
1HS55	.210												
1HS55A	.210												
1HS56	.071												
1HS56A	.071												
1HS56B	.071												
1HS56C	.071												
1HS56D	.071/.055												
1HS57	.251												
1HS57A	.251												
1HS57B	.251												
1HS58	.094												
1HS58A	.094												
1HS59	.232												
1HS59A	.232/.077												
1HS59B	.077/.076												
1HS60	.232												

McGUIRE NUCLEAR STATION

System [illegible] (HS) Unit 1

Component Code #	Cal. Min. Wall	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HS60A	.232/.097												
1HS60B	.097/.075												
1HS61	.232												
1HS61A	.232/.097												
1HS61B	.097/.075												
1HS62	.232												
1HS62A	.232/.097												
1HS62B	.097/.075												
DUP	.232												
DUP A	.232/.097												
DUP B	.097/.075												
1HS63	.071												
1HS64	.071												
1HS65	.071												
1HS66	.071												
1HS67	.071												
1HS68	.071												
1HS69	.071												
1HS70	.251												

McGUIRE NUCLEAR STATION

System MS Drains (HS) Unit 1

Component Code #	Cal. Min. Wall	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HS71	.071												
1HS72	.091												
1HS73	.251												
1HS74	.091												
1HS74A	.091/.071												
1HS75	.251												
1HS75A	.251												
1HS76	.071												
1HS77	.251												
1HS78	.258												
1HS79	.071												
1HS80	.071/.065												
1HS81	.071												
1HS82	.091												
1HS83	.251												
1HS84	.186												
1HS84A	.186												
1HS85	.186												
1HS85A	.186												

McGUIRE NUCLEAR STATION

System MS [illegible] (A) Unit 1

Component Code #	Cal. Min. Wall	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HS85B	.186												
1HS85C	.186												
1HS86	.122												
1HS87	.122												
1HS88	.122												
1HS89	.132												
1HS90	.132												
1HS91	.251												
1HS91A	.251												
1HS91B	.251/.132												
1HS92	.251												
1HS92A	.251												
1HS92B	.251/.132												
1HS93	.132												
1HS94	.251												
1HS94A	.251												
1HS94B	.251/.132												
1HS95	.122												
1HS95A	.122												

McGUIRE NUCLEAR STATION

System [illegible] Drains (HS) Unit 1

Component Code #	Cal. Min. Wall	EDC / Date / Total Oper. Hrs.			EDC / Date / Total Oper. Hrs.			EDC / Date / Total Oper. Hrs.			EDC / Date / Total Oper. Hrs.		
		Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HS96	.186												
1HS96A	.186												
1HS96B	.186												
1HS96C	.186												
1HS97	.122												
1HS97A	.122												
1HS98	.232												
1HS98A	.232/.097												
1HS98B	.232/.097												
1HS98C	.232/.097												
1HS99	.232												
1HS99A	.232												
1HS99B	.232												
1HS99C	.232/.097												
1HS99D	.232/.097												
1HS99E	.232/.097												
1HS100	.232												
1HS100A	.232												
1HS101	.232												

McGUIRE NUCLEAR STATION

System [illegible]DRAIN (HS) Un[illegible] 1

		EOC			EOC			EOC			EOC		
		Date			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HS101A	.232												
1HS102	.232												
1HS102A	.232												
1HS103	.232												
1HS104	.232												
1HS104A	.232												

McGUIRE NUCLEAR STATION

System HE[illegible] Valves (HV) Unit 1

Component Code #	Cal. Min. Wall	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HV01	.019												
1HV02	.014												
1HV03	.019												
1HV04A	.027												
1HV04B	.020												
1HV04C	.020												
1HV04D	.020												
1HV05A	.020												
1HV05B	.020												
1HV05C	.020												
1HV06	.019												
1HV07	.014												
1HV08	.014												
1HV09A	.031												
1HV09B	.041												
1HV10	.030												
1HV11	.030												
1HV12	.030												
1HV13	.022												

McGUIRE NUCLEAR STATION

System Heater Vents (HV) Unit 1

Component Code #	Cal. Min. Wall	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HV14	.009												
1HV15A	.02												
1HV15B	.016												
1HV16A	.007												
1HV16B	.006												
1HV17	.003												
1HV18A	.007												
1HV18B	.006												
1HV19A	.006/.003												
1HV19B	.006/.003												
1HV20	.011												
1HV21	.005												
1HV22	.005												
1HV23	.005												
1HV24	.005												
1HV25	.004												
1HV25B	.003												
1HV26A	.007												
1HV26B	.007												

McGUIRE NUCLEAR STATION

System Heater Vents (HV) Unit 1

		EOC			EOC			EOC			EOC		
		Date			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HV27A	.007												
1HV27B	.007												
1HV27C	.007												
1HV28A	.007												
1HV28B	.007												
1HV28C	.007												
1HV29A	.004												
1HV29B	.003												
1HV30A	.003												
1HV30B	.004												
1HV31A	.003												
1HV31B	.003												
1HV32A	.003												
1HV32B	.003												
1HV32C	.003												
1HV33A	.003												
1HV33B	.003												
1HV33C	.004												
1HV34A	.004												

McGUIRE NUCLEAR STATION

System Header Vents (HV)

Component Code #	Cal. Min. Wall	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HV34B	.003												
1HV34C	.003												
1HV34D	.003												
1HV35A	.004												
1HV35B	.004												
1HV36A	.004												
1HV36B	.004												
1HV37	.004												
1HV38A	.014												
1HV38B	.014												
1HV39	.014												
1HV40	.019												
1HV41	.014												
1HV42	.014												
1HV43	.014												
1HV44A	.027												
1HV44B	.020												
1HV45A	.022												

McGUIRE N[illegible]AR STATION

Unit 1

System Heater Vents (HV)

Component Code #	Cal. Min. Wall	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HV45C	.030												
1HV46	.022												
1HV47	.022												
1HV48	.022												
1HV49A	.041												
1HV49B	.031												

McGUIRE NUCLEAR STATION

System Ha[illegible] Drains (HW) Uni[illegible] 1

		EOC			EOC			EOC			EOC		
		Date			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HW01	.018												
1HW02A	.018												
1HW02B	.018/.014												
1HW02C	.029/.016												
1HW02D	.029												
1HW03A	.033/.016												
1HW03B	.018/.014												
1HW03C	.018												
1HW04	.113												
1HW05	.113												
1HW06	.018												
1HW07	.113												
1HW08A	.018												
1HW08B	.018/.014												
1HW08C	.029/.016												
1HW08D	.029												
1HW09A	.033/.016												
1HW09B	.018/.014												
1HW09C	.018												

McGUIRE NUCLEAR STATION

System Heater Drains (HW) Unit 1

Component Code #	Cal. Min. Wall	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HW10	.018												
1HW11A	.018												
1HW11B	.018/.014												
1HW11C	.029/.016												
1HW11D	.029												
1HW12A	.033/.016												
1HW12B	.018/.014												
1HW12C	.018												
1HW13	.113/.077												
1HW14	.018												
1HW15	.011												
1HW16	.096/.077												
1HW17	.011												
1HW18	.141/.095												
1HW19	.141/.095												
1HW20	.141/.095												
1HW21	.093												
1HW22A	.093												
1HW22B	.112/.093												

McGUIRE NUCLEAR STATION

System H[illegible] Drain (Hw) Un[illegible] 1

Component Code #	Cal. Min. Wall	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HW23	.093												
1HW24A	.093												
1HW24B	.172/.093												
1HW25	.093												
1HW26A	.093												
1HW26B	.172/.093												
1HW26C	.093												
1HW27	.093												
1HW28	.093												
1HW29	.093												
1HW30	.093												
1HW31	.093												
1HW32	.093												
1HW33	.016												
1HW34	.016												
1HW35	.016												
1HW36	.016												
1HW37	.016												
1HW38	.016												

McGUIRE NUCLEAR STATION

System H[illegible] Drain (HW) Unit 1

Component Code #	Cal. Min. Wall	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HW39A	.012												
1HW39B	.012												
1HW40A	.018/.011												
1HW40B	.011												
1HW41A	.012												
1HW41B	.012												
1HW42A	.018												
1HW42B	.018/.011												
1HW43A	.012												
1HW43B	.012												
1HW44A	.018/.011												
1HW44B	.011												
1HW45	.327												
1HW46	.327												
1HW47	.327												
1HW48	.327												
1HW49	.327												
1HW50	.327												
1HW51	.071												

McGUIRE NUCLEAR STATION

System Ho[illegible] Drain (HW) Un[illegible] 1

Component Code #	Cal. Min. Wall	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HW52	.327												
1HW53	.071												
1HW54	.071												
1HW55	.327												
1HW56	.071												
1HW57	.071												
1HW58	.071												
1HW59	.327												
1HW60	.109												
1HW61	.109												
1HW62A	.109												
1HW62B	.109												
1HW63	.109												
1HW64	.109												
1HW65	.109												
1HW66	.109												
1HW67A	.109												
1HW67B	.109												
1HW68	.018												

McGUIRE NUCLEAR STATION

System He[redacted] Drain (HW) Un[redacted] 1

Component Code #	Cal. Min. Wall	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HW69	.016												
1HW70	.016												
1HW71	.016												
1HW72	.113												
1HW73A	.113												
1HW73B	.113												
1HW74	.023												
1HW75A	.023												
1HW75B	.021												
1HW76	.011												
1HW77A	.071												
1HW77B	.071												
1HW78A	.057												
1HW78B	.057												
1HW79	.327												
1HW80	.327												
1HW81A	.071												
1HW81B	.071												
1HW82A	.057												

McGUIRE NUCLEAR STATION

System Hot Drain (HD) Unit 1

Component Code #	Cal. Min. Wall	BOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	BOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	BOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	BOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HW82B	.057												
1HW83	.327												
1HW84	.327												
1HW85A	.071												
1HW85B	.071												
1HW85C	.057												
1HW85D	.057												
1HW86	.327												
1HW87	.327												
1HW88	.070												
1HW89	.170												

McGUIRE NUCLEAR STATION

System Tu[illegible] Crossover (SC) Un[illegible] 1

Component Code #	Cal. Min. Wall	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1SC01	.229												
1SC02	.229												
1SC03	.229												
1SC04	.229												
1SC05	.229												
1SC06	.229												
1SC07	.229												
1SC08	.229												
1SC09	.229												
1SC10	.229												
1SC11	.229												
1SC12	.265/.229												
1SC13	.229												
1SC14	.229												
1SC15	.229												
1SC16	.229												
1SC17	.229												
1SC18	.265/.229												
1SC19	.229												

McGUIRE NUCLEAR STATION

System Tu[redacted] Crossover (SC) Ui[redacted] 1

Component Code #	Cal. Min. Wall	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
15C20	.265/.229												
15C21	.229												
15C22	.229												
15C23	.229												
15C24	.183												
15C25	.183												
15C26	.229												
15C27	.229												
15C28	.265/.229												
15C29	.265/.229												
15C30	.229												
15C31	.265/.229												

McGUIRE NUCLEAR STATION

System [illegible] 5mm (5m) Un[illegible] 1

Component Code #	Cal. Min. Wall	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
15M01	.091												
15M02	.091/.050												
15M03	.050												
15M04	.050												
15M05	.091												
15M06	.091												
15M07	.091												
15M08	.091												
15M09	.091												
15M10	.091												
15M11	.050												

McGUIRE NUCLEAR STATION

System "B" [illegible]rk Bleed (HB) Unit 2

Component Code #	Cal. Min. Wall	EOC 3 Date May 1987 Total Oper. Hrs. 19,672 Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
2HB20													
2HB21													
2HB22													
2HB23													
2HB24													
2HB25													
2HB26													
2HB27													
2HB28													
2HB29													
2HB30													
2HB31													
2HB32													
2HB33													
2HB34													
2HB35	.150	.300											
2HB36													
2HB37													
2HB38													

McGUIRE NUCLEAR STATION

System "B" [illegible] Press (HB) Unit 2

		EOC 3			EOC			EOC			EOC		
		Date May 1987			Date			Date			Date		
		Total Oper. Hrs. 19,672			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
24839	.150	.270		EOC-4									
24840	.150	.295											

McGUIRE NUCLEAR STATION

Unit 2

System "C" Heater Bleed (HC)

Component Code #	Cal. Min. Wall	EOC -3 Date May 1987 Total Oper. Hrs. 19672 Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
2HC1	.133	.340											
2HC2	.133	.310											
2HC3	.133	.380											
2HC4	.133	.325											
2HC5													
2HC6	.133	.380											
2HC7	.133	.320											
2HC8	.133	.330											
2HC9	.133	.385											
2HC10	.133	.395											
2HC11	.133	.365											
2HC12	.133	.370											
2HC13	.171	.355											
2HC14	.171	.375											
2HC15													
2HC16													
2HC17													
2HC18													

McGUIRE NUCLEAR STATION

System "C" He[illegible] Bleed (HC) Unit [illegible]2

		EOC 3			EOC			EOC			EOC		
		Date May 1987			Date			Date			Date		
		Total Oper. Hrs. 19672			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
2HC20													
2HC21													
2HC22													
2HC23													
2HC24													
2HC25													
2HC26													
2HC27													
2HC28													
2HC29													
2HC30													
2HC31													
2HC32													
2HC33													
2HC34													
2HC35	.106	.285											
2HC36													
2HC37													
2HC38													

McGUIRE NUCLEAR STATION

System Ca[illegible]ate (CM) Unit 2

		EOC -3			EOC			EOC			EOC		
		Date May-1987			Date			Date			Date		
		Total Oper. Hrs. 19672			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
2CM-39	.503	.600											
2CM-40	.033	.675											
2CM-41	.503	.590		EOC-4									
2CM-42	.503	.640											
2CM-321	.649	.760		EOC-4									

McGUIRE NUCLEAR STATION

System Ca[illegible]ate (CM) Unit 2

		EOC -3			EOC			EOC			EOC		
		Date May-1987			Date			Date			Date		
		Total Oper. Hrs. 19,672			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
2CM-20	.649												
2CM-21	.778												
2CM-22	.649	.990											
2CM-23	.604												
2CM-24	.402	.920											
2CM-25	.402												
2CM-26	.402												
2CM-27	.402	.980											
2CM-28	.402												
2CM-29	.649												
2CM-30	.453	.870											
2CM-31	.453												
2CM-32	.453												
2CM-33	.402	.530											
2CM-34	.402												
2CM-35	.402												
2CM-36	.402	.500											
2CM-37	.321	.380		EOC-4									
2CM-38	.321	.365		EOC-4									

McGUIRE NUCLEAR STATION

System Feedwater (CF) Unit 2

		EOC 3			EOC			EOC			EOC		
		Date May 1987			Date			Date			Date		
		Total Oper. Hrs. 19672			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
2CF-1	.894	1.08		EOC-4									
2CF-2	1.120	1.32											
2CF-3	.894												
2CF-4	1.120												
2CF-5	1.120												
2CF-6	1.120												
2CF-7	1.120												
2CF-8	1.120												
2CF-9	.894												
2CF10	.894	1.45											
2CF11	.894												
2CF12	.894	1.30											
2CF13	1.120	1.37											
2CF14	1.120												
2CF15	1.120												
2CF16	1.120												
2CF17	1.120												
2CF18	1.120												
2CF19	1.340	1.96											

McGUIRE NUC[illegible] STATION

Unit [illegible]2

System Condensate (CM)

Component Code #	Cal. Min. Wall	EOC - 3 Date May-1987 Total Oper. Hrs. 19,672 Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
2CM-1	.604												
2CM-2	.604												
2CM-3	.604												
2CM-4	.649												
2CM-5	.649												
2CM-6	.604	.870											
2CM-7	.604	.850											
2CM-8	.604	.740											
2CM-9	.649	.930											
2CM-10	.649												
2CM-11	.649												
2CM-12	.649												
2CM-13	.649												
2CM-14	.649												
2CM-15	.649												
2CM-16	.649												
2CM-17	.649												
2CM-18	.649												

McGUIRE NUCLEAR STATION

System "A" [illegible] Bleed (HA) Unit 2

Component Code #	Cal. Min. Wall	EOC 3 Date May 1987 Total Oper. Hrs. 19,672 Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
2HA-1	.296	.360		EOC 4									
2HA-2	.193	.330											
2HA-3	.193	.330											
2HA-4													
2HA-5	.193	.370											
2HA-6	.193	.295		EOC 4									
2HA-7													
2HA-8													
2HA-9													
2HA10	.193	.370											
2HA11	.150	.450											
2HA12	.150	.290											
2HA13	.150	.360											
2HA14	.150	.380											
2HA15													
2HA16													
2HA17													
2HA18													
2HA19													

McGUIRE NUCLEAR STATION

System "A" [illegible] Feed (HA) Unit 2

		EOC 3			EOC			EOC			EOC		
		Date May 1987			Date			Date			Date		
		Total Oper. Hrs. 19,672			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
2HA20													
2HA21													
2HA22													
2HA23													
2HA24													
2HA25													
2HA26													

McGUIRE NUCLEAR STATION

System "B" Steam Gen Blowdown (HB) Unit 2

Component Code #	Cal. Min. Wall	EOC - 3 Date May 1987 Total Oper. Hrs. 19672 Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
2HB1	.193	.340		EOC-4									
2HB2	.215	.340											
2HB3	.215	.390											
2HB4	.215	.340											
2HB5	.215	.350											
2HB6	.215	.335		EOC-4									
2HB7	.215	.370											
2HB8													
2HB9													
2HB10													
2HB11													
2HB12													
2HB13													
2HB14													
2HB15													
2HB16													
2HB17													
2HB18													
2HB19													

McGUIRE NU[illegible] STATION

System "C" Heater Bleed (HC)

Unit 2

		EOC 3			EOC			EOC			EOC		
		Date May 1987			Date			Date			Date		
		Total Oper. Hrs. 19672			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
2HC39													

McGUIRE NUCLEAR STATION

System MSR [illegible] (HS) Unit 2

		EOC 3			EOC			EOC			EOC		
		Date May 1987			Date			Date			Date		
		Total Oper. Hrs. 19672			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
2HS1	.251/.132												
2HS2	.038	.340											
2HS3	.172	.485											
2HS4	.172	.290											
2HS5	.172	.345											
2HS6	.172	.445											
2HS7	.172	.330											
2HS8	.172												
2HS9	.215												
2HS10	.215/.133	.320											
2HS11	.215	.325											
2HS12	.215/.133	.350											
2HS13	.215												
2HS14	.215												

McGUIRE NUCLEAR STATION

System Heater Drains (HW) Unit 2

		EOC 3			EOC			EOC			EOC		
		Date May 1987			Date			Date			Date		
		Total Oper. Hrs. 19,672			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
2HW1	.327	.330		EOC-4									
2HW2	.327	.380		EOC-4									
2HW3	.327	.445											
2HW4	.327	.265	Replaced w/ SS (.380)										
2HW5	.327	.365		EOC-4									
2HW6	.327	.420											
2HW7	.327	.240	Replaced w/ SS. (.370)										
2HW8	.327												
2HW9	.327	.345		EOC-4									
2HW10	.170	.285											
2HW11	.170	.260											
2HW12	.170	.250											
2HW13	.074/.044	.355											
2HW14	.071	.570											
2HW15	.170												
2HW16	.170												
2HW17	.170												
2HW18	.071/.044												
2HW19	.071												

McGUIRE NUCLEAR STATION

System Heater Drain (HW) Unit 2

Component Code #	Cal. Min. Wall	EOC 3 Date May 1987 Total Oper. Hrs. 19,672 Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
2HW20	.170												
2HW21	.170												
2HW22	.170												
2HW23	.071/.044												
2HW24	.071												
2HW25	.106												
2HW26	.106												
2HW27	.106	.360											
2HW28	.326												
2HW29	.326												
2HW30	.326	.380											
2HW31	.109												
2HW32	.109												
2HW33	.109	.335											
2HW34	.326/.170												
2HW35	.170												
2HW36	.326/.170												
2HW37	.170												
2HW38	.326/.170	.310											

McGUIRE NUCLEAR STATION

System Hem[illegible] Drains (HW) Unit [illegible]

		EOC 3			EOC			EOC			EOC		
		Date May 1987			Date			Date			Date		
		Total Oper. Hrs. 19672			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
2HW39	.170												
2HW40	.300	.265	Equivalent to S.S. (.380)										

System Ca[illegible]ate (CM)

CATAWBA NUCLEAR STATION

U[illegible] 1

		EOC 2			EOC			EOC			EOC		
		Date October, 1987			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1CM1	.444												
1CM2	.592												
1CM3	.444												
1CM4	.592												
1CM5	.592												
1CM6	.592												
1CM7	.887												
1CM8	.573												
1CM9	.573												
1CM10	.573												
1CM11	.573												
1CM12	.573												
1CM13	.573												
1CM14	.573												
1CM15	.573												
1CM16	.573												
1CM17	.573												
1CM18	.573												
1CM19	.573												

System Co[illegible]ate (CM)

CATAWBA NUCLEAR STATION

U[illegible] 1

		EOC 2			EOC			EOC			EOC		
		Date October 1987			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1CM20	.573												
1CM21	.573												
1CM22	.573												
1CM23	.739												
1CM24	.739												
1CM25	.739												
1CM26	.739												
1CM27	.573												
1CM28	.573												
1CM29	.573												
1CM30	.573												
1CM31	.573												
1CM32	.573												
1CM33	.573												
1CM34	.573												
1CM35	.573												
1CM36	.202												
1CM36A	.298												
1CM36B	.298 / .202												

System Co[illegible]ate (Cm)

CATAWBA NUCL[illegible]R STATION

U[illegible] 1

		EOC 2			EOC			EOC			EOC		
		Date October, 1987			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1CM36C	.202												
1CM37	.573												
1CM38	.573												
1CM39	.011												
1CM40	.011												
1CM41	.011												
1CM42	.031												
1CM43	.031												
1CM44	.031												
1CM45	.031												
1CM46	.011												
1CM47	.011												
1CM48	.011												
1CM49	.011												
1CM50	.011												
1CM51	.011												
1CM18	.444												

System Feedwater (CF)

CATAWBA NUCLEAR STATION

		EOC 2			EOC			EOC			EOC		
		Date October 1987			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1CF1	.720												
1CF1B	.720												
1CF2	.720												
1CF3	.930												
1CF4	.930												
1CF5	.930												
1CF6	.930												
1CF6A	.930												
1CF7	.930												
1CF7A	.930												
1CF8	.930												
1CF9	.930												
1CF10	.720												
1CF11	.720												
1CF12	.930												
1CF13	.483												
1CF14	.483												
1CF15	.483												
1CF16	.483												

System "A" [illegible] (HA)

CATAWBA NUCLEAR STATION

Un[illegible] 1

		EOC - 1			EOC			EOC			EOC		
		Date August 1986			Date			Date			Date		
		Total Oper. Hrs. 7717			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HA1	.230	.479											
1HA2	.230		EOC 2										
1HA3	.230												
1HA4	.230		EOC 2										
1HA5	.409	.566	EOC 2										
1HA6	.409	.588	EOC 2										
1HA7	.185												
1HA8	.185	.491											
1HA9	.185		EOC 2										
1HA10	.185		EOC 2										
1HA11	.242												
1HA12	.242												
1HA13	.242		EOC 2										
1HA14	.242		EOC 2										
1HA15	.342/.266	.560	EOC 2										
1HA16	.065												
1HA17	.065												
1HA18	.230	.479											
1HA19	.230	.496											

System "A" [illegible] (HA) CATAWBA NUCLEAR STATION Un[illegible] 1

		EOC 1			EOC			EOC			EOC		
		Date August 1986			Date			Date			Date		
		Total Oper. Hrs. 7717			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HA20	.230	.506											
1HA21	.230	.489											
1HA22	.409	.564											
1HA23	.383	.533											
1HA24	.328	.548											
1HA25	.383	.581											
1HA26	.383/.279												

System B[illegible]D (HB)

CATAWBA NUCLEAR STATION

U[illegible] 1

		EOC - 1			EOC 2			EOC			EOC		
		Date August 1986			Date October 1987			Date			Date		
		Total Oper. Hrs. 7,717			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HB01	.254			EOC2									
1HB02	.172												
1HB03	.254/.225			EOC2									
1HB04	.153												
1HB05	.217			EOC2									
1HB06	.153												
1HB07	.172												
1HB08	.153			EOC2									
1HB09	.153												
1HB10	.254	.331											
1HB11	.214	.337											
1HB12	.254	.341											
1HB13	.225	.378											
1HB14	.225	.385											
1HB15	.179	.367											
1HB16	.217	.352											
1HB17	.217	.324											
1HB18	.254	.329											

System "C[illegible]ED (HC)

CATAWBA NUCLEAR STATION

U[illegible] 1

		EOC - 1			EOC 2			EOC			EOC		
		Date August 1986			Date October 1987			Date			Date		
		Total Oper. Hrs. 7717			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HC01	.071												
1HC02	.084/.071												
1HC03	.084												
1HC04	.162			EOC2									
1HC05	.133/.119												
1HC06	.162	.451		EOC2									
1HC07	.133/.119	.413											
1HC08	.133			EOC2									
1HC09	.133/.119			EOC2									
1HC10	.138			EOC2									
1HC11	.138	.		EOC2									
1HC12	.124	.406		EOC2									
1HC13	.124	.377		EOC2									
1HC14	.124	.388		EOC2									
1HC15	.119	.402											
1HC16	.119	.460											
1HC17	.119	.480											
1HC18	.119	.427											
1HC19	.119	.410											

System "C" (HC)

CATAWBA NUCLEAR STATION

Unit 1

		EOC 1			EOC 2			EOC			EOC		
		Date August 1986			Date October 1987			Date			Date		
		Total Oper. Hrs. 7,717			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HC20	.102	.389											
1HC21	.102	.406											
1HC22	.102	.411											
1HC23	.102	.386											

System [illegible] (HD)

CATAWBA NUCLEAR STATION

U[illegible] 1

		EOC 2			EOC			EOC			EOC		
		Date October 1987			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HD01	.066												
1HD02	.032												
1HD03	.032												
1HD04	.054												
1HD05	.054												
1HD06	.054												
1HD07	.032												
1HD08	.054												

System M[illegible] Feed Stream (HM)

CATAWBA NUCLEAR STATION

U[illegible] 1

		EOC 2			EOC			EOC			EOC		
		Date October 1987			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HM01	.296/.230												
1HM02	.230												
1HM03	.230/.177												
1HM04	.230/.177												
1HM05	.177												
1HM06	.177												
1HM07	.296/.230												
1HM08	.230												
1HM09	.230/.177												
1HM10	.230/.177												
1HM11	.177												
1HM12	.177												
1HM13	.536												
1HM14	.536												
1HM15	.536/.412												
1HM16	.536/.412												
1HM17	.536												
1HM18	.536												
1HM19	.536/.412												

System MS[illegible]ed Steam (HM)

CATAWBA NUCLEAR STATION

Unit 1

		EOC 2			EOC			EOC			EOC		
		Date October 1987			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HM20	.536/.412												
1HM21	.428												
1HM21A	.428/.344												
1HM22	.344												
1HM23	.428/.344												
1HM24	.428/.344												
1HM25	.428/.344												
1HM26	.428												
1HM27	.428/.344												
1HM28	.428/.344												
1HM29	.344												
1HM30	.428/.344												
1HM31	.428												
1HM32	.428/.344												
1HM33	.344												
1HM34	.428/.344												
1HM35	.428/.344												
1HM36	.428												
1HM37	.428/.344												

System [illegible] Steam (HM)

CATAWBA NUCLEAR STATION

1

		EOC 2			EOC			EOC			EOC		
		Date October 1987			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HM38	.344												
1HM39	.428/.344												
1HM40	.428/.344												

System M[illegible] HTR. Drain (HS)

CATAWBA NUCLEAR STATION

U[illegible] 1

		EOC 2			EOC			EOC			EOC		
		Date October 1987			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HS-2	.070/.054												
1HS-3	.103/.070												
1HS-4	.086												
1HS-5	.114/.054												
1HS-6	.114												
1HS-8	.103/.054												
1HS-9	.114												
1HS-10	.070/.054												
1HS-11	.086/.044												
1HS-12	.086												
1HS-13	.086/.044												
1HS-14	.114/.054												
1HS-15	.086/.044												
1HS-16	.103												
1HS-17	.086/.044												
1HS-18	.114												
1HS-19	.412/.172												

System M[illegible]TR. Drain (HS)

CATAWBA NUCLEAR STATION

U[illegible] 1

		EOC 2			EOC			EOC			EOC		
		Date October 1987			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HS-20	.412												
1HS-21	.670												
1HS-22	.412/.172												
1HS-23	.142/.074												
1HS-24	.142/.074												
1HS-25	.244												
1HS-26	.412/.172												
1HS-27	.412												
1HS-28	.412/.172												
1HS-29	.670												
1HS-30	.244												
1HS-31	.142/.074												
1HS-32	.412/.172												
1HS-33	.348/.236												
1HS-34	.670/.348												
1HS-35	.670												
1HS-36	.412												
1HS-37	.290												
1HS-38	.254/.172												

System M[illegible]TR. Drain (HS)

CATAWBA NUCLEAR STATION

U[illegible]

		EOC 2			EOC			EOC			EOC		
		Date October 1987			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HS-39	.412/.254												
1HS-40	.142												
1HS-41	.142												
1HS-42	.142												
1HS-43	.142												
1HS-44	.142/.074												
1HS-45	.142/.074												
1HS-46	.244												
1HS-47	.142/.074												
1HS-48	.142												
1HS-49	.177/.142												
1HS-50	.142/.074												
1HS-51	.244/.102												
1HS-52	.412/.172												
1HS-53	.348/.236												
1HS-53A	.348/.236												
1HS-54	.412/.172												
1HS-55	.348/.236												
1HS-56	.670/.348												

System MS[illegible]R. Drain HS

CATAWBA NUCLEAR STATION

U[illegible]

		EOC 2			EOC			EOC			EOC		
		Date October 1987			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HS-57	.670												
1HS-58	.086												
1HS-59	.254												
1HS-60	.109												
1HS-61	.109												

System (H[illegible] HTR. VENT

CATAWBA NUCLEAR STATION

[illegible] 1

		EOC 2			EOC			EOC			EOC		
		Date October 1987			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HV1	.038/.025												
1HV2	.038/.025												
1HV3	.022												
1HV4	.049												
1HV5	.313												
1HV6	.014												
1HV7	.025												
1HV8	.022												
1HV9	.039												
1HV10	.025												
1HV11	.133												
1HV12-A	.032												
1HV12-B	.025												
1HV13	.154												
1HV14	.154												
1HV15	.154												
1HV16A	.154												
1HV16B	.154												

System Hot Reheat Drains (HW)

CATAWBA NUCLEAR STATION

Page 1

		EOC 2			EOC			EOC			EOC		
		Date October 1987			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HW02	.027/.018												
1HW03	.027												
1HW04	.027/.018												
1HW05	.023												
1HW06	.023/.018												
1HW07	.023												
1HW08	.023/.018												
1HW09	.023												
1HW10	.023												
1HW11	.023												
1HW12	.023/.018												
1HW13	.023												
1HW14	.202												
1HW15	.202/.143												
1HW16	.295/.188												
1HW17	.346/.346												
1HW18	.295/.188												
1HW19	.346												

System H[illegible] Drains (HW)

CATAWBA NUCLEAR STATION

U[illegible] 1

		EOC 2			EOC			EOC			EOC		
		Date October, 1987			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HW20	.374												
1HW21	.295												
1HW22	.237/.182												
1HW22A	.320												
1HW23	.202												
1HW24	.205/.202												
1HW25	.374												
1HW26	.182												
1HW27	.237/.182												
1HW27A	.374												
1HW28	.237												
1HW29	.766												
1HW30	.766												
1HW31	.766												
1HW32	.766												
1HW33	.766												
1HW34	.766/.613												
1HW35	.133												
1HW36	.044												

System HE[illegible] Drains (HW)

CATAWBA NUCLEAR STATION

Un[illegible] 1

		EOC 2			EOC			EOC			EOC		
		Date October 1987			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HW37	.254												
1HW38	.057												
1HW39	.057												
1HW40	.057												
1HW41	.243												
1HW42	.766												
1HW43	.766												
1HW44	.044												
1HW45	.133												
1HW46	.057												
1HW47	.243												
1HW48	.023												
1HW49	.021												
1HW49A	.023/.012												
1HW49B	.018/.011												
1HW49C	.018												
1HW49D	.021/.018												
1HW50	.014/.011												

System H[illegible] Drains (HW)

CATAWBA NUCLEAR STATION

U[illegible] 1

		EOC 2			EOC			EOC			EOC		
		Date October 1987			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1HW52	.021/.014												
1HW53	.018												
1HW54	.018/.014												
1HW55	.011												
1HW56	.018/.014												
1HW57	.011												
1HW58	.018/.011												
1HW59	.021/.018												
1HW60	.021												
1HW61	.021/.014												
1HW62	.014/.011												

System Th[illegible] Crossover (SC)

CATAWBA NUCLEAR STATION

[illegible] 1

		EOC 2			EOC			EOC			EOC		
		Date October 1987			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1SC20	.380												
1SC21	.380												
1SC22	.380												
1SC23	.433/.380												
1SC24	.433/.380												
1SC25	.380												
1SC26	.380												
1SC27	.380												
1SC28	.380												
1SC29	.380												
1SC30	.380												
1SC31	.380												
1SC32	.433/.380												
1SC33	.380												
1SC34	.380												
1SC35	.380												
1SC36	.380												
1SC37	.380												
1SC38	.380												

System Ta[illegible] Cassavar (SC)

CATAWBA NUCLEAR STATION

U[illegible] 1

		EOC 2			EOC			EOC			EOC		
		Date October 1987			Date			Date			Date		
		Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.			Total Oper. Hrs.		
Component Code #	Cal. Min. Wall	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1SC01	.154												
1SC02	.154												
1SC03	.380												
1SC04	.380												
1SC05	.380												
1SC06	.380												
1SC07	.380												
1SC08	.380												
1SC09	.380												
1SC10	.380												
1SC11	.433/.380												
1SC12	.433/.380												
1SC13	.433/.380												
1SC14	.380												
1SC15	.380												
1SC16	.380												
1SC17	.380												
1SC18	.380												
1SC19	.380												

CATAWBA NUCLEAR STATION

System [illegible] Steam (SM) [illegible] 1

Component Code #	Cal. Min. Wall	EOC 2 Date October 1987 Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date	EOC Date Total Oper. Hrs. Minimum Test Reading	Calculated Erosion Rate	Next Scheduled Test Date
1SM01	.254												
1SM02	.254/.172												
1SM03	.172/.091												
1SM04	.091												
1SM05	.091												
1SM06	.091												
1SM07	.091												
1SM08	.091												
1SM09	.091												
1SM10	.091												
1SM11	.050												
1SM12	.091												
1SM13	.050												
1SM14	.091												