

Ouver D. Krigazev, Jr. Vice Resident Nuclear Operations

September 16, 1988

U. S. Nuclear Regulatory Commission Mail Station P1-137 Washington, D. C. 20555

Attention: Document Control Desk

Gentlemen:

SUBJECT: Grand Gulf Nuclear Station

Unit 1

Cocket No. 50-416 License No. NPF-29

Inservice Inspection Reports

AECM-88/0182

In a telephone conversation with L. L. Kintner of the NRC staff on August 18, 1988, changes and additions to the Inservice Inspection (ISI) Summary Reports were discussed.

The attached NIS-2 Summary Reports are revisions to the ISI Summary Report for refueling outage 2 (NIS-1-00006, AECM-88/0065 dated April 5, 1988) and the ISI Summary Report for refueling outage 1 (NIS-1-00005, AECM 87/0076 dated April 8, 1987)

The attached NIS-2 Summary Reports include the following:

- o NIS-2-00178, Revision 1 corrects the valve disc material documentation and supersedes Revision 0 of the same document originally included in Report Number NIS-1-00005 (AECM-87/0076 dated April 8, 1987)
- o NIS-2-00200, Revision 1 clarifies the location of a weld repair and supersedes Revision 0 of the same document originally included in Report Number NIS-1-00006 (AECM-88/0065 dated April 5, 1988)
- o NIS-2-00202 documents Recirculation Pump Seal Cartridge replacements during the second refueling outage and should be included in Report Number NIS-1-00006 (AECM-88/0065 dated April 5, 1988)
- o NIS-2-00203 documents all roal cartridge replacements before the second refueling outage and should be included in Report Number NIS-1-00006 (AECM-88/0065 dated April 5, 1988)

8809200060 880916 PDR ADOCK 05000416 If additional information is needed, please contact this office.

Yours truly,

ODK:ctp Attachment

cc: (See Next Page)

cc: Mr. T. H. Cloninger (w/a)
Mr. R. B. McGehee (w/a)
Mr. N. S. Reynolds (w/a)
Mr. H. L. Thomas (w/o)
Mr. J. L. Mathis (w/a)

Dr. J. Nelson Grace, Regional Administrator (w/a) U. S. Nuclear Regulatory Commission Region II
101 Marietta St., N. W., Suite 2900 Atlanta, Georgia 30323

Mr. L. L. Kintner, Project Manager (w/a)
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Mail Stop 14B20
Washington, D.C. 20555

UNIT: 1



MISSISSIPPI OWERBLIGHT GRAND GULF NUCLEAR STATION

NIS-2 FORM REPAIR AND REPLACEMENT SUMMORY REPORT

NIS-2	00178	REV.1
PAGE _	_ of	2

OWNER MISSISSIPPI POWER AND LIGHT ELECTRIC BLOG PO BOX 1640

JACKSON, MS 39205

PLANT MISSISSIPPI POWER AND LIGHT GRAND GULF NUCLEAR STATION P.O BOX 756 PORT GIBSON, MS. 30130

N/A NATIONAL BOARD NO .. COMMERCIAL OPERATING DATE: 7-1-85

REMOVED & REPLACED

COMPONENT INFORMATION: (Include all applicable information and indicate whether installed, removed or modified) a)name b)size a)capacity d)class e)material f) MPBL No. g)drawings h)location i)manufacturer's name j) manufacturers address k) manufacturers 1.0 no. 1) National Board No.

 MCDIFIED & REPAIRED: a)SWING CHECK VALVES b)24" N.P.S. c)900# d)1 e)CARBON STEEL SA352 GR.LCB f)Q1B21F032A, F032B q)9645-M-A242.2-Q1-1.2-4 REV. A h)AUX. SLOG. AREA 8. STEAM TUNNEL, EL. 139' i)ATWOOD & 1) SALEM, MA. MORRILL CO., INC. k)-F032A : S/N 10-13615 ; -F032B : S/N 11-13615 1)N/A

(CONTINUED ON PAGE 2)

ABSTRACT OF REPAIRS/REPLACEMENTS/MODIFICATIONS: (Include types and completion dates of tests, examinglions, work completed, and corrective measures taken or recommended)

MODIFICATION, REPAIR & REPLACEMENTS: THE FEEDWATER CHECK VALVE DISCS WERE REPLACED WITH MODIFIED DUAL SEATED DISCS, WHICH CONSIST OF THE EXISTING HARD SURFACED SEATS SUPPLEMENTED BY THE ADDITION OF RESILIENT SOFT SEATS, TO IMPROVE THE SEALING ABILITY OF THE VALVES. THE STUFFING BOX FLANGES OF BOTH VALVES WERE MACHINED TO REMOVE ERODED AREAS AND THE EXISTING DOWEL PIN HOLES OF THE -FO32B VAL'E WERE REDRILLED TO REALIGN THE PIN HOLLS FOR INSTALLATION OF THE NEW DISC. THE FOLLOWING TESTS AND EXAMINATIONS WERE PERFORMED.

VT-1) EXAMINATION ON -F032A VALVE'S BEARING COVER STUDS & NUTS FOR INSERVICE EXAMINATION: 11/18/86

VT-3) EXAMINATION ON BOTH VALVES' INTERNALS FOR INSERVICE E/AMINATION: -F032A: 11/18/86, -F032B: 11/8/86

(CONTINUED ON PAGE 2)

certify ingi the statements made in this to the rules of the ASME Section XI MECH. MAINT. DATE: REU. 1 -6/10/88 Owner Representative

REV.1

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel inspectors

and/or the State or Province of MISSISSIPPI and employed by KEMPER GROUP of LONG GROVE. have inspected or verified by supporting documentation the components described in this summary report and state that to the best of my knowledge and belief, the Owner or their agent has cerformed examinations and taxen corrective measures described in this summary report in accordance with the equirements of the ASME Code . Section XI. By signing this certificate neither the inspector nor his employer maxe any warranty expressed or imfilled, concurning the examinations and corrective measures described in the summary report. Futhermore, neither the inspector norms employer shall be liable in any manner for any personal injury or property damage or a loss of any king trains from or connected with this inspection.

afrield	Signature Smeld R. Bin	3-30-87	Commissions	M5.600	
inspectors	Signature Smeld P. Bin	in 6-13-88 Ms 600	National Boar	d, State, Province	and Nos

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MISSISSIPPI POWER BLIGHT GRAND GULF NUCLEAR STATION

NIS-2 FORM REPAIR AND REPLACEMENT SUMMARY REPORT SUPPLEMENTAL SHEET

NIS-2	0	01	78	REV	. 1
PAGE_	-				

OWNER:
MISSISSIPPI POWER AND LIGHT
LLECTATO BLDG.
PO. BOX 1640
JACKSON, MS 39205

PLANT:
MISSISSIPPI POWER AND LIGHT
GRAND GULF NUCLEAR STATION
PO BOX 756
PORT GIBSON, MS. 39150

COMMERCIAL
OPERATING
DATE: 7-1-85

-	COMPONENT INFORMATION: (CONTINUED FROM PAGE 1)
_	2. REPAIRED: a)STUFFING BOXES b-h)SAME AS ITEM 1 1)QUAKER ALLOY CASTIN
	CO. 1)MYERSTOWN, PA. k)F032A : HT.# F3017-6 & F3017-7 ; -F032B : HT#
-	F3017-5 & F3017-8 1)N/A
	3. MODIFIED & INSTALLED: a) VALVE DISCS (DUAL SEATED) h-h)SAME AS ITEM 1
6.8.88	+, j) SAME AS ITEM 2 k)-F032A : S/N 2-13615 ; -F0328 : S/N 1-30934 1)N/A
	4. REMOVED: a) VALVE DISCS b-h) SARE AS ITEM 1 1,1) SAME AS ITEM 2
	k)-F032A : S/N 10-13615, HT# F2774-6 ; -F032B : S/N 1-20566, HT# F3867-1
-	5.) REPLACED: a)STUFFING BOX STUDS (2 ea.) b)7/8"-9x4" TFL c)N/A
-	d)1 e)CARBON STEEL SA193 GR.B7 f)Q1B21F032B q.h)SAME AS ITEM 1
-	i)TEXAS BOLT CO. j)HOUSTON, TX. k)HT# LA-80 1)N/A
-	ADSTRACT OF SPANNS (ADDITION TO SEAL OF STANDARD
	ABSTRACT OF KEPAIRS: (CONTINUED FROM PAGE 1)
	SYSTEM HYDROSTATIC TEST AND VISUAL (VT-2) EXAMINATION: -F032A : 11/24/86
-	-F032B : 11/14/86
	OCAL LEAK RATE TEST : -F032A : 11/22/86, -F032B : 11/11/85
	OPERATIONAL SURVEILLANCE TEST: -F032A : 1/9/87, -F032B : 11/19/86
	WORK COMPLETED UNDER MAINTENANCE WORK ORDER M66830 AND MODIFICATION WORK PERMITS 86/1010 AND 86/1011 : 11/25/86
	MATERIAL NONCONFORMANCE REPORT 0120-87 DOCUMENTS FAILURE TO
	145-88 DOCUMENTS THE INCORRECT
	145-88 DOCUMENTS THE INCORRECT ORIGINAL DESCRIPTION FOR THE -F032B
	E DISC.
-	. MODIFIED & INSTALLED: a) VALVE DISCS (DUAL SEATED) b.c.d) SAME AS ITEM
7000	e)-F032A: CARBON STEEL SA352 GR.LCB; -F032B: STAINLESS STEEL SA351 CF8M
-	f,g,h)SAME AS ITEM 1 i,j)SAME AS ITEM 2 k)-F0324:S/N 2-13615 HT#13615

-F032B:S/N 1-30934, HT#348085

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REV.1

REV.1

NIS-2 SUMMARY REPORT FOR REPAIRS/REPLACEMENTS

NIS-2 NO. 00200 REV. 1 CORRECTED COPY

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BSTRACT

INFORMAT

COMPONENT

SYSTEM ENERGY RESOURCES, INC. ONE JACKSON PLACE PO. BOX 23070 JACKSON, MS 39225-3070

PLANT

SYSTEM ENERGY RESOURCES, INC. GRAND GULF NUCLE STATION PO. BOX 756 PORT GIBSON, MS. 39150

UNIT ONE

COMMERCIAL OPERATION DATE: JULY 1, 1985

ABSTRACT OF REPAIRS/REPLACEMENTS/MODIFICATIONS: (Include types and completion dates of tests, examingtions, work completed, and corrective measures taken or recommended.)

REPAIRS/REPLACEMENTS: THE OUTBOARD FEEDWATER LINE A CHECK VALVE HAD DEVELOPED

A STEAM LEAK AT THE GASKET SEALING SURFACE BETWEEN THE BODY AND ONE OF THE TWO FLANGED STUFFING BOXES. A VARIETY OF TEMPORARY MEASURES WERE TRIED IN ATTEMPTING TO STOP OR CONTROL THE LEAKAGE UNTIL PERMANENT REPAIRS COULD BE PERFORMED DURING REFUELING OUTAGE NO. 2 (RFO2). THE FOLLOWING TEMPORARY

ACTIONS WERE PERFORMED:

- HALF OF THE FLANGE HEX NUTS WERE REPLACED WITH PROPRIETARY CAP NUTS THROUGH WHICH A PROPRIETARY LEAK SEALING COMPOUND WAS INJECTED UNDER MAINTENANCE WORK ORDER (MWO) NO. M73266.
- PROPRIETARY INJECTION RINGS WERE INSERTED BETWEEN THE FLANGE AND NUTS ON ALL 8 FLANGE STUDS UNDER MWO NO. M73399 THROUGH WHICH OTHER PROPRIETARY LEAK SEALING COMPOUNDS WERE INJECTED. (CONTINUED ON PAGE 2)

COMPONENT INFORMATION: (Include all applicable information and indicate whether Opaired, replaced or etc.) niname bisize c)capacity diclass e)material f)MPL No. g)drawings h)tocation i)manufacturer's name]) manufacturer's address k) manufacturer's 1.0. no. 1) National Board No.

e) BODY: c)900 LB. d)1 b)24" N.P.S. a) SWING CHECK VALVE REPAIRED: g) A&M DWG. 13615-01-H. CARBON STEEL, GA-352, GR. LCB f)Q1B21F032A

REV. 6 (9645-M-A242.2-Q1-1.2-4, REV. 8) h)AUX. BLDG. STEAM TUNNEL,

k)S/N 1) ATWOOD & MORRILL CO., INC. 1) SALEM, MA AREA 8, EL. 139'

1-13615 1) N/A

(CONTINUED ON PAGE 3)

We certify that the statements made in this geoort are concern to the rules of the ASME Section TI Signed .. Owner Representative

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors

and/or the State or Providence of Mississippiand employed by Kemper Group of Long Grove, ILL have inspected or verifed by supporting documentation the components described in this summary report and state that to the best of my knowledge and belief, the Owner or their agent has performed examinations and taken corrective measures described in this summary report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer make any warranty expressed or implied, concerning the examinations or 3 corrective measures described in the summary report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property Jamage or a loss of any kind drising from or connected with this inspection.

Inspector's Signature

Date 3-10-88 commissions MS60

National Board, State, Province and Nos.

AUTHORIZED INSPECTOR



NIS-2 SUMMARY REPORT FOR REPAIRS/REPLACEMENTS SUPPLEMENTAL SHEET

NIS-2 NO. 00200 REV.1 CORRECTED COPY



OWNER: SYSTEM ENERGY RESOURCES INC. ONE JACKSON PLACE

ONE JACKSON PLACE PO. BOX 23070 JACKSON, MS 39225-3070

WORK COMPLETED: 8/5/87

PLANT: SYSTEM ENCRGY RESOURCES INC. GRAND GULF NUCLEAR STATION FO. BOX 756 UNIT: ONE COMMERCIAL OPERATION DATE: JULY 1, 1985

PORT GIBSON, MS 39150 ABSTRACT OF REPAIRS/REPLACEMENTS (CONTINUED FROM PAGE 1) (3) TWO EMPTY EXISTING DOWEL PIN HOLES IN THE STUFFING BOX FLANGE WERE THREADED FOR PROPRIETARY INJECTION FITTINGS THROUGH WHICH PROPRIETARY LEAK SEALING COMECUND WAS INJECTED UNDER MNO NO. M73963 (4) PORTIONS OF THE STUFFING BOX FLANGE EDGE WERE PEENED IN ATTEMPTS TO BLOCK AND SEAL THE STEAM LEAK UNDER MWO NO. M74031 THE ABOVE ACTIONS SIGNIFICANTLY REDUCED THE LEAKAGE BUT DID NOT STOP IT. DURING REOZ THE VALVE WAS DISASSEMBLED AND THE SEALING COMPOUND RESIDUE WAS REMOVED. THE STEAM CUT WAS FOUND TO BE ON THE VALVE BODY. STEAM CUT AREA WAS WELD REPAIRED AND MACHINED TO THE ORIGINAL DIMENSIONS AND A NEW GASKET GROOVE WAS CUT. THE PEENED AREAS ON THE STUFFING BOX FLANGE WERE MECHANICALLY BLENDED INTO THE SURROUNDING AREAS. THE INNER EDGE OF THE STUFFING BOX SHAFT SLEEVE WAS MACHINED TO PROVIDE PROPER CLEARANCE BETWEEN THE VALVE DISC SLEEVE AND THE STUFFING BOX SLEEVES. THIS WORK WAS COMPLETED UNDER MWC NO. M73383. THE FOLLOWING TESTS AND EXAMINATIONS WERE PERFORMED UNDER THE MAINTENANCE WORK ORDERS IDENTIFIED BELOW: MWO# M73266 VISUAL (VT-1) EXAMINATION ON CAP NUTS: 7/1/87 SYSTEM LEAKAGE TEST AND VISUAL (VT-2) EXAMINATION: WORK COMPLETED: 7/3/87 MWO# M73399 VISUAL (VT-1) EXAMINATION ON STUDS, NUTS AND INJECTION RINGS: 7/10/87 SYSTEM LEAKAGE TEST AND VISUAL (VT-2) EXAMINATION: 7/11/87 WORK CUMPLETED: 7/20/87 MWO# M73963 NO SECTION XI TESTS OR EXAMINATIONS WERE REQUIRED.

PP. FMFNTAL INFORMATION

REV.1



NIS-2 SUMMARY ICPORT FOR REPAIRS/REPLACEMENTS SUPPLEMENTAL SHEET

NIS-2 NO. __ QOZOO REV.1 CORRECTEU COPY



OWNER:

SYSTEM ENERGY RESOURCES INC. ONE JACKSON PLACE PO. BOX 23070 JACKSON, MS 39225-3070 SYSTEM ENERGY RESOURCES INC. GRAND GULF NUCLEAR STATION PO. BOX 756 PORT GIBSON, MS 39150 UNIT: ONE COMMERCIAL OPERATION DATE: JULY 1, 1985

ABSTRACT OF REPAIRS/REPLACEMENTS (CONTINUED FROM PAGE 2)

MWO# M74031

NO SECTION XI TESTS OR EXAMINATIONS WERE REQUIRED.

WORK COMPLETED: 10/16/37

ORIGINAL

MWO# M7338?

VISUAL (YE-1) EXAMINATION OF AREA TO BE WELD REPAIRED PRIOR TO MACHINING:

11/28/87

MAGNETIC PARTICLE EXAMINATION OF WELD PREP AREA PRIOR TO WELDING: 11/30/87

MAGNETIC PARTICLE EXAMINATION OF WELD BUILT UP AREA PRIOR TO MACHINING:

11/30/87

MAGNETIC PARTICLE EXAMINATION OF WELD REPAIRED AREA AFTER FINAL MACHINING:

11/30/87

VISUAL (VT-1) EXAMINATION ON REPLACEMENT STUDS AND NUTS: 12/2/87

VALVE LEAK RATE TEST: 12/4/87

VALVE EXERCISING (STROKE) TEST: 12/17/87

SYSTEM LEAKAGE TEST AND VISUAL (VT-2) EXAMINATION: 1/5/88

WORK COMPLETED: 1/5/88

COMPONENT INFORMATION (CONTINUED FROM PAGE 1)

2. REPAIRED: a)STUFFING BOX b,c)N/A d)1 e)SA-352, GR. LCB

f,q,h)SAME AS ITEM 1 ABOVE i)QUAKER ALLOY CASTING CO.

1) MYERSTOWN, PA k) S/N 1-13615 1) N/A

3. INSTALLED (UNDER MWO# M73266) / REMOVED (UNDER MWO# M73399):

a)CAP NUTS (6) b)7/8"-9UNC-2B c)N/A d)1 e)SA-194.

GR. 2H f,g,h) SAME AS ITEM 1 ABOVE i) SOUTHERN BOLT & FASTENER

CORP. J)SHREVEPORT, LA k)HT#91974, TRACE CODE NO. 5 2HB

A02135-C-4 14655 1)N/A

(CONTINUED ON PAGE 4)

UPPLEMENTAL INFORMATION



NIS-2 SUMMARY REPORT FOR REPAIRS/REF . ACEMENTS SUPPLEMENTAL SHEET

NIS-2 NO. __ OCZOO REV.1 CORRECTED COPY



OWNER:

SUPPLEMENTAL INFORMATION

SYSTEM ENERGY RESOURCES INC. ONE JACKSON PLACE PO. BOX 23070 PLANT: SYSTEM ENERGY RESOURCES INC. GRAND GULF NUCLEAR STATION PO. BOX 756 PORT GIRSON MS 39150

UNIT: ONE COMMERCIAL OPERATION DATE: JULY 1, 1985

4. INSTALLE	ED (UNDER MWO#M7:	3399) / REMOVED (UN	DER MWO #M73383):
		The state of the s) SAME AS ITEM 1 ABOVE
		USTON, TX 1)N/A	
a) NAME	b) SIZE	e) MATERIAL	k) MFGR'S ID. NO
STUDS (2)	7/8"x4 1/2"	SA-193,GR.87	HT#72649, TRACE #LA78
STUDS (3)	7/8"x5"	SA-193, CR. B7	HT#72649, TRACE #LA76
NUTS (5)	7/8"	SA-194,GR.2H	HT#Y34525, TRACE# JB58
. INSTALLE	D (UNDER MWO# M7	73383): a,b,e,k)SE	EE TABLE BELOW
		AS ITEM 1 ABOVE	
ABOVE	1)N/A		
) NAME	b) SIZE	e) MATERIAL	k) MFGR'S I.D. NO.
STUDS (6)	7/8"4 1/2"	SA-193, GR.87	HT#72649, TRACE #LA78
NUTS (12)	7/8"	SA-194, GR.2H	HT#Y34525, TRACE #J858
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	UMIUI.	VAL: 3	ORIGINA
)			
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NIS-2 SUMMARY REPORT FOR REPAIRS/REPLACEMENTS

NIS-2 NO. _ 00202



OF

RACT

INFORMAT

ONENT

SYSTEM ENERGY RESOURCES, INC. ONE JACKSON PLACE PO. BOX 23070 JACKSON, MS 39225-3070

SYSTEM ENERGY RESOURCES, INC. GRAND GULF NUCLEAR STATION PO. BOX 756 PORT GIBSON, MS. 39150

UNIT ONE COMMERCIAL OPERATION DATE: JULY 1, 1985

ARSTRACT OF REPAIRS/REPLACEMENTS/MODIFICATIONS: (Include types and compistion dates of tests, exam-Ingilions, work completed, and corrective measures taken or recommended.)

REPLACEMENT: THE SEAL CARTRIDGE ASSEMBLY FOR THE REACTOR RECIRCULATION PUMP-B VAS REPLACED WITH A REBUILT SPARE AS PREVENTIVE MAINTENANCE.

THE FOLLOWING TEST AND EXAMINATION WERE PERFORMED:

SYSTEM LEAKAGE TEST AND VT-2 EXAMINATION: 1/13/88

WORK COMPLETED: 1/13/88

MAINTENANCE WORK ORDER: M73702

QUALITY DEFICIENCY REPORT (QDR) NO. 142-88 WAS WRITTEN TO DOCUMENT FAILURE TO PREPARE THIS NIS-2 SUMMARY REPORT AND INCLUDE IT WITH REFUELING OUTAGE NO. 2 ISI SUMMARY REPORT. SEE QDR 142-88 FOR DETAILS AND OTHER CORRECTIVE ACTIONS.

COMPONENT INFORMATION: (include all applicable information and indicate whether repaired, replaced or etc.) a)name b)size c)capacity d)class e)material f)MPL No. g)drawings h)location i)manufacturer's name j) manufacturer's address k) manufacturer's I.D. no. I) National Board No.

REMOVED: a) SEAL CARTRIDGE ASSEMBLY b) PUMP: 24" N.P.S. c) N/A d)1

e)SEAL FLANGE: SA-351 GR. CF8M f)Q1B33C001B g)V/M DWG. #IE-3817

h)CTMT., DRYWELL, EL. 93' i)BYRON JACKSON PUMP DIVISION (BORG-WARNER

CORP.) j)LOS ANGELES, CA, k)S/N 741-S-1279 1)N/A

INSTALLED: a-j)SAME AS ABOVE k)S/N 741-S-1277 1)N/A

We certify that the statements made in this poport are correct and conform to the rules of the ASME Section XI. Date: 7/15/88 O_ TIME MECH. MAINT. SUPT.

Owner Representative

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors

and/or the State or Providence of MISSISSIPPI and employed by KEMPER GROUP of LONG GROVE, IL. have inspected or verifed by supporting documentation the components described in this summary report and state that to the best of my knowledge and belief, the Owner or their agent has performed examinations and taken corrective measures described in this summary report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neith, the inspector nor his employer make any warranty expressed or implied, concerning the examinations and corrective measures described in the summary report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

inspector's Signature

Birins Doto 7-15-88 commissions MS. 600 National Board, State, Province and Nos

INSPECTOR HORIZED AUT



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NIS-2 SLAMLARY REPORT FOR REPAIRS/REPLACEMENTS



SYSTEM ENERGY RESOURCES, INC. ONE JACKSON PLACE PO. BOX 23070 JACKSON, MS 39225-3070

SYSTEM ENERGY RESOURCES, INC. GRAND GULF NUCLEAR STATION PO. BOX 756 PORT GIBSON, MS. 39150

NIS-2 NO. __

UNIT ONE COMMERCIAL OPERATION DATE: JULY 1, 1985

ABSTRACT OF REPAIRS/REPLACEMENTS/MODIFICATIONS: (Include types and completion dates of tests, examinations, work completed, and correctly a measures taken or recommended.)

REPLACEMENTS: THE SEAL CARTRIDGE ASSEMBLIES FOR THE REACTOR RECIRCULATION PUMPS HAVE BEEN REPLACED BY REBUILT SEAL CARTRIDGE ASSEMBLIES DUE TO SEAL LEAKAGE OR FOR OTHER REASONS AS DETAILED IN THE TABLE ON PAGE 2. THE SEAL CARTRIDGE ASSEMBLY CONSISTS OF (4) PRESSURE RETAINING PARTS: THE SEAL FLANGE, INNER PIECE-SECONDARY SEAL, SPLIT RING AND PLUG. THE REBUILDING CONSISTS OF DISASSEMBLING AND CLEANING THE SEAL CARTRIDGE ASSEMBLY, TAKING MEASUREMENTS AND RECORDING DIMENSIONS, REPLACING USED PARTS AND REASSEMBLING THE SEAL CARTRIDGE ASSEMBLY.

(CONTINUED ON PAGE 2)



COMPONENT INFORMATION: (Include all applicable information and indicate whether repaired, replaced or etc.) a)name b)size c)capacity d)class e)material f)MPL No. g)drawings h)location i)manufacturer's name i) manufacturer's address k) manufacturer's 1.0. no. 1) National Board No.

 COMPONENT: a) REACTOR RECIRCULATION PUMPS (A&B) b) 24x24x35 c) N/A d)1 e)PuMP CASE: SA-351 GR. CF8M f)Q1B33C001A&B g)BYRON JACKSON DWG. #IF-7836 REV. D h)CTMT., DRYWELL, EL. 93' 1)BYRON JACKSON PUMP DIVISION (BORG-WARNER CORP.) j)LOS ANGELES, CA. k)Q1B33C001A: S/N 714. S-1276; Q1B33C001B: S/N 714-S-1277 1)N/A

(CONTINUED ON PAGE 4)

We certify that the statements made in this poort are correct and conform to the rules of the ASME Section II. 193 Date _ \$/39/68 Owner Representative

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors

and/or the State or Providence of MISSISSIPPIand employed by KEMPER GROUP of LONG GROVE, II. have inspected or verifed by supporting documentation the composents described in this summary report and state that to the best of my knowledge and belief, the Owner or their agent has performed examinations and taken corrective measures described in this summar; report in accordance with the requirements of the ASME Code, Section II. By signing this certificate neither the inspector nor his employer make any warranty expressed or implied, concerning the examinations and corrective measures described in the summary report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Settled Y. Bevins Date 8-29.88 commissions MS. 600 Inspector's Signature

National Board, State, Province and Nos.

HORIZED



NIS-2 SUMMARY REPORT FOR REPAIRS/REPLACEMENTS SUPPLEMENTAL SHEET NIS-2 NO. __00203



OWNER

SYSTEM ENERGY RESOURCES INC. ONE JACKSON PLACE PO. BOX 23070 JACKSON, MS 39225-3070 PLANT:

SYSTEM ENERGY RESOURCES INC. GRAND GULF NUCLEAR STATION PO. BOX 756 PORT GIBSON, MS 39150 UNIT

COMMERCIAL OPERATION DATE:

ABSTRACT OR REPAIRS/REPLACEMENTS/MODIFICATIONS:

(CONTINUED FROM PAGE 1)

MAINTENANCE	PUMP NO.		DATE WORK
WORK ORDER	(Q1833~)	REASON FOR REPLACEMENT	COMPLETED
812099	C001B	FOUND DEBRIS, SEAL DAMAGED	10-14-81
M23231	C001A	SEAL LEAKED	5-26-82
M2B333	C001A	SEAL LEAKOFF LINE PLUGGED	3-26-84
M28645	C001B	PREVENTIVE MAINTENANCE	3-26-84
M60544	C0018	SEAL FAILURE	2-18-86
M61952	C001A	SEAL LEAKED	4-14-86
M73702	C001B	(SEE NIS-2 #00202)	ALL THE SALE

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MAINTENANCE	SEAL CARTRIDGE ASSY.	SEAL CARTRIDGE ASSY.
WORK ORDER	S/N REMOVED/DATE	S/N INSTALLED/DATE
H23231	741-S-1276/4-23-82	741-S-127º '4-23-82
M2B333	741-S-1279/11-2-82	741-S-127b/6-4-83
M61952	741-S-1276/4-8-86	813-S-6777-2/4-9-86
M67046	813-S-6777-2/10-27-86	REINSTALLED/11-1-86 (SEE NIS-2
		*00185)

Q1B33C001B HISTORY:

diponente ut	210111	
MAINTENANCE	SEAL CARTRIDGE ASSY.	SEAL CARTRIDGE ASSY.
WORK ORDER	S/N REMOVED/DATE	S/N INSTALLED/DATE
812099	741-S-1277/10-13-81	741-5-1278/10-13-81
M28645	741-S-1278/5-15-83	741-5-1277/5-28-83
M60544	741-S-1277/2-14-86	741-S-1279/2-14-86
M651 5	741-S-1279/10-12-86	REINSTALLED/10-20-86 (SEE NIS-2
		#00183)
M73702	741-5-1279/12-9-87	741-S-1277/12-10-87 (SEE NIS-2
		#00202)

(CONTINUED ON PAGE 3)



SUPPLEMENTAL INFORMATION



NIS-2 SUMMARY REPORT FOR REPAIRS/REPLACEMENTS

SUPPLEMENTAL SHEET NIS-2 NO. .



OWNER

SYSTEM ENERGY RESOURCES INC. ONE JACKSON PLACE PO. 30X 23070 JACKSON, MS 39225-3070

PLANT SYSTEM ENERGY RESOURCES INC. GRAND GULF NUCLEAR STATION

PO. BOX 756 PORT GIBSON, MS 39150 UNIT ONE COMMERCIAL OPERATION DATE: JULY 1, 1985

ABSTRACT OF R	EPAIRS/REPLACEMENTS/MODIFICA	TIONS: (CONTINUED FROM PAGE 2)
CEAL CARTRIDA	- ACCOUNT ACC CONTINUE	ODICINA
Committee of the second second second second	E ASSEMBLIES REBUILT:	AVITAINA
MAINTENANCE WORK ORDER	SEAL CARTRIDGE ASSY.	12 1 M 20
	S/N REBUILT/DATE	COMMENTS
M23998	741-S-1276/4-30-82	SENT TO WAREHOUSE 4-30-82
M2B333	741-5-1279/11-12-82	SENT TO WAREHOUSE 11-18-82
M35969	741-S-1276/6-3-83	INSTALLED UNDER M2B333
M35909	741-S-1278/11-4-83	SENT TO WAREHOUSE 11-4-83
M35910	741-S-1279/2-21-85	SENT TO WAREHOUSE 2-21-85
M60544	741-3-1279/2-5-86	INSTALLED UNDER M60544
M60544	813-5-6777-2/2-12-86	RETURNED TO WAREHOUSE 2-17-86
M65135	741-S-1279/10-16-86	REINSTALLED UNDER M65135
M67046	813-S-6777-2/10-31-86	REINSTALLED 11-1-86
M75650	741-S-1277/12-1-87	INSTALLED UNDER M73702
M82073	741-5-1279/5-2-88	RETURNED TO WAREHOUSE 5-4-88
MWO #M2B. 13, M		
SYSTEM LEAKAGE	TES: & VISUAL (VT-2) EXAMIN	ATION: 10-21-83
MWO #M60544		
VISUAL (VT-1) {	EXAMIN CN ON SEAL FLANGE C	APSCREWS (P/N 3-19): 2-14-86
SYSTEM LEAKAGE	TEST & VISUAL (VT-2) EXAMINA	ATION: 2-17-87
MWO #M61952		
The state of the s	TEST & VISUAL (VT-2) EXA 'INA	ATION: 4-11-86
MWO #M65135	MWO #M67046	MWO #M73702
SEE NIS-2 ≠0018	3 SEE NIS-2 #00185	SEE NIS-2 #00202
	(CONTINUED ON PAG	P 4)
	TOURTHUED ON PAG	E 4)



NIS-2 SUMMARY REPORT FOR REPAIRS/REPLACEMENTS SUPPLEMENTAL SHEET NIS-2 NO. __ 00203



OWNER

SYSTEM ENERGY RESOURCES INC. ONE JACKSON PLACE PO. BOX 23070

PLANT:

SYSTEM ENERGY RESOURCES INC. GRAND GULF NUCLEAR STATION PO. BOX 756

UNIT ONE COMMERCIAL OPERATION DATE : JULY 1, 1985

JACKSON, MS 39225-3070 PORT GIBSON, MS 39150 ABSTRACT OF REPAIRS/REPLACEMENTS/MODIFICATIONS: (CONTINUED FROM PAGE 3) THIS NIS-2 REPORT WAS INITIATED AS A CORRECTIVE ACTION UNDER QUALITY DEFICIENCY REPORT (QDR) NO. 142-88. SEE QDR 142-88 FOR DETAILS AND OTHER CORRECTIVE ACTIONS. COMPONENT INFORMATION: (CONTINUED FROM PAGE 1) 2. REPLACEMENTS: a) SEAL CARTRIDGE ASSEMBLY b) PUMP: 24" NPS c) N/A d)1 e)SEAL FLANGE: SA-351 GR. CF8 f)Q1B33C001A&B g)BYRON JACKSON DWG. NO. IE-3817 REV. A h)CTMT., DRYWELL, EL. 93' 1)BYRON JACKSON PUMP DIVISION (BORG-WARNER CORP.) j)LOS ANGELES, CA. k)S/N 741-S-1276, -1277, -1278, -1279 (ORIGINAL PART OF SAME S/N RECIRC. PUMPS AS RECEIVED FROM MFR.), 813-S-6777-1, -2 (P. O. M60878) 1)N/A INFORMAT SUPPLEMENTAL