

Bob McCue

Bechtel Power Corporation

777 East Eisenhower Parkway
Ann Arbor, Michigan



Mail Address: P.O. Box 1000, Ann Arbor, Michigan 48106

36102

July 15, 1981

BLC-11161

Consumers Power Company
1945 West Parnall Road
Jackson, Michigan 49201

Attention: Mr. J.W. Cook
Vice President
Projects, Engineering and Construction

CC JDA QBS
KMH
CEK
JRQ
ZDO

orig
to me
Thanks
BA

Subject: Midland Plant Units 1 and 2
Consumers Power Company
Bechtel Job 7220
Project Schedule Change
Notice

Reference: Bechtel letter BLC-10802,
5/13/81 (Com 030110)

Project Schedule Change Notice (PSCN 1) issued Revision 11 of the Consumers Power Company Test Schedule. At the time of issuance Revision 11 contained unresolved turnover dates for certain systems. These systems were marked with an asterisk (*) next to the system description to indicate that further study and/or discussions were required.

This letter transmits PSCN 2 which finalizes many of the Revision 11 dates that were under further study. Attachment 1 to PSCN 2 indicates the system turnover dates that have been finalized.

The attached Revision 11 schedule, dated July 14, 1981 supercedes the Revision 11 turnover schedule dated May 12, 1981, and is hereby issued for use by all project personnel.

Very truly yours,

John A. Rutgers
John A. Rutgers
Project Manager

JAR/DJF/ksc
7/14/81

- Attachments: 1. PSCN 2
2. Rev 11 Turnover Schedule, 7/14/81

- cc: R.L. Baker (AA/B&W) w/a
R.C. Bauman w/a
C.T. Follin w/a
G.S. Keeley w/a
~~_____~~
D.B. Miller w/a
T.K. Postlewait w/a
G.W. Somsel w/a
T.J. Sullivan w/a

8402020073 831104
PDR FOIA
ZACK83-579 PDR

Written Response Requested: No

B/31

MIDLAND PLANT UNITS 1 AND 2
PROJECT SCHEDULE CHANGE NOTICE (PSCN)

NO.

2

PROJECT MANAGEMENT APPROVALS:

CONSUMERS POWER COMPANY

J. W. Coyle

DATE

7/9/81

BECHTEL POWER CORPORATION

Tom Peters

DATE

4/6/81

CURRENT PROJECT SCHEDULE DOCUMENTS AFFECTED:

- 1) Consumers Power Company Test Schedule for Turnover
- 2) Various other schedule documents that reflect turnover dates for systems.

DESCRIPTION OF CHANGE (Use continuation sheet, if required):

Finalization of Rev. 11 dates that were under further study and evaluation. These unresolved turnover dates were marked with an (*) asterisk next to the system description. This PSCN removes the asterisk for the resolved turnover dates, as shown on the attachments.

ATTACHMENTS:

- 1) A list of System T/O dates that have been further evaluated and finalized.
- 2) Consumers Power Test Schedule - Rev. 11 dated 7/14/81 (Supersedes Rev. 11 T/O Schedule dated 5/12/81)

REQUESTOR

J. Grady

REFERENCE(S)

CWG Meeting

PREPARED BY

J. Grady

DATE *7/1/81*

REVIEWER

Medlund

DATE *7-1-81*

Bechtel Project Cost/Schedule Supervisor

10-11-81

DATE 14 JUL 81 05:55:43 RID		2		10 JUN 81 865391-513		CPCO TEST SCHEDULE REVISION 11		B2142	
S/U	SYSTEM	T/O	E. T/O	A. RESPONSIBLE		ENG SV.	MINI.		
*SYSTEM	DESCRIPTION	DATE	L STATUS	F H/O ENGINEER		REVIEW F.	SCHED. F.	RID	
1ABA	MAIN STEAM SUPPLY & DRAINS	820801		PAPPS, R. S.		810316 A		66	
2ABA	MAIN STEAM SUPPLY & DRAINS	820601 E		PAPPS, R. S.		810316 A		120	
1ABB	MAIN STEAM ISOLATION	820901		PAPPS, R. S.		810806			
2ABB	MAIN STEAM ISOLATION	820701		PAPPS, R. S.		810806			
1ABC	MAIN STEAM ISOLATION	821001 L		PAPPS, R. S.		810806			
	CONDENSER & ATMOS. DUMP								
2ABC	MAIN STEAM ISOLATION	820801		PAPPS, R. S.		810806			
	CONDENSER & ATMOS. DUMP								
1ACA	MAIN HP&LP TURBINES	811001		COHEN, S. D.		810428 A		309	
2ACA	MAIN HP&LP TURBINES	810701 E		COHEN, S. D.		810428 A		310	
1ACB	MAIN TURBINE STEAM	820601		COHEN, S. D.		800817			
	SUPPLY STEAM & DRAINS								
2ACB	MAIN TURBINE STEAM	820401		COHEN, S. D.		800817			
	SUPPLY STEAM & DRAINS								
1ACC	MOISTURE SEPARATOR/REHEATER & MSR DRAINS	820601 L		COHEN, S. D.		800817		218	
2ACC	MOISTURE SEPARATOR/REHEATER & MSR DRAINS	820401		COHEN, S. D.		800817		121	
1ADA	CONDENSATE SUPPLY & LP FEEDWATER HEATING	820501		ANSALDO, C. P.		810506 A		67	
2ADA	CONDENSATE SUPPLY & LP FEEDWATER HEATING	811201		ANSALDO, C. P.		810506 A			
1ADB	HOTWELL MAKEUP & REJE	820801		ANSALDO, C. P.		810506 A			
2ADB	HOTWELL MAKEUP & REJE	810901 E		ANSALDO, C. P.		810506 A			
1ADC	MAIN CONDENSERS & INTERNAL	820801		KHURANA		810319			
2ADC	MAIN CONDENSERS & INTERNAL	810901		TANAKU, S.		810319			
1ADD	DEAERATORS	820801		ANSALDO, C. P.		810506 A			
2ADD	DEAERATORS	820701		ANSALDO, C. P.		810506 A			
1ADE	CONDENSER HOTWELL SAMPLING SYSTEM	820801 L		WANG		810319		215	
2ADE	CONDENSER HOTWELL SAMPLING SYSTEM	820701		WANG		810319		187	
1AEA	FEEDWATER SUPPLY & LP FEEDWATER HEATING	820601 L		ANSALDO, C. P.		810531		313	
2AEA	FEEDWATER SUPPLY & LP FEEDWATER HEATING	820401 E		ANSALDO, C. P.		810531		311	
0AEC	FEEDWATER UNIT CROSS-CONNECT	820401		ANSALDO, C. P.					
1AFA	HP EXTRACTION STEAM, ISOLATION & BLEEDER TRIP CONTROLS	821001 L		MEDALLE, V. V.				68	
2AFA	HP EXTRACTION STEAM, ISOLATION & BLEEDER TRIP CONTROLS	820801		MEDALLE, V. V.		0316			
1AFB	LP HEATER DRAINS, VENTS & LEVEL	821001		MEDALLE, V. V.		810923		216	

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CPCO TEST SCHEDULE REVISION 11

S/U	SYSTEM DESCRIPTION	T/O DATE	E. T/O DATE	A. RESPONSIBLE	ENG SY. REVIEW F. SCHED. F. RID
2AFB	LP HEATER DRAINS, VENTS AND LEVEL CONTROLS	820801		MEDALLE, V. V.	810923 217
1AFC	HP HEATER DRAINS, VENTS & LEVEL CONTROL	820913		MEDALLE V. V.	810923 69
2AFC	HP HEATER DRAINS, VENTS & LEVEL CONTROL	820701 E		MEDALLE, V. V.	810923 122
1AFD	LP EXTRACTION STEAM, ISOLATION & BLEEDER TRIP CONTROLS	821001		MEDALLE, V. V.	810923
2AFD	LP EXTRACTION STEAM, ISOLATION & BLEEDER TRIP CONTROLS	820801		MEDALLE, V. V.	810923
1AKA	CONDENSATE DEMINERALIZER SERVICE	820501		PATEL, B. V.	810709
2AKA	CONDENSATE DEMINERALIZER SERVICE	820401 E		PATEL, B. V.	810709
1AKB	CONDENSATE DEMINERALIZER REGENERATION	820701 L		PATEL, B. V.	810709 185
2AKB	CONDENSATE DEMINERALIZER REGENERATION	820401		PATEL, B. V.	810709 186
1AKC	CONDENSATE DEMINERALIZER CHEMICAL STORAGE & TRANSFER	820701		PATEL, B. V.	810709
2AKC	CONDENSATE DEMINERALIZER CHEMICAL STORAGE & TRANSFER	820401		PATEL, B. V.	810709 123
1ALA	AUXILIARY FEEDWATER	820701 L		ANSALDO, C. P.	810708 70
2ALA	AUXILIARY FEEDWATER	820601 E		ANSALDO, C. P.	810708 124
OANA	MAKEUP DEMINERALIZER			791015 A BAIER, J. W.	801117
OAMB	DEMINERALIZED WATER STORAGE & TRANSFER	811001 E		800328 P SHIETE, B. K.	810626 F
OANC	MAKEUP DEMINERALIZER CHEMICAL STORAGE & TRANSFER			791015 A BAIER, J. W.	801117
OAPA	CONDENSATE STORAGE	810901 E		SHIETE, B. K.	810421 A 312
1APA	CONDENSATE STORAGE	810901		SHIETE, B. K.	810421 A 252
2APA	CONDENSATE STORAGE	810901		SHIETE, B. K.	810421 A 253
OAPB	CONDENSATE TRANSFER	810901		SHIETE, B. K.	810421 A
1APB	CONDENSATE TRANSFER	820324 L		SHIETE, B. K.	810421 A
OAAQ	AMMONIUM HYDROXIDE STORAGE & TRANSFER	820401 E		PAPPS, R. S.	810715 2
1AQB	AMMONIUM HYDROXIDE ADDITION	820601 L		PAPPS, R. S.	810715
2AQB	AMMONIUM HYDROXIDE ADDITION	820401		PAPPS, R. S.	810715
1AQC	HYDRAZINE ADDITION	820601		PAPPS, R. S.	810715
2AQC	HYDRAZINE ADDITION	820401		PAPPS, R. S.	810715
OATA	HP STEAM TO PRESSURE REDUCTION STATION & PROCESS EVAPORATORS	811101		FLUENBROK, F.	810317 A 3
OATB	CONDENSATE RETURN TO MAIN CONDENSER (HP&LP)	811201		FLUENBROK, F.	810317 A 4

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S/U	SYSTEM DESCRIPTION	T/O DATE	E. T/O DATE	A. RESPONSIBLE	ENG SY. REVIEW F. SCHED. F. RID
OATD	HP STEAM TO DOW			FLUERENBROK, F	810317 A 5
	OATD-1 SUB-SYSTEM	820201		FLUERENBROK, F	
	OATD-2 SUB-SYSTEM	840301 L		FLUERENBROK, F	
OATE	LP STEAM TO DOW			FLUERENBROK, F	810317 A 6
	OATE-1 SUB-SYSTEM	820101		FLUERENBROK, F	
	OATE-2 SUB-SYSTEM	840301		FLUERENBROK, F	
OATF	PROCESS EVAPORATOR	820201		FLUERENBROK, F	810317 A
	BLOWDOWN TO DOW			FLUERENBROK, F	
OATG	CONDENSATE RETURN FROM DOW & DEMINER-ALIZED WATER FROM DOW	811201		FLUERENBROK, F	810317 A 246
OATJ	CONDENSATE CHEMICAL ADDITION	820101		FLUERENBROK, F	810317 A 272
OATK	CONDENSER SUPPLY & VACUUM DEARATORS	811201		FLUERENBROK, F	810317 A 7
OATL	FEEDWATER SUPPLY (HP&LP)	810901 E		FLUERENBROK, F	810317 A 8
OATM	IRON REMOVAL (CONDEN-SATE RETURN TO CONDENSER)	820101		FLUERENBROK, F	810317 A
OATN	IRON REMOVAL SUMP	820201		FLUERENBROK, F	810317 A 9
1B8A	IBBA-1 SUB-SYSTEM REFUELING CANAL, HEAD VESSEL, INTERNALS & PLENUM	811201		DONAHUE, M. S.	810331 A 71
	IBBA-2 SUB-SYSTEM REACTOR COOLANT LOOPS INSTRUMENTATION PIPING ETC.	820815 L		DONAHUE, M. S.	
2B8A	2BBA-1 SUB-SYSTEM REFUELING CANAL, HEAD VESSEL, INTERNALS & PLENUM	811015		DONAHUE, M. S.	810331 A 125
	2BBA-2 SUB-SYSTEM REACTOR COOLANT LOOPS INSTRUMENTATION PIPING ETC.	820615		DONAHUE, M. S.	
1B8B	PRESSURIZER & AUXILIARIES	820815		DONAHUE, M. S.	810117 72
2B8B	PRESSURIZER & AUXILIARIES	820616		DONAHUE, M. S.	810117 126
1B8C	REACTOR COOLANT PUMPS AND AUXILIARIES	820201 E		DONAHUE, M. S.	810331 A 73
2B8C	REACTOR COOLANT PUMPS AND AUXILIARIES	811201		DONAHUE, M. S.	810331 A 127
1B8D	STEAM GENERATORS	820815		DONAHUE, M. S.	810117 74
2B8D	STEAM GENERATORS	820616		DONAHUE, M. S.	810117 128
1B8A	DECAY HEAT REMOVAL	820201 L		CONEN, J. E.	810327 A 75
2B8A	DECAY HEAT REMOVAL	811201 E		CONEN, J. E.	810327 A 129
1B8A	LETDOWN	820301		HUNT, E. W.	810319 A 76
2B8A	LETDOWN	820101		HUNT, E. W.	810319 A 150
1B8B	LETDOWN PURIFICATION	820301		HUNT, E. W.	810319 A 199
2B8B	LETDOWN PURIFICATION	820101		HUNT, E. W.	810319 A 205

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CPCO TEST SCHEDULE REVISION 11

S/U	SYSTEM DESCRIPTION	T/D	E. I/O	A. RESPONSIBLE	REVISION	ENG SY. REVIEW F. SCHED. F. RID
*SYSTEM		DATE	L. STATUS	F. I/O ENGINEER		
1BGC	MAKEUP	820301		HUNT, E. W.		810319 A 77
2BGC	MAKEUP	820101		HUNT, E. W.		810319 A 131
1BGD	REACTOR COOLANT PUMP SEAL INJECTION	820301		HUNT, E. W.		810319 A 78
2BGD	REACTOR COOLANT PUMP SEAL INJECTION	820101		HUNT, E. W.		810319 A 207
1BGE	HIGH PRESSURE SAFETY INJECTION	820301		HUNT, E. W.		810319 A 79
2BGE	HIGH PRESSURE SAFETY INJECTION	820101		HUNT, E. W.		810319 A 132
1BGF	BORONMETER	820701 L		HUNT, E. W.		810319 A 190
2BGF	BORONMETER	820401		HUNT, E. W.		810319 A 203
1BGG	BORIC ACID ADDITION	820301		HUNT, E. W.		810319 A 80
2BGG	BORIC ACID ADDITION	811201 E		HUNT, E. W.		810319 A 133
1BGH	HYDRAZINE & LITHIUM HYDROXIDE ADDITION	820301		HUNT, E. W.		810319 A 202
2BGH	HYDRAZINE & LITHIUM HYDROXIDE ADDITION	820101		HUNT, E. W.		810319 A 210
1BGJ	FAILED FUEL MONITOR	820701		HUNT, E. W.		810319 A 204
2BGJ	FAILED FUEL MONITOR	820401		HUNT, E. W.		810319 A 206
1BGK	EMERGENCY BORATION	820501		BAUER, L. W.		810424 A 81
2BGK	EMERGENCY BORATION	820401		BAUER, L. W.		810424 A 134
1BHA	CORE FLOODING	820501 L		CONEN, J. E.		810327 A 82
2BHA	CORE FLOODING	820301 E		CONEN, J. E.		810327 A 135
1BKA	REACTOR BUILDING SRAY SUPPLY	820901		BAUER, L. W.		810901 83
2BKA	REACTOR BUILDING SRAY SUPPLY	820701 E		BAUER, L. W.		810901 136
1BKB	HYDRAZINE ADDITION	821001 L		BAUER, L. W.		810901 84
2BKB	HYDRAZINE ADDITION	820701		BAUER, L. W.		810901 137
1BKD	REACTOR BUILDING & EMERGENCY SUMP INSTRUMENTATION	821001		BAUER, L. W.		810901 85
2BKD	REACTOR BUILDING & EMERGENCY SUMP & INSTRUMENTATION	820801		BAUER, L. W.		810901 138
OBLA	PRIMARY WATER STORAGE & TRANSFER	811001 E		SHETE, B. K.		810421 A 10
1BL7	PRIMARY WATER STORAGE & TRANSFER	811201 L		SHETE, B. K.		810421 A 86
OBLB	UTILITY WATER STORAGE & TRANSFER	811101		SHETE, B. K.		810421 A 194
1BMA	STEAM GENERATOR RECIR	820801 L		ANSALDO, C. P.		810819
2BMA	STEAM GENERATOR RECIR	820701 E		ANSALDO, C. P.		810819
1BNA	BORATED WATER STORAGE	820201 L		BAUER, L. W.		810430 A 87
2BNA	BORATED WATER STORAGE	811101 E		BAUER, L. W.		810430 A 139
1BS7	REACTOR CAVITY FLOODING			DOMINQUE, M. S.		
2BSA	REACTOR CAVITY FLOODING			DOMINQUE, M. S.		
1BTA	REACTOR BUILDING PENE TRATE PRESSURIZED AIR	821216		CONEN, J. E.		820204 88
2BTA	REACTOR BUILDING PENE TRATE PRESSURIZED AIR	821014		CONEN, J. E.		820204 140

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CPCO TEST SCHEDULE REVISION 11
 T/O E. T/O A. RESPONSIBLE
 DATE L. STATUS. F. H/O ENGINEER
 CONEN, J. E.

SYSTEM DESCRIPTION

S/U SYSTEM

ENG SY. MINI.
 REVIEW. F. SCHED. F. RID
 820204 89

S/U	SYSTEM DESCRIPTION	T/O	E. T/O	A. RESPONSIBLE	ENG SY.	MINI.
18TB	REACTOR BUILDING PENETRATION	821201		CONEN, J. E.	820204	89
28TB	PRESSURIZED WATER REACTOR BUILDING PENETRATION	821008 E		CONEN, J. E.	820204	141
18TC	PRESSURIZED WATER LINERPLATE LEAKCHASE	821201		CONEN, J. E.	820204	200
28TC	PRESSURIZED WATER LINERPLATE LEAKCHASE	830101 L		COHEN, J. E.	810901	219
1CAA	STEAM SEALING	820901 L		COHEN, S. D.	810901	
2CAA	STEAM SEALING	820601 E		COHEN, S. D.	810428 A	
1CRA	TURBINE/GENERATOR BEARING LUBE OIL SUPP	811001 L		COHEN, S. D.	810428 A	
2CBA	TURBINE/GENERATOR BEARING LUBE OIL SUPP	810701 E		COHEN, S. D.	810430 A	305
1CCA	GENERATOR H2 & CO2	820901 L		COHEN, S. D.	810908	
2CCA	GENERATOR H2 & CO2	820601 E		COHEN, S. D.	810908	
1CDA	HYDROGEN SEAL OIL	811001 L		COHEN, S. D.	810428 A	
2CDA	HYDROGEN SEAL OIL	810701 E		COHEN, S. D.	810428 A	
1CEA	STATOR COOLING	820816 L		COHEN, S. D.	810906	
2CEA	STATOR COOLING	820601 E		COHEN, S. D.	810906	
OCFA	LUBE OIL STORAGE & TRANSFER	810701 E		ATENCIO, R. A.	810430 A	306
OCFB	LUBE OIL STORAGE PURIFICATION	810701		ATENCIO, R. A.	810430 A	308
1CFC	MAIN TURBINE LUBE OIL PURIFICATION	811001		ATENCIO, R. A.	810430 A	307
2CFC	MAIN TURBINE LUBE OIL PURIFICATION	810701		ATENCIO, R. A.	810430 A	
1CFD	FEEDWATER PUMP TURBIN LUBE OIL PURIFICATION	820801 L		ATENCIO, R. A.	810430 A	
2CFD	FEEDWATER PUMP TURBIN LUBE OIL PURIFICATION	820501		ATENCIO, R. A.	810430 A	
1CGA	HOGGING, EXHAUST PIPING & VACUUM RELIF	820623 L		PAPPS, R. S.	810507 A	297
2CGA	HOGGING, EXHAUST PIPING & VACUUM RELIF	820302 E		PAPPS, R. S.	810507 A	301
1CGB	STEAM JET AIR EJECTOR & AUXILIARIES	820623		PAPPS, R. S.	810507 A	
2CGB	STEAM JET AIR EJECTOR & AUXILIARIES	820505		PAPPS, R. S.	810507 A	
1CJA	MAIN FEEDPUMP TURBINE LUBE OIL	820701 L		ATENCIO, R. A.	810721	
2CJA	MAIN FEEDPUMP TURBINE LUBE OIL	820501 E		ATENCIO, R. A.	810721	
1CKA	MAIN TURBINE ELECTRO-HYDRAULIC CONTROL	820801 L		COHEN, S. D.	810808	
2CKA	MAIN TURBINE ELECTRO-HYDRAULIC CONTROL	820601 E		COHEN, S. D.	810808	
1CMA	MAIN TURBINE SUPERVISORY INSTRUMENTS	821001 L		COHEN, S. D.	810922	
2CMA	MAIN TURBINE SUPERVISORY INSTRUMENTS	820801 E		COHEN, S. D.	810922	

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CPCO TEST SCHEDULE REVISION 11

S/U	SYSTEM DESCRIPTION	T/O DATE	E. T/O DATE	A. RESPONSIBLE	ENG SY. REVIEW	MINI SCHED. F. RID
00AA	CIRCULATING WATER SUPPLY	820401 E	780405 P	GENEROSO, J.B.	810813	
10AA	CIRCULATING WATER SUPPLY	820701		GENEROSO, J.B.	810712	90
20AA	CIRCULATING WATER SUPPLY	820501		GENEROSO, J.B.	810712	142
10AB	WATER BOX SCAVENGING	820801 L		GENEROSO, J.B.	810712	91
20AB	WATER BOX SCAVENGING	820601		GENEROSO, J.B.	810712	143
00AC	CIRC. WATER TRASH RACKS SCREENS, ASSOC. INST.		780405 P	GENEROSO, J.B.	810712	11
10AC	CIRC. WATER TRASH RACKS SCREENS, ASSOC. INST.	820801		GENEROSO, J.B.	810712	92
20AC	CIRC. WATER TRASH RACKS SCREENS ASSOC. INST.	820601		GENEROSO, J.B.	810712	144
00BA	SERVICE WATER EFF-LUENT COOLING TOWERS	830401 E		SUTHAR, J. M.	810525	
00BB	SERVICE WATER MAKEUP	830401		SUTHAR, J. M.	810525	
00CA	SERVICE WATER TRAVEL SCREENS & SCREEN WASH	81101 E	780315 P	SUTHAR, J. M.	810429 A	12
00CB	COOLING POND MAKEUP TRAVELING SCREENS & SCREEN WASH		801110 A	GEZICH	810429 A	304
00DA	BRINE/HYPOCHLORITE STORAGE, SUPPLY & DIS	820401 E		BAIER, J. W.	810813	201
00DB	ACID STORAGE SUPPLY & DISTRIBUTION	820401		BAIER, J. W.	810813	240
10DB	ACID STORAGE SUPPLY & DISTRIBUTION	820401		BAIER, J. W.	810813	93
20DB	ACID STORAGE SUPPLY & DISTRIBUTION	820401		BAIER, J. W.	910812	145
00EA	COOLING POND MAKEUP		801110 A	GEZICH	810524	13
00EB	COOLING POND BLOWDOWN	820701 E		801110 P	810524	14
00EC	COOLING POND EMERGENCY POND	820701		780406 P	810524	
00ED	COOLING POND MAKEUP SLUICE GATE, TRASH RACKS & SCREEN		801110 A	GEZICH	810524	
00EE	COOLING POND BLOWDOWN TRASH RACKS & SCREENS	820701		780315 P	810524	
00EA	SERVICE WATER SUPPLY	811011		SUTHAR, J. M.	810304 A	15
00EB	SERVICE WATER SLUICE GATES	811001 E		SUTHAR, J. M.	810304 A	16
10EA	REACTOR BUILDING	820301		SUTHAR, J. M.	810304 A	183
20EA	REACTOR BUILDING	811101		SUTHAR, J. M.	810304 A	184
10EA	AUXILIARY BUILDING	811001		SUTHAR, J. M.	810304 A	94
20EA	AUXILIARY BUILDING	811001		SUTHAR, J. M.	810304 A	146
00EA	TURBINE BUILDING	820601 L	800328 P	SUTHAR, J. M.	810304 A	175

		CPCD TEST SCHEDULE REVISION 11				B2142			
S/U	SYSTEM	T/O	E. T/O	A. RESPONSIBLE			ENG SY.	MINI.	
SYSTEM	DESCRIPTION	DATE	L. STATUS	F. H/O ENGINEER			REVIEW	SCHED. F. RID	
* 1EAE	SERVICE WATER TURBINE BUILDING	811101		SUTHAR, J. M.			810304 A	95	
* 2EAE	SERVICE WATER TURBINE BUILDING	811001		SUTHAR, J. M.			810304 A	147	
* 1EAF	DIESEL GENERATOR BLDG. SERVICE WATER	820301		SUTHAR, J. M.			810304 A	173	
* 2EAF	DIESEL GENERATOR BLDG. SERVICE WATER	811201		SUTHAR, J. M.			810304 A	174	
* OECA	SPENT FUEL POOL	820101		PEOPLES, M. C.			810420 A	18	
* 1ECB	REFUELING CANAL & TRANSFER TUBE	811201		PEOPLES, M. C.			810420 A	365	
* 2ECB	REFUELING CANAL & TRANSFER TUBE	811015	E	PEOPLES, M. C.			810420 A	366	
* OECC	SPENT FUEL POOL COOLING	811201		PEOPLES, M. C.			810420 A	19	
* OECD	SPENT FUEL POOL PURIFICATION	820301	L	PEOPLES, M. C.			810420 A	244	
* OECE	SPENT FUEL POOL SKIMMER FACILITIES	820301		PEOPLES, M. C.			810420 A	245	
* OEGA	COMPONENT COOLING WATER	811215	E	SHETE, B. K.			810422 A	20	
* 1EGA	COMPONENT COOLING WATER	811226	L	SHETE, B. K.			810422 A	96	
* 2EGA	COMPONENT COOLING WATER	811215		SHETE, B. K.			810422 A	148	
* OFAA	AUXILIARY BOILERS	810901	E	800328 P AMIN, R. C.			810514 A	196	
* OFAB	HP AUXILIARY BOILERS	811201	L	AMIN, R. C.			810514 A		
* OFBA	AUXILIARY BOILER STEAM DISTRIBUTION	810901	E	AMIN, R. C.			810514 A	21	
* 1FBA	AUXILIARY BOILER STEAM DISTRIBUTION	820101		AMIN, R. C.			810514 A		
* 2FBA	AUXILIARY BOILER STEAM DISTRIBUTION	811201		AMIN, R. C.			810514 A	220	
* OFBB	HP AUXILIARY BOILER DISTRIBUTION	820401	L	AMIN, R. C.			810319		
* 1FCA	AUXILIARY FEEDWATER PUMP TURBINE	820901	L	EMERSON, S. W.			810830	221	
* 2FCA	AUXILIARY FEEDWATER PUMP TURBINE	820601	E	EMERSON, S. W.			810830	149	
* 1FCB	FEEDWATER PUMP TURBIN	820819		COHEN, S. D.			810830	222	
* 2FCB	FEEDWATER PUMP TURBIN	820601		COHEN, S. D.			810830	223	
* OGAA	PLANT HOT WATER HEATING & SUPPLY CHEMICAL TREATMENT	811001		800328 A APPEL, D. R.			810626 F	22	
* 1GAB	TURBINE BLDG. HOT WATER HEATING	820901		APPEL, D. R.			810117		
* 2GAB	TURBINE BLDG. HOT WATER HEATING	820901		APPEL, D. R.			810117		
* OGAC	AUX. BUILDING HOT WATER HEATING	820901		APPEL, D. R.			810117		
* 2GAC	AUX. BUILDING HOT WATER HEATING	820901		APPEL, D. R.			810117		
* OGAD	OFFICE & SERVICE BLDG	820901		800328 A APPEL, D. R.			810117	23	

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S/U SYSTEM	DESCRIPTION	T/D DATE	E. T/D L. STATUS	REVISION 11 A. RESPONSIBLE H/D ENGINEER	ENG SY. REVIEW, F. SCHED. F. RID
OGAE	HOT WATER HEATING	810901 E		APPEL, D. R.	810407 A 212
	INTAKE & HYPOCHLORIN- NATION BLDG. & SERVICE				
	WATER STRUCTURE				
1GAF	ELECTRIC HEATING	820901		APPEL, D. R.	810117
	DIESEL GENERATOR				
	BLDG. ELECTRIC				
2GAF	HEATING	820901		APPEL, D. R.	810117
	DIESEL GENERATOR				
	BLDG. ELECTRIC				
OGAG	HEATING	820901		APPEL, D. R.	810117
	REACTOR BLDG. HOT				
1GAG	WATER HEATING	820901		APPEL, D. R.	810117
	REACTOR BLDG. HOT				
2GAG	WATER HEATING	820901		APPEL, D. R.	810117
	REACTOR BLDG. HOT				
OGAH	WATER HEATING	820901		APPEL, D. R.	810117
	PROCESS EVAPORATOR				
	BUILDING HOT WATER				
	HEATING				
OGAJ	AUXILIARY BLDG.	820901		APPEL, D. R.	810117
	SAFEGUARD ROOMS				
	ELECTRIC HEATING				
1GAJ	AUXILIARY BLDG.	821101		APPEL, D. R.	810117
	SAFEGUARD ROOMS				
2GAJ	ELECTRIC HEATING	821001		APPEL, D. R.	810117
	AJXILIARY BLDG.				
	SAFEGUARD ROOMS				
OGAK	ELECTRIC HEATING	830301 L		APPEL, D. R.	810117
	GUARD HOUSE ELECTRIC				
	HEATING				
1GBA	TURBINE BLDG.	820501 L		APPEL, D. R.	810419
	CHILLED WATER				
2GBA	TURBINE BLDG.	820301		APPEL, D. R.	810419
	CHILLED WATER				
OGBB	OFFICE & SERVICE BLDG	800707 A		APPEL, D. R.	810419
	CHILLED WATER				
OGBC	AUXILIARY BLDG.	820101 E		APPEL, D. R.	810419
	CHILLED WATER				
1GBC	AUXILIARY BLDG.	820501		APPEL, D. R.	810419
	CHILLED WATER				
OGCA	OFFICE & SERVICE	800728 A		APPEL, D. R.	810626 F 17
	BLDG. CHILLED WATER				
OGDA	PROCESS EVAPORATOR	810901		GOYAL, P. K.	810907 25
	BUILDING HVAC				
OGDB	ADMIN. BUILDING HVAC	800623 A		GOYAL, P. K.	810319 A 26
OGDC	CHLORINATION BLDG.	820501		GOYAL, P. K.	810406 A 27
OGDD	COOLING POND MAKE-UP	810801 E		GOYAL, P. K.	315
	STRUCTURE HVAC				
OGDE	COOLING POND MAKE-UP	810801		GOYAL, P. K.	810907 25
	INTAKE STRUCTURE HVAC				
OGDF	CIRCULATING WATER IN-	811201		GOYAL, P. K.	810319 A 26
	TAKE STRUCTURE HVAC				
OGDG	GUARD HOUSE HVAC	810901		GOYAL, P. K.	810612 F 316

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* S/U	SYSTEM	T/O	E. T/O	A. RESPONSIBLE			ENG SY.	MINI.	
* SYSTEM	DESCRIPTION	DATE	L. STATUS	F. H/O ENGINEER			REVIEW F.	SCHED F. RID	
OGDH	OILY WASTE BLDG. HVAC	820101		GOYAL, P. K.					
OGDI	BLOWDOWN DISCHARGE	820801	L	GOYAL, P. K.			810626	F 317	
	STRUCTURE HVAC							318	
OGDJ	DOW COND. RETURN HVAC	820501		GOYAL, P. K.				319	
OGDK	UPS FACILITY HVAC	820401		GOYAL, P. K.				320	
OGDL	SERVICE WATER PUMP	811201		GOYAL, P. K.			810626	F 314	
	STRUCTURE HVAC								
1GEA	TURBINE BLDG.	820813		GOYAL, P. K.			810802	97	
	SUPPLY & EXHAUST								
2GEA	TURBINE BLDG.	820615		GOYAL, P. K.			810802	150	
	SUPPLY & EXHAUST								
1GEB	TURBINE BLDG. UNIT	820721		GOYAL, P. K.			810802	98	
	COOLERS								
2GEB	TURBINE BLDG. UNIT	820521	E	GOYAL, P. K.			810802	151	
	COOLERS								
1GEC	BATTERY ROOMS HVAC	820901	L	790613 P GOYAL, P. K.			810802		
2GEC	BATTERY ROOMS HVAC	820701		790216 P GOYAL, P. K.			810802		
1GED	LUBE OIL ROOM HVAC	820901		GOYAL, P. K.			810802	99	
2GED	LUBE OIL ROOM HVAC	820701		GOYAL, P. K.			810802	152	
1GJA	SAFEGUARDS EQUIPMENT	820707		APPEL, D. R.			810730	100	
	CHILLED WATER								
2GJA	SAFEGUARDS EQUIPMENT	820707		APPEL, D. R.			810730	251	
	CHILLED WATER								
OGLA	AUXILIARY BLDG.	830101		SARGENT, D. L.			820225	28	
	SUPPLY & DISTRIBUTION								
OGLB	AUXILIARY BLDG.	830101		SARGENT, D. L.			820225	29	
	EXHAUST								
OGLC	SAFETY RELATED ROOMS	830301		SARGENT, D. L.			820225	30	
	UNIT COOLERS								
1GLC	SAFETY RELATED ROOMS	330301		SARGENT, D. L.			820225	188	
	UNIT COOLERS								
2GLC	SAFETY RELATED ROOMS	330601	L	SARGENT, D. L.			820225	189	
	UNIT COOLERS								
OGLD	NON-SAFETY RELATED	830201		SARGENT, D. L.			820225	179	
	ROOMS UNIT COOLERS								
1GLD	NON-SAFETY RELATED	830201		SARGENT, D. L.			820225	273	
	ROOMS UNIT COOLERS								
2GLD	NON-SAFETY RELATED	830201		SARGENT, D. L.			820225	375	
	ROOMS UNIT COOLERS								
1GLE	TENDON GALLERY VENTI-	830301		SARGENT, D. L.			820225		
	LATION								
2GLE	TENDON GALLERY VENTI-	830301		SARGENT, D. L.			820225		
	LATION								
OGLF	FUEL HANDLING AREA	821201		SARGENT, D. L.			820225	31	
	SUPPLY & EXHAUST								
OGLG	FUEL HANDLING UNIT	830101		SARGENT, D. L.			820225	386	
	COOLERS								
OGLH	CONTROL ROOM SUPPLY,	820601	E	SARGENT, D. L.			820225	32	
	RECIRC. & EXHAUST								
OGLI	CABLE SPREADING ROOM	830201		SARGENT, D. L.			820225	33	
	EXHAUST								
OGLJ	BATTERY & SWITCHGEAR	830201		SARGENT, D. L.			820225	34	
	ROOMS EXHAUST								
OGLK	ACCESS CONTROL &	830301		DAVIS, A. S.			820225	35	

		CPCD TEST SCHEDULE REVISION 11				B2142			
S/U	SYSTEM	T/O	E. T/O	A. RESPONSIBLE			ENG SY.	MINI.	
* SYSTEM	DESCRIPTION	DATE	L. STATUS	F. H/O ENGINEER			REVIEW F.	SCHED. F. RID	
* OGLM	COMPUTER AREA HVAC UNCONTROLLED LAB & COMPUTER AREA HVAC	830101		DAVIS, A. S.			820225	36	
* OGLN	FUEL HANDLING EMER- GENCY EXHAUST			SARGENT, D. L.				37	
* OGLP	AUXILIARY BLDG. MIS- SILE SHIELD RECIRC.	830101		SARGENT, D. L.			820225		
* 1GMA	DIESEL GENERATOR BLDG. HVAC	820507 L		GOYAL, P. K.			810523	101	
* 2GMA	DIESEL GENERATOR BLDG. HVAC	820401 E		GOYAL, P. K.			810523	153	
* 1GNA	CAVITY COOLING	821001		SOMERS, F. D.			811011		
* 2GNA	CAVITY COOLING	820901		SOMERS, F. D.			811011		
* 1GNB	CRDM COOLING	821001		SOMERS, F. D.			811011	224	
* 1GNB	CRDM COOLING	820901		SOMERS, F. D.			811011	225	
* 1GNC	RECIRCULATING AIR COOLING UNITS	821001		SOMERS, F. D.			811011	102	
* 2GNC	RECIRCULATING AIR COOLING UNITS	820901		SOMERS, F. D.			811011	154	
* 1GND	TRANSFER AIR FANS	821001		SOMERS, F. D.			811011		
* 2GND	TRANSFER AIR FANS	820901		SOMERS, F. D.			811011		
* 1GNE	MAIN STEAM FLUED HEAD COOLING UNITS	821101 L		SOMERS, F. D.			811011	103	
* 2GNE	MAIN STEAM FLUED HEAD COOLING UNITS	820801 E		SOMERS, F. D.			811011	155	
* 1GPA	REACTOR BLDG. 1LRT TEST FACILITIES (FUTURE)								
* 2GPA	REACTOR BLDG. 1LRT TEST FACILITIES (FUTURE)								
* 1GPB	REACTOR BLDG. 5IT TEST FACILITIES (FUTURE)								
* 2GPB	REACTOR BLDG. 5IT TEST FACILITIES (FUTURE)								
* 1GPC	REACTOR BLDG. TEND TEST FACILITIES (FUTURE)								
* 2GPC	REACTOR BLDG. TEND TEST FACILITIES (FUTURE)								
* 1GSA	H2 RECOMBINERS	830801 L		SOMERS, F. D.			820309		
* 2GSA	H2 RECOMBINERS	830201		SOMERS, F. D.			820309		
* 1GSB	H2 VENT SUPPLY & EXHAUST	821201		SOMERS, F. D.			820309	104	
* 2GSB	H2 VENT SUPPLY & EXHAUST	821001 E		SOMERS, F. D.			820309	156	
* 1GSC	GAS MONITORING	821001		SOMERS, F. D.			820309	105	
* 2GSC	GAS MONITORING	821001		SOMERS, F. D.			820309	157	
* 1GTA	DOME AIR MIXING	821001 L		SOMERS, F. D.			810930	106	
* 2GTA	DOME AIR MIXING	820701 E		SOMERS, F. D.			810930		
* 1GTB	AIR ROOM SUPPLY &	821001		SOMERS, F. D.			810930	107	

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S/U	SYSTEM DESCRIPTION	T/O DATE	E. T/O DATE	A. RESPONSIBLE	ENG SY. REVIEW	MINI. SCHED. F. RID
2GTB	AIR ROOM SUPPLY & EXHAUST	820701		SOMERS, F. D.	810930	158
1GTC	PURGE AIR SUPPLY	821001		SOMERS, F. D.	810930	108
2GTC	PURGE AIR SUPPLY	820701		SOMERS, F. D.	810930	159
1GTD	REFUELING POOL SUPPLY	821001		SOMERS, F. D.	810930	
2GTD	REFUELING POOL SUPPLY	820701		SOMERS, F. D.	810930	
1GTE	PURGE AIR & REFUELING POOL EXHAUST	821001		SOMERS, F. D.	810930	109
2GTE	PURGE AIR & REFUELING POOL EXHAUST	820701		SOMERS, F. D.	810930	160
1GTF	CHARCOAL CLEANUP	821001		SOMERS, F. D.	810930	
2GTF	CHARCOAL CLEANUP	820801		SOMERS, F. D.	810930	
1HAA	REACTOR BLDG. VENT HEADER	820901		HAESSLER, R.L.	810515 A	
2HAA	REACTOR BLDG. VENT HEADER	820101 E		HAESSLER, R.L.	810515 A	335
OHAB	AUXILIARY BLDG. VENT HEATER NO. 1	820101		HAESSLER, R.L.	810515 A	
OHAD	RADWASTE GAS SURGE & TRANSFER	820601		HAESSLER, R.L.	810419	
OHAE	RADWASTE GAS DECAY & DISCHARGE	820601		HAESSLER, R.L.	810419	226
OHAF	RADWASTE GAS ANALYSIS	820801		HAESSLER, R.L.	810626 F	178
OHAG	BORDON RECOVERY SYSTEM VENT HEADER	820101		HAESSLER, R.L.	810419	270
OHAIH	LIQUID WASTE SYSTEM VENT HEADER	830201 L		HAESSLER, R.L.	810419	
OHAI	RESIN VENT HEADER	820101		HAESSLER, R.L.	810515 A	38
OHBA	LIQUID & CHEMICAL WAS RECEIVING & TRANSFER	820801		WALKOWSKI, P.	810217	
OHBB	LIQUID WASTE EVAPORAT	820801		WALKOWSKI, P.	810217	39
OHBC	LIQUID WASTE CONCENTR STORAGE & TRANSFER	820701		WALKOWSKI, P.	810217	40
OHBD	LIQUID WASTE FILTERS DEMINERALIZERS	820801		WALKOWSKI, P.	810217	227
OHBE	LIQUID WASTE DEMINERALIZER EFFLUENT STORAGE & TRANSFER	820901 L		WALKOWSKI, P.	810217	
OHBF	RADWASTE PUMP SEAL WATER & HEADERS	811101 E		WALKOWSKI, P.	810519 A	41
OHCA	SPENT RESIN STORAGE & TRANSFER	811201 E		HAESSLER, R.L.	810519 A	42
OHCB	NEW RESIN STORAGE & TRANSFER	811201		HAESSLER, R.L.	810519 A	43
OHCC	SOLIDIFICATION FILTER HANDLING	821001		HAESSLER, R.L.	810319	44
OHCD	SOLID RADWASTE BUILDING SUMP	821101 L		HAESSLER, R.L.	810319	45
OHCE	DECONTAMINATION FACILITIES	821101 E		HAESSLER, R.L.	820510	
OHDA	REACTOR & AUXILIARY BLDG. COLLECTION HEADERS	820701		WALKOWSKI, P.	810512	46

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S/U	SYSTEM DESCRIPTION	T/O DATE	E. T/O L STATUS	A. RESPONSIBLE F. H/O ENGINEER	ENG SY. REVIEW F.	MINI. SCHED. F. RID
1HEA	REACTOR & AUXILIARY BLDG. COLLECTION HEADERS	820801	L	WALKOWSKI, P.	810512	110
2HEA	REACTOR & AUXILIARY BLDG. COLLECTION HEADERS			WALKOWSKI, P.		
0HEB	EQUIPMENT DRAIN COLLECTION TRANSFER & FILTRATION	820201	E	WALKOWSKI, P.	810518	F
0HEC	PRIMARY MIXED BED DEMINERALIZER	820201		WALKOWSKI, P.	810518	F 176
0HED	BORON RECOVERY DEGASIFIER	820201		WALKOWSKI, P.	810518	F 47
0HEE	DEGASIFIER EFFLUENT RECEIVING & TRANSFER	820201		WALKOWSKI, P.	810518	F 243
0HEF	BORON RECOVERY EVAPORATOR	820801		WALKOWSKI, P.	810518	F
0HEG	DEBORATING DEMINERALIZERS	820201		WALKOWSKI, P.	810518	F 182
0HEH	BORIC ACID CONCENTRAT STORAGE & TRANSFER	820801		WALKOWSKI, P.	810518	F 46
0HEJ	EFFLUENT POLISHING DEMINERALIZERS & EFFLUENT FILTRATION	820601		WALKOWSKI, P.	810518	F 181
0HGA	AUXILIARY BLDG SUMPS	820823	E	WALKOWSKI, P.	820525	49
0HHA	LAUNDRY WASTE	830201	E	WALKOWSKI, P.	820424	50
0JAA	AUXILIARY BOILER FUEL STORAGE & TRANSFER	820701	E	AMIN, R. C.	810907	51
1JEA	EMERGENCY DIESEL ENGINE FUEL STORAGE & TRANSFER	820501	L	EMERSON, S. W.	810626	F 192
2JEA	EMERGENCY DIESEL ENGINE FUEL STORAGE & TRANSFER	820201	E	EMERSON, S. W.	810626	F 193
OKAA	COMPRESSED AIR SUPPLY & INSTRUMENT AIR DRYE	810601	E	810623 A TANUKU, S. S.	810421	A 254
OKAB	SERVICE AIR DISTRIBUTION	820101		800328 P TANUKU, S. S.	810421	A 364
1KAB	SERVICE AIR DISTRIBUTION	820301	L	TANUKU, S. S.	810421	A 327
2KAB	SERVICE AIR DISTRIBUTION	820201		TANUKU, S. S.	810421	A 334
OKAC	INSTRUMENT AIR DISTRIBUTION	810801		800328 P TANUKU, S. S.	810421	A 255
1KAC	INSTRUMENT AIR DISTRIBUTION	810801		TANUKU, S. S.	810421	A
2KAC	INSTRUMENT AIR DISTRIBUTION	810801		TANUKU, S. S.	810421	A
OKCA	FIRE WATER SUPPLY & DISTRIBUTION			791227 A STRUNK, A. J.		
OKCB	TRANSFORMER DELUGE PROTECTION	820315		S. RUNK, A. J.		111
OKCC	BLDG DELUGE PROTECTIO	820201	E	800328 P STRUNK, A. J.	810319	A
OKCD	HOSE STATION PROTECT			800328 A STRUNK, A. J.	810626	F

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S/U	SYSTEM	DESCRIPTION	CPCD	TEST SCHEDULE	REVISION	11	T/O	E.	T/O	A.	RESPONSIBLE	ENG. SY.	MINI.	REVIEW F. SCHED. F. RID
				DATE	L. STATUS	F.	H/O	ENGINEER						
1KCD		HOSE STATION PROTECT		791227	A	STRUNK, A. J.						810626	F	
2KCD		HOSE STATION PROTECT		791227	A	STRUNK, A. J.						810626	F	
OKCE		CARBON DIOXIDE (CO2) PROTECTION	820301			STRUNK, A. J.						810626	F	
1KCE		CARBON DIOXIDE (CO2) PROTECTION	821001	L		STRUNK, A. J.						810626	F	
2KCE		CARBON DIOXIDE (CO2) PROTECTION	820301			STRUNK, A. J.						810626	F	
OKDA		DOMESTIC WATER STORAGE & TRANSFER		791203	A	APPEL, D. R.						801117		
OKDB		DOMESTIC WATER HEATIN	810901	E	800328	P	APPEL, D. R.					810612	F	52
OKDC		DOMESTIC WATER DISTRIBUTION		800605	A	APPEL, D. R.						801117		53
1KDC		DOMESTIC WATER DISTRIBUTION		800605	A	APPEL, D. R.						801117		
2KDC		DOMESTIC WATER DISTRIBUTION		800605	A	APPEL, D. R.						801117		
OKEB		NEW FUEL STORAGE AREA	820501			HUNT, E. W.						810318	A	54
OKEC		NEW FUEL ELEVATOR	820601	L		HUNT, E. W.						810318	A	259
OKED		FUEL INSPECTION ELEVATOR	820601			HUNT, E. W.						810318	A	262
OKEE		CASK WASHDOWN	820601			HUNT, E. W.						810318	A	263
1KEF		REACTOR HEAD & INTERNALS STORAGE	811201			HUNT, E. W.						810318	A	258
2KEF		REACTOR HEAD & INTERNALS STORAGE	811015			HUNT, E. W.						810318	A	260
OKEG		HANDLING, & INDEXING AUX. BLDG. FUEL	820401			HUNT, E. W.						810314	A	261
1KEH		HANDLING EQUIPMENT & CONTROL ROD	811126			HUNT, E. W.						810314	A	256
2KEH		HANDLING EQUIPMENT & CONTROL ROD	810923			HUNT, E. W.						810314	A	257
1KEI		HANDLING EQUIPMENT	811126			HUNT, E. W.						810314	A	262
2KEI		FUEL TRANSFER EQUIP.	810923	E		HUNT, E. W.						810314	A	263
OKEJ		UNDER WATER TV EQUIPMENT & LIGHTING	820501			HUNT, E. W.						810314	A	264
1KFA		REACTOR BLDG 190 TON CRANE & AUXILIARIES	830901	L		ET-TAHER, A.						820219		265
2KFA		REACTOR BLDG 190 TON CRANE & AUXILIARIES	830301			ET-TAHER, A.						820219		256
OKFB		AUXILIARY BLDG. 125 TON CRANE & AUXILIARI	821201	E		ET-TAHER, A.						820219		257
OKFC		TURBINE BUILDING 190 TON CRANE & AUXILIARI	830201			ET-TAHER, A.						820219		260
OKFD		MISCELLANEOUS CRANE & MONORAILS, & MOTOR-OPERATED DOORS	821201			ET-TAHER, A.						820219		261
1KFO		MISCELLANEOUS CRANE & MONORAILS, & MOTOR-OPERATED DOORS	821201			ET-TAHER, A.						820219		256

		CPCD TEST SCHEDULE REVISION 11				B2142		ENG SY. MINI	
* S/U	SYSTEM	T/O	E. T/O	A. RESPONSIBLE			REVIEW F.	SCHED. F.	RID
* SYSTEM	DESCRIPTION	DATE	L. STATUS	F. H/O ENGINEER					
*	XO3B & AUXILIARIES								
*	(TITTABAWASSEE)								
OMCC	SPARE STARTUP			PATEL, P. R.					
*	TRANSFORMER OXO3C								
*	& AUXILIARIES								
OMDA	345 SWITCHYARD BUS			PATEL, P. R.					
*	(TITTABAWASSEE)								
OMEA	345 SWITCHYARD 125 V			PATEL, P. R.					
*	CONTROL POWER								
OMFA	345 SWITCHYARD								
*	LIGHTING & AUX. POWER								
OMHA	OUTGOING 345 KV LINES			PATEL, P. R.					
OMKA	138 KV SWITCHYARD BUS			PATEL, P. R.					
OMLA	138 KV SWITCHYARD			PATEL, P. R.					
*	125 V DC CONTROL POWE								
OMMA	138 KV SWITCHYARD								
*	LIGHTING & AUX. POWER								
OMNA	138 KV SWITCHYARD								
*	GROUND GRIP								
OMPA	OUTGOING 138 KV LINES								
OMQA	LOAD DISPATCH			PATEL, P. R.					
1NAA	6.9 KV DISTRIBUTION	820301	L	BANDY, K.			810319		371
*	BUS A01 & AUXILIARY								
2NAA	6.9 KV DISTRIBUTION	811201	E	BANDY, K.			810319		372
*	BUS A01 & AUXILIARY								
1NAB	6.9 KV DISTRIBUTION	820301		BANDY, K.			810319		373
*	BUS A02 & AUXILIARY								
2NAB	6.9 KV DISTRIBUTION	811201		BANDY, K.			810319		374
*	BUS A02 & AUXILIARY								
1NBA	4.16 KV DISTRIBUTION	790615	A	BANDY, K.			800519		
*	A03 & AUXILIARIES								
2NBA	4.16 KV DISTRIBUTION	790615	P	BANDY, K.			800519		
*	A03 & AUXILIARIES								
1NBB	4.16 KV DISTRIBUTION	810210	A	BANDY, K.			800519		
*	BUS A04 & AUXILIARY								
2NBB	4.16 KV DISTRIBUTION	801006	A	BANDY, K.			800519		
*	BUS A04 & AUXILIARY								
ONBC	4.16 KV DIST. BUSES	790821	A	BANDY, K.			800519		
*	A07 & A08 & AUX.								
ONBD	4.16 KV DISTRIBUTION			BANDY, K.			800519		
*	BUS A09								
*	(FUTURE)								
ONBE	4.16 KV DISTRIBUTION			BANDY, K.			800519		
*	BUS A10								
*	(FUTURE)								
1NGA	480 V LOAD CENTER B11	791018	A	BANDY, K.			800519		
2NGA	480 V LOAD CENTER B11	800118	A	BANDY, K.			800519		
1NGB	480 V LOAD CENTER B12	810220	A	BANDY, K.			800519		
2NGB	480 V LOAD CENTER B12	810220	A	BANDY, K.			800519		
1NGC	480 V LOAD CENTER B13	810311	A	BANDY, K.			800519		
2NGC	480 V LOAD CENTER B13	800523	A	BANDY, K.			800519		
1NGD	480 V LOAD CENTER B14	810225	A	BANDY, K.			800519		
2NGD	480 V LOAD CENTER B14	810225	A	BANDY, K.			800519		
1NGE	480 V LOAD CENTER B15	790907	A	BANDY, K.			800519		

		CPCO TEST SCHEDULE REVISION 11				B2142			
* S/U	SYSTEM	T/O	E. T/O	A. RESPONSIBLE			ENG SY.	MINI.	
* SYSTEM	DESCRIPTION	DATE	L. STATUS	F. H/O ENGINEER			REVIEW F.	SCHED. F. RID	
2NGE	480 V LOAD CENTER B15			790921 A BANDY, K.			800519		
ONGF	480 V LOAD CENTER B19	810601	E	810505 A BANDY, K.			800519		
ONGG	480 V LOAD CENTER B20	810601		810505 A BANDY, K.			800519		
ONGH	480 V LOAD CENTER B21			790906 A BANDY, K.			800519		
ONGJ	480 V LOAD CENTER B22			790906 A BANDY, K.			800519		
ONGK	480 V LOAD CENTER B09	811121	L	BANDY, K.			800519		
ONGL	480 V LOAD CENTER B10	810801		BANDY, K.			800519		
ONGM	480 V LOAD CENTER 308	811001		BANDY, K.			800519		
1NHA	AUXILIARY BLDG.			790918 A GARRISON, A.			800519		
	MCC B25								
2NHA	AUXILIARY BLDG.			790918 A GARRISON, A.			800519		
	MCC B25								
1NH8	PRESSURIZER HEATER	820701		GARRISON, A.			800519		
	CONTROL CENTER B26								
2NH8	PRESSURIZER HEATER	820501		GARRISON, A.			800519		
	CONTROL CENTER B26								
1NHC	PRESSURIZER HEATER	820801		GARRISON, A.			800519		
	CONTROL CENTER B27								
2NHC	PRESSURIZER HEATER	820501		GARRISON, A.			800519		
	CONTROL CENTER B27								
1NH0	PRESSURIZER HEATER	821001	L	GARRISON, A.			800519	380	
	CONTROL CENTER B28								
2NH0	PRESSURIZER HEATER	820201		GARRISON, A.			800519		
	CONTROL CENTER B28								
1NHE	PRESSURIZER HEATER	820701		GARRISON, A.			800519		
	CONTROL CENTER B29								
2NHE	PRESSURIZER HEATER	820501		GARRISON, A.			800519		
	CONTROL CENTER B29								
1NH F	PRESSURIZER HEATER	820801		GARRISON, A.			800519		
	CONTROL CENTER B30								
2NH F	PRESSURIZER HEATER	820501		GARRISON, A.			800519		
	CONTROL CENTER B30								
1NHG	TURBINE BLDG.			790313 A GARRISON, A.			800519		
	MCC B31								
2NHG	TURBINE BLDG.			790216 A GARRISON, A.			800519		
	MCC B31								
1NH1	TURBINE BLDG.			790329 A GARRISON, A.			800519		
	MCC B32								
2NH1	TURBINE BLDG.			790216 A GARRISON, A.			800519		
	MCC B32								
1NH11	TURBINE BLDG.			810114 A GARRISON, A.			800519		
	MCC B33								
2NH11	TURBINE BLDG.			801114 A GARRISON, A.			800519		
	MCC B33								
1NHJ	TURBINE BLDG.			801202 A GARRISON, A.			800519		
	MCC B34								
2NHJ	TURBINE BLDG.			801114 A GARRISON, A.			800519		
	MCC B34								
1NHK	AUXILIARY BLDG.			810210 A GARRISON, A.			800519		
	MCC B35								
2NHK	AUXILIARY BLDG.			801120 A GARRISON, A.			800519		
	MCC B35								
1NHL	PRESSURIZER HEATER	820801		GARRISON, A.			800519		
	CONTROL CENTER B36								

		CPCD TEST SCHEDULE REVISION 11				B2142			
S/U	SYSTEM	T/O	E. T/O	A. RESPONSIBLE			ENG SY.	MINI.	
SYSTEM.	DESCRIPTION	DATE	L. STATUS	F. H/D ENGINEER			REVIEW	SCHED. F. RID	
* 2NHL	PRESSURIZER HEATER CONTROL CENTER B36	820501		GARRISON, A.			800519		
* 1NHM	AUXILIARY BLDG. MCC B37		810114	A GARRISON, A.			800519		
* 2NHM	AUXILIARY BLDG. MCC B37		801120	A GARRISON, A.			800519		
* 1NHN	TURBINE BLDG. MCC B37		800508	A GARRISON, A.			800519		
* 2NHN	TURBINE BLDG. MCC B38		800508	A GARRISON, A.			800519		
* 1NHO	SERVICE WATER BLDG. MCC B39		790703	A GARRISON, A.			800519		
* 2NHO	SERVICE WATER BLDG. MCC B39		790703	A GARRISON, A.			800519		
* 1NHP	TURBINE BLDG. MCC B51		801222	A GARRISON, A.			800519		
* 2NHP	TURBINE BLDG. MCC B51		790821	A GARRISON, A.			800519		
* 1NHQ	AUXILIARY BLDG. MCC B52		810225	A GARRISON, A.			800519		
* 2NHQ	AUXILIARY BLDG. MCC B52		801120	A GARRISON, A.			800519		
* 1NHR	TURBINE BLDG. MCC B57		801202	A GARRISON, A.			800519		
* 2NHR	TURBINE BLDG. MCC B57		801114	A GARRISON, A.			800519		
* 1NHS	TURBINE BLDG. MCC B58		810114	A GARRISON, A.			800519		
* 2NHS	TURBINE BLDG. MCC B58		801114	A GARRISON, A.			800519		
* 1NHT	DIESEL GENERATOR BLDG. MCC B73	820501		GARRISON, A.			800519		
* 2NHT	DIESEL GENERATOR BLDG. MCC B73	820201		GARRISON, A.			800519		
* 1NHU	DIESEL GENERATOR BLDG. MCC B73	820501		GARRISON, A.			800519		
* 2NHU	DIESEL GENERATOR BLDG. MCC B73	820101		GARRISON, A.			800519		
* 2NHV	OILY WASTE MCC B77	810601	E 810610	GARRISON, A.			800519		
* 1NHX	CHLORINATION MCC B78	820501		GARRISON, A.			800519		
* 2NHX	CHLORINATION MCC B78	820401		GARRISON, A.			800519		
* ONIA	MAKEUP BLDG. MCC B40		791012	A GARRISON, A.			800511		
* ONIB	EVAPORATOR BLDG. MCC B42		791008	A GARRISON, A.			800511		
* ONIC	EVAPORATOR BLDG. MCC B42		791008	A GARRISON, A.			800511		
* ONIH	AUXILIARY BLDG. MCC B48		810114	A GARRISON, A.			800511		
* ONII	AUXILIARY BLDG. MCC B49		810114	A GARRISON, A.			800511		
* ONIJ	AUXILIARY BLDG. MCC B49		810114	A GARRISON, A.			800511		
* ONIK	AUXILIARY BLDG.		810114	A GARRISON, A.			800511		

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		CPCO TEST SCHEDULE REVISION 11							
* S/U	SYSTEM	T/O	E. T/O	A. RESPONSIBLE			ENG SY.	MINI.	
* SYSTEM	DESCRIPTION	DATE	L. STATUS	F. H/O ENGINEER			REVIEW.F.	SCHED.F. RID	
*	MCC B50								
ONIL	TURBINE BLDG.			790928 A GARRISON, A.			800511		
*	MCC B61								
ONIM	OFFICE SERVICES BLDG.			791015 A GARRISON, A.			800511		
*	MCC B62								
ONIN	EVAPORATOR BLDG.	811201		GARRISON, A.			800511		
*	MCC B70								
ONIO	EVAPORATOR BLDG.			810114 A GARRISON, A.			800511		
*	MCC B71								
ONIP	EVAPORATOR BLDG.	810601 E	810601 A	GARRISON, A.			800511	375	
*	MCC B72								
ONIQ	EVAPORATOR BLDG.			791024 A GARRISON, A.			800511		
*	MCC B59								
ONIR	EVAPORATOR BLDG.			791008 A GARRISON, A.			800511		
*	MCC B60								
ONIS	AUXILIARY BLDG.	820701 L		GARRISON, A.			800511		
*	MCC B67								
ONIT	AUXILIARY BLDG.	811201		GARRISON, A.			800511		
*	MCC B74								
ONTU	AUXILIARY BLDG.	811201		GARRISON, A.			800511		
*	MCC B76								
ONIV	AUXILIARY BLDG.	811121		GARRISON, A.			800511		
*	POWER D33								
ONIW	EVAPORATOR BLDG.			GARRISON, A.			800511		
*	MCC B85								
ONIX	AUXILIARY BLDG.	811121		GARRISON, A.			800511	363	
*	MCC B82								
ONIY	AUXILIARY BLDG.	811201		GARRISON, A.			800511		
*	MCC B83								
ONIZ	AUXILIARY BLDG.	810901		GARRISON, A.			800511	325	
*	MCC B84								
1NJA	250 V DC POWER	810701 E	810617	CORBETT, P. B.			810117		
2NJA	250 V DC POWER		800513 A	CORBETT, P. B.			810117		
1NKA	125 V DC CONTROL		790402 A	CORBETT, P. B.			801017	264	
*	POWER D31								
2NKA	125 V DC CONTROL			790402 A CORBETT, P. B.			801017	265	
*	POWER D31								
1NKB	125 V DC CONTROL			790209 A CORBETT, P. B.			801017		
*	POWER D32								
2NKB	125 V DC CONTROL			790402 A CORBETT, P. B.			801017		
*	POWER D32								
1NKC	125 V DC CONTROL ROOM			790402 A CORBETT, P. B.			801017		
*	D33								
2NKC	125 V DC CONTROL ROOM			790402 A CORBETT, P. B.			801017		
*	D33								
1NKD	125 V DC CONTROL			790402 A CORBETT, P. B.			801017		
*	POWER D34								
2NKD	125 V DC CONTROL			790402 A CORBETT, P. B.			801017		
*	POWER D34								
1NKE	125 V DC CONTROL			790402 A CORBETT, P. B.			801017		
*	POWER D43								
2NKE	125 V DC CONTROL			790402 A CORBETT, P. B.			801017		
*	POWER D43								
1NKF	125 V DC CONTROL			790402 A CORBETT, P. B.			801017		

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T/O E. T/O A. RESPONSIBLE
DATE L. STATUS. F. H/O ENGINEER

ENG SY. MINI
REVIEW F. SCHED. F. RID

S/U	SYSTEM DESCRIPTION	T/O	E.	T/O	A.	RESPONSIBLE	ENG SY.	MINI
		DATE	L.	STATUS.	F.	H/O	REVIEW	F. SCHED. F. RID
2NKF	POWER D44							
	125 V DC CONTROL					790402 A	CORBETT, P. B.	801017
ONKG	POWER D44							
	125 V DC INSTR PANEL					790912 A	CORBETT, P. B.	801017
	0047							
1NKH	125 V DC INSTR PANEL					810114 A	CORBETT, P. B.	801017
	1054							
2NKH	125 V DC INSTR PANEL					811101 E	CORBETT, P. B.	801017
	1054							
ONKI	125 V DC CONTROL							
	POWER D46					790913 A	CORBETT, P. B.	801017
ONKJ	125 VDC CONTROL PANEL							
	D51					790913 A	CORBETT, P. B.	801017
ONKK	125 VDC SYS. CONTROL					811101	CORBETT, P. B.	801017
	COMMON LOADS							
1NNA	120 V AC CONTROL &							
	INSTR POWER PANELS					790329 A	SALLIOTTE, J.	810406 A
	Y16 & Y18							
2NNA	120 V AC CONTROL &					810901	SALLIOTTE, J.	810406 A
	INSTR POWER PANELS							
	Y16 & Y18							
1NNB	120 V AC CONTROL &							
	INSTR POWER PANELS					790329 A	SALLIOTTE, J.	810406 A
	Y17 & Y19							
2NNB	120 V AC CONTROL &					810901	SALLIOTTE, J.	810406 A
	INSTR POWER PANELS							
	Y17 & Y19							
1NNC	120 V AC CONTROL &							
	INSTR POWER PANEL					810601 E	810601 A	SALLIOTTE, J.
	Y41							
2NNC	120 V AC CONTROL &					810601	810608 A	SALLIOTTE, J.
	INSTR POWER PANEL							
	Y41							
1NND	120 V AC CONTROL &							
	INSTR POWER PANELS					810210 A	SALLIOTTE, J.	810406 A
	Y51 & Y52							
2NND	120 V AC CONTROL &							
	INSTR POWER PANELS					801217 A	SALLIOTTE, J.	810406 A
	Y51 & Y52							
ONNE	120 V AC CONTROL &							
	INSTR POWER PANELS					810901	SALLIOTTE, J.	810406 A
	Y21 & Y23							
ONNF	120 V AC CONTROL &							
	INSTR POWER PANELS					810701	SALLIOTTE, J.	810406 A
	Y22 & Y24							
ONNG	120 V AC CONTROL &							
	INSTR POWER PANEL					820301	SALLIOTTE, J.	810406 A
	Y42							
ONNH	120 V AC CONTROL &							
	INSTR POWER PANEL					820701	SALLIOTTE, J.	810406 A
	Y71							
ONNI	120 V AC CONTROL &							
	INSTR POWER PANEL					820801 L	SALLIOTTE, J.	810406 A
	Y72							

		CPCD TEST SCHEDULE REVISION 11			B2142		
S/U	SYSTEM	T/O	E. T/O	A. RESPONSIBLE		ENG SY.	MINI
*SYSTEM	DESCRIPTION	DATE	STATUS	H/O ENGINEER		REVIEW F.	SCHED. F. RID
ONNJ	120 V AC CONTROL & INSTR POWER PANEL Y73	810616		SALLIOTTE, J.		810406 A	288
ONNK	120 V AC CONTROL & INSTR POWER PANEL Y74	810917		SALLIOTTE, J.		810406 A	289
ONNL	120 V AC CONTROL & INSTRUMENT POWER PANEL Y75		791113 A	SALLIOTTE, J.		810406 A	
ONNM	120 V AC CONTROL & INSTRUMENT POWER PANELS Y82 & Y83		790912 A	SALLIOTTE, J.		810406 A	
ONNN	120 V AC CONTROL & INSTR POWER PANELS Y8 & Y81		801027 A	SALLIOTTE, J.		810406 A	
ONNO	120 V AC CONTROL & INSTR POWER PANELS Y90	820514		SALLIOTTE, J.		810406 A	
ONNP	120 V AC CONTROL & INSTR POWER PANELS Y91	820701		SALLIOTTE, J.		810406 A	
ONNQ	120 V AC CONTROL & INSTR POWER PANEL Y92	820701		SALLIOTTE, J.		810406 A	
ONNR	120 V AC CONTROL & INSTR POWER PANEL Y93	810601	810610 A	SALLIOTTE, J.		810406 A	290
ONNS	120 V AC CONTROL & INSTR POWER PANEL Y94	820701		SALLIOTTE, J.		810406 A	
ONNT	120 V AC CONTROL & INSTR. POWER PANEL Y78	811001		SALLIOTTE, J.		810406 A	
ONNU	120 V AC CONTROL & INSTR. PANEL Y46			SALLIOTTE, J.			
ONNV	120 V AC CONTROL & INSTR. PANEL Y95			SALLIOTTE, J.			
ONNW	120 V AC CONTROL & INSTR. PANEL Y96			SALLIOTTE, J.			
ONNX	120 V AC CONTROL & INSTR. PANEL Y97			SALLIOTTE, J.			
ONN-	ONNAA-120 V AC CONTROL & INSTR. PANEL Y98			SALLIOTTE, J.			
	ONNAB-120 V AC CONTROL & INSTR. PANEL Y99			SALLIOTTE, J.			
	ONNAC-120 V AC CONTROL & INSTR. PANEL Y100			SALLIOTTE, J.			
	ONNAD-120 V AC CONTROL & INSTR. PANEL Y101			SALLIOTTE, J.			
	ONNAE-120 V AC			SALLIOTTE, J.			

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CPCO TEST SCHEDULE REVISION 11
 T/O E. T/O A. RESPONSIBLE
 DATE L. STATUS F. H/O ENGINEER

ENG SY. MINI.
 REVIEW F. SCHED. F. RID

S/U SYSTEM DESCRIPTION
 CONTROL & INSTR. PANEL
 Y102
 ONNAF-120 V AC
 CONTROL & INSTR. PANEL
 Y103
 ONNAG-120 V AC
 CONTROL & INSTR. PANEL
 Y104
 ONNAH-120 V AC
 CONTROL & INSTR. PANEL
 Y105

SALLIOTTE, J.

SALLIOTTE, J.

SALLIOTTE, J.

1NPA	120 V AC PREFERRED POWER Y15 & Y35	810701 L	CORBETT	800817	321
2NPA	120 V AC PREFERRED POWER Y15 & Y35	810601 E	810601 A CORBETT	800817	323
1NPB	120 V AC PREFERRED POWER Y25 & Y45	810701	810601 A CORBETT	800817	332
2NPB	120 V AC PREFERRED POWER Y25 & Y45	810318 A	CORBETT	800817	333
ONPC	120 V AC PREFERRED POWER Y26 & Y27	810701	CORBETT	800817	324

ONQA	AUXILIARY BLDG. BP-05	780213 A	SALLIOTTE, J.	800519	
2NQA	AUXILIARY BUILDING	780213 A	SALLIOTTE, J.	800519	
1NRA	TURBINE BUILDING	821001 L	801120 A SALLIOTTE, J.	800519	
2NRA	TURBINE BUILDING	820801	810114 A SALLIOTTE, J.	800519	
1NRB	TURBINE BUILDING		801120 A SALLIOTTE, J.	800519	
2NRB	TURBINE BLDG. BP-14		800114 A SALLIOTTE, J.	800519	
1NRC	TURBINE BLDG. BP-14		801202 A SALLIOTTE, J.	800519	
2NRC	TURBINE BLDG. BP-15		810114 A SALLIOTTE, J.	800519	
1NRD	TURBINE BLDG. BP-15		810114 A SALLIOTTE, J.	800519	
2NRD	TURBINE BLDG. BP-16	820201 E	810114 A SALLIOTTE, J.	800519	
1NRE	TURBINE BLDG. BP-16		810114 A SALLIOTTE, J.	800519	
2NRE	TURBINE BLDG. BP-16		SALLIOTTE, J.	800519	
1NRF	DIESEL BLDG. BP-17	821001	SALLIOTTE, J.	800519	
2NRF	DIESEL BLDG. BP-17	820301	SALLIOTTE, J.	800519	
1NRG	CIRCULATING WATER PUM HOUSE BP21		791108 A SALLIOTTE, J.	800519	
2NRG	CIRCULATING WATER PUM HOUSE BP21		791108 A SALLIOTTE, J.	800519	
1NRP	REACTOR BLDG. PRESSURIZER HEATER	820721	SALLIOTTE, J.	800519	
2NRP	REACTOR BLDG. PRESSURIZER HEATER	820525	SALLIOTTE, J.	800519	
1NRU	AUXILIARY BLDG. BP12	820419	810210 P SALLIOTTE, J.	800519	
2NRU	AUXILIARY BLDG. BP12	820201	SALLIOTTE, J.	800519	
1NRW	TEST POWER CIRCUITS	820501	SALLIOTTE, J.	800519	
2NRW	TEST POWER CIRCUITS	820301	SALLIOTTE, J.	800519	
ONSA	AUXILIARY BLDG. BP06	801124 A	SALLIOTTE, J.	800817	
ONSB	AUXILIARY BLDG. BP37	811120	SALLIOTTE, J.	800817	
ONSC	AUXILIARY BLDG. BP24	801124 A	SALLIOTTE, J.	800817	
ONSD	AUXILIARY BLDG. BP11	820801 L	SALLIOTTE, J.	800817	
ONSE	CIRCULATING WATER PUM	791213 A	SALLIOTTE, J.	800817	

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S/U	SYSTEM DESCRIPTION	T/O DATE	E. T/O DATE	A. RESPONSIBLE	ENG SY. REVIEW	MINI SCHED. F. RID
	HOUSE BP22					
ONSF	SERVICE WATER PUMP BP35		790114	A SALLIOTTE, J.		800817
ONSG	SERVICE WATER PUMP BP36		791116	A SALLIOTTE, J.		800817
ONSH	AUXILIARY BOILER BLDG. BP31		810114	A SALLIOTTE, J.		800817
ONSI	PROCESS EVAPORATOR BLDG. BP33		791204	A SALLIOTTE, J.		800817
ONSJ	PROCESS EVAPORATOR BLDG. BP34		791116	A SALLIOTTE, J.		800817
ONSK	COOLING POND MAKEUP PUMP STRUCTURE BP35		800118	A SALLIOTTE, J.		800817
ONSL	COOLING POND MAKEUP PUMP STRUCT. BP36		800118	A SALLIOTTE, J.		800817
ONSM	OFFICE & SERVICE BLDG OBPO1		790911	A SALLIOTTE, J.		800817
ONSN	OFFICE & SERVICE BLDG OBPO2		800111	A SALLIOTTE, J.		800817
ONSO	COMBINATION SHOP BLDG. BP50	820501		SALLIOTTE, J.		800817
ONSP	COMBINATION SHOP BLDG. BP38	820801		SALLIOTTE, J.		800817
ONSQ	COMBINATION SHOP BLDG. BP039	810701	E 810612	A SALLIOTTE, J.		800817
ONSR	COMBINATION SHOP BLDG. BP40	820801		SALLIOTTE, J.		800817
ONSS	COMBINATION SHOP BLDG. BP41	820801		SALLIOTTE, J.		800817
ONST	480 VAC DIST PANEL BP43	811221		SALLIOTTE, J.		800817
ONSU	480 VAC DIST PANEL BP44	820301		SALLIOTTE, J.		800817
ONSV	480 VAC DIST PANEL BP45	820501		SALLIOTTE, J.		800817
ONSW	480 VAC DIST PANEL BP 51			SALLIOTTE, J.		800817
ONSX	480 VAC DIST PANEL BP 52			SALLIOTTE, J.		800817
ONSY	480 VAC DIST PANEL BP 53			SALLIOTTE, J.		800817
ONSZ	480 VAC DIST PANEL BP 54			SALLIOTTE, J.		800817
ONSA	480 VAC DIST PANEL BP 55			SALLIOTTE, J.		800817
1PBA	DISTRIBUTION BUS A05 & AUXILIARIES		790906	A BANDY, K. K.		800817
2PBA	DISTRIBUTION BUS 405 AUXILIARIES		790906	A BANDY, K. K.		800817
1PBB	DISTRIBUTION BUS A06	810601	E	BANDY, K. K.		800817
2PBB	DISTRIBUTION BUS A05 AUXILIARY	810601		BANDY, K. K.		800817
4PEA	DIESEL GENERATOR G11	820501	L	EMERSON, S.		810519

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* S/U	SYSTEM	SYSTEM DESCRIPTION	T/O DATE	E. T/O L. STATUS	A. RESPONSIBLE F. H/D ENGINEER	ENG SY. REVIEW	MINI. SCHED. F. RID
2PEA		DIESEL GENERATOR G11	820201	E	EMERSON, S.	810519	164
1PEB		DIESEL GENERATOR G12	820501		EMERSON, S.	810519	228
2PEB		DIESEL GENERATOR G12	820201		EMERSON, S.	810519	229
1PGA		LOAD CENTER B17		791016 A	BANDY, K. K.	800917	
2PGA		LOAD CENTER B17		791121 A	BANDY, K. K.	800917	
1PGB		LOAD CENTER B18	810701	E	BANDY, K. K.	800917	
2PGB		LOAD CENTER B18	810701		BANDY, K. K.	800917	
1PHA		AUX. BLDG. MCC B23		800516 A	GARRISON, A. J.	800519	322
2PHA		AUX. BLDG. MCC B23		791227 A	GARRISON, A. J.	800519	336
1PHB		AUX. BLDG. MCC B24	811001		GARRISON, A. J.	800519	337
2PHB		AUX. BLDG. MCC B24	811001		GARRISON, A. J.	800519	338
1PHC		DIESEL GENERATOR ROOM MCC B53	810615		GARRISON, A. J.	800519	339
2PHC		DIESEL GENERATOR ROOM MCC B53	810615		GARRISON, A. J.	800519	340
1PHD		DIESEL GENERATOR ROOM MCC B54	810701		GARRISON, A. J.	800519	341
2PHD		DIESEL GENERATOR ROOM MCC B54	810701		GARRISON, A. J.	800519	342
1PHE		AUX. BLDG. MCC B55		790913 A	GARRISON, A. J.	800519	343
2PHE		AUX. BLDG. MCC B55		791217 A	GARRISON, A. J.	800519	344
1PHF		AUX. BLDG. MCC B56	810701		GARRISON, A. J.	800519	345
2PHF		AUX. BLDG. MCC B56	810701		GARRISON, A. J.	800519	346
1PHG		AUX. BLDG. MCC B43	820901	L	GARRISON, A. J.	800519	116
2PHG		AUX. BLDG. MCC B43	820701		GARRISON, A. J.	800519	347
1PHH		AUX. BLDG. MCC B44	820901		GARRISON, A. J.	800519	348
2PHH		AUX. BLDG. MCC B44	820701		GARRISON, A. J.	800519	165
OPHI		AUX. BLDG. MCC B45	810901		GARRISON, A. J.	800519	349
OPHJ		AUX. BLDG. MCC B46	810901		GARRISON, A. J.	800519	350
1PHK		SERVICE WATER PUMP- HOUSE B63	810601	E	GARRISON, A. J.	800519	355
2PHK		SERVICE WATER PUMP- HOUSE B63	810715		GARRISON, A. J.	800519	356
1PHL		SERVICE WATER PUMP- HOUSE B64	810715		GARRISON, A. J.	800519	357
2PHL		SERVICE WATER PUMP- HOUSE B64	810715		GARRISON, A. J.	800519	358
OPHM		SERVICE WATER PUMP- HOUSE B65	810930		GARRISON, A. J.	800519	351
OPHN		SERVICE WATER PUMP- HOUSE B66	810930		GARRISON, A. J.	800519	352
OPHO		SERVICE WATER PUMP- HOUSE B68	810715		GARRISON, A. J.	800519	353
OPHP		SERVICE WATER PUMP- HOUSE B69	811001		GARRISON, A. J.	800519	354
1PHQ		PRESSURE HEATER CONTR CENTER 379	820801		GARRISON, A. J.	800519	359
2PHQ		PRESSURE HEATER CONTR CENTER B79	820501		GARRISON, A. J.	800519	360
1PHR		PRESSURE HEATER CONTR CENTER B80	820801		GARRISON, A. J.	800519	361
2PHR		PRESSURE HEATER CONTR CENTER B80	820501		GARRISON, A. J.	800519	362
1PKA		125 VDC CONTROL POWER	820401		CORBETT, P. B.	801017	266

		CPCD TEST SCHEDULE REVISION 11				B2142			
S/U	SYSTEM	T/O	E. T/O	A. RESPONSIBLE					
SYSTEM	DESCRIPTION	DATE	L. STATUS	F. H/O ENGINEER	ENG SY.	MINI.	REVIEW F.	SCHED F.	RID
*	D10								
2PKA	125 VDC CONTROL POWER	820401		CORBETT, P. B.					
*	D10						801017		267
1PKB	125 VDC CONTROL POWER	820401		CORBETT, P. B.					
*	D20						801017		268
2PKB	125 VDC CONTROL POWER	820401		CORBETT, P. B.					
*	D20						801017		269
1PKC	125 VDC CONTROL POWER		790717 A	CORBETT, P. B.					
*	D11						801017		
2PKC	125 VDC CONTROL POWER		790717 A	CORBETT, P. B.					
*	D11						801017		
1PKD	125 VDC CONTROL POWER		790717 A	CORBETT, P. B.					
*	D21						801017		
2PKD	125 VDC CONTROL POWER		790717 A	CORBETT, P. B.					
*	D21						801017		
1PKE	125 VDC CONTROL POWER	820401		CORBETT, P. B.					
*	D12						801017		
2PKE	125 VDC CONTROL POWER	820201 E		CORBETT, P. B.					
*	D12						801017		
1PKF	125 VDC CONTROL POWER	820501 L		CORBETT, P. B.					
*	D22						801017		
2PKF	125 VDC CONTROL POWER	820201		CORBETT, P. B.					
*	D22						801017		326
1PNA	120 V AC PREFERRED	811201		CORBETT, P. B.					
*	POWER Y11						800817		328
2PNA	120 V AC PREFERRED	810601 E		CORBETT, P. B.					
*	POWER Y11						800817		329
1PNB	120 V AC PREFERRED	810715		CORBETT, P. B.					
*	POWER Y12						800817		330
2PNB	120 V AC PREFERRED	810715		CORBETT, P. B.					
*	POWER Y12						800817		331
1PNC	120 V AC PREFERRED	811201		CORBETT, P. B.					
*	POWER Y13						800817		
2PNC	120 V AC PREFERRED	811201		CORBETT, P. B.					
*	POWER Y13						800817		
1PND	120 V AC PREFERRED	811202 L		CORBETT, P. B.					
*	POWER Y14						800817		
2PND	120 V AC PREFERRED	811201		CORBETT, P. B.					
*	POWER Y14						800817		
1PPA	120 V AC CONTROL & IN	810701 E		SALLIOTTE, J.					
*	POWER PANEL Y31						800917		271
2PPA	120 V AC CONTROL & IN	810701		SALLIOTTE, J.					
*	POWER PANEL Y31						800917		275
1PPB	120 V AC CONTROL & IN	810901 L		SALLIOTTE, J.					
*	POWER PANEL Y32						800917		277
2PPB	120 V AC CONTROL & IN	810901		SALLIOTTE, J.					
*	POWER PANEL Y32						800917		278
OPPC	120 V AC CONTROL & IN	810901		SALLIOTTE, J.					
*	POWER PANEL Y33 & Y34						800917		276
OPPD	120 V AC CONTROL & IN	810901		SALLIOTTE, J.					
*	POWER PANEL Y36						800917		279
OPPE	120 V AC CONTROL & IN	810801		SALLIOTTE, J.					
*	POWER PANEL Y85						800917		280
OPPF	120 V AC CONTROL & IN	810701		SALLIOTTE, J.					
							800917		281

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S/U	SYSTEM	T/O	E. T/O	A. RESPONSIBLE					
*SYSTEM	DESCRIPTION	DATE	L. STATUS	F. H/O ENGINEER	ENG SY.	MINI.	REVIEW F	SCHED. F.	RID
* OPPG	POWER PANEL YB4 120 V AC CONTROL & IN	810701		SALLIOTTE, J.					
	POWER PANEL OYB6				800917				282
* OPPH	120 V AC CONTROL & IN POWER PANEL Y37			SALLIOTTE, J.	800917				
* OPPZ	SPARE BREAKERS			SALLIOTTE, J.	800917				
1PRA	AUX. BLDG. BPO3		791022 A	SALLIOTTE, J.	810805				
2PRA	AUX. BLDG. BPO3		791022 A	SALLIOTTE, J.	810805				
1PRB	AUX. BLDG. BPO4		791022 A	SALLIOTTE, J.	810805				
2PRB	AUX. BLDG. BPO4		791022 A	SALLIOTTE, J.	810805				
1PRC	AUX. BLDG. PRESSURE HEATERS L120	820801	L	SALLIOTTE, J.	810805				
* 2PRC	AUX. BLDG. PRESSURE HEATERS L120	820601	E	SALLIOTTE, J.	810805				
1PRD	AUX. BLDG. PRESSURE HEATERS L121	820801		SALLIOTTE, J.	810805				
* 2PRD	AUX. BLDG. PRESSURE HEATERS L121	820601		SALLIOTTE, J.	810805				
* 0QAA	AUX. BLDG. NORMAL LIGHTING	811101	E	MROZKA, H. B.	810626	F			
* 1QAB	TURBINE BLDG. NORMAL LIGHTING	830401	L	MROZKA, H. B.	810217				
* 2QAB	TURBINE BLDG. NORMAL LIGHTING	830401		MROZKA, H. B.	810217				
* 1QAC	REACTOR BLDG. NORMAL LIGHTING	830201		MROZKA, H. B.	810217				
* 2QAC	REACTOR BLDG. NORMAL LIGHTING	830301		MROZKA, H. B.	810217				
* 0QAD	CONTROL ROOM NORMAL LIGHTING	830401		MROZKA, H. B.	810217				
* 0QAE	MISCELLANEOUS BLDG. NORMAL LIGHTING	830401	800328 P	MROZKA, H. B.	810217				
* 1QAE	MISCELLANEOUS BLDG. NORMAL LIGHTING	830401		MROZKA, H. B.	810217				
* 2QAE	MISCELLANEOUS BLDG. NORMAL LIGHTING	830401		MROZKA, H. B.	810217				
* 0QBA	ESSENTIAL AC LIGHTING	830401	E	MROZKA, H. B.	820530				
1QBA	ESSENTIAL AC LIGHTING	830401		MROZKA, H. B.	820530				
2QBA	ESSENTIAL AC LIGHTING	830401		MROZKA, H. B.	820530				
* 0QCA	YARD, ROADWAY, & FENC LIGHTING	820618	E	MROZKA, H. B.	820530				302
* 0QDA	EMERGENCY DC LIGHTING STATION BATTERY	830401	E	MROZKA, H. B.	820525				
* 1QDA	EMERGENCY DC LIGHTING STATION BATTERY	830401		MROZKA, H. B.	820525				
* 2QDA	EMERGENCY DC LIGHTING STATION BATTERY	830401		MROZKA, H. B.	820525				
* 0QDB	EMERGENCY DC LIGHTING PORTABLE UNITS	830401		MROZKA, H. B.	820525				
* 1QDB	EMERGENCY DC LIGHTING PORTABLE UNITS	830401		MROZKA, H. B.	820525				
* 2QDB	EMERGENCY DC LIGHTING PORTABLE UNITS	830401		MROZKA, H. B.	820525				
* 0QEA	PUBLIC OFF-SITE TELE-	830201	E 800328 P	MROZKA, H. B.	820401				59

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S/U	SYSTEM	T/O	E. T/O	A. RESPONSIBLE			ENG SY.	MINI.	
SYSTEM	DESCRIPTION	DATE	L. STATUS	F. H/O ENGINEER			REVIEW F.	SCHED. F. RID	
1RCA	STEAM PLANT SAMPLING	820801	L	RACK, C. W.			810928		
2RCA	STEAM PLANT SAMPLING	820801		RACK, C. W.			810928		
ORCB	PROCESS STEAM SAMPLING & SAMPLE COOLING	820601	E	RACK, C. W.			810928	166 180	
ORDA	METEOROLOGICAL INSTRUMENTATION	830401	E				820703		
ORGA	UNITERRUPTIBLE POWER SUPPLY	820104	E	CHRISTEN			810626	F	
ORGB	PERINTERN INTRUSION DETECTION SYSTEM S.	820601	L	CHRISTEN			810319		
ORGC	PLANT ACCESS & MONITORING SECURITY SYSTEM	820503		CHRISTEN			810319		
ORGD	SECURITY SYS. CONSOLES & COMPUTERS	820208		CHRISTEN			810626	F	
ORGE	FIRE PROTECT. SUPER- VISORY INPUTS	820405		CHRISTEN			810319		
ORJA	PLANT COMPUTER			780213 A BOWMAN, C. S.			810626	F	
1RJA	PLANT COMPUTER	811001	E	780619 A BOWMAN, C. S.			810626	F 191	
2RJA	PLANT COMPUTER	811001		780213 A BOWMAN, C. S.			810626	F 198	
1RKA	UNIT ANNUNCIATOR	810901	E	EISHCENS, W.J.			810424	A 303	
*	LOGIC CABINET C34 & ASSOC. WINDOW ARRAYS								
2RKA	UNIT ANNUNCIATOR	811101		EISHCENS, W.J.			810424	A 167	
*	LOGIC CABINET C34 & ASSOC. WINDOW ARRAYS								
ORKB	RADWASTE ANNUNCIATOR	811125		EISHCENS, W.J.			810612	F	
*	LOGIC CABINET OC173 & ASSOCIATE WINDOW CABINETS								
ORKC	EVAPORATOR BUILDING ANNUNCIATOR LOGIC CABINET OC199 & ASSOC. WINDOW ARRAYS	810901		EISCHENS, W.J.			810612	F	
*	HVAC ANNUNCIATOR								
ORKD	LOGIC CABINET OC155 & ASSOC. WINDOW ARRAYS	820501	L	EISCHENS, W.J.			810814	F	
1RLA	BOP AUXILIARY INST RACK, C49 INCLUDING POWER SUPPLY	810701		BORREGARD, K.			810612	F 241	
2RLA	BOP AUXILIARY INST RACK C49, INCL. POWER SUPPLY	810801		BORREGARD, K.			810612	F 242	
1RLB	BOP INST RACK C53, INCL. POWER SUPPLY	810801		BORREGARD, K.			810612	F 291	
2RLB	BOP INST RACK C53, INCL. POWER SUPPLY	810801		BORREGARD, K.			810612	F 292	
1RLC	BOP SAFETY INST RACK C166, INCLUDING POWER SUPPLY	810901		BORREGARD, K.			810612	F 293	
2RLC	BOP SAFETY INST RACK C166, INCLUDING POWER SUPPLY	810901		BORREGARD, K.			810612	F 230	
ORLD	RADWASTE INST RACK	810801		EISCHENS, W.J.			810612	F 294	

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* S/U	SYSTEM	T/O	E. T/O	A. RESPONSIBLE		ENG SY.	MINI.	
* SYSTEM	DESCRIPTION	DATE	L. STATUS	F. H/O ENGINEER		REVIEW F.	SCHED. F. RID	
*	OC167, INCL. POWER SUPPLY							
ORLE	EVAPORATE INST RACK	810801		EISCHENS, W. J.		810612 F	295	
*	OC168, INCL. POWER SUPPLY							
ORLF	EVAPORATE INST RACK	810801		EISCHENS, W. J.		810612 F	296	
*	OC281, INCL. POWER SUPPLY							
ORLG	PROCESS STEAM TRANSFE.	811221		KATYAL, A. K.		810612 F		
*	INST RACK OC222, INCL. POWER SUPPLY & PERIPHERAL							
2RLH	BOP INST RACK INSERT	820101		BORREGARD, K.		810612 F	298	
*	IN PANEL 2C146, INCL. POWER SUPPLY							
ORLJ	BOP INST RACK INSERT	810901		BORREGARD, K.		810612 F	299	
*	IN PANEL OC180, INCL. POWER SUPPLY							
ORLK	BOP INST RACK INSERT	820301	801110 A	BORREGARD, K.		810731 F	300	
*	IN PANEL OC224, INCL. POWER SUPPLY							
ORLL	BRS/LWS PROGRAMMABLE CONTROLLER SYSTEM, INCLUDING REMOTE I/O CABINETS & PANEL	811020		LONG, R. J.		810428 A	60	
*	OC104 INSERTS							
ORLM	RADWASTE GAS SYSTEM PROGRAMMABLE CONTROL INCLUDING REMOTE I/O CABINETS & PANELS	820104		LONG, R. J.		810521 A	61	
*	OC188 INSERTS							
ORLN	ROOM WATER LEVEL MONITORING SYS., INCL. PANEL OC29 INSERT	830314 L		TONDREAU, D. P.		810731 F	62	
*	CABINET 46 ANALOG ISOLATION	810619 E		MALENFANT		810612 F		
2RLO	CABINET 46 ANALOG ISOLATION	810909		MALENFANT		810612 F		
*	CABINET 47 DIGITAL ISOLATION	810619		MALENFANT		810612 F		
2RLP	CABINET 47 DIGITAL ISOLATION	810909		MALENFANT		810612 F		
*	AUX. FEEDWATER CONTROL C445A/B	820503		BORREGARD, K.		810814 F		
2RLR	AUX. FEEDWATER CONTROL C445A/B	820401		BORREGARD, K.		810814 F		
*	SAFETY PARAMETER INSTR. RACKS			EISCHENS, W. J.				
1RLQ	SAFETY PARAMETER INSTR. RACKS			EISCHENS, W. J.				
1SAA	EMERGENCY CORE COOLIN ACTUATION B&W	820101 L		UGORCAK, D. J.		810423 A	231	
2SAA	EMERGENCY CORE COOLIN ACTUATION B&W	811201 E		UGORCAK, D. J.		810423 A	232	

		CPCO TEST SCHEDULE REVISION 11			B2142			
S/U	SYSTEM	T/O	E. T/O	A. RESPONSIBLE				
* SYSTEM	DESCRIPTION	DATE	L. STATUS	F. H/D ENGINEER	ENG SY.	MINI.	F. SCHED. F. RID	
1SAB	EMERGENCY SAFETY FEAT- TURES ACTUATION BECHTEL	820101		UGORCAK, D. J.	810423 A		233	
2SAB	EMERGENCY SAFETY FEAT- TURES ACTUATION BECHTEL	811201		UGORCAK, D. J.	810423 A		168	
1SAC	SAFETY PARAMETER INSTR. RACKS							
2SAC	SAFETY PARAMETER INSTR. RACKS							
1SAD	ISOLATION ANALOG			MALENFANT				
2SAD	ISOLATION ANALOG			MALENFANT				
1SAE	DIGITAL ISOLATION			MALENFANT				
2SAE	DIGITAL ISOLATION			MALENFANT			285	
1SBA	REACTOR PROTECTION	830301 L		TONDREAU, D.	810927		286	
2SBA	REACTOR PROTECTION	820801 E		TONDREAU, D.	810927			
1SBB	ANTICIPATORY REACT. TRIP SYSTEM (ARTS)	820801		UGORCAK, D.	810927			
2SBB	ANTICIPATORY REACT. TRIP SYSTEM (ARTS)			UGORCAK, D.	810927			
1SCA	NNI INSTRUMENTATION	811201		WISSMAN, A. T.	810326 A		213	
2SCA	NNI INSTRUMENTATION	811001 E		WISSMAN, A. T.	810326 A		214	
1SCB	* LOOSE PARTS MONITORIN & VIB MONITOR	820901 L		FORD, C. D.	810326 A		208	
2SCB	LOOSE PARTS MONITORIN & VIB MONITOR	820701		FORD, C. D.	810326 A		209	
1SCC	* REACTOR VESSEL FLANGE LEAK DETECTION	811201		KHAN, A. M.	810117			
2SCC	REACTOR VESSEL FLANGE LEAK DETECTION	811015		KHAN, A. M.	810117			
1SDA	REACTOR BLD. AREA RADIATION MONITORING	820901		RAZGUNAS	810319		234	
2SDA	REACTOR BLDG. AREA RADIATION MONITORING	820701		RAZGUNAS	810319		235	
OSDB	AUXILIARY BLDG. AREA RADIATION MONITORING	820701		RAZGUNAS	810319		236	
1SDB	AUXILIARY BLDG. AREA RADIATION MONITORING			RAZGUNAS				
2SDB	AUXILIARY BLDG. AREA RADIATION MONITORING			RAZGUNAS				
OSDC	TURBINE BLDG. ETC. RADIATION MONITORING	820701		RAZGUNAS	810319		237	
OSDD	RADWASTE RADIATION MONITORS	821201 L		RAZGUNAS	810319			
OSDE	RADIATION MONITOR COMPUTER	820201 E		RAZGUNAS	810626 F		284	
1SEA	IN-CORE MONITORS & INSTRUMENTATION	820801		TONDREAU, D.	820213			
	* 1SEA-1 SUB/SYS IN- CORE MONITORS & STORAGE REELS	830801 L						
	* 1SEA-2 SUB/SYS 1CM CR READOUT INSTRUMENTAT	830801		TONDREAU, D.				
	* 1SEA-3 SUB/SYS REMOTE	811001 E		TONDREAU, D.				

CPCD TEST SCHEDULE REVISION 11

B2142

* S/U	SYSTEM	T/O	E. T/O	A. RESPONSIBLE	ENG SY.	MINI.
* SYSTEM	DESCRIPTION	DATE	L. STATUS	F. H/O ENGINEER	REVIEW	F. SCHED. F. RID
*	ANALOG PERIPHERAL CABINET					
2SEA	IN-CORE MONITORS & INSTRUMENTATION			TONDREAU, D.	820213	
*	2SEA-1 SUB/SYS IN-CORE MONITORS & STORAGE REELS	830228		TONDREAU, D.		
*	2SEA-2 SUB/SYS ICM CR READOUT INSTRUMENTA-	830228		TONDREAU, D.		
*	2SEA-3 SUB/SYS REMOTE ANALOG PERIPHERAL CABINET	811001		TONDREAU, D.		
1SEB	OUT-OF-CORE MONITORS			TONDREAU, D.	820213	
*	1SEB-1 SUB/SYS EXCORE NEUTRON DETECTORS	830516		TONDREAU, D.		
*	1SEB-2 SUB/SYS EXCORE DETECTOR WELLS & J BOX	830516		TONDREAU, D.		
*	1SEB-3 SUB/SYS EXCORE INSTR. SR/IR/PR	830301		TONDREAU, D.		
2SEB	OUT-OF-CORE MONITORS			TONDREAU, D.	820213	
*	2SEB-1 SUB/SYS EXCORE NEUTRON DETECTORS	821204		TONDREAU, D.		
*	2SEB-2 SUB/SYS EXCORE DETECTOR WELLS & J BOX	821204		TONDREAU, D.		
*	2SEB-3 SUB/SYS EXCORE INSTR. SR/IR/PR	820718		TONDREAU, D.		
1SFA	CONTROL ROD ASSEMBLIE DRIVES & INDICATION	820901 L			810811	117
2SFA	CONTROL ROD ASSEMBLIE DRIVES & INDICATION	820601			810811	169
1SFB	CONTROL ROD DRIVE	820601			810811	
2SFB	POWER SUPPLY & CONTRL CONTROL ROD DRIVE	820401 E			810811	
OSGA	SEISMIC INSTRUMENTATION	821001 E		CRAWFORD, R. F.	820313	
OSJA	REACTOR PLANT SAMPLIN	820901 L		RACK, C. W.	810802	63
1SJA	REACTOR PLANT SAMPLIN	820901		RACK, C. W.	810802	118
2SJA	REACTOR PLANT SAMPLIN	820601 E		RACK, C. W.	810802	170
1SOA	SAFETY PARAMETER DISPLAY CONSOLE (SPDC)	830114 L		DAVIS, K. S.		247
2SOA	SAFETY PARAMETER DISPLAY CONSOLE (SPDC)	830114		DAVIS, K. S.		248
OSOB	HAZARDOUS GAS MONITORING SYSTEM (HGMS)	821112 E		LUI		
OSPA	PROCESS RADIATION MONITOR	830101 E		NEWTON, C. V.	810319	64
1SPA	PROCESS RADIATION MONITOR			NEWTON, C. V.		119
2SPA	PROCESS RADIATION MONITOR			NEWTON, C. V.		171
OSPB	PROCESS STEAM RADIATION MONITORING	830101		NEWTON, C. V.	810319	65
1SPC	REACTOR BLDG. COM-			RACK, C. W.		238

CPCO TEST SCHEDULE REVISION 11

B2142

S/U	SYSTEM	T/O	E. T/O	A. RESPONSIBLE	ENG SY.	MINI
SYSTEM	DESCRIPTION	DATE	L. STATUS	F. H/O ENGINEER	REVIEW	F. SCHED. F. RID
	BUSTABLE GAS & RADIA MONITORING SYS.					
2SPC	REACTOR BLDG. COM- BUSTABLE GAS & RADIA- TION MONITORING SYS.			RACK, C. W.		239
OSQA	INTEGRATED CONTROL	820401 E		KATYAL, A. K.	810626 F	
1SQA	INTEGRATED CONTROL	820401		KATYAL, A. K.	810626 F	
2SQA	INTEGRATED CONTROL	820401		KATYAL, A. K.	810626 F	
9MIS	MISC. MATERIAL					
BZZZ	2-ALPHA RJ SYSTEM					172
 END REPORT					387

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NRC official changes testimony

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By PAUL RAU
Daily News staff writer

A top ranking official of the Nuclear Regulatory Commission changed his testimony Tuesday and said he was aware of the proposed quality assurance (QA) stipulation prior to the May 18-22 inspection of the Midland nuclear plant.

James Keppler, head of NRC's Region 3 Office of Inspection and Enforcement, had testified Monday that he did not recall whether he knew of the stipulation before the inspection, or before he prepared his testimony based on the inspection.

Tuesday, Keppler said NRC attorney William Paton had reminded him that he "had made me aware that a stipulation was being considered, and in fact sent some material to my office" before the inspection.

Keppler also testified Tuesday that he had told intervenor Barbara Stamiris the day before the inspection that a stipulation was being considered. "So, I was aware," Keppler told an Atomic Safety and Licensing Board panel during a quasi-judicial hearing on soil problems at the Midland nuclear plant.

Mrs. Stamiris had brought the change in testimony to the ASLB's attention Tuesday morning by saying there were "some incorrect things

Soil hearing

said" during Keppler's time on the witness stand Monday.

The stipulation, which has been partially accepted by the ASLB, is an agreement between NRC and Consumers Power Co. not to litigate some portions of the soil question.

In it, Consumers agrees that QA programs at the nuclear plant were deficient prior to December 1979. The utility also agrees not to contest the NRC's contention that soil problems at the plant represent a "breakdown" in QA programs.

QA is the system of controls which assures the plant will be built correctly. The portion of the stipulation not accepted by the ASLB states that the NRC can now give its "reasonable assurance" that QA programs at the plant will be adequately implemented in the future.

This issue — plant QA in the future — is the heart of the soil hearing, and the ASLB refused to accept the "reasonable assurance" without delving into the QA situation through witness testimony.

Mrs. Stamiris has vigorously opposed the stipulation, claiming that since past QA problems have led to the soil hearing, a full accounting of the past problems should be heard. She has said the agreement by NRC and Consumers not to litigate past QA

problems will unjustly reduce the scope of the soil hearing.

Some parties at the hearing apparently are concerned that Keppler's knowledge of the proposed QA stipulation before the May inspection could have somehow affected the conclusions reached by the nine NRC inspectors who participated. One of the main purposes of the inspection was to gauge the adequacy of current QA programs.

After Keppler's memory was jogged Tuesday as to when he learned of the stipulation, he said his office had received a copy before the inspection, and that members of the NRC inspection team also knew of the stipulation prior to their arrival at the plant.

The inspection identified some continuing QA problems, but Keppler said they were not severe enough to prevent him from giving his "reasonable assurance" that QA will be adequate in the future.

When Mrs. Stamiris was asked if she believes Keppler and the inspection team could have known of the stipulation and not been affected by it, she declined comment other than to say: "I think it's obvious. I don't think I need to do any more than raise the facts as they are and ask questions."

She also declined comment on Keppler's change in testimony.

During questioning by the ASLB Tuesday, Keppler testified that his prior knowledge of the stipulation "influenced me in no way at all," either during the inspection or when he prepared his testimony for the ASLB hearing afterward. He also said he was

not subconsciously effected by the stipulation.

However, Keppler said he has had "reservations from the beginning regarding the stipulation" because of its potential for limiting the hearing.

"I was concerned that entering into the stipulation might result in a lot of matters not being aired ... that might be appropriate," Keppler said.

He said he did not read the copies of the proposed stipulation before the inspection, although he was "generally aware what the intent of the stipulation was," and also did not attend a meeting of NRC and Consumers lawyers at which the document form was made final.

Keppler also said he is aware of statements by top Consumers officials indicating that if the soil hearing and corrective soil actions are not resolved by the end of 1981, the nuclear plant cannot be completed on schedule.

He said such pressures are "all around," but will not prevent the NRC from effectively regulating Consumers and the Midland plant.

"My job, and I take it very seriously, is to make sure that if nuclear power is used, it can be done safely. I have said that if their (Consumers') performance doesn't improve at Palisades (a Consumers nuclear plant near South Haven), I'll never license the Midland plant. That's about the strongest statement you can get from a regulator," Keppler said.

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D.

NRC didn't say it disapproved plan

By LORIE SHANE
Daily News staff writer

The Nuclear Regulatory Commission did not indicate to the Consumers Power Co. that it disapproved of action to speed up the settlement of a building at the Midland nuclear plant before that action was taken, an NRC project manager testified Friday.

Darl S. Hood, senior project manager in the licensing division of the NRC, testified under cross-examination that the NRC staff, although it was aware of the company's plans to "preload" the site's diesel generator building, did not tell the company not to do so.

He also said the staff did not encourage or approve the company's move.

Hood's testimony came on the last day of two weeks of soils hearings. The hearings are to discuss problems with soils at the Midland nuclear plant. The NRC has claimed that improper and poorly compacted soils were used as fill material under some buildings at the site. Some buildings since have shown excessive settlement and cracks.

A three-man panel of Atomic Safety and Licensing Board members has presided at the hearings.

One of the buildings showing excessive settlement is the plant's diesel generator building. That building is safety-related because it would supply power to the plant if other sources were cut off.

The diesel generator building has settled as much as seven inches in one corner, more than was predicted for the entire lifespan of the building.

Hood testified Friday he felt there was a "lack of appreciation or support of (NRC) staff review necessities and a tendency (on the part of Consumers) to push ahead despite the lack of proper assurance."

The diesel generator building action was one example of that "push," according to Hood's testimony.

When Consumers discovered that building's excessive settlement, it attempted to speed the building's settlement by loading it with thousands of tons of sand. That "preload" was applied in January 1979, and was removed in late August, 1979.

More specifically, Hood testified that Consumers applied the pre-load before answering NRC requests for more information. Consumers lead attorney Michael Miller, however, pointed out that the surcharge was applied in January and the formal request Hood is referring to was not presented to Consumers until March.

"Logically, they couldn't answer before they did the surcharge," Miller said.

Soil hearings

Miller then asked about a Dec. 4, 1978, meeting between Consumers and NRC staff during which the diesel generator building and the plan to preload the building were discussed.

"Did the staff, or any representative of the staff, say (to Consumers) 'Don't do it?'" asked Miller.

"No," Hood replied. The meeting notes, which are included with Hood's testimony, indicate the NRC was concerned with the preload plan, and staff members said if Consumers carried it out, it would be at the company's "own risk."

Hood said by risk, he meant both financial risk and the possibility that the NRC would not be able to approve the action after it was completed.

Hood explained that by going ahead

with the preload, Consumers has made evaluating the safety of the building more "difficult to review." He said the NRC now cannot receive "up-front" information, meaning information before the action is performed.

Miller asked, however, if the NRC could evaluate the effectiveness of the preload as a solution to settlement by observing the building day to day.

Hood agreed it could. Miller also recounted a July, 1979, meeting in Maryland between Consumers, the NRC, Bechtel Power Corp., and Consumers' consultants, during which the surcharge work was discussed.

Hood said he believed there was talk of when to remove the sand from around the building.

"Did anybody say, 'the surcharge hasn't been in place long enough. Don't remove it,'" Miller asked.

Hood said he would have been surprised if such a statement were made.

He said later it was "not so much which event preceded which event, but that staff requested information that should have been compiled and they didn't get it."

In a similar line of questioning, Miller asked if the NRC had ever told the company not to continue building heated water safety tanks.

The foundation of those tanks is believed to have settled unevenly, contributing to cracks in the foundation.

Hood said he was aware Consumers did an investigation after discovering

the cracks, and determined the problem was localized. He said he did not believe the NRC was satisfied with that evaluation.

He also said he was not surprised that no staff member told Consumers not to build the tanks because the NRC knew the tanks could be removed, if necessary.

Hood also agreed that there was a lack of NRC resources during 1979 because of a concentration of the commission on the Three Mile Island nuclear power accident.

He denied, however, that the lack meant the review of the Midland plant was carried out at a lower level than it ordinarily would have been.

Hood said the "timing of the events might have been affected," but that "there was no less level of effort" in the NRC review.

Hood also said during his testimony that, in his opinion, it would have been more "conservative" to remove and replace the soil under the diesel generator building, instead of applying a preload.

Consumers presented Donald M. Turnbull, the site quality assurance superintendent, as its final witness for this session. Turnbull testified regarding changes in the QA program. Cross-examination will not begin until the panel and parties reconvene in August.

Turnbull's testimony regarded how QA personnel identify and classify non-conformances, audits, and deviation reports, and watch for trends in various areas.

In testimony Thursday, a company vice-president said Consumers is listening to advice from independent consultant on how to get and keep a

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cost-effective quality assurance program.

James W. Cook, vice president for projects, engineering, and construction for Consumers, said the company is working with Philip Crosby, a quality assurance specialist and head of a consulting firm based in Winter Park, Fla.

Quality assurance are those programs that insure that a nuclear plant — or any other facility — will be built correctly and operated safely.

Cook explained to reporters that Crosby is, in effect, a "QA salesman." Crosby worked on missiles in the space program in the 1960s, coining the phrase "zero defects," Cook said. He later worked with ITT as vice president for quality assurance.

Crosby's theories about QA, as Cook explained, are that the definition of quality assurance is conformance to regulations; that QA should be geared to prevent problems, not just detect them; and that corporations should be aware of what it costs not to do a job correctly the first time.

"There is a huge corporate payoff by doing it right," Cook explained Crosby's points. Crosby is author of the book "Quality is Free."

Consumers would not change its current QA procedures by using Crosby as a consultant, but would view it as "incremental input," Cook said. He said Crosby has met with top-level Consumers representatives and that the utility currently is exploring how to use Crosby's services.

Cook said hiring the consultant is only "one small facet of the overall effort to do things properly and do them better."

In other areas, Cook testified he

would stay in touch with any remedial work done in the soils area through "reporting mechanisms," and that he will be a "direct participant in the final resolution of the remedial work with the staff."

In other areas Thursday, local intervenor Barbara Stamiris did not cross-examine Cook due to an apparent confusion between documents and terms.

Mrs. Stamiris had planned to ask Cook about documents which she said she believed indicated Consumers planned to install a permanent dewatering system at the plant site. In the past, the company had announced it would implement dewatering, then decided not to do so. Mrs. Stamiris presented documents that apparently showed the company again intended to do so, and said she believed that raised questions about design integrity.

As explained by Nuclear Regulatory Commission senior civil engineer Eugene Gallagher, the documents discussed two separate dewatering systems. The one the company will implement is a temporary system used only during construction to allow a dry place to work.

Mrs. Stamiris was told Cook was not the proper witness to ask about dewatering systems, and later was informed of the separate systems by Gallagher.

The soil hearing are exploring the problems with soils, what action Consumers has taken or plans to take to resolve those problems, and whether those corrective actions are adequate. While this portion of hearings focused on quality assurance in relation to soil problems, future sessions will discuss the technical aspects.

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Front Page Ed: Page Other Page

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West Valley Waste Agreement Sierra Club Opposes Renegotiation

The Sierra Club Radioactive Waste Campaign has sent letters to the New York state congressional delegation urging the congressional representatives to oppose any renegotiation of the West Valley cooperative agreement.

The agreement between the U.S. Department of Energy and the New York State Energy Research and Development Authority set the terms of the solidification of the high-level liquid wastes at West Valley.

In the letter the Sierra Club stressed the small percentage of fuel from New York state that was processed at the facility at West Valley. The club said only 1.7 percent of the fuel processed came from reactors in New York State. A higher percentage of fuel came from

Massachusetts and Illinois, 12.6 percent and 11.4 percent respectively.

The Sierra Club also stated the corporate owner of the site, Getty Oil, should have to bear a percentage of the clean up costs.

The letter said, "It is, in part, because of poor management of the site and defective equipment inside the high level liquid waste tank that the cleanup costs are so high. Why should New York taxpayers pay for this multinational corporation's mess?"

The Sierra Club Radioactive Waste Campaign is an organization devoted to public information and organizing on the subject of radioactive waste. The cooperative agreement signed in the fall of 1980 requires the federal govern-

ment to pay 90 percent of the cleanup costs and New York state 10 percent. The state has been credited \$35 million for providing facility usage and services toward its 10 percent share.

The cleanup is scheduled for 600,000 gallons of high-level nuclear waste stored at the now defunct Nuclear Fuel Services Inc. reprocessing plant in West Valley. The facility was the first of its kind in the United States and had accepted spent nuclear fuel to reprocess unused uranium and plutonium. The plant shut down operations in 1972 saying government regulations prevented profitable operations. NFS leased the land and facility from the state, but returned it when the lease expired last year.