Entergy

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Rick J. King
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December 21, 1999

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555

Subject: River Bend Station - Unit 1
Docket No. 50-458
License No. NPF-47
Additional Information
License Amendment Request (LAR) 1999-31, "Heavy Load Exception to Allow Movement of Spent Fuel Pool Gates to Replace Gate Seal"

Reference: RBG-45204, License Amendment Request (LAR) 1999-31, "Heavy Load Exception to Allow Movement of Spent Fuel Pool Gates to Replace Gate Seal," dated December 16, 1999

File Nos.: G9.5, G9.42

RBF1-99-0341
RBG-45207

Ladies and Gentlemen:

In the referenced letter, EOI requested NRC approval of a License Amendment Request and asked that NRC consider exigent circumstances associated with the request. The basis for consideration of exigent circumstances relates to the impact that a delay in performing the associated activity (i.e., the heavy load movement) would have on upcoming Refueling Outage 9, scheduled to begin March 4, 2000. Such delays could impact resumption of power from the refueling outage.

Additional information on the schedule of activities that must occur prior to the refueling outage to assure reliability of the River Bend Station fuel handling equipment during the outage are provided herein. Enclosed is a copy of the projected schedule for replacement of the inclined fuel transfer system (IFTS) pool gate seal, as discussed in the referenced letter. This does not account for accelerating the schedule, which could be accomplished if NRC approval is not received by January 10, 2000. However, neither does the schedule account for any contingencies associated with potential delays in conducting the planned work. For example, the work on the IFTS bottom valve does not account for removing the 24-inch valve if the work cannot be accomplished with the valve installed. Such an activity could extend the schedule by several additional days.

A001 1/1

PDR ADOCK 05000458

Contingency plans that could accelerate the work activities, should it become necessary, include such options as implementing a 12-hour schedule for the maintenance crews, and implementing a 24-hour work schedule with separate crews or by using outside resources. However, during the time period that much of the work is being performed, new fuel receipt will also be ongoing in the fueling handling building and preparations for fuel movement will be conducted. Coordination of these activities will be a challenge and could cause additional unplanned delays in managing equipment use and manpower resources. A copy of the most recent new fuel receipt work schedule is enclosed, showing the eight shipments of fuel over a four-week period.

Also enclosed is a refueling floor preliminary schedule for fuel handling activites to be conducted during the refueling outage. Pre-outage preparations are not shown on the schedule, but are planned for several weeks before the outage, as resources can be coordinated with the other emerging activities for replacing the IFTS pool gate seal. Pre-outage activities include staging equipment, material, and tools to support the refueling activities.

No commitments are contained in this letter, and all information is subject to change and, as such, is provided for information only. If you have any questions, please contact Mr. Joseph W. Leavines at (225) 381-4642.

Sincerely,

William J Trudell

FOR RJK/JWL

Enclosure

cc: (w/encl.)

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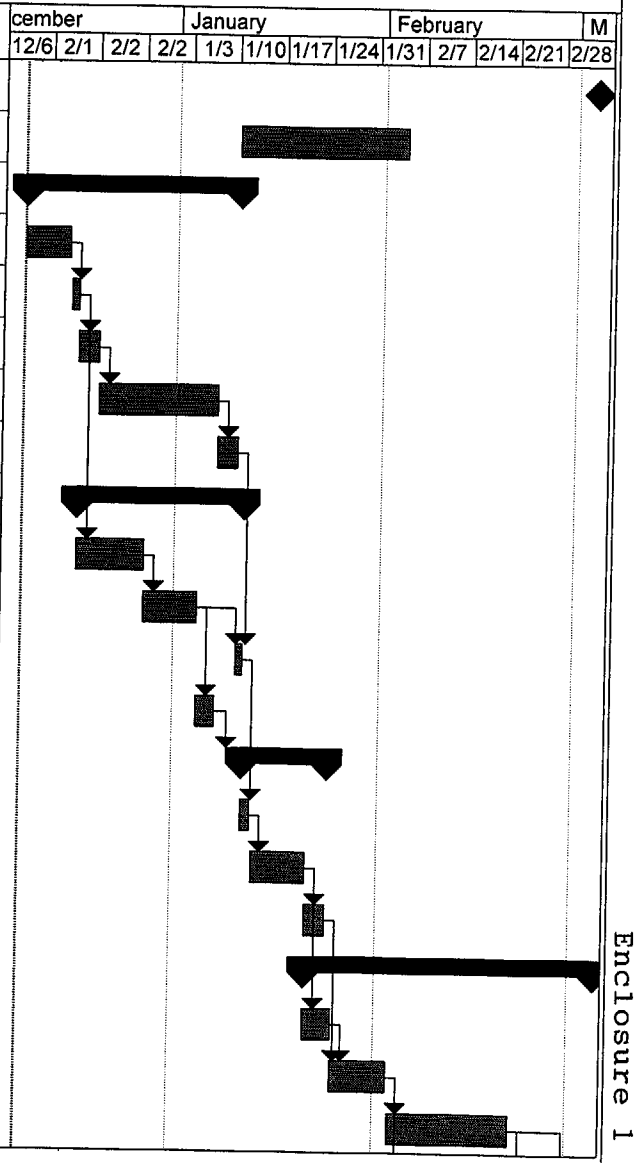
River Bend Station
Pre-RF09 Lower IFTS Pool Work

ID		Task Name	Duration	Start	Finish	Predecessors
1		RF09 Starts	1 day	3/4/2000	3/4/2000	
2		New fuel receipt	15.4 days	1/10/2000	2/4/2000	
3		**License Amendment to lift IFTS gate**	**18 days**	**12/9/1999**	**1/10/2000**	
4		Prepare License Amendment Request	4 days	12/9/1999	12/15/1999	
5		FRC/SRC review of LAR	1 day	12/16/1999	12/17/1999	4
6		Submit LAR to NRC	1 day	12/17/1999	12/20/1999	5
7		NRC review of LAR	11 days	12/20/1999	1/7/2000	6
8		Receive License Amendment	1 day	1/7/2000	1/10/2000	7
9		**Prepare to replace IFTS gate seal**	**14 days**	**12/17/1999**	**1/11/2000**	
10		Prepare ER lifting instructions	5 days	12/17/1999	12/27/1999	5
11		Revise lifting procedure	5 days	12/27/1999	1/4/2000	10
12		Issue revised lifting procedure	1 day	1/10/2000	1/11/2000	11,8
13		Stage to remove IFTS gate	2 days	1/4/2000	1/7/2000	11
14		**Replace IFTS gate seal**	**7 days**	**1/11/2000**	**1/24/2000**	**13**
15		Remove IFTS gate from SFP	1 day	1/11/2000	1/12/2000	12
16		Replace IFTS gate seal	5 days	1/13/2000	1/21/2000	15
17		Reinstall IFTS gate	1 day	1/21/2000	1/24/2000	16
18		**Rework equipment in IFTS pool**	**27 days**	**1/21/2000**	**3/5/2000**	
19		Stage equipment to drain IFTS pool	2 days	1/21/2000	1/25/2000	16
20		Drain/decon/scaffold IFTS pool	5 days	1/25/2000	2/2/2000	19,17
21		Repair IFTS bottom valve	10 days	2/3/2000	2/21/2000	20



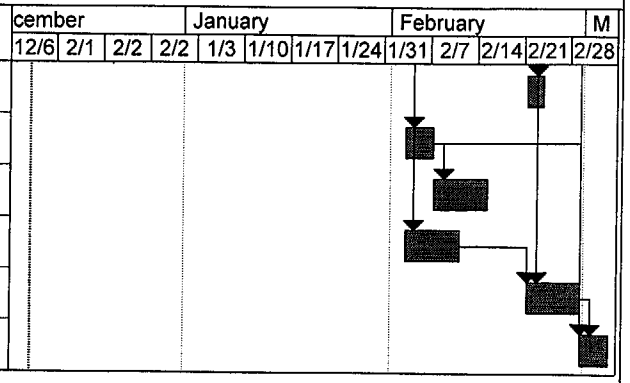
Project: IFTS gate seal
Date: 12/9/1999

Task | Split | Progress | Milestone | Summary | Rolled Up Task | Rolled Up Split | Rolled Up Milestone | Rolled Up Progress | External Tasks | Project Summary

Enclosure 1 RBG-45207

River Bend Station
Pre-RF09 Lower IFTS Pool Work

ID		Task Name	Duration	Start	Finish	Predecessors
22		Repair IFTS hydraulic leak	2 days	2/21/2000	2/23/2000	21
23		Replace proximity switch	2 days	2/3/2000	2/7/2000	20
24		Modify proximity probe target plates	5 days	2/7/2000	2/15/2000	23
25		Modify bottom valve limit switches	5 days	2/3/2000	2/11/2000	20
26		Perform IFTS preoperational testing	5 days	2/21/2000	2/29/2000	21,25
27		Remove scaffold/fill IFTS pool	5 days	2/29/2000	3/5/2000	26,23,21



Project: IFTS gate seal
Date: 12/9/1999

Task		Summary		Rolled Up Progress	
Split		Rolled Up Task		External Tasks	
Progress		Rolled Up Split		Project Summary	
Milestone		Rolled Up Milestone			

Enclosure 2 - RBG-45207
NEW FUEL RECEIPT WORK SCHEDULE
JANUARY AND FEBRUARY 2000
WORK SCHEDULE 6:30 – 5:00

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
January 16	January 17 Shipment 1 Crew GN/BC	January 18 Shipment 1 Crew GN/BC	January 19 Shipment 2 Crew GN/FW	January 20 Shipment 2 Crew GN/FW	January 21	January 22
January 23	January 24 Shipment 3 Crew GN/DD	January 25 Shipment 3 Crew GN/BC	January 26 Shipment 4 Crew GN/FW	January 27 Shipment 4 Crew GN/FW	January 28	January 29
January 30	January 31 Shipment 5 Crew GN/WH	February 1 Shipment 5 Crew GN/WH	February 2 Shipment 6 Crew GN/FW	February 3 Shipment 6 Crew GN/WH	February 4	February 5
February 6	February 7 Shipment 7 Crew GN/DD	February 8 Shipment 7 Crew GN/DD	February 9 Shipment 8 Crew GN/DD	February 10 Shipment 9 Crew GN/DD	February 11	February 12

RF9 REFUEL FLOOR PRELIMINARY SCHEDULE
VERSION 0
03DEC99 00:00

PRELIMINARY SCHEDULE
PRA: RF9.PRA

PLOT: RF9RPV0
SCHEDULER: LSTOKES

00 MAR
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
-2 -1 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 DAY

S 03MAR00 04:00 F 03MAR00 07:00
OP0550705A D= 3 TF= 264
STP-055-0705 F11-PLATE017 FIRST FUEL HANDLING PLATFORM AND OPERABILITY TEST

* * REQUIRED WITHIN 7 DAYS OF HANDLING FUEL ASSEMBLIES OR CONTROL RODS * *

7.1 MAIN HOIST LOAD TRAVEL

7.2 MAIN HOIST TRAVEL LIMIT TEST

FIRST STOP-055-0705 TEST- HOIST OPERABILITY SURVEILLANCE

S 03MAR00 05:00 F 03MAR00 10:00
SFC D= 5 TF= 9
318029 LINEUP SFC TO PUMP DOWN UPPER POOLS & CLOSE CAVITY GATE

S 03MAR00 07:00 F 05MAR00 07:00
SETUPBUNDLES D= 48 TF= 264
SETUP OF GE COIN EQUIPMENT FOR INSPECTION OF 3HGE BUNDLES

S 03MAR00 10:00 F 03MAR00 11:00
CLOSE D= 1 TF= 9
318029 CLOSE CAVITY GATE. TURN AIR ON

S 03MAR00 10:00 F 03MAR00 12:00
DISASS02 D= 2 TF= 22
318029 INSTALL SEPARATOR POOL ANTI-SIPHON PLUG

S 03MAR00 11:00 F 04MAR00 01:00
DRNDWN D= 14 TF= 9
318029 START CAVITY DRAIN DOWN (TOP 7 FT ONLY) & DECON

S 03MAR00 18:00 F 04MAR00 00:00
SDREDPWR D= 6 TF=
REDUCE REACTOR POWER TO 30%

04MAR00 00:00
MODE3 D= TF=
INSERT MANUAL SCRAM ENTER MODE 3 JUST "AFTER" MIDNIGHT

PE TO MONITOR CRD HCU VIBRATION DURING SCRAM

S 04MAR00 00:00 F 04MAR00 12:00
PLTFORM D= 12 TF= 54
318029 AUX PLATFORM CHECKOUT / PERFORM PROCEDURES FOR OPERABILITY

S 04MAR00 01:00 F 04MAR00 06:00
SD<135 D= 5 TF=
COOLDOWN REACTOR TO <135 PSIG

S 04MAR00 08:00 F 04MAR00 10:00
SD<200 D= 2 TF=
COOLDOWN REACTOR TO <200 DEGREES

04MAR00 10:00
MODE4 D= TF=
MODE 4

S 04MAR00 10:00 F 04MAR00 11:00
REMSHLD D= 1 TF= 7
327751 REMOVE LEAD SHIELDING FROM FLOOR TO CONTAINMENT 95'

S 04MAR00 10:00 F 04MAR00 14:00
EL6609RFE D= 4 TF= 32
6609 SUPPORT-PERFORM MAJOR INSPECTION TO POLAR CRANE

S 04MAR00 10:00 F 04MAR00 14:00
ME6609RFE D= 4 TF= 32
6609 PERFORM MAJOR INSPECTION TO POLAR CRANE

S 04MAR00 10:00 F 04MAR00 14:00
ME9859RRFE D= 4 TF= 12
9859 F42-TFT0001 REMOVE THE FUEL TRANSFER TUBE BLIND FLANGE

S 04MAR00 10:00 F 04MAR00 18:00
DISASS04 D= 8 TF=
318029 START RAISING VESSEL WATER LEVEL TO REACTOR FLANGE

S 04MAR00 10:00 F 04MAR00 18:00
DRNDWN1 D= 8 TF=
318029 TAGOUT & DRAIN DOWN CAVITY TO CONDENSER & DECON REACTOR CAVITY

** OE APPLICABLE **

S 04MAR00 10:00 F 04MAR00 22:00
CONTINTEG D= 12 TF= 57
ESTABLISH CONTAINMENT INTEGRITY

00 MAR

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

-2 -1 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 DAY

S 04MAR00 10:00 F 06MAR00 05:00
VSLDISASS D= 43 TF=
318029 B13-REVD003 VESSEL DISASSEM. (EXCEPT SEPARATOR) INSTALL STEAM PLUGS

DISABLE SRV'S/ADS

S 04MAR00 10:00 F 06MAR00 10:00
AVLVL<23H D= 56 TF=
RX CAVITY LEVEL < 23'

S 04MAR00 10:00 F 11MAR00 13:00
FUEL12 D= 171 TF=
318029 PERFORM IFTS TESTING & MOVE NEW FUEL INTO CONTAINMENT

S 04MAR00 10:00 F 24MAR00 13:00
OPFHP0001 D= 483 TF=
FHP-0001 FHP-0001 CONTROL OF FUEL HANDLING & REFUELING OPERATIONS

S 04MAR00 12:00 F 04MAR00 17:00
ME11003 D= 5 TF= 1
11003 DER-TK1, 2, INSTALL TEMPORARY SUMP PUMPS IN THE DRYWELL SUMPS

S 04MAR00 14:00 F 04MAR00 17:00
IFTS3 D= 3 TF= 12
318029 IFTS/SFT SWITCH & VALVE LINEUP

S 04MAR00 14:00 F 04MAR00 18:00
T0050NB D= 4 TF=
TAGOUT FOR CAVITY ENTRY RP SURVEY & DECON FLOOR

S 04MAR00 14:00 F 04MAR00 22:00
IC8242RFE D= 8 TF= 44
8242 SFT-WS152 IFTS LOAD CELL CALIBRATION CHECK

S 04MAR00 16:00 F 04MAR00 19:00
REFUELOFFICE D= 3 TF= 66
LIFT REFUEL BUILDING TO REFUEL FLOOR

S 04MAR00 16:00 F 04MAR00 22:00
T0050NA D= 6 TF=
TAGOUT FOR INSULATION FRAME REMOVAL (NOTIFY PM&C INSULATORS)

S 04MAR00 17:00 F 05MAR00 17:00
IFTS1 D= 24 TF= 12
PERFORM IFTS OPERABILITY TESTING

S 04MAR00 18:00 F 04MAR00 22:00
REMDWHD D= 4 TF=
318029 B13-REVD003 REMOVE DRYWELL HEAD

S 04MAR00 21:00 F 04MAR00 22:00
RPRXCAV D= 1 TF=
318029 B13-REVD003 SURVEY REACTOR CAVITY

04MAR00 22:00
VSLDISM D= TF=
318029 B13-REVD003 START VESSEL DISASSEMBLY

S 04MAR00 22:00 F 05MAR00 03:00
T0109N1 D= 5 TF= 28
MAIN STEAM LINE PLUG TAGOUT

S 04MAR00 22:00 F 05MAR00 04:00
OPQ500701 D= 6 TF= 25
STP-050-0701 RX VSL FLANGE TEMPERATURE LIMITS VERIFICATION

CONTACT I&C TO DISCONNECT THERMOCOUPLES

S 04MAR00 22:00 F 05MAR00 06:00
DISASS12 D= 8 TF=
318029 B13-REVD003 REMOVE HEAD INSULATION / PIPING AND FILL INNER BELLOWS

S 05MAR00 05:00 F 05MAR00 06:00
DISASS14 D= 1 TF=
318029 B13-REVD003 REACTOR CAVITY SURVEY DURING RELOCATION OF RX INSULATION PACKAGE

S 05MAR00 06:00 F 05MAR00 08:00
DISASS16 D= 2 TF=
318029 B13-REVD003 INSTALL BLIND FLANGES / CLOSE VENT COVERS IN RX CAVITY

NOTE! HAVE EXTRA 'O' RINGS

ENSURE TD AND FLOOR SUPERVISOR VERIFY O-RING IS INSTALLED CORRECTLY

S 05MAR00 06:00 F 06MAR00 06:00
IC3800RFE D= 24 TF= 487
3800 F42-PWRSD002 CALIBRATE & SUPPORT MECH-PUMP OIL & CHANGE HYDRAULIC H2O ON FUEL XFER TUBE

S 05MAR00 06:00 F 07MAR00 06:00
ME3800RFE D= 48 TF= 463
3800 F42-PWRSD002 CLEAN AND REPLACE FILTERS, FLUSH SYSTEM, INSPECT/CHANGE

PUMP OIL & CHANGE HYDRAULIC WATER ON FUEL TRANSFER TUBE HYDRAULIC POWER

00 MAR

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 DAY

-2 -1 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

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 S  05MAR00 08:00  F  05MAR00 10:00
DISASS18        D=  2          TF=
318029          B13-REVD003    INSTALL CAROUSEL

05MAR00 10:00
MODE5           D=             TF= 12
                               MODE 5

 S  05MAR00 10:00  F  05MAR00 11:00
DISASS22        D=  1          TF= 5
318029          B13-REVD003    REMOVE THERMOCOUPLES

 S  05MAR00 10:00  F  05MAR00 16:00
DISASS20        D=  6          TF=
318029          B13-REVD003    DETENSION RPV HEAD / REMOVE NUTS & WASHERS

 S  05MAR00 10:00  F  06MAR00 06:00
MF3792RFE       D=  20         TF= 12
3792            F42-CRNE001    FULL SYSTEM FUNCTIONAL TEST

 S  05MAR00 16:00  F  05MAR00 18:00
DISASS54        D=  2          TF=
318029          B13-REVD003    REMOVE ALL TOOLS AND EQUIPMENT FROM CAVITY

 S  05MAR00 16:00  F  05MAR00 20:00
DISASS24        D=  4          TF= 4
318029          B13-REVD003    REMOVE CATTLE CHUTE STUDS

05MAR00 18:00
DISASS52        D=             TF=
318029          B13-REVD003    SET UP FME ZONE

 S  05MAR00 18:00  F  05MAR00 19:00
DISASS28        D=  1          TF=
318029          B13-REVD003    RP SURVEY TO SUPPORT LIFT AND SET OF RPV HEAD

 S  05MAR00 18:00  F  06MAR00 18:00
IFTS2           D=  24         TF= 11
318029                         QUALIFY IFTS OPERATING PERSONNEL

 S  05MAR00 19:00  F  05MAR00 22:00
DISASS26        D=  3          TF=
318029          B13-REVD003    LIFT / SET RPV HEAD (VERIFY WATER LEVEL @ RX FLANGE)

 S  05MAR00 21:00  F  05MAR00 22:00
DISASS34        D=  1          TF=
318029          B13-REVD003    RP SURVEY CAVITY TO SUPPORT REMOVAL OF RX DRYER & PREP FOR DRYER LIFT

 S  05MAR00 22:00  F  06MAR00 00:00
DISASS30        D=  2          TF=
318029          B13-REVD003    SET RX FLANGE PROTECTORS, STUD COVERS, CATTLE CHUTE SPACER BLOCK

 S  06MAR00 00:00  F  06MAR00 03:00
DISASS32        D=  3          TF=
318029          B13-REVD003    REMOVE DRYER AND DECON STRONGBACK

 S  06MAR00 03:00  F  06MAR00 05:00
DISASS36        D=  2          TF=
318029          B13-REVD003    INSTALL STEAM LINE PLUGS (MAINTAIN WATER LEVEL @ RX FLANGE)

 S  06MAR00 05:00  F  06MAR00 09:00
SIP10           D=  4          TF= 4
                               HOOK UP SIPPING EQUIPMENT

 S  06MAR00 05:00  F  06MAR00 13:00
IVVI00          D=  8          TF= 17
                               ISI INTERNAL RPV EXAMINATION - STEAM DRYER DRAIN CHANNEL WELDS(REQ'S RF BRIDGE)

 S  06MAR00 05:00  F  06MAR00 16:00
TO050NC         D=  11         TF= 2
                               CLEAR TAGOUT FOR CAVITY FLOODUP

 S  06MAR00 05:00  F  06MAR00 17:00
TOFILLCAV       D=  12         TF=
                               FILL RX CAVITY MODE 5 > 23 FT (FROM CONDENSATE)

NOTE: OPS INSPECT DRYWELL FOR VENTILATION HATCH LEAKAGE AS WE START TO FLOOD UP

** OE APPLICABLE **

 S  06MAR00 05:00  F  06MAR00 21:00
DISASS05        D=  16         TF= 9
318029          B13-REVD003    UNBOLT STEAM SEPARATOR & VERIFY SEPARATOR IS UNLATCHED(AUX BRIDGE)

 S  06MAR00 05:00  F  07MAR00 00:00
REMSEPH         D=  19         TF= 9
                B13-REVD003    UNBOLT & REMOVE SEPARATOR

 S  06MAR00 06:00  F  06MAR00 14:00
EL327280RFE     D=  8          TF= 479
327280          F42-P004       IFTS WINCH INDICATING LIGHTS FLICKER. TROUBLE SHOOT AND REPAIR

 S  06MAR00 06:00  F  06MAR00 16:00
IC327301RFE     D=  10         TF= 477
327301          F42A-K40       IFTS CONTROL FAULT AFTER CARRIER IS AT BOTTOM - TROUBLESHOOT/REPAIR
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00 MAR

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

-2 -1 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 DAY

$ 06MAR00 06:00 F 06MAR00 16:00
IC327609RFE D= 10 TF= 477
327609 F42-CRNE001 IFTS WENCH VALUTROL DRIVE SLOW SPEED - MAKE ADJUSTMENTS

$ 06MAR00 09:00 F 06MAR00 11:00
DISASS06 D= 2 TF= 7
318029 B13-REVD003 INSTALL CATTLE CHUTE

$ 06MAR00 17:00 F 06MAR00 18:00
OPENGATE D= 1 TF=
OPEN FUEL POOL GATES

06MAR00 18:00
MODE5>23 D= TF=
MODE 5 > 23' & GATES OPEN

$ 06MAR00 18:00 F 06MAR00 21:00
OP0550Z020 D= 3 TF=
STP-055-0702 F15-PLATE006 FIRST PERFORM FIRST DEEPWATER PORTION & REFUEL PLATFORM HOIST OPERABILITY TEST

* * REQUIRED WITHIN 7 DAYS OF HANDLING FUEL ASSEMBLIES OR CONTROL RODS

7.1 MAIN HOIST LOAD TEST

7.2 MAIN HOIST TRAVEL LIMIT TEST (DEEP WATER PORTION)

FIRST STP-055-0702 TEST

$ 06MAR00 18:00 F 06MAR00 21:00
OP0550Z05A1 D= 3 TF=
STP-055-0705 F11-PLATE017 SECOND FUEL HANDLING PLATFORM AND OPERABILITY TEST

* * REQUIRED WITHIN 7 DAYS OF HANDLING FUEL ASSEMBLIES OR CONTROL RODS * *

7.1 MAIN HOIST LOAD TRAVEL

7.2 MAIN HOIST TRAVEL LIMIT TEST

FIRST STP-055-0705 TEST

$ 06MAR00 18:00 F 06MAR00 21:00
OPENBIODOORS D= 3 TF= 459
OPEN BIOLOGICAL DOORS TOP AND BOTTOM (DAVE REYNOLD'S INSULATORS)

$ 06MAR00 18:00 F 19MAR00 21:0
AVSDC>23H D= 315 TF=
> 23 FT WITH GATE OPEN

$ 06MAR00 21:00 F 06MAR00 22:00
PC326183 D= 1 TF= 471
326183 B13-REVD003 ???? DEFER???? PERFORM PAINT/TOUCH-UP ON THE VESSEL INSUL FRAME

$ 06MAR00 21:00 F 06MAR00 22:00
PC326304 D= 1 TF= 471
326304 B13-REVD003 ???? DEFER?????REPLACE AS NEEDED THE INSULATION PADS INSIDE BIO-SHIELD WALL

$ 06MAR00 21:00 F 07MAR00 00:00
REMSEP D= 3 TF= 9
318029 B13-REVD003 REMOVE SEPARATOR AND DECON STRONGBACK

$ 06MAR00 21:00 F 07MAR00 01:00
IC0550700A D= 4 TF= 84
STP-055-0700 C71A-S1/F15- FIRST RX MODE SWITCH REFUELING INTERLOCKS FUNCTIONAL TEST

$ 06MAR00 21:00 F 07MAR00 01:00
OP0550700A D= 4 TF= 84
STP-055-0700 C71A-S1/F15- FIRST RX MODE SWITCH REFUELING INTERLOCKS FUNCTIONAL TEST

$ 06MAR00 21:00 F 07MAR00 05:00
IC0550101A D= 8 TF= 14
STP-055-0101 IFTS INTERLO FIRST OFFICIAL STP-055-0101 IFTS PRE-OP & WEEKLY INTERLOCK OPERABILITY TEST

7.1 PRETEST ALIGNMENT FOR THE INTERLOCK OPERABILITY SECTIONS

7.2 FUEL BLDG MID SUPPORT ROOM ACCESS INTERLOCK OPRABLITY TEST

7.3 CONTAINMENT ISOLATION VALVE ROOM ACCESS INTERLOCK OPERABILITY TEST

7.4 ANNULUS AREA FUEL TRANSFER TUBE BELLOWS ROOM ACCESS INTERLOCK OPER. TEST

7.5 POST TEST ALIGNMENT FOR INTERLOCK OPERABILITY SECTIONS

7.6 BLOCKING VALVE OPERABILITY TEST

$ 06MAR00 21:00 F 07MAR00 05:00
OP0550101A D= 8 TF=
STP-055-0101 IFTS INTERLO FIRST OFFICIAL STP-055-0101 IFTS PRE-OP & WEEKLY INTERLOCK OPERABILITY TEST

7.1 PRETEST ALIGNMENT FOR THE INTERLOCK OPERABILITY SECTIONS

7.2 FUEL BLDG MID SUPPORT ROOM ACCESS INTERLOCK OPERABILITY TEST

7 3 CONTAINMENT ISOLATION VALVE ROOM ACCESS INTERLOCK OPERABILITY TEST

7.4 ANNULUS AREA FUEL TRANSFER TUBE BELLOWS ROOM ACCESS INTERLOCK OPER. TEST

7.5 POST TEST ALIGNMENT FOR INTERLOCK OPERABILITY SECTIONS

7.6 BLOCKING VALVE OPERABILITY TEST

FIRST STP#055-0101 TEST

07MAR00 05:00
CIFTSM D= TF=
318029 COMPLETE IFTS OPERABILITY CHECK

$ 07MAR00 05:00 F 07MAR00 09:00
LIGHTS D= 4 TF= 4
318029 B13-REV0003 INSTALL UNDERWATER LIGHTS

$ 07MAR00 05:00 F 11MAR00 13:00
MOVEFUEL D= 104 TF=
318029 NEW FUEL MOVEMENT INTO CONTAINMENT

NUMBER OF BUNDLES TO BE MOVED UP - 241

07MAR00 09:00
COREALTS D= TF= 4
318029 COMMENCING CORE ALTERATIONS

** OE APPLICABLE **

$ 07MAR00 09:00 F 07MAR00 13:00
BLOCATE D= 4 TF= 4
LOCATE SUSPECTED FUEL LEAKER

$ 07MAR00 09:00 F 17MAR00 13:0
AVSECCONTMNT D= 244 TF=
SECONDARY CONTAINMENT FUEL BLDG SET

$ 07MAR00 09:00 F 20MAR00 01:00
OP0000702 D= 304 TF= 4
STP-000-0702 PRIMARY CONTAINMENT - SHUTDOWN VERIFICATION

HAMMOCK ACTIVITY-DO NOT UPDATE!!

$ 07MAR00 13:00 F 07MAR00 15:00
BMOVE5 D= 2 TF= 4
MOVE FIVE BUNDLES. SEND DOWNSTAIRS FOR INSPECTION

$ 07MAR00 13:00 F 08MAR00 01:00
BVISUAL D= 12 TF= 222
VISUAL INSPECTION AND LOCATE LEAK (GE)

$ 07MAR00 15:00 F 08MAR00 15:00
BCOIN D= 24 TF= 208
VISUAL AND COIN INSPECTION OF FIVE BUNDLES (GE)

07MAR00 19:00
BFUELSHUFM D= TF=
318029 BEGIN FUEL SHUFFLE / REMOVAL OF SHUTDOWN MARGIN BUNDLES / SIP CORE

$ 07MAR00 19:00 F 17MAR00 07:00
FUELSHUFF D= 228 TF=
318029 FUEL SHUFFLE / REMOVAL OF SHUTDOWN MARGIN BUNDLES / SIP CORE

** OE APPLICABLE **

$ 13MAR00 09:00 F 13MAR00 12:00
OP0550702B D= 3 TF= 97
STP-055-0702 F15-PLATE006 SECOND PERFORM SECOND DEEPWATER PORTION & REFUEL PLATFORM HOIST OPERABILITY TEST

* * REQUIRED WITHIN 7 DAYS OF HANDLING FUEL ASSEMBLIES OR CONTROL RODS * *

7.1 MAIN HOIST LOAD TEST

7.2 MAIN HOIST TRAVEL LIMIT TEST (EXCEPT DEEPWATER CHECK)

SECOND STP-055-0702 TEST

$ 13MAR00 09:00 F 13MAR00 12:00
OP0550705B D= 3 TF= 85
STP-055-0705 F11-PLATE017 THIRD FUEL HANDLING PLATFORM AND OPERABILITY TEST

* * REQUIRED WITHIN 7 DAYS OF HANDLING FUEL ASSEMBLIES OR CONTROL RODS * *

7.1 MAIN HOIST LOAD TRAVEL

7.2 MAIN HOIST TRAVEL LIMIT TEST

SECOND STP-055-0705 TEST

S 13MAR00 12:00 F 13MAR00 17:00
IC0550700B D= 4 TF= 84
STP-055-0700 C71A-S1/F15- SECOND RX MODE SWITCH REFUELING INTERLOCKS FUNCTIONAL TEST

S 13MAR00 12:00 F 13MAR00 17:00
OP0550700B D= 4 TF= 84
STP-055-0700 C71A-S1/F15- SECOND RX MODE SWITCH REFUELING INTERLOCKS FUNCTIONAL TEST

S 13MAR00 17:00 F 14MAR00 01:00
IC0550101B D= 8 TF= 84
STP-055-0101 IFTS INTERLO SECOND OFFICIAL STP-055-0101 IFTS PRE-OP & WEEKLY INTERLOCK OPERABILITY TEST

S 13MAR00 17:00 F 14MAR00 01:00
OP0550101B D= 8 TF= 84
STP-055-0101 IFTS INTERLO SECOND OFFICIAL STP-055-0101 IFTS PRE-OP & WEEKLY INTERLOCK OPERABILITY TEST

7.1 PRETEST ALIGNMENT FOR THE INTERLOCK OPERABILITY SECTIONS

7.2 FUEL BLDG MID SUPPORT ROOM ACCESS INTERLOCK OPERABILITY TEST

7.3 CONTAINMENT ISOLATION VALVE ROOM ACCESS INTERLOCK OPERABILITY TEST

7.4 ANNULUS AREA FUEL TRANSFER TUE BELLOWS ROOM ACCESS INTERLOCK OPER ATEST

7.5 POST TEST ALIGNMENT FOR INTERLOCK OPERABILITY SECTIONS

7.6 BLOCKING VALVE OPERABILITY TEST

SECOND STP-055-0101 TEST

S 17MAR00 07:00 F 17MAR00 13:00
VERIF D= 6 TF=
318029 PERFORM FUEL VERIFICATION

S 17MAR00 09:00 F 18MAR00 09:00
MELUGS D= 24 TF=
BUFFING AND CLEANING ON FOUR RPV HEAD LIFTING LUGS

SCAFFOLDING SUPPORT (WHAT TYPE SCAFFOLDING?)

DECONNERS

17MAR00 13:00
CFUELSHUFM D= TF=
318029 COMPLETE FUEL SHUFFLE & VERIFICATION

S 17MAR00 13:00 F 17MAR00 14:00
FUEL22 D= 1 TF= 336
318029 DEMOBILIZE BRIDGE CREW

S 17MAR00 13:00 F 17MAR00 15:00
REMLIG D= 2 TF= 34
327752 B13-REV0003 REMOVE UNDERWATER LIGHTS

S 17MAR00 13:00 F 17MAR00 21:00
SE0503701 D= 8 TF= 208
STP-050-3701 REACTOR VESSEL SURVEILLANCE SPECIMEN REMOVAL AND EXAMINATION(RF BRIDGE)

S 17MAR00 13:00 F 17MAR00 23:00
IVVI01 D= 10 TF=
ISI INTERNAL RPV EXAMINATION - BRUSHING / CLEANING CORE SPRAY SPARGERS & PIPING

S 17MAR00 13:00 F 18MAR00 01:00
TOORNDWN D= 12 TF= 42
TAGOUT FOR DRAIN DOWN

S 17MAR00 13:00 F 20MAR00 01:00
CRDSTROKE D= 60 TF= 27
CONTROL ROD STROKE, VENT, TIMING & ADJUSTMENTS AS REQUIRED

ENSURE NI'S CURRENT BEFORE STARTING

SCAFFOLDING

S 17MAR00 23:00 F 18MAR00 02:00
IVVI10 D= 3 TF=
ISI INTERNAL RPV EXAMINATION - FEEDWATER SPARGERS

PREVIOUSLY REPAIRED AREAS ON 45 AND 135 DEG SPARGERS

S 18MAR00 01:00 F 19MAR00 01:00
IVVI1 D= 24 TF=
COMPLETE REMAINING RPV INTERNAL INSPECTIONS (IVVI)

S 18MAR00 02:00 F 18MAR00 03:00
CLSGATE D= 1 TF= 42
318030 CLOSE GATE

00 MAR

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

-2 -1 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 DAY

S 19MAR00 09:00 F 20MAR00 09:00
QC4LUGS D= 48 TF=
MT? ON FOUR RPV HEAD LIFTING LUGS

SCAFFOLDING SUPPORT (WHAT TYPE?)

OECONNERS

MECHANICAL MAINTENANCE - BUFFING AND CLEANING OF LUGS

S 19MAR00 01:00 F 19MAR00 05:00
ME9859BRFE D= 4 TF= 103
9859 F42-TFTD001 REINSTALL THE FUEL TRANSFER TUBE BLIND FLANGE

S 19MAR00 01:00 F 19MAR00 19:00
TORSEP D= 18 TF=
318030 B13-REVD003 TRANSFER, BOLT & TORQUE SEPARATOR

S 19MAR00 03:00 F 19MAR00 07:00
TRINUKES D= 4 TF= 14
318030 MOVE TRI NUKE FILTERS TO FUEL BUILDING

S 19MAR00 05:00 F 19MAR00 17:00
SE0573801 D= 12 TF= 103
STP-057-3801 F42-TFTD001 HATCH & FLANGE AS LEFT LEAK RATE TEST(IFTS)

S 19MAR00 06:00 F 20MAR00 06:00
FUEL25 D= 24 TF= 272
318030 REPAIR ANY KNOWN PROBLEMS

S 19MAR00 17:00 F 20MAR00 05:00
SE0573801B D= 12 TF= 103
STP-057-3801 F42-G001 & G IFTS TRANSFER TUBE UPPER & LOWER BELLOWS AS LEFT LEAK RATE TEST

S 19MAR00 19:00 F 19MAR00 21:00
REMCAT D= 2 TF=
318030 B13-REVD003 REMOVE CATTLE CHUTE

19MAR00 21:00
MODES<23 D= TF=
MODE 5 < 23 FT

S 19MAR00 21:00 F 20MAR00 09:00
DRNDWN2 D= 12 TF=
318030 DRAIN DOWN TO CONDENSER , DECON REACTOR CAVITY

AND HYDROLAZE RPV STUDS.

NOTE: CWS & CNM WINDOWS SHOULD BE COMPLETED PRIOR TO DRAIN DOWN TO ALLOW

DRAINING CAVITY TO HOTWELL. DRAINING WATER TO THE CST HAS A NEGATIVE

RADIOLOGICAL IMPACT ON THE PLANT. DRAIN TO BELOW MSL AND REMOVE PLUGS, THEN

RAISE TO RX FLANGE.

** OE APPLICABLE **

S 19MAR00 21:00 F 22MAR00 01:0
RVLVL<23H2 D= 52 TF=
RX CAVITY LEVEL < 23'

20MAR00 01:00
CONTOPENM D= TF= 27
318030 OPEN PRIMARY CONTAINMENT

S 20MAR00 09:00 F 20MAR00 10:00
RPRXCAV2 D= 1 TF= 57
318030 B13-REVD003 SURVEY CAVITY INSPECTION

S 20MAR00 09:00 F 20MAR00 12:00
ME11903B D= 3 TF= 141
11003 DER-TK1, 2, REMOVE TEMPORARY SUMP PUMPS FROM THE DRYWELL SUMPS

S 20MAR00 09:00 F 22MAR00 01:00
VSLREASS D= 40 TF=
318030 B13-REVD003 VESSEL REASSEMBLY. INSTALL RPV HEAD PER GMP-103

20MAR00 10:00
VOLREASM D= TF= 57
318030 B13-REVD003 START VESSEL REASSEMBLY

- CLEAR TAGOUT FOR STEAM LINE PLUGS

- REMOVE STEAM LINE PLUGS (D=3)

- SET STEAM DRYER (D=3)

- SURVEY & DECON FLOOR (D=3)

- REMOVE RPV FLANGE, CATTLE CHUTE SPACER BLOCK & STUD PROTECTORS (D=3)

- CLEAN RPV FLANGE & CATTLE CHUTE STUD HOLES (D=3)

- INSTALL RPV HEAD (D=2)

- CLEAN & LUBE RPV STUDS (D=3)

- INSTALL CATTLE CHUTE STUDS, NUTS & WASHERS (D=3)

- TENSION RPV HEAD (D=6)

- ELONGATION READINGS (D=1)

- REMOVE CAROUSEL (D=1)

22MAR00 01:00
MODE4(2) D= TF= 14
MODE 4 (2)

S 22MAR00 01:00 F 22MAR00 15:00
INST D= 14 TF=
318030 B13-REVD003 INSTALL INSULATION HEAD / FRAME

- LOAD IN TOOLS

- REMOVE TEMP. BLIND FLANGES (D=1)

- SET INSULATION FRAME (D=1)

- INSTALL INSULATION FRAME LEG BOLTING & TORQUE (D=2)

- OPEN HATCH COVER (D=2)

- BOLT UP & TORQUE 2" & 3/4" VENT LINES (D=5)

- INSTALL THERMOCOUPLE ON RPV (D=1)

- INSULATOR TO INSTALL INSULATION (D=2)

NOTE: INSTALLATION HAS TO BE FULLY INSTALLED TO SUPPORT HYDRO HEATUP

22MAR00 15:00
BHYDHEATUPM D= TF=
START HEATUP FOR RPV PRESSURE TEST

S 22MAR00 15:00 F 23MAR00 12:00
HYDHEATUP D= 21 TF=
RPV PRESSURE TEST HEATUP

** OE/IPTE APPLICABLE **

S 22MAR00 15:00 F 24MAR00 12:00
LAYUP D= 45 TF=
F13-E009A/2 BEGIN LAYUP OF REFUELING FLOOR

S 22MAR00 16:00 F 22MAR00 22:00
EL3784RFE D= 6 TF= 130
3784 F11-PLATE017 POST OPERATIONAL MAINTENANCE FOR FUEL HANDLING PLATFORM AND GRAPPLE

S 22MAR00 16:00 F 22MAR00 22:00
ME3788RFE D= 6 TF= 130
3788 F13-PLATE006 GRAPPLES POST-OP / LAYUP

S 22MAR00 16:00 F 23MAR00 02:00
ME10419 D= 10 TF= 126
10419 F13-E009A STUD TENSIONER POST-OP/ LAYUP

S 22MAR00 16:00 F 23MAR00 12:00
ME3785RFE D= 20 TF= 116
3785 F123-E002 MSL PLUGS POST-OP / LAYUP

S 22MAR00 16:00 F 24MAR00 04:00
ME3784RFE D= 36 TF= 57
3784 F11-PLATE017 POST OPERATIONAL MAINTENANCE FOR FUEL HANDLING PLATFORM

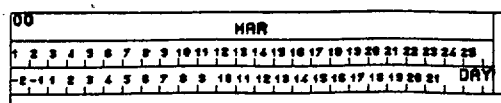
S 22MAR00 16:00 F 24MAR00 04:00
ME3787RFE D= 36 TF= 100
3787 F13-PLATE006 PROVIDE POST-OPERATIONAL MAINTENANCE

S 23MAR00 12:00 F 24MAR00 12:00
HYDRO D= 24 TF=
RPV PRESSURE TEST & PARTIAL SCRAM TIMING. CANNOT HOLD PRESS FOR SCRAM TIMING

AFTER INSPECTIONS IF TEMP >200F

STP-052-3701 CONTROL ROD SCRAM TESTING

ENSURE NI CURRENT PRIOR TO START



S 23MAR00 18:00 F 23MAR00 23:00
HDINSTALL D= 5 TF= 47
318030 B13-REV0003 DRYWELL HEAD INSTALLATION

S 23MAR00 23:00 F 24MAR00 01:00
HOLLRT D= 2 TF= 47
TSP-0007 LLRT ON O-RING TSP-0007 DRYWELL PENETRATION MECHICAL SEALS LEAK TEST

S 24MAR00 01:00 F 24MAR00 13:00
FILLCAVITY D= 12 TF= 47
318030 FILL CAVITY FROM CST

S 24MAR00 11:00 F 24MAR00 12:00
OP0500702 D= 1 TF= 36
STP-050-0702 REFUELING OUTAGE RPV IN SERVICE LEAK TEST

24MAR00 12:00
HYDROM D= TF= 36
COMPLETE RPV PRESSURE TEST

24MAR00 13:00
DWHDM D= TF= 47
318030 DRYWELL HEAD INSTALLED & CAVITY FILLED

S 24MAR00 13:00 F 24MAR00 14:00
GATE D= 1 TF= 47
318030 OPEN CAVITY GATE

S 24MAR00 14:00 F 24MAR00 22:00
ME1 D= 8 TF= 82
REMOVE NITROGEN BOTTLES STORED ON RX BUILDING EL 186

BOTTLES USED AS BACKUP TO IAS FOR MSL PLUGS & FUEL POOL GATE SEALS.

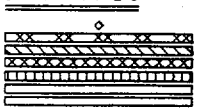
(CR98-1241 CA-002)

24MAR00 22:00
BEGINRFNORM D= TF= 82
BEGIN RESTORING REFUEL FLOOR TO NORMAL

S 24MAR00 22:00 F 26MAR00 13:00
RESTOREFLOOR D= 39 TF=
RESTORE REFUEL FLOOR TO NORMAL

STRIP 9

BAR TYPES



MILESTONES
CRITICAL PATH
WITHIN 24 HRS OF CRITICAL PATH
BETWEEN 24 AND 48 HRS OFF CRITICAL PATH
BETWEEN 48 AND 72 HRS OFF CRITICAL PATH
GREATER THAN 72 HRS OFF CRITICAL PATH
AVAILABILITY WINDOW