



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

HINSON

OCT 4 1983

MEMORANDUM FOR: O. Lynch, Leader, Radiation Protection Section, RAB
FROM: L. R. Greger, Facilities Radiation Protection Section
SUBJECT: ASSISTANCE IN ESTABLISHING AN OCCUPATIONAL DOSE DATA BASE

The attached information is provided in response to F. J. Congel's July 14, 1982 memorandum, subject as above.

If you have any questions concerning the attachments, please contact W. B. Grant (FTS 388-5626).

A handwritten signature in cursive script, appearing to read "L. R. Greger".

L. R. Greger, Chief
Facilities Radiation Protection Section

JAN 21. 1982

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NORTHERN STATES POWER COMPANY
 PRAIRIE ISLAND NUCLEAR GENERATING PLANT
 CUMULATIVE TOTAL EXPOSURE REPORT

B0201065

WH BOD B-G TOTAL MREM	WH BOD NEUTRON TOTAL MREM	RWP NO.	RWP DESCRIPTION
20.985		632	EDDY CURRENT ON 11/12 SG
14.729 - 5		216	INSTALL HOT & COLD LEG RESTRAINTS
14.455		213	ECT 21/22 SG'S PRI SIDE
12.290 TMI - S		622	INSTL NEW INCOR THRMCPU SYSTM ON I RX HEAD
10.314 -		267	SETUP/REMOVE FIBER OPTICS EQUIP FROM 22SG TOP AVB IN
8.042		484	DISASSEMBLE 21 RCP
7.179		317	GENERAL HEAD RE-ASSEMBLY
7.103 -		2	ROUTINE CHEM., COUNT RM., & RAD SURVEYS
6.803		201	ROUTINE LABORER WORK IN U2 & SFP
6.800		3	ROUTINE PLANT OPERATIONS DEPT. WORK
6.788		4	CLEANING & DECON IN POSTED AREAS
6.773		615	CONT LABR WRK UI CONT AND ANNULUS
5.852 - 5		408	REMOVAL AND DECON OF SFP RACKS
5.845		204	WORK ON NON-RADIOACT SYS IN U2 & ANNULUS
5.402		625	REMV AND REPLCE INSULTN ON UI CONT SYSTMS
5.080		205	REMOVE/REPLACE INSUL FOR ISI
4.761		618	INSP AND WRK ON NON RADIOACTV SYSTMS UI CONT ANNULS
4.298		334	SET FORMS POUR WALLS BARREL STORAGE YARD
4.103		229	RX HEAD VENT SYS TH MODIF.
4.075		199	NDE TSTNG OF VARIOUS PIPING & VLVS
4.057		200	ROUTINE HP WORK IN U2 & SFP
4.046		487	REPAIR INSTRUMENT PORT #34
3.994		12	INSP. & MINOR WORK IN CONTAINMENT
3.875		10	ROUTINE HANDLING OF RAD WASTE
3.758		616	HP COVERAGE UI CONT REFULNG OUTGE
3.622		633	11/12 RCP PUMP SEAL REPLACEMENT
3.570		209	STEP D-3...PREPARATION FOR HD LIFT
3.521		628	ISI INSPCTN CN PRIMRY AND SECNDRY SYSTMS
3.218		700	GENERAL HEAD RE-ASSEMBLY
3.172		473	DECON 21RCP
3.158		634	PREPARATION FOR RX HEAD REMOVAL
3.134		5	MAINT. ON NON-RAD SYST. IN UNCONTAM. AREAS
2.660		202	ROUTINE OPERATOR WORK IN U2 & SFP
2.630 - 5		754	INSTALL 3-WAY VLVS ON 11, 12, 21, & 22 RHR SUMP PIT PMPs
2.473		458	PLANT HELPERS GEN DECON IN U2 CTMNT.
2.458		406	SLUICE SPENT RESIN TK TO CASK
2.311		497	INSTALL 21 RCP & MOTOR & PREP WORK IN VAULT
1.890		226	21RCP SEAL INSP & REPLACEMENT
1.833		741	INSTALL CONDUIT, PULL & TERM & CABLING RCS PRESS & H2 SYS
1.830		217	REMOVE/REPLACE SG PAD BOLTS
1.828		309	REPLACE REACTOR HEAD
1.774		9	INSP. & MINOR WORK IN ROPED OFF AREAS
1.772		246	REMCVE SECONDARY MANWAYS 21 & 22 SG'S
1.757		446	REPAIR 21 RCP MOTOR BEARING
1.688		500	PMP 69B CHEM TK TO WSTE CONC TK
1.681		617	OPS VLV OPS AND WATCH STANDING
1.639		697	CLEAN VESSEL FLANGE
1.572 - TMI		100	INSTALL RHR SUMP DISCH. TO ANNULUS SUMP LINES
1.564		212	INSTALL/REMOVE SG PRI COFFER DAMS
1.405		203	GEN INSP OF U2 & SFP
1.401		574	I.S.I. OF RHR, C.S. & S.I. SYS & REMV. & REPLACE INSUL

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WH BOD B-G TOTAL MREM	WH BOD NEUTRON TOTAL MREM	RWP NO.	RWP DESCRIPTION
1.395		644	REMOVE/REPLACE SG DIAPHRAMS ON 11&12
1.353		313	MODIFY #22 S/G FEED RING
1.343		595	EDDY CURRENT & PLUGGING TUBES 22 SG
1.276		656	DECON REACTOR CAVITY
1.260		50	REPAIR HANGERS/ANCHORS IAW NRC BULLETIN
1.216		475	PULL 21 RCP
1.141		225	21RCP SEAL INSP & REPLACEMENT
1.141		290	FUEL SHUFFLE & CORE INVENTORY
1.107		652	REPLACE INSTR PORT CONO-SEALS
1.105		396	15 RCP FILL OIL RESERVOIRS CLEAN UP ANY OIL SPILLED
1.033		678	FUEL SHUFFLE & CORE INVENTORY
1.019		597	INSPECT #22 RCP #2 & #3 PUMP SEALS
1.002		668	INSTALL FLAMEMASTIC IN VCT ROOM
975		559	OPEN BOXES & INSPECT PARTS FROM 21 RCP
960		6	CALIB. OF SURVEY & FIXED RAD METERS/MONITORS
951		482	ISI 21 RCP CASING AND LOOP
921		92	INSTALL NEW SI PIPING FOR TH1 MODIF.
896		603	INSTL CABLES, REWIRE CONT. VLVS & PENET. CAB. & TEST
881		1	INSPECTION IN NON-CONTAM. AREAS
863		306	DECON REACTOR CAVITY
836		284	REMOVE/REINSTALL SG HANDHOLES AND TUBE LANE BLOCKING
834		522	PERFORM NEUTRON ATTENUATION & WET DRAG TESTING
826		684	REMOVE, CLEAN & REPLACE HEAD O-RINGS
805		666	REPLACE LIMIT SWITCHES IN REGEN HX VAULT
799		583	INSPECTION & MINOR WORK & VLV OPERATIONS
797		283	CLEAN RX STUD BOLTS
773		224	MOTOR PMS ON 21/22 RCPS
760		643	REMOVE/REPLACE SG MANWAYS ON 11&12
754		445	INSP. UC CONT. & MINOR WORK OUTSIDE VAULTS
740		346	INSP. RPR. 21 22 SI PMS
731		69	INSTALL LVL ALARM PROBES RHR SUMP PITS
712		215	REMOVE, CLEAN, PAINT, & REINSTALL SAND PLUGS
681		54	INSTALL INSUL. ON CW SYST.
667		582	ROUTING CLEANING & DECON #2 CONT.
666		447	OPERATOR WORK IN UC CNTNMNT.
664		598	INSTALL #22 SG DIAPHRAMS & MANWAYS & RMV TENT
626		257	PERFORM I.S.I. OF VESSEL
621		695	REPLACE RX HEAD
619		58	INSTALL PIPING FOR RHR MODIF.
607		8	INSP. IN AUX. BLDG. PITS
601		102	INSTALL SUMP A RECIRC LINE
597		294	REMOVE, REPLACE, CLEAN, CUT RX. HEAD "O" RING
590		429	REPLACE HT ON SGMP EVAP WITH NEW HT
575		14	WORK INVOLVING RAD WASTE IN CONTAM. AREAS
561		13	CALIB. OF METERS/LVL DETECTORS FOR I.C. DEPT.
542		710	REMOVE RX HEAD VENT SPOOLPIECE
532		394	PULLING CABLE IN AUX BLDG
507		413	SLUICE RESIN FROM SPENT RESIN TK TO SHIPPING CASK
471		667	GRIND OFF NUTS ON RX HEAD LIFTING RIG
467		735	MODIFICATIONS FOR POST ACCIDENT SAMPLING
460		84	COVER PLATE MODIF. ON 11&12 RHR SUMPS

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WH BOD B-G TOTAL MREM	WH BOD NEUTRON TOTAL MREM	RWP NO.	RWP DESCRIPTION
440		672	CLEAN REACTOR HEAD STUDS
424		657	INSTALL NEW SUMP B LEVEL DETECTORS
397		506	REMOVE LEAD ON RCP STAND, DISASSEMBLE & MODIFY STAND
393		211	REMOVE/REPLACE SG MANWAYS PRIMARY SIDE
388		369	REMOVE INSUL PORTIONS SGPM EVAP
383		629	UI CONT CALIBRATIONS
382		651	REPLACE CV31300 & PZR SAMPLE CONTROL VLVS
373		182	LOCAL LEAK RATE TESTS
372		770	CALIB. PRESS. & LVL XMITTERS IN CONT
367		96	INSTALL DRAIN FROM SAMPLE SINK TO RHR PITS
351		7	INSP. & MINOR WORK IN HIGH RAD AREAS
351		577	LOCAL LEAK-RATE TESTING OF CONTAINMENT PENETRATIONS
330		591	HP COVERAGE IN #2 CONT.
326		682	HEAD LIFT
324		675	INSTALL HANGARS AND RESTRAINTS
323		452	ERECT DRY TEST TROLLEY CRANE
322		101	MODIFY #22 ANNULUS SUMP PUMP PIPING
319		461	REMOVE/CLEAN BOLTS 21RCP
317		594	REMOVE & REPLACE RX MISSILE SHIELD
310		495	MOVE NEW RCP INTO #2 CONT & REMOVE OLD PARTS
307		103	FURMANITE 22 SG SEC. MANWAY
302		701	CUTOUT/MOVE VALVE MV-32228(SUMP 'A')
301		366	SET UP, PRAPS, TESTING, GANTRY CRANE PRIOR USE SFP
299		662	REPAIR CV-31231 & CV-31232
297		56	INSTALL FIRE PROOF INSUL. ON MECH. PENETRATIONS
296		232	REPAIR LOOP B SPRAY VLV
294		579	DRILL HOLES IN BOTTOM OF SR/IN ASSEMBLY & DO ELEC WK
294		638	REMOVE/REPLACE PZR SAFETY VALVES
283		295	BUFF OUT INDICATIONS ON 21 HOT LEG LOOP A
283		756	MOVE SPENT FUEL FROM LARGE PIT TO SMALL FUEL POOL
265		593	REMOVE DIAPHRAGMS AND INSTALL NOZZLE COVERS
248		287	RETRIEVE IRRADIATION SPECIMEN PLUG FROM RX FLANGE
243		194	SNUBBER TESTING... REPAIR/REPLACE
242		74	INSTALL RHR PIT COVERS
238		626	ANNUAL INSPTION OF SNUBBERS IN UI CONT
234		105	INSTALL CONTAMINATION FENCES
232		637	INSTALL ALL NEW LEVEL PROBES IN SUMP C
231		106	HEAT TRACE ETC OIR & REPAIR BKR.
229		210	REACTOR HEAD LIFT
229		627	ANNUAL INSPTION OF SNUBBERS
219		442	REPLACE UI XFR SYS. & REPLACE HOSES ON SKIMMERS
211		694	INSTALL FIRE PROT SYS IN BARREL YARD
210		208	REMOVE/REPLACE PZR SAFETY VLVS
207		266	REMOVE INSTR PORT, CONO-SEALS, & HD INSUL
205		121	REMOVE 21 & 22 RHR PIT SUMP COVERS
204		691	REMOVE & INSPECT 12 RHR PUMP
203		660	INSTALL SPARE SOURCE RANGE DETECTOR
200		693	REMOVE & REPLACE UPPER INTERNALS
196		347	DISASSEMBLE, LAPSEAT, REASS., CV-31421 (RHX AUX SPRAY)
188		260	INSTALL LVL SWTCHS IN SUMP C
184		169	PUT "BIG" BLOC OVER BARREL YARD

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184		351	RPL SEAL 2CONC PMP 5GPM EVAP
180		401	REMOVE SPRAY NOZZLES 5GPM EVAP CHANGE DEMISTER PADS
180		419	REPACK VLVS IN 21&22 RHR PITS (HX DRNS & XOVER VENT)
179		197	SURV CAL OF PROT & CONTROL XMITRS & PZR SPRAY VLV
179		533	SLUICE ALL ADT IX RESIN TO LINER
178		154	PRE-OUTAGE FUEL SHUFFLE & THIMBL PLUG STRTNG
175		747	REPAIR LEAK ON 21 B.A. EVAP STEAM BOX FLANGE
172		576	PH'S ON 5GPM EVAP--LEVEL, PRESS., & TEMP.
169		385	DECON DUMS IN DRUM AISLES (LIDS ON NOT CLAMP)
164		110	INSTALL SEISMIC SUPPORTS ON RHR COOLERS
155		274	REMOVE/REPLACE UPPER INTERNALS
155		557	INSTALL CASK PAD MOUNTING BRACKET
154		318	GROUT LINES IN CONT SRAY PMP RMS &RHR PITS
153		300	REPLACE 21 RX. COOLANT FILTER
151		125	FIX DRNAGE PROBLEM AT BA XFER PMP AREA
150		704	INSPECT RCDT PUMP
149		250	CHANGE MECH SEALS ON 21&22 CS PUMPS
148		758	REBUILD NIS SR & INT. RANGE DETECTOR ASSEMBLIES
146		778	MOVE BROKEN S.F. NOZZLE FROM TRANS CANAL TO SHIPPING
145		685	REPAIR VARIOUS VALVES 11RHR PUMP
143		553	FUEL RECEIPT, UNLOADING, & STORING IN NEW FUEL POOL
142		696	REMOVE BOOT, GUIDE STUDS, HOLE COVERS
141		118	PUMP 5GPM BOTTOMS TO 55GAL DRUMS
141		721	PLACE ADDITIONAL SHIELDING ON FLOOR
140		460	INSP./REPLACE 21RCP SEAL
139		714	REPAIR RH-2-2 REMOTE OPERATOR
135		521	CLEAN OUT SLUDGE IN AERIATED DRAIN TK
133		602	REPLACE RPI COIL STACK K-7 ROD & CABLES
132		523	REPAIR DIAPHRAGM LCV-302
130		120	REPLACE 11 BA EVAP FILTER MEDIA
130		509	INSTALL FILL AND VENT HOSES
129		59	SPEC. SAMPLES FOR EG&G TRAILER
129		162	ELECT WORK FOR SI MODIF.
128		423	REMOVE EXCESS CEMENT FROM 2 CONCENTRATES DRUMS
128		504	CHECK CONNECTIONS AT RX HD INCORE THERMOCOUPLES
124		392	ELEC WK BA CONC PMP MOVE
121		142	CLEAN/REPAIR WASTE CONC TK
118		654	SUMPS A, B, & C LVL CALIB.
116		607	SLUICE RESIN UI DEBORATING BED TO RESIN LINERS
114		150	MINOR ELECT WORK ON SOURCE RANGE DETECTOR
114		219	REPAI/REPLACE PIPE HNGRS & RESTRAINTS
113		85	REPLACE B.A. CONÇ. PUMP AND REROUTE PIPING
113		421	ISTALL CONDUIT & PULL CABLE
111		345	RPR DRUM FILL SPLATTER SHIELD
110		165	ENLARGE 22 ANNULUS SUMP
110		520	PERFORM IODINE PLATEOUT TESTS IN UI & UII CONT
108		512	FIX MECH SEALS AERTD SUMP PIT PUMPS
107		715	TIE IN LOOP B & #1 MB SAMPLE LINES TO UI HOOD
105		156	RHR SUMP PUMP QAE CHECK
105		703	REPACK RC-1-15. (LOOP 'B' RTD ISOL. VLV.)
103		693	REPAIR CV31255 & CV31336

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WH BOD S-G TOTAL MREM	WH BOD NEUTRON TOTAL MREM	RWP NO.	RWP DESCRIPTION
102		234	INSTALL SUMP B LVL XMITR
101		646	MOVE LADDER ON 11 SG VAULT
100		304	CUT OUT CRC 8 13 AND WELD IN VLV.
98		235	ROUTE DRAIN LINE FROM SMPL SINK TO 21 RHR SUMP
98		307	CHANGE SPRAY NOZZLES ON 5 GPM EVAP.
98		587	INSTALL RX HEAD VENT HOSES & FILL & VENT HOSES
98		772	CHANGE 11 BA FILTER
98		228	REPLACE DIAPHRAGMS IN 21/22 RCP SEAL PIPING
97		578	REPLACE SOURCE RANGE DETECTOR #1 CONT
94		677	INSTALL NEW VALVE ON RX HEAD VENT SYSTEM
94		380	INST STRIPPING COLUMNS VOLUME CHAMBER
92		220	CLEAN INTERNALS LIFTING RIG
88		343	RPR PCV-135A LETDOWN CONT VLV AIR SIDE ONLY
88		404	INSP 22 CHG PMP SUCTION MANIFOLD AND BLOCK
85		655	PULL INCRE THIMBLES
83		122	INSTALL SI PIPING COMPONENTS & MODIFICATIONS
82		115	CHANGE 22 SEAL WTR INJ FILTER
80		236	SUFF OUT INDICATIONS ON PZR RELIEFS A&B
78		493	ASSEMBLE 21 RCP SEALS FOR CHECKOUT
78		542	UNPLUG LINE FROM DEMISTER TO 5 GPM EVAP HOTWELL
74		123	REMOVE SLUDGE FROM 121 WASTE CONC TK
73		588	SETUP TOOLS & EQUIP FOR SG MANWAY REMOVAL
73		680	REMOVE & REPLACE REFUELING FLANGE
73		453	XFR IRRAD. SPECIMEN TO SHIPPING CASK
71		486	TRANS 21 RCP SHAFT TO HOT MACH SHOP & DO SHIP
67		465	REPAIR REFUEL CAVITY LINER
66		239	PRE-FUELING PMS ON RCC CHANGE FIXTURE
64		580	MOVE NEW FUEL TO LARGE SFP & MOVE THIMBLE
62		740	REMV & REPL INSULATION ON VARIOUS PIPING IN
62		755	RHR PIT SUMP LEVEL DETECTOR MODIFICATION
62		496	DECON DRUMS IN BARREL AISLES & REPAIR LIME
61		999	PM 3560-26 UNLATCHING TOOL
61		265	SLUICE 121 SFP 1X RESIN TO TANK
60		454	BLANK FLANGE FOR LLRT LOOP A&B
60		649	RPR LEAK 22 DESURGER
60		370	RHR LEAK 22 DESURGER
58		763	REPACK VARIOUS 22 RHR LOOP VLVs
58		363	REPACK VLV CRC-8-27 (22 RCP VAULT RTD DRA
57		477	PUT HOSE CLAMP BACK ON SKIMMER
57		511	RMV SPL PIECE CAVITY DRN TO SUMP B
57		723	CHANGE OIL&GREASE VARIOUS PUMPS & DRIVES
56		498	MATERIAL CONTROL WATCH FOR 21RCP INSTLLAT
55		180	REPLACE AIR MTR IN XFR CANAL
53		416	CUT UP SPENT FUEL POOL RESTRAINTS
53		218	DRILL RELIEF HOLES IN SUMP B BLNK FLANGE
52		264	PULL/REPLACE IN CORE THIMBLES
52		320	INSTL NEW RESTRAINTS IN U2 PIPE CHASE
52		640	UNLOAD ECT BOXES
51		732	CLEAN OUT SOLID CONCRETE IN FEEDER MIXER
51		573	SLUICE 21 SGBD 1X RESIN TO LINER
50		214	VIS INSP OF INSTR PORT CLMN & CRDM SEAL

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WH BOD B-G TOTAL MREM	WH BOD NEUTRON TOTAL MREM	RWP NO.	RWP DESCRIPTION
14.621		178	EDDY CURRENT TESTING OF 21&22 S/G
9.726		194	REPLACE INCORE TC CABLES&SUPPORTS U2
9.275		385	EDDY CURRENT 11 & 12 SG
7.875		3	ROUTINE OPERATIONS ,SURVEILANCE BY OPERATIONS
7.109		163	CONT. LABORER WORK IN U-2 CONT&ANN.
6.543		10	HANDLING OF RAD WASTE
6.164		2	RPS SURVEYS,COUNT ROOM,HOT LAB,SURVEILLANCE
5.728		363	CONTAINMENT HELPER WORK AS DEFINED BY RPS
5.102		4	CLEANING AND DECON WORK IN POST. AREA
4.988		17	SLUICE RESIN
4.934		241	GENERAL RX HEAD REASSEMBLY U2
4.200		166	GENERAL HEAD DISSASSEMBLY U-2 RX
4.177		12	INSPECTION & MINOR WORK IN CONT.
4.042		158	INSULATION REMOVAL AND NDT TESTING ON PIPES
3.553		436	U-1 GENERAL HEAD REASSEMBLY
3.504		345	CLEAN WHUT AND PROCESS WASTE
3.498		164	H.P. COVERAGE FOR U-2 REFUELING OUTAGE
3.469		186	REMOVE,INSPECT&REPAIR 21&22 RCP SEALS
3.463		368	CLEAN/SLUDGE LANCE SG.
3.385		362	REPAIR INSTRUMENT CONOSEAL CANOPY
3.204		122	UNDERWATER WORK ON OLD & NEW RACKS IN THE S.F.P.
2.907		16	REPLACEMENT OF FILTERS IN VARIOUS SYS.
2.727		382	PREPARATION FOR HEAD LIFT U-1, D-3
2.646		162	INSP.AND MINOR WORK ON NON-RAD SYS.U-2 CONT&ANN
2.611		418	INSPECT 11 &12 S.G. NOZZLE RINGS
2.504		381	#12 RCP SEAL JOB, PM-3116-1
2.469		371	CONDUCT ISI OF PIPING IN CONT & AUX
2.459		380	#11 RCP SEAL JOB , PM-3116-1
2.352		353	NONRADIOACTIVE SYS WORK IN CONT, ANNULUS, & SFP
2.348		173	SLUDGE LANCE 21 AND 22 S/G
2.215		9	INSP. & MINOR WORK IN ROPED OFF AREAS
2.141		121	REMOVAL & DECON USED SFP RACKS, & INSTAAL NEW RACKS
2.062		352	HP. COVERAGE IN CONT. & ANNULUS
1.992		396	REMOVE&REPLACE SG DIAPHRAGMS&COFFERDAMS
1.892		52	PULL CABLES IN AUX BLOGS.
1.781		177	REMOVE&REPLACE 21&22 S/G DIAPHRAGMS
1.677		441	RX HEAD SET
1.645		354	GEN. ENTRY OPERATORS (VLV LINEUPS, WATCHS, INSPECT)
1.619		242	REPLACE RX HEAD U2
1.544		5	MAINTENANCE ON NON RAD. SYS.IN UNCONTAM.AREA
1.465		165	OPERATIONS DEPT. VALVE OPS.&WATCH STANDING-OUTAGE
1.441		18	ROUTINE SFP WORK, FUEL TRANS NEW TO SFP
1.394		393	REMOVE&REPLACE INST.PORT CONO-SEALS&CLEAN
1.248		172	INSTALL OR MODIFY PIPE RESTRAINTS U2 CONT
1.232		435	REMOVE&REPLACE RX HEAD O RING, CUT UP OLD RING
1.219		399	INSTALL TUBE LANE BLOCKING DEVICE 11&12 SG
1.193		238	CAVITY DECON U2
1.057		391	INSTALL LOOSE PARTS MONITOR IN SUMP C
1.042		240	REMOVE&REPLACE RX HEAD O RINGS & CUT UP OLD O RINGS
939		96	INSTALL REMOTE OPS IN RHR
883		274	REPAIR #22 RCDT PMP

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857		366	SET UP ECT.TENTS
804		195	REMOVE 21&22 S/G HANDHOLES&TUBE LANE BLOCK
748		13	I.C. METER,LEVEL DETECTOR CALIBRATION
746		417	INSTALL U-1 CONT. RECOMBINERS
715		174	INSPECT 21&22 S/G TUBE WRAPPER AND AVB REGION
715		365	DECON RX. CAVITY
711		140	NEUTRON ATTEN.& WET DRAG TEST NEW FUEL RACKS IN SFP
682		442	CLEAN OIL FROM PCP VAULTS
681		168	ANNUAL INSP. OF SNUBBERS U2 CONTAINMENT
657		373	MOD. HANGER,RESTRAINTS,SWAY,AND SUPPORTS
646		394	REMOVE&REPLACE SG PRIMARY MANWAY COVERS
641		370	REMOVE/REPLACE INSULATION IN CONTAIN.
638		193	REPLACE SOLENOID OP. SAMPLE VALVES U2
636		413	FIBER OPTICS ON 11 & 12 STM GEN
630		198	FUEL SHUFFLE AND INVENTORY U2
622		332	LOCAL LEAK RATE CHECKS
620		199	INSTALL,OPERATE,&REMOVE S/G CLEANUP RIG
613		6	CAL.OF SURVEY & FIXED RAD METERS,MONITORS
609		430	SHUFFLE FUEL
596		424	INSPECT & REPAIR AIR LEAKS ON CV-31224& CV-31225
592		154	ADD OIL TO #11 RCP LOWER BEARING
585		296	CLEAN SLUDGE FROM 121 & 121 ADT COLLECTION TKS
558		80	PREP WORK FOR U1&U2 HI RANGE RAD MONITORS
553		378	RELOCATE PRESS.XMITTER FOR 11 & 12 ACCUMULATORS
557		7	INSP.& MINOR WORK IN HIGH RAD AREAS
556		8	INSPECTION IN AUX. BLDG PITS
529		355	I/C WORK IN CONT. & ANNULUS--CALIB & MINOR REPAIRS
525		349	REBUILD NIS DETECTORS
521		415	REMV & REPLC SANDPLUGS , REMV INSUL,& ISI OF PIPES
517		14	WORK INVOLVING RAD WASTE IN CONT. AREA
507		70	UPRIGHT FUEL ASSY D-34 IN SFP
494		51	BUILD NEW BARREL YARD
468		383	UNLOAD ECT TRUCK, TAKE ECT EQUIP. INTO U-1 CONT.
467		1	INSP. NON CONTIM. AREAS
457		217	PLACE SHIELDING AROUND RTD LOOP
456		84	PM AND TEST SPENT FUEL HANDLING TOOL
453		99	REPAIR OR REPL VARIOUS REMT OPERATORS RESIN FLUSH SY
437		253	RADIOGRAPH DEFECT INDICATION 22 SG
425		118	INSTALL,REPL,REMV,VARIOUS RESTRAINTS,& STRUTS IN AUX
390		384	REWIRE LOOP A&B RTD U-1
386		181	RX HEAD LIFT U2
373		170	I&C WORK IN CONT. DURING U2 OUTAGE
345		187	REMOVE CONO-SEALS AND INSUL. U2 RX HEAD
336		302	SFP RACK DECON
333		419	DISASSEMBLE, INSPECT,& REASSEMBLE RC-7-2
298		311	INSTALL SPEC FUEL RACK CRANE,REMV RACK,DISASSM CRANE
297		90	MOVE & REASSEMBLE GANTRY CRANE IN S.F.P.
295		377	CHANGE-OUT NEUTRON SOURCE RANGE DETECTORS
275		252	REMOVE AND REPLACE SG DIAPHRAGMS AND COFFERDAMS
266		161	LOCAL LEAK RATE TEST U-2
265		427	REACTOR HEAD LIFT U-1

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WH BOD B-G TOTAL MREM	WH BOD NEUTRON TOTAL MREM	RWP NO.	RWP DESCRIPTION
257		53	REMOVE/REPLACE INSULATION
250		411	INSTALL TOE GAURDS AT OPENINGS OF PIPE PENETRATIONS
248		176	REMOVE&REPLACE 21&22 S/G PRI.MANWAY COVERS
245		203	CORE DRILL RAD BBL B696&HAND MIX CEMENT FOR DRUMS
230		124	REPLACE SOURCE RANGE DETECTOR UNIT 2 CONT.
228		218	EXTEND WALKWAY BY 22S/G HANDHOLE
219		182	REMOVE&REPLACE PZR SAFETIES&PWR OP RELIEFS U2
214		175	REMOVE&REPLACE 21&22 S/G INSUL. ON PRI.MANWAYS
214		421	RMV RX HD PLSTC SHROUD, GUIDE STUDS, STUD CVRS. INFL BT
197		386	REMOVE AND REPLACE SNUBBERS IN U-1 CONT
193		389	REMOVE & REPLACE PZR SAFETY VALVES
192		143	I&C REBUILD NIS DETECTOR
171		446	REPLACE FIELD CONNECTORS ON 31/35 NIS DETECTORS
167		169	UNLOAD EDDY CURRENT BOXES
167		184	REPAIR AIR CYLINDER ON MANIPULATOR CRANE U2
166		19	RECEIVE, UNLOAD, INSPECT, STORE NEW FUEL
166		407	LEVEL CAL. SUMPS A, B, & C U-1 CONT
163		451	REMOVE&RETORQUE BOLTS ON PZR SPRAY VALVE U-1
154		392	EXTEND GRATING ON 11&12 SG HANDHOLE AREA
154		428	REMOVE&REPLACE UPPER INTERNALS U-1
146		361	U.T. EXAM OF SG SHELL WELD
146		376	INSTALL REMOVE SPARE SOURCE RANGE DET.
143		75	SCRAP DISCH PIPING IN WST CONC PMP RM
138		455	RPLC DESURGER BLADDER ON #12 CHRQ PMP.
136		412	REMV LOOP B SAMPLE VLV & INSTALL NEW VLV
133		145	REMOVE & REPLACE VARIOUS SNUBBERS IN AUX BLOCS
125		364	REMV T RPLC WITH 90 L &REMV OBSLT LN 121 CVCS MNT TK
120		298	TEST&MOVE FUEL ASS.D-34FROM SL-17 TO SP-22
116		221	REMOVE&REPLACE REFUELING FLANGE
115		264	INSTALL SUCTION STABLIZER ON 21 CHG
114		97	ADD REINFORCING PLATES ON BEAMS-NEW FL BASKETBALL CT
112		209	REPLACE INCORE THIMBLES U2
105		102	REPACE VARIOUS VLVs ON RHR SYSTEM
105		224	REMOVE&INSTALL UPPER INTERNALS
104		401	INSTALL&REMOVE BLANK FLANGES ON SUMP B LOOPS A&B
99		305	REPAIR SEAL SGPM CONC RECIRC PMP #1
99		367	INSPECTION OF SUPPRESSOR SHOCKS
98		351	THERMAL GROWTH OF FEED LINE MEASUREMENTS
96		159	REPAIR EXCESS LETDOWN PRESSURE INDICATION
95		379	INSTALL CONTAINMENT EVACUATION ALARM
94		269	REPAIR WELD ON PIPING (U 2 LETDOWN)
89		200	PZR AUX SPRAY VALVE, REPAIR, U2
88		225	REPAIR 5GPM EVAP SUMP LEAK
87		82	INSTALL PIPING IN 2ND FLOOR ADT AREA
86		11	LAUNDRY, RESP. DECON. DRY CLEANING, WASHING
83		15	INSFRCTION & MINOR WORK IN ANNULUS
83		233	INSPECT CV-31233&CV-31234 (PZR PWR OP RELIEFS)
81		437	REMOVE, TEST, REINSTALL U-1 PZR PWR OP RELIEFS
80		232	REMOVE 21 SGBD HEAT EXCH. TUBE BUND. AND CV-31608
79		196	PM ON FAN COIL UNITS U2 CONT.
78		207	CLEAN RX STUD BOLTS U2

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76		358	RPLC CHARCOAL FILTERS ON 11 & 12 CONT. CLEANUP FANS
73		323	REPAIR METERING TK DRIVE SHAFT, & CLEAN CV-31872
73		466	CUT UP ON VENT. DUCT WORK FROM #1 CONTAINMENT
72		144	RPLC 3WAY PLUG WITH 90 ON RHR SUMP PMP DISCH LINE
72		375	REPAIR AND MOD. MANIPULATOR CRANE
71		422	RPLC PACKING & BONNET GASKET ON MV-32195
71		423	RMV & RPLC TRANSFER TUBE REFUELING FLANGE
65		341	MOVE SPENT FUEL RACK TO BARREL YARD
64		219	INSTALL SURVEY LOCATORS ON LOOPS
64		472	REPAIR HI-LEVEL ALARM, AUX BLDG, SUMP
61		114	REPLACE DE-SURGER ON #11 CHG. PUMP
60		100	REPLACE DIAPHRAM ON WL-29-29 WST HOLDUP TK STR. ISL
60		251	REMOVE AND REPLACE SG PRIMARY MANWAY COVERS
60		443	REMOVE NUC. INSTR. COVERS & INSPECT FOR LEAKAGE
59		94	REPLACE RUPTURE DISC ON 2 GPM EVAP
58		183	PM ON MANIPULATOR CRANE U2
57		188	REMOVE THIMBLE PLUG HAND TOOL FROM U2 CONT.
56		191	RELOCATE 21&22 ACCUM. PRESS. TRANS.
54		134	CHANGE UP ENDER MOTOR
53		79	INSTALL VENT LINES ON U1&U2 SMPL HOODS
53		211	REPACK ANNULUS VALVES MV-32174, 32176, 32177 U2
51		257	REMOVE SPARE SOURCE RANGE DET. & PWR RANGE DET.
50		459	UNPLUG SUC & DISCH PIPING ON WASTE CONC TK PMP
50		336	REPAIR #21 B.A. EVAP EDUCTOR ON DISTILLATE PMP VENT
50		372	MODIFY CONT. PURGE SUPPLY AND EXHAUST PEN.
48		254	MV-32187 (RWST TO RHR SUCT. VLV.) HANDWHEEL ENGAGE.
47		387	INSPECT INTERNALS LIFTING RIG & INSTALL WRENCH
47		409	PULL AND REPLACE INCORE THIMBLES U-1
46		275	REPAIR STEAM SUPPLY VLV TO 5 GPM EVAP
45		280	CUT UP OLD VENTILATION DUCT WORK FROM #2 CONT.
44		157	REPAIR UNDERWATER LIGHTS IN SFP
44		287	CUT & WELD 5GPM COND. RETURN LINE
44		452	TIGHTEN PACKING ON SI-15-6 (LOOP 'A' SI INJECT U-1
42		204	PM 21&22 RCP MOTOR
42		216	REPACK 21 RCP THERMAL BARRIER LP ISO VALVE
42		440	REPACK VENT VALVE ON 11 ACCUMULATOR
41		77	REPAIR CV31915
41		135	REMOVAL OF GANTRY CRANE FROM SFP ENCLOSURE
41		171	INSPECT FOR LEAKAGE ON U2 RX HEAD
41		450	DRILL HOLES IN RODS OF INTERNALS LIFTING RIG
39		295	CAULK ALL FLOOR DRAIN PENETRATIONS
36		312	DIVER WORK IN SFP FOR FUEL RACK, & FUEL TRANS AIR MTR
35		54	REPACK 21 CHG PUMP/REPAIR SPOOL PC LEAK
35		270	CHANGE DIAPH. U-2 LET DOWN FILTER OUTLET
34		220	REPAIR CAMERA BRACKETS IN CAVITY
32		213	REPLACE DIAPHRAGMS ON VCT & BLENDER VALVES
31		339	STRAIGHTEN THIMBLE PLUG ASS. & INSPECT FUEL
30		228	LOWER FISSION CHAMBER INTO RX CORE U2
30		456	INVESTIGATE & REPAIR CV-31232 PZR PWR OP RELIEF
28		223	UNLATCH FULL LENGTH CONTROL RODS
28		315	REPLACE PACKING ASSEMBLIES ON #13 CHRG PMP

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28		400	CLEAN RX STUD BOLTS U-1
28		404	REPAIR VC-25-2
27		50	REPAIR 11&23 CHR.G.PMO.VARI-DRIVE UNIT
27		308	CLEAN BA OFF SI VLVS
26		86	INSTALL SAMPLE NOZZLES ON 1R-22
26		133	INSPECT FUEL TRANSFER SYSTEM
26		201	ISOLATE,REMOVE&REPAIR REGEN HX RELIEF VALVE U2
26		215	I&C CALIB. OF SUMP"C" LEVEL INSTRUMENTS U2
26		249	REPACK RCS LOOP "A" SUPP. TO RHR&MV-32173&2RC-1-4
26		374	REPLACE RC.TEST FLOW INDICATOR
26		406	REMOVE,TEST,REPLACE VC-25-1
25		136	CHANGE #123| ADT FILTERS
25		292	CLEAN BORIC ACID FROM VARIOUS VALVES
24		20	MACHINIST WORK IN HOT MACH.SHOP
24		85	REPAIR UNDER WATER LIGHTS
24		89	INSTALL PIPING,SAMPLE BOMB,&FILERS ON POST ACCID.SYS
24		192	PM U2 INCORE DETECTOR DRIVE UNITS
23		234	REALIGN GLAND PLATES IN SI PMP SUCT VALVE FROM RWST
23		395	REPAIR OF TEST CONNECTION ON #12 RCP SEAL INJ.VENT
23		471	REPLACE FCV-307, #21 BA EVAP
22		126	CLEAN S.F.P. PMP STRAINER
22		180	REMOVE AND REPLACE PURIF. JUMPER U2
22		206	EDDY CURRENT INCORE THIMBLES U2
22		277	REPLACE AIR MOTOR TRANSFER CANAL(OTHER PERSONNEL)
22		257	REPAIR/REPLACE 2VC-252 LETDOWN RELIEF
22		322	INSTALL SUPPORTS& SHIELDING SMP SINK DRNS TO RHR PIT
22		326	REPAIR LEVEL INDICATOR ON WSTE CONC TK
22		474	TROUBLESHOOT HEAT TRACE FAILURE
21		88	REPLACE STUDS ON AERATED SUMP STRAINER COVER
21		95	REPACK CHR.G PMP PACKING ASSEMBLIES
21		271	INSTALL 5 GPM EVAP CONC. RECIRC PIPING
21		343	INSTALL LEVEL ALARM ON #11 BA EVAP. COND.TANK
20		205	INSTALL&REMOVE BLANK FLANGES ON SUMP"B" U2
20		331	PUMP SLUDGE FROM MISC. DRS. COLLECTION TK TO 55GAL
20		388	PRE-FUELING PM ON RCL CHANGE FIXTURE
19		246	REPLACE 2VC-17-14 (DRAIN VLV ON CHG LINE TO RHXH)
19		297	CHECK LEADS OF LTD U-2 LETDOWN HX
18		250	TIGHTEN PACKING ON SEAL WATER TO 21 RCP
18		262	REPAIR LEAK ON 21 RHR HX OUTLET
18		309	REPAIR #11 CHG PP BLADDER
18		346	REPLACE PREFILTER ON RAD WASTE BLDG VENT
17		115	INVEST./REPAIR LEAKAGE ON #12 CHG. PUMP
16		62	INSTALL POST ACC. SAMPLE LINES
16		83	REPLACE DIVERT VALVE IN U1 SAMPLE SYS
16		110	MILL PUMP FLANGE FROM MONTI
16		151	WORK ON SPENT FUEL CATCHER BASKET
16		160	REWORK PZR SPRAY VALVE
16		356	REMOV. & RPLC PURIFICATION JUMPER
16		408	11 & 12 RCP SEAL FLOW CAL.
16		445	REPACK SI-20-38 COLD LEG 11 ACCUM FILL
15		138	FLUSH BA PIPING CL CLEAN UP