

50-424/425-DCA-3 4/19/95

I-MOSBA-81

Exhibit 81, page 1 of 42
DUCKETED
USNRC

OUTAGE TURNOVER LOG

'95 MAY -3 P5:03

SUPV. OR COORD.	SHIFT	OFFICE OF SECRETARY CONTROL BUILDING/OUTSIDE AREAS TESTING & SERVICE BRANCH	
Warren	Day		4/6/90 Pg-1
PRIORITY	REMARKS		
	Diesel Gen 1A - Worked on Air receiver + cleared out residue inside. Ran Diesel twice, 80 second + 70 second run. Clearance being hung + then ACP installation. Will follow MWO 150001729		
	Chasing down WRT's 6775 + 6776 on BFII's Loop 1 + 4 to have converted to an MWO. WRT's were at Work Planning @ 2:30 P.M.		
	ARI's Loop 1 + 4 - Clearances 15425 + 15552 are being worked by Dick Lassiter for cable terms. May finish 15425 by end of shift + 15552 by 12:00 Noon 4/7/90. Once Dick Lassiter finishes Mike Godfrey can sign off clearance.		

9505240242 950419
PDR ADOCK 05000424
PDR92 PROJECT
054859

NUCLEAR REGULATORY COMMISSION

Docket No. 50-424-06A-3 Official Exh. No. Int. 81
 In the matter of Vogtle Units 1+2
 Staff IDENTIFIED ✓
 Applicant RECEIVED
 Intervenor ✓ REJECTED
 Contg. Oftr DATE 04-19-05
 Contractor Witness Buckhold
 Other
 Reporter J. Z. Link

OUTAGE TURNOVER LOG

SUPV. OR COORD.		SHIFT	CONTROL BUILDING/OUTSIDE AREAS	4/4/90
Warren		Day		Pg-2
PRIORITY	REMARKS			
	5) Insulators working in North Valve room on 'A' level. Also fuelling cans, etc. For hangers installed/changed during outage.			
	6) New schedule for D.G. 1A being developed to support start-up. Also covers 'B' ESFAS & 'B' Diesel. Trying to schedule 'B' ESFAS for 5:00 P.M. 'B' Train MU'd 19001731, 'A' Train 19001729.			
	7) MU'd 19800823 should work tonight on AFW Terry Turbine Pump (1-1302-P4-001-K01). Inboard Bearing leak-off = excessive when pump is running. Should go to B. Mullinax tonight. (Made 3 restraint.)			
	8) MU'd 19001626 on Hyp. Cooling Tower fence closure at ramp on North side.			

9112
DIESEL GEN
TESTING

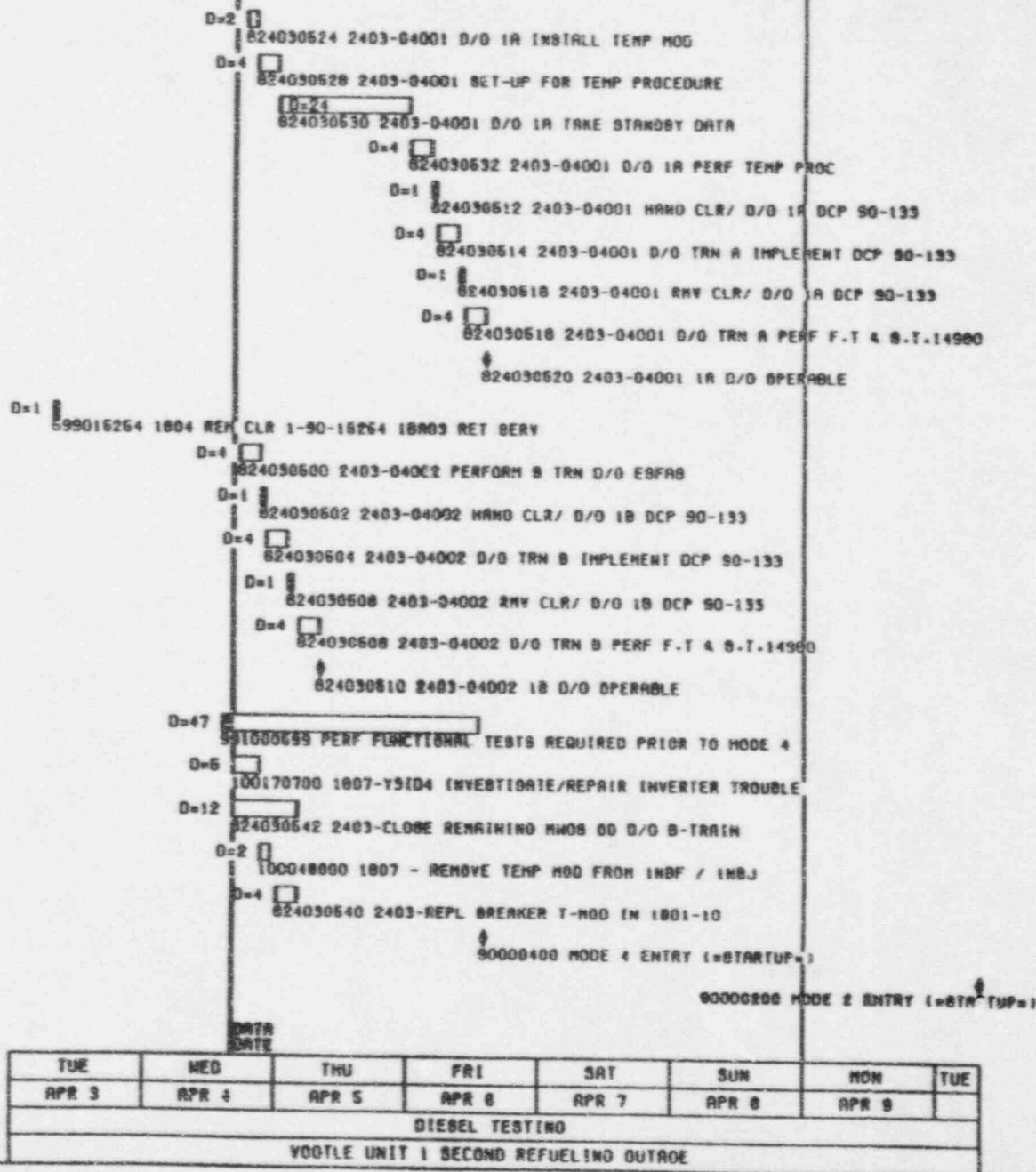
8
D/O A
TESTING

7
D/O B
TESTING

8
D/O SUPPORT
WORK

VOOTLE UNIT 1 SECOND REFUELING OUTAGE							
DIESEL TESTING							
APR 3	APR 4	APR 5	APR 6	APR 7	APR 8	APR 9	
TUE	WED	THU	FRI	SAT	SUN	MON	TUE

Rec'd 4/4/90.
@ 5:25 P.M.



92 PROJECT

D/G TESTING

Redd 4/10/82 @ 6:50

VOGTLE UNIT 1 SECOND REFUELING OUTAGE

DIESEL TESTING

APR 1	APR 2	APR 3	APR 4	APR 5	APR 6	APR 7	APR 8	APR 9
SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON

DIESEL GEN
TESTING

624030534 2403-04001 D/O 1A NRC APPROVAL FOR DCP
D=1 699016264 1804 REM CLR 1-90-15254 16:00 RET SERV
D=2 100048000 1807 - REMOVE TEMP MOD FROM INBF / INBJ
D=4 624030600 2403-04002 PERFORM B TRM D/O ESFAS
D=1 624030502 2403-04002 HANG CLR/ D/O 1B DCP 90-133
624030536 2403-04001 D/O 1A NRC APRV FOR TEMP MOD
D=4 624030504 2403-04002 D/O TRM B IMPLEMENT DCP 90-133
D=1 624030506 2403-04001 RMY CLR/ D/O 1B DCP 90-133
D=4 624030508 2403-04002 D/O TRM B PERF F.T & S.T.14980
624030610 2403-04002 1B D/O OPERABLE
D=1 624030512 2403-04001 HANG CLR/ D/O 1A DCP 90-133
D=4 624030514 2403-04001 D/O TRM A IMPLEMENT DCP 90-133
D=1 624030516 2403-04001 RMY CLR/ D/O 1A DCP 90-133
D=4 624030518 2403-04001 D/O TRM A PERF F.T & S.T.14980
624030520 2403-04001 1A D/O OPERABLE
D=24 991000599 PERF FUNCTIONAL TESTS REQUIRED PRIOR TO MODE 4
D=1 624030522 2403-04001 HANG CLR/D/O 1A/FOR TEMP MOD
D=2 624030524 2403-04001 D/O 1A INSTALL TEMP MOD
D=1 624030526 2403-04001 RMY CLR/D/O 1A/ AFTER TEMP MOD
D=4 624030528 2403-04001 SET-UP FOR TEMP PROCEDURE
D=24 624030530 2403-04001 D/O 1A TAKE STANDBY DATA
90000400 MODE 4 ENTRY (=STARTUP=)
D=4 624030532 2403-04001 D/O 1A PERF TEMP PROC/14980
90000200 MODE 2 ENTRY (=STARTUP=)

D/G TESTING

DATA
DATE

SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON
APR 1	APR 2	APR 3	APR 4	APR 5	APR 6	APR 7	APR 8	APR 9

DIESEL TESTING

VOGTLE UNIT 1 SECOND REFUELING OUTAGE

OUTAGE TURNOVER LOG

[illegible]

OUTAGE TURNOVER LOG

[illegible]

Mode 4 Restraints

Control 19000207 - Bldg. Clean
3-K120
3-2114 19000480 - Temp Mod INBF-CM

mt. 19000542 - HV8882 2S

ULF 113

mt

B/L

mt

LB

LB

4-2015

23

0580 - PT0947 - 10S

0716 - RHR Interlock 3A

0749 - INAD1/INAD4 1A

0930 - 1201 Filings 3A

0954 - Accum #3 2A

1112 - IAB05 1A

1132 - IAB04 LF 1A CB B76

1220 - Floor plug 2A

1268 - RVLIS 3A

1348 - ESF Rm. Cooler 3D

1474 2D

1485 - RHR 13 Strut in

1512 - NG A 7P

1540 - 1208 5B 3E

1880 - 8172 - Break Air 2A

1890 5339 - HV15216d 9A RB

1880 8549 - HV 8804A 2A

18900437 - IAB05 6S CB B76

18903583 - HV1669A 1A NSCW 1B

4438 - HV1669B 1A NSCW 1B

4434 - HV1669A 1A NSCW 1B

4441 - HV1215 6E CA325

18802109 - HV Snubbers 2A

9093 - HV3508 9E

18905284 - Snubbers 2A
DCP 89-44

2593 - Purg 7A

2578 " 7A

5278 - CUCS Snubbers 2A
DCP 89-49

~~5335 - HV15216d~~

5338 - HV15216C 9A

5655 - RHR Rm. Cooler 2F

~~5655 - RHR Rm. Cooler~~

5823 - RCS Snubbers 7P

6190 - Floor plug 8S

19001433 - D/C - 1A 7P

1339 - D/G - 1A 7P

1237 - F.P.C.I 2A

1250 - M. 3A Snubbers 2A

0512 - DCP 89-45 8M

0521 - Snubler AFW 2A
DCP 89-45

1035 - HV8220 1A

1358 - Ren 72A 2A

8804 - " " 4A

0977 - SGLD HV9457 1F

1548 - Emeg Sump 2A

Diesel Gen 1A MWO list

Awaiting FWC/Resolution

19001433	1PSL 4886	7A
19001576	2A	1A
19001136	Thermal Overload	2A
19001629	2A	3A
18906464	Fuse-G.I (LK)	4E
18902779	Final Review	1F
19001512	Torque seal broken ^{MER} Kink	1F

Awaiting FT/Signature by Ops

19001339	Press Switch	C.R,
18900394	Lube Oil Cooler	C.R,
19001273	Air Compressor	C.R,
19001406	Alarms	C.R,
18903280	Lo Lube Oil Press, Trip	P.K,
19001294	Hot Retorque	P.K,
19001380	Left Fuel Rack	C.R,

OUTAGE TURNOVER LOG

SUPV. OR COORD.	SHIFT	CONTROL BUILDING/OUTSIDE AREAS	3/30/90
Warren	Day		Ag-1
PRIORITY	REMARKS		
	Diesel Gen '1A' - I-C substituting the Lube oil Pressure Switch with another one. We'll have to calibrate, etc. as an '1B' Diesel then try another series of tests before declaring operability. (Depending on NRC)		
	Switch calibrated & installed @ 11:15 A.M.		
	Waiting for Mgmt. decision / NRC approval for next step. Decision made to replace 2 Turbo Lube oil Switches. MIVES in planning @ 2:15 P.M.		
	INBOS and INBE work is complete and clearance signed off.		
	IABCS S/WGR is still working & will try to get by shift's end. IABCS Complete @ 1:45 AM		
	Maintenance still working TPCW Pump #1 on DCP 90-115. David Seckinger working.		

OUTAGE TURNOVER LOG

SUPV. OR COORD.	SHIFT	CONTROL BUILDING/OUTSIDE AREAS	3/30/90
W. J. J. J.	Day		Ag-2
PRIORITY	REMARKS		
	Started 'B' Train A/C Motor Arrive Pump @ 6:44 A.M. Core Group continuing work on Footing Security 14. NCP on 1st 2 Control Bldg. MUC 19000296 NCP-90-326 IF 'A' Diesel is declared operable tonight on early A.M. we should be ready to get into Normal Tower IF. Need security for - 11:00 case entry of Carpenter/I-C both have MUC's inside dog-house, MUC, ATS & cables to work also.		
	92 PROJECT 054858		

OUTAGE TURNOVER LOG

SUPV. OR COORD.		SHIFT	CONTROL BUILDING/OUTSIDE AREAS	3-29-90
Smoyer		NITES		
PRIORITY	REMARKS			
	- o Diesel "A" - No Run TONIGHT - OPS To Roll ENG AROUND 6:00 AM - 8:00 AM IS SCHEDULED Run Time			
	o INBO8 + INBE CLEANING IN PROGRESS - HOPE TO BE DONE BY END OF SHIFT + HOPE TO HAVE STARTED ABO5			
	o MSIV^S NORTH VALVE Rooms Completed			
	o AFWPH "B" MAINT MAY TRY + Run IN AM OPS wouldn't let them TONIGHT - PACKING NEEDS ADJUSTED IF THEY DO			
	o AFWPH "C" TERRY TURBINE - CONTINUED WORK			
	o CLEARANCE 19015198 - HAD INCORRECT SUBCLEARANCE VOIDED + Resubmitted AS PER your Request - 15198 still HAS 4 PEOPLE SIGNED ON - FRY, SILVA, SECKINGER + BROWN			

OUTAGE TURNOVER LOG

SUPV. OR COORD.	SHIFT	CONTROL BUILDING/OUTSIDE AREAS	3/29/90
Warren	Day		Pg-1
PRIORITY	REMARKS		
	Diesel Gen '14' - started up first time no problems identified. Now must perform all checks on 14 Diesel as we just finished on 13. Cooper personnel on-site & working in panel now.		
	Clearing SUIER INBCF under clearance 15467 INBE is under 15257. Should finish today. Will turn over to night shift to finish INBCF. Also try to get INBE completed.		
	Hyperbolic Cooling Tower Basin and Circ. Wtr. Flume have been filled by Ops.		
	still working AFU PH valve 1-1301-614-264 in Maint. shop		

OUTAGE TURNOVER LOG

SUPV. JR COORD.	SHIFT	CONTROL BUILDING/OUTSIDE AREAS	3-28-90
Smoyer	Nites		
PRIORITY	REMARKS		
o Diesel / "A" - SCHEDULED TO START AT 6:00 AM - ALL DEPENDS. VALVE 1HV 8485B OPERATOR IS (CCP) ^{CENT. CHARGING} TORN APART IN THE HOT SHOP - NEEDS REASSEMBL + MOVAT TESTED. TO MAKE "B" TRAIN OPERABLE FOR THE D/G RUN. o INBF - SHORTAGE OF ELECTRICIANS TONIGHT - CLEANING INBF NOW + WILL INSTALL TEMP MOD 1-90-014 AFTER GEAR COMPLETED. MAY FINISH BY END OF SHIFT? o msiv³ - MARCUS IS STILL STROKING + MAKING ADJUSTMENTS ON VALVES o AFWPH "C" TERRY TURBINE - ASSEMBLING LUBE SYSTEM + COMPONENTS BACK TOGETHER + CIMCO INSTALLING HANGARS.			

OUTAGE TURNOVER LOG

SUPV. OR COORD.	SHIFT	CONTROL BUILDING/OUTSIDE AREAS	3/28/90
W. Curran	Day		19-1
PRIORITY	REMARKS		
	1) Mtg. on Diesel '1A' situation today @ 10:00 A.M. N. Form decision on '1A' until '1B' is resolved. 1/2 missed part of a test on a DCP during yesterday/ last night. Test was run today (afternoon) & '1B' should be declared operable now. Work done under MOD-144457. Temp Mod 190-014 being removed due to same bus utilization for '1A' Diesel. Temp Mod 1-90-014 being installed so we can take down INBE. We need it in for 'A' Train Diesel work. Mod 190-0150 will do the work. (Reinstall for 'B' Train. (Will run '1A' at 8:00 P.M. tonight)		
	2) Disassembled valve 1-1301-114-264 in AFW PH for bench test & hydro. Still working in shop. Needs cleaning up.		
	3) Painters' working in North Valve Room & Main steam Tunnel area on BCP 90-44 & 90-45.		

OUTAGE TURNOVER LOG

SUPV. OR COORD.	SHIFT	CONTROL BUILDING/OUTSIDE AREAS	3-27-90
Smoyle	NITES		
PRIORITY	REMARKS		
	o Diesel Gen "3" - ALL RUNS + EMERG STARTS COMPLETED - UV TEST COMPLETED - STARTED 4 HR COOL DOWN AT 12:15 AM - HOT TORQUE COMPLETED * - STILL HAVE TO BORESCOPE CYLINDERS - OPS HAS TO PERFORM A SURVEILLANCE AFTER ENGINE COOLS DOWN		
	o VALVES 1-1301-44-357 + 358 IN NORTH VALVE ROOM WORK COMPLETED AND # 19000875, + 876		
	o MSIV³ MARCUS + ELECT. WORKED ON VALVES TONIGHT		
	o AUX FEEDWATER PUMP HOUSE TRAIN "C" MAINT CLEANING UP OIL SYSTEM + CHANGING SOME PARTS BECAUSE OF ASBESTOS CONTAMINATION.		

OUTAGE TURNOVER LOG

SUPV. OR COORD.	SHIFT	CONTROL BUILDING/OUTSIDE AREAS	3/2-101
1/10-101	Day		Pa-1
PRIORITY	REMARKS		
	Worked on calibration of Pressure switches on jacket water and Lube oil. Last one calibrated at approx. 2:00 P.M. Remaining tests etc. acceptable. Emergency start at approx. 5:50 P.M. Additional testing in progress.		
	Replaced some grating in Main steam Tunnel area.		
	Maintenance is clearing space for C-101-A.		

OUTAGE TURNOVER LOG

SUPV. OR COORD.	SHIFT	CONTROL BUILDING/OUTSIDE AREAS	3-26-90
Smoyer	Nites		
PRIORITY	REMARKS		
	o Diesel GEN "B" - mwo #19001511 I + C IS CHANGING out 4 instruments + need to CALIBRATE THEM - THE Diesel will NOT BE STARTED ON THIS SHIFT - IT SHOULD HAPPEN THE 1ST PART OF YOUR SHIFT (ENCLOSED IS mwo)		
	o MSIV Σ MARCUS STILL HAS some TESTS TO RUN But will NOT HAPPEN TILL Tues OR WED. He's WORKING THE South VALVE Room FIRST		
	o NSCW "B" DID NOT MOVAT ANY VALVES AS you SAID IN your TURNOVER		
	o Fitters WORKED on A HANGER in AFWPH "C" TONIGHT		
	o HERE ARE EXTRA COPIES OF your ⁶⁷⁰³ ABO3 outage		

OUTAGE TURNOVER LOG

SUPV. OR COORD.		SHIFT	CONTROL BUILDING/OUTSIDE AREAS	3/26/90
Warren		Day		Ag-1
PRIORITY	REMARKS			
	Diesel IB - Engineering review/testing in progress on Control Panel. Logic Board change-out should help isolate problem. Discovered a difference of eight lbs of pressure where it should have been two. I-C testing further and Cooper/Render personnel continuing to evaluate/test. Possible trial run around 4:50 AM mid-shift. Functional test of logic board change is in-progress. Also heating up Diesel.			
	NSCU Tower IB - MOVAT testing on IHV11613 Discharge Isolation Valve for NSCU Pump #4. Two MOVATs remain until 'B' Train is taken down for the outage.			
	Sequence 1 of DCP 87-304 on the Utility Water Bypass Feed for Circ. Water is Field Mark complete. Functional test will be on sequence 2 sometime after the outage.			

OUTAGE TURNOVER LOG

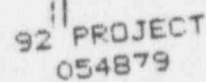
SUPV. OR COORD.	SHIFT	CONTROL BUILDING/OUTSIDE AREAS	3/25/90
<i>1/1/90</i>	Day		A-1
PRIORITY	REMARKS		
	Diesel Bldg 1B + 1A - No work on-going in the A.M.		
	North Valve Room - Pipe Fitters working on NSP 90-44. 2 Hangers left to complete. Should finish by end of shift. Needs a real good clean-up effort. Also some Insulators are replacing insulation on the API lines on the West side.		
	No obvious work on-going in NSCW 1B Tower. Rigging is still set up in preparation for 'B'-Train outage. Security re-scheduled for Wednesday A.M. possibility.		

OUTAGE TURNOVER LOG

SUPV. OR COORD.		SHIFT	CONTROL BUILDING/OUTSIDE AREAS	3/24/90
Warren	Day	Ag-1		
PRIORITY	REMARKS			
	Diesel '1A' & '1B' on "Quarantine" status. Notify Control Room if entering & why. Latest available 'proposed' schedule for Diesel & RHR is attached to my turnover. I-C checking on P3 parts in all four Diesels for differences.			
	North Valve Room - Continuing work on ACP 90-44 hangers & spring can. Running some additional lighting for the Control Bldg roof EL.-225 also.			
	Talked to Don Young about material for ACP-89-115 seg. 2. He has verified & reserved all but about 15 feet of the 2X2X1/4" Angle iron. (Someone req'd some 400 ft. out after he reserved it.)			

92 PROJECT

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OUTAGE TURNOVER LOG

SUPV. OR COORD.		SHIFT	CONTROL BUILDING/OUTSIDE AREAS	3-23-90
SmoYER		NITES		
PRIORITY	REMARKS			
	- o DCP 87-34 MECHANICS FINISHED, ELECT HAVE TO INSTALL HEAT TRACING w/ E. EVERYONE BUT JERRY FRY IS OFF CLEARANCE (15198) - o INB02 SWGR - MAINT IS NOT GOING TO WORK - o DIESEL "B" RAN 8 HR + 4HR RUN ON HOT TORQUE FOUND LOOSE BOLT. HAD TO START ANOTHER 4HR RUN HAD I+C PROBLEMS - PUNT? - o MSUS CONTINUED TO WORK - o NSCW "B" 14U 1/607 PERFORMING POROSITY INSP + WILL START MAINT IN AM - o TEMP MOD 1-90-014 NEEDS ISSUED + INSTALLED			
92 PROJECT 054882				

OUTAGE TURNOVER LOG

SUPV. OR COORD.	SHIFT	CONTROL BUILDING/OUTSIDE AREAS	3/23/90
Warren	Day		Ag-2
PRIORITY	REMARKS		
	Diesel 1B - 8hr. run completed. Hot torque taken + additional 4hr. run required. Scheduled to start at 5:30 per J.B. Beasley.		
	NSCW Tower 1B - No work in evidence today. Trying to schedule all work in the doghouse for Sunday 7:30 A.M. until. Depends on Ops. May need security post (box) set on Tower.		
	Continued working ACP 90-44 in North Valve Room. Should Finish Late tomorrow or early Sunday. Working Spring can deletion/ installation + hanger replacement, stiffener also replaced.		

OUTAGE TURNOVER LOG

SUPV. OR COORD.		SHIFT	CONTROL BUILDING/OUTSIDE AREAS	3-22
Smoyer		NITES		
PRIORITY	REMARKS			
	- o Diesel Gen "A" - Just finished a Snoop Run at approx 5:15 - Nothing still conclusive			
	- o Diesel Gen "B" - Will attempt to start 8HR Run by 6:00AM maybe?			
	o On SCW "B" finished MOVAT Test on IHV-11612			
	- o Aux Feedwater "B" Pump Coupled & Valve Packed - FWC still needs Run			
	o MSIV^S North Valve Room - FWC as far as possible - Awaiting OPS to perform Funct. Test & a few minor adjustments			
	o Fe^S Elect Hooked up Heat Tracing Tonight			

92 PROJECT
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OUTAGE TURNOVER LOG

SUPV. OR COORD.	SHIFT	CONTROL BUILDING/OUTSIDE AREAS	3/22/90
Warren	Day		Pg-1
PRIORITY	REMARKS		
	Diesel Gen. 1B 8hr. run began at 12:15 P.M. today. Ken Stokes performed his tests this morning prior to the run starting. Tripped off at about 2:15 due to lube oil Indicator ^{temperature} switch. I-C removed switch & is working.		
	NSCW Tower 1B - Performing MOVAT on IHV-11612 (Discharge Valve on #6 NSCW Pump Motor.)		
	Experiencing program problems with MOVAT at 4:30.		
	Walked down Hyperbolic Cooling Tower looking over BT & clean-up effort. Some work still needed. Maint. working on De-Icing gate (MUO 19001229.) Received As-Built Drawings From Ecodyne for changes made under ACP-90-77. Engineering is reviewing the As-Built for acceptability.		

OUTAGE TURNOVER LOG

[illegible]

OUTAGE TURNOVER LOG

SUPV. OR COORD.	SHIFT	CONTROL BUILDING/OUTSIDE AREAS	2/21/90
Clayton	Day		Pg-1
PRIORITY	REMARKS		
	Diesel Gen 1B - Trying to get Ops to let us run it all morning. Maybe around 12:30-1:00. Some discussion about ESAS Test again due to Diesel problem yesterday, still trying to fire off 1B. At 3:00 identified a relay problem in the Engine Control Panel. I-C evaluating.		
	Working in North Valve Room on ACP-90-44, Installing some piping hangers/clamps. Torquing on Flow elements almost complete. FE-530 is torqued, still working on FE-520. Scaffolding over PI-3010 has been removed.		
	No work in NSCU Tower.		
	Batteries back on charge. (ABC-A) Due to use yesterday.		

OUTAGE TURNOVER LOG

SUPV. OR COORD.		SHIFT	CONTROL BUILDING/OUTSIDE AREAS	3-20-90
Smoyer		NITES		
PRIORITY	REMARKS			
0	Diesel GEN ²			
	1A - HAD SERIES OF START + WORKED OK			
	STILL ^{DC} LOOKING INTO SEQUENCER			
	1B TRYING TO GET 8 HR RUN STARTED			
0	1BBA SWITCH GEAR COMPLETED			
0	AFWP "B" STILL WORKING WITH COUPLING ALIGNMENT + NEEDS REPACKED YET			
0	NSCW "B" HV 11612 NO WORK ON MOVAT TEST - WILL DO TONIGHT			
	POROSITY INSP. IS COMPLETED ON WORM GEAR			
0	1NB02 - NEED TO GET WITH RON BURNS ON CONSIDERING			
0	SCAFFOLD OVER PV 3010 IN NORTH VALVE ROOM HAS TO COME DOWN BY END OF DAY SHIFT TODAY FOR MSIV ² TO MOVE IN TONIGHT.			
92 PROJECT 054888				

OUTAGE TURNOVER LOG

SUPV. OR COORD.	SHIFT	CONTROL BUILDING/OUTSIDE AREAS	3/20/90
Warren PRIORITY	Day	REMARKS	
		Diesel Generator 1B - Work continuing. Removed Empty oil drums and burn today. Lost approx. 4 1/2 hrs due to switchyard accident. Back in plant & working at 2:30 P.M. Trying to Finish '1B' Diesel & prepare for 8 hr. run, possibly tonight.	
		1A Diesel being evaluated for trip today.	
		Working 1BDA SWGR in R-322 control Bldg. Performing a P.M. on it. Should finish near end of shift or beginning of night shift.	
		Continuing work in the North Valve Room on FE520 & 530. Torging still in progress. Check for completion.	

92 PROJECT

OUTAGE TURNOVER LOG

SUPV. OR COORD.		SHIFT	CONTROL BUILDING/OUTSIDE AREAS	8-19-90
Smoyer		NITES		
PRIORITY	REMARKS			
	-			
	o WORK ABOUT COMPLETED ON DIESEL GEN "B"			
	- CHANGING A FEW GASKETS ON LUBE OIL PIPE & CHANGING OIL IN GOVERNOR			
	- AIR COMPRESSOR #1 NEEDS SERVICED, OIL CHANGE & BELT TIGHTENED			
	- AIR COMPRESSOR #2 NEEDS BELTS TIGHTENED			
	- ALSO REWORKING RCUR DRAIN VALVE			
	- HAVE WATER IN & HEATING			
	- TRYING TO GET CLEARANCE ^{START} & HEATING OIL			
	- SHOULD BE READY TO MAKE 8 HR RUN LATE THIS AFTERNOON PROVIDED OPS OK ^S			
	o AFWPH "B" Pump - IN WORK			
	STILL NEEDS PACKING INSTALLED			
	& Pump coupled & motor set			
	o mwo 18905995 AFW VALVE 1301-U4-264			
	HOWARD DAVIS SAID HYDRO IS REQUIRED & HYDRO PACKAGE SHOULD BE WITH PACKAGE			
	o "D" TRAIN BATTERIES 1DD1 & 1DD11 FWC			
	- 1BBA RM 322 IN WORK			

OUTAGE TURNOVER LOG

SUPV. OR COORD.	SHIFT	CONTROL BUILDING/OUTSIDE AREAS	3/19/90
Warren/Belcher	Day		Pg-1
PRIORITY	REMARKS		
	1) Diesel Generator IP - Accessory Drive shaft problem documented on DC 90-119[?]. Plan is to disassemble and try to get proper end-play (.05) in assembly. Possible fabrication of stem required. If not successful on old assembly a complete replacement is in the warehouse. Changing oil in Diesel on-going & remaining work progressing. (Appear to be able to utilize old accessory drive unit.) Must machine collar into tolerance.		
	2) Flow elements in North Valve Room are being worked. FE530 (North side) was installed and torquing is in progress. FE-520 also in place. DCP ^{90-044?} 89-044 also being worked on snubbers & hangers.		

3/19/90
Day shift

'B' Train Diesel Gen Punch List

- F/C
- ① Cold Compression and Peak firing press
 - ② Work Area preparation (day 1 ½ day) (day 8)
 - ③ Service Crankshaft Relief Valve (day 1 1/3 day)
 - ④ Crankshaft Hot Web deflection (day 1 1/3 day)
 - ⑤ Generator control inspections (day 1 - 2 - 3)
 - ⑥ Clean Generator (day 1-4)
 - ⑦ Foundation Grout (day 1)
 - ⑧ Cylinder Block insp. (day 1 - 5)
 - ⑨ Service Fuel injection Nozzles (day 1 and 6-9)
 - ⑩ Examine injection line supports (day 2)
 - ⑪ Cylinder Borescope insp. (day 2)
 - ⑫ Clean and megger Generator Bearing (day 2 and 3)
 - ⑬ Service Air Start Valves (day 2-5)
 - ⑭ Examine Fuel Injection Pump
 - ⑮ Engine control Panel inspections
 - ⑯ Turbo bracket and bolting
 - ⑰ Examine turbo and nozzle ring
 - ⑱ Examine exhaust manifold welds
 - ⑲ Service Thermocoupler
 - ⑳ Internal Base Insp.
 - ㉑ Internal Crankcase insp.
 - ㉒ Service barring Device filter
 - ㉓ Cold crank deflection and thrust
 - ㉔ Examine SG governor and accessory drive
 - ㉕ Starting air distributor filter
 - ㉖ Check governor linkage and shutdown
 - ㉗ Gear inspections
 - ㉘ Service fuel Pump linkage
 - ㉙ Service overspeed vent valves
 - ㉚ Service starting air compressors
 - ㉛ Service Butterfly valve
 - ㉜ Examine and Service Governor drive
 - ㉝ Service moisture traps
 - ㉞ Service Crankcase vacuum fan
 - ㉟ Adjust intake/exhaust valves
 36. General cleanup and turnover
 37. Evaluate Woodward governor settings
 38. Test SG governor trip setpoint
 39. Hot Retorque-Governor drive, turbo blast

Sunday
3/18/90

Day Shift

Page 2

"B" Train Diesel Gen Punch List

1. Cold Compression and Peak firing press
2. Work Area preparation (day 1 1/2 day) (day 8)
3. Service Crankshaft Relief Valve (day 1 1/3 day)
4. Crankshaft Hot Web deflection (day 1 1/3 day)
5. Generator control inspections (day 1 - 2 - 3)
6. Clean Generator (day 1-4)
7. Foundation Grout (day 1)
8. Cylinder Block insp. (day 1 - 5)
9. Service Fuel injection Nozzles (day 1 and 6-9)
10. Examine injection line supports (day 2)
11. Cylinder Borescope insp. (day 2)
12. Clean and megger Generator Bearing (day 2 and 3)
13. Service Air Start Valves (day 2-5)
14. Examine Fuel Injection Pump
15. Engine control Panel inspections WIP
16. Turbo bracket and bolting
17. Examine turbo and nozzle ring
18. Examine exhaust manifold welds
19. Service Thermocoupler
20. Internal Base Insp.
21. Internal Crankcase insp.
22. Service barring Device filter
23. Cold crank deflection and thrust
24. Examine SG governor and accessory drive Tonight
25. Starting air distributor filter
26. Check governor linkage and shutdown
27. Gear inspections Tonight
28. Service fuel Pump linkage
29. Service overspeed vent valves
30. Service starting air compressors WIP
31. Service Butterfly valve
32. Examine and Service Governor drive
33. Service moisture traps WIP
34. Service Crankcase vacuum fan WIP
35. Adjust intake/exhaust valves
36. General cleanup and turnover
37. Evaluate Woodward governor settings
38. Test SG governor trip setpoint
39. Hot Retorque-Governor drive, turbo blast

main CRY 2nd

Intercooler Repair

Saturday
Days - 3/17/90

Pg.
343

"B" Train Diesel Gen Punch List

Fuel?

1. Cold Compression and Peak firing press
2. Work Area preparation (day 1 1/2 day) (day 8)
3. Service Crankshaft Relief Valve (day 1 1/3 day)
4. Crankshaft Hot Web deflection (day 1 1/3 day)
5. Generator control inspections (day 1 - 2 - 3)
6. Clean Generator (day 1-4)
7. Foundation Grout (day 1)
8. Cylinder Block insp. (day 1 - 5)
9. Service Fuel injection Nozzles (day 1 and 6-9) wip
10. Examine injection line supports (day 2)
11. Cylinder Borescope insp. (day 2)
12. Clean and megger Generator Bearing (day 2 and 3)
13. Service Air Start Valves (day 2-5)
14. Examine Fuel Injection Pump wip
15. Engine control Panel inspections wip Needs FUNCTIONAL TEST
16. Turbo bracket and bolting
17. Examine turbo and nozzle ring
18. Examine exhaust manifold welds
19. Service Thermocoupler wip
20. Internal Base Insp.
21. Internal Crankcase insp.
22. Service barring Device filter
23. Cold crank deflection and thrust
24. Examine SG governor and accessory drive wip
25. Starting air distributor filter
26. Check governor linkage and shutdown
27. Gear inspections wip
28. Service fuel Pump linkage
29. Service overspeed vent valves
30. Service starting air compressors
31. Service Butterfly valve
32. Examine and Service Governor drive
33. Service moisture traps
34. Service Crankcase vacuum fan
35. Adjust intake/exhaust valves
36. General cleanup and turnover
37. Evaluate Woodward governor settings
38. Test SG governor trip setpoint
39. Hot Retorque-Governor drive, turbo blast
40. Main Brg Insp.
41. INTERMEDIATE REPAIR

OUTAGE TURNOVER LOG

SUPV. OR COORD.		SHIFT	CONTROL BUILDING/OUTSIDE AREAS	3-16-90
SmoYER		NITES		
PRIORITY	REMARKS			
	o DCP 88-070 SEQUENCER PANEL CHANGE - BILL Purdy DID NOT KNOW ANYTHING ABOUT THIS - I CALLED DAN HINES AT HOME & HE SAID THERE WAS NOTHING WE COULD DO. HE & RON BURNS NEED TO GET TOGETHER WITH OPS TO DISCUSS ALL THE IMPLICATIONS & WHAT TESTS THEY ARE GOING TO DO NEEDS TO BE COMPLETED BEFORE ANY SCHEDULING CAN BE DONE.			
	o Diesel Gen "B" - REPLACING GASKET ON RIGHT BANK INTERCOOLER ADAPTER - STARTED ENG CONTROL PANEL INSP - FOUND SOME KNICKED WIRES & A PIECE OF TUBING DAMAGED - WRT# ARE BEING RUN THROUGH - WORK PLANNING DOES NOT HAVE THEM YET - TORQUING #1 & #2 CYLINDER HEAD & MT HEAD SUB COVER - FUEL PUMP INSP FOUND A SPRING WITH AN INDICATION - REQUIRES PUMP CHANGE (ONE IS AVAILABLE) & ALSO REQUIRES 2 MORE PUMPS TO BE PULLED & INSPECTED - PUMPS ARE PULLED BUT NOT INSPECTED YET			

Diesel Gen Punch List

1. Cold Compression and Peak firing press
2. Work Area preparation (day 1 1/2 day) (day 8)
3. Service Crankshaft Relief Valve (day 1 1/3 day)
4. Crankshaft Hot Web deflection (day 1 1/3 day)
5. Generator control inspections (day 1 - 2 - 3)
6. Clean Generator (day 1-4)
7. Foundation Grout (day 1)
8. Cylinder Block insp. (day 1 - 5)
9. Service Fuel injection Nozzles (day 1 and 6-9) *comp*
10. Examine injection line supports (day 2)
11. Cylinder Borescope insp. (day 2)
12. Clean and megger Generator Bearing (day 2 and 3) *comp*
13. Service Air Start Valves (day 2-5) *comp*
14. Examine Fuel Injection Pump *wif*
15. Engine control Panel inspections *wif*
16. Turbo bracket and bolting *FWC*
17. Examine turbo and nozzle ring *FWC*
18. Examine exhaust manifold welds *FWC*
19. Service Thermocoupler *wif*
20. Internal Base Insp.
21. Internal Crankcase insp.
22. Service barring Device filter *FWC*
23. Cold crank deflection and thrust
24. Examine SG governor and accessory drive
25. Starting air distributor filter *FWC*
26. Check governor linkage and shutdown
27. Gear inspections
28. Service fuel Pump linkage
29. Service overspeed vent valves
30. Service starting air compressors
31. Service Butterfly valve *FWC*
32. Examine and Service Governor drive
33. Service moisture traps
34. Service Crankcase vacuum fan
35. Adjust intake/exhaust valves
36. General cleanup and turnover
37. Evaluate Woodward governor settings
38. Test SG governor trip setpoint
39. Hot Retorque-Governor drive, turbo blast
40. *NO. 2 COI INSPECTION - wif*
41. INTERCOOLER REPAIR *FWC*

OUTAGE TURNOVER LOG

Friday

3/16/92

PR - OF 4

SUPV. OR COORD.		SHIFT	CONTROL BUILDING/OUTSIDE AREAS	DATE	
WARREN/BELCHER		Day		3/16/90	PR - OF 4
PRIORITY	REMARKS				
	o V/Gen "B" Train work is going good. REINSTALLED INTER COOLER & CYL HEADS. WORKING ON MAIN BAGS INSTALLATION. DC WAS WRITTEN ON #5 & #7 MAIN BAGS & IS BEING DISPOSITIONED "USE AS IS". (KENT STOKES) *FUNCTIONAL TEST ON ENGINE CONTROL PANEL WILL BE DONE TONIGHT. (SEE PAGE 3) (*BY COOPER) o HYF COOLING TOWER WORK GOING WELL. INSPECTED 3 OF THE 4 FLUMES JOINT REPAIRS & THEY ARE GOOD. FLUME CLEAN UP IS STILL ON GOING. (SEE PAGE 4) o MSIV PARTS WAS ARE NOT ALL ON SITE. TERRY LEWISFORD SAYS THEY ARE SHIPPING TODAY & TOMORROW				

OUTAGE TURNOVER LOG

SUPV. OR COORD.	SHIFT	CONTROL BUILDING/OUTSIDE AREAS	3/16/90
Warren Belcher	Day		Pg - of 4
PRIORITY	REMARKS		

6 'B' & 'N' Batteries still on Equalize as of 6:45 A.M.

- DCP-88-070 Sequencer Panel Change - Dan Hines wants to run the Functional test for 'B' Train during the BAO3 SWGR outage window (3/25). It appears to be possible but Finalization is still on-going. Need to verify that batteries will still be fed since DC & A.C. will be off on BAO3 for cleaning. (Ron Burns & Hines to discuss). Same test for AAO2 SWGR window on 'A' Train. AAO2 no clearance as yet. Joe D'Amico is aware of these items & working on scheduling. John Smoyer, PLEASE get with Bill Purdy on the above tonight!

Day Shift
3/16/90

Page 3

"B" Train Diesel Gen Punch List

- FWC (1). Cold Compression and Peak firing press
- FWC (2). Work Area preparation (day 1 1/2 day) (day 8)
- 3. Service Crankshaft Relief Valve (day 1 1/3 day)
- FWC (4). Crankshaft Hot Web deflection (day 1 1/3 day)
- FWC (5). Generator control inspections (day 1 - 2 - 3)
- FWC (6). Clean Generator (day 1-4)
- FWC (7). Foundation Grout (day 1)
- FWC (8). Cylinder Block insp. (day 1 - 5)
- 9. Service Fuel injection Nozzles (day 1 and 6-9) WIP
- FWC (10). Examine injection line supports (day 2)
- FWC (11). Cylinder Borescope insp. (day 2)
- 12. Clean and megger Generator Bearing (day 2 and 3)
- 13. Service Air Start Valves (day 2-5) WIP
- 14. Examine Fuel Injection Pump WIP
- 15. Engine control Panel inspections
- FWC (16). Turbo bracket and bolting
- FWC (17). Examine turbo and nozzle ring
- FWC (18). Examine exhaust manifold welds
- 19. Service Thermocoupler
- 20. Internal Base Insp.
- 21. Internal Crankcase insp.
- FWC (22). Service barring Device filter
- 23. Cold crank deflection and thrust
- 24. Examine SG governor and accessory drive
- FWC (25). Starting air distributor filter
- 26. Check governor linkage and shutdown
- 27. Gear inspections
- 28. Service fuel Pump linkage
- 29. Service overspeed vent valves
- 30. Service starting air compressors
- FWC (31). Service Butterfly valve
- 32. Examine and Service Governor drive
- 33. Service moisture traps
- 34. Service Crankcase vacuum fan
- 35. Adjust intake/exhaust valves
- 36. General cleanup and turnover
- 37. Evaluate Woodward governor settings
- 38. Test SG governor trip setpoint
- 39. Hot Retorque-Governor drive, turbo blast
- 40. MAIN ENG INSPECTION - WIP
- FWC 41. INTERCOOLER REPAIR

OUTAGE TURNOVER LOG

SUPV. OR COORD.	SHIFT	CONTROL BUILDING/OUTSIDE AREAS	3-15-90
Smoyer	NITES		
PRIORITY	REMARKS		
	o HYP. COOLING TOWER		
	* HOT - NEED 40 TON PICKER FOR ECODYNE AT TOWERS AT 9:00 AM Tomorrow (Today For you)		
	o B + D BATTERIES - EQUALIZE, IN PROGRESS		
	o Diesel Gen "B"		
	- Left BANK INTER COOLER COVER BEING INSTALLED		
	- #7 MAIN BEARING ROLLED BACK IN - NEEDS TENSIONED		
	- #5 BEING ROLLED out - NEEDS PT ² + VISUAL INSPECTION + REINSTALLED		
	#19000606		
	- MWO out on Duplex Filter Valve LEAKING (SPARE VALVE AVAILABLE)		
	- REPLACING A LEAKING FUEL LINE		
	- CONTINUED CLEANING + INSPECTION GENERATOR CONTROL PANEL		
	- PERFORMING #1 & 2 CYLINDER HEAD FIRING- BACK		
	o ESF CHILLER "B"		
	- 18906023 - DCP 452 - NEED TO LAND LEADS + PERFORM Function (NO WORK)		
	- 18903772 - DCP 160 Seq#1 ↓ (NO WORK TONIGHT) FOR ELECT		
	↓ I + C WORKING - NEED PROCT WRE CHANGE - PASS ON TO DAYS		
	92 PROJECT 054900		

3/15/90 Day Shift

"B" Train Diesel Gen Punch List

Exhibit 51, page 42 of 42

1. Cold Compression and Peak firing press
2. Work Area preparation (day 1 1/2 day) (day 8)
3. Service Crankshaft Relief Valve (day 1 1/3 day) wip
4. Crankshaft Hot Web deflection (day 1 1/3 day)
5. Generator control inspections (day 1 - 2 - 3) wip
6. Clean Generator (day 1-4)
7. Foundation Grout (day 1)
8. Cylinder Block insp. (day 1 - 5) wip
9. Service Fuel injection Nozzles (day 1 and 6-9) wip
10. Examine injection line supports (day 2)
11. Cylinder Borescope insp. (day 2)
12. Clean and megger Generator Bearing (day 2 and 3)
13. Service Air Start Valves (day 2-5) wip
14. Examine Fuel Injection Pump wip
15. Engine control Panel inspections wip
16. Turbo bracket and bolting
17. Examine turbo and nozzle ring
18. Examine exhaust manifold welds
19. Service Thermocoupler
20. Internal Base Insp.
21. Internal Crankcase insp.
22. Service barring Device filter
23. Cold crank deflection and thrust
24. Examine SG governor and accessory drive
25. Starting air distributor filter
26. Check governor linkage and shutdown
27. Gear inspections
28. Service fuel Pump linkage
29. Service overspeed vent valves
30. Service starting air compressors 50%
31. Service Butterfly valve
32. Examine and Service Governor drive
33. Service moisture traps
34. Service Crankcase vacuum fan
35. Adjust intake/exhaust valves
36. General cleanup and turnover
37. Evaluate Woodward governor settings
38. Test SG governor trip setpoint
39. Hot Retorque-Governor drive, turbo blast.
40. Inspect #5 & #7 main Brgs. — wip