



**Wisconsin
Electric**
POWER COMPANY

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VPNPD-91-133
NRC-91-037

April 24, 1991

U. S. NUCLEAR REGULATORY COMMISSION
Document Control Desk
Mail Station Pl-137
Washington, D. C. 20555

Gentlemen:

DOCKETS 50-266 AND 50-301
EMERGENCY PREPAREDNESS EXERCISE SCENARIO
POINT BEACH NUCLEAR PLANT, UNITS 1 AND 2

In accordance with Mr. A. Bert Davis' letter of March 16, 1987, a complete copy of the Point Beach Nuclear Plant Emergency Plan Exercise Scenario is provided for your records. The exercise was conducted on March 19, 1991. For your information, a copy of the scenario was provided to the Resident Inspector prior to the exercise because he was a part of the exercise inspection team.

Please note that the procedures containing names and telephone numbers are stamped "NRC ONLY, NOT FOR PUBLIC DISCLOSURE." A copy of the affected forms with names and numbers deleted is provided and is stamped "NAMES AND TELEPHONE NUMBERS DELETED" to assure confidentiality and facilitate your distribution to the Public Documents Room.

Please address any questions regarding this matter directly to our Emergency Planning Coordinator, Howard Gleason, 414-755-2321, Extension 381.

Very truly yours,

C. W. Fay
Vice President
Nuclear Power

Enclosure

Copies (without att) to NRC Regional Administrator, Region III
NRC Resident Inspector

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NAMES AND
TELEPHONE NUMBERS
DELETED

5.0 INITIAL CONDITIONS

Review

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5.0 Initial Conditions

5.1 Pre-Exercise Events - Station Log and Shift Turnover Checklist attached.

5.1.1 Load swing on Unit 2 for TSV testing performed on previous day.

5.2 Unit 1 at 1600 hours

5.2.1 Primary Plant conditions:

- a. Reactor Power = 97.5 %
- b. Tavq = 570 F
- c. RCS Press = 1985 psig
- d. Boron = 1.5 ppm

5.2.2 Secondary/Electric Plant conditions:

- a. Normal full power lineup
- b. Electrical Output = 510 MWe gross

5.2.3 Other overall plant conditions:

- a. 1RE109 has begun increasing within the past 24 hours to about 2 times normal value. The Chemists are currently sampling to verify and track primary coolant activity levels.
- b. Primary to secondary leak rate 0.17 gpd.
- c. 1RE211/212 OOS for calibration.
- d. SPING 21 (U-1 Purge Exhaust) OOS for maintenance.
- e. H-2 monitor HA-965 OOS.
- f. 1P2C Charging Pump OOS for maintenance.

5.3 Unit 2 at 1600 hours

5.3.1 Primary Plant conditions:

- a. Reactor Power = 100 %
- b. Tavg = 570 F
- c. RCS Press = 1985 psig
- d. Boron = 542 ppm

5.3.2 Secondary/Electric Plant conditions:

- a. Normal full power lineup
- b. Electrical Output = 515 MWe gross

5.3.3 Other overall plant conditions:

- a. Primary to secondary leak rate 8.35 gpd.
- b. 2P2A Charging pump OOS for Maintenance

5.4 Common Plant conditions at 1600 hours:

5.4.1 Service Building remodeling in progress. The potable water system to HP station area is OOS.

5.4.2 Service Water pump P32F OOS for maintenance.

5.5 Control Room Status Boards - See attachments to this section.

5.6 Radiological/Meteorological Status at 1600 hours:

- a. No known releases - system normal
- b. Wind Speed (primary tower) = 4.0 mph
- c. Wind Direction (primary tower) = 25 degrees
- d. Stability Class = D
 - Sigma Theta = 8.0 degrees
 - Delta T/ 35 meters (lapse rate) = -0.4 degrees

5.7 Controllers and Observers:

The following individuals are controllers and observers and for the purposes of this drill are on simulated vacation. Therefore, they are not available to respond to the emergency.

Attachments:

1. Station Log
2. Shift Turnover Checklist
3. Chemistry Control Room Summary Sheets for 19 Mar 91
4. Unit 1 Equipment Out-of-Service
5. Unit 2 Equipment Out-of-Service

STATION LOG

Emergency Plan
Drill Use Only

DATE	TIME	ENTRY	SHIFT
18 Mar 91	0700-1500	continued	Monday
	1000	Notified chemistry personnel of 0753 load increase/decrease	Shift "E"
	1017	Commenced increasing 2N load to facilitate TSV testing. (EHC operate auto - trip out) SCS alarm	
	1053	Started 2P25B Cond. pump	} Unit 2 in lock to full power level
	1058	Started 2P27A HDT pump	
	1109	Started 2P28B MFP	
	1150	Holding 2N @ 345 MW _e	
	1330	Dispatched _____ in WEPCO vehicle for KNPP. Goal return with Hagson Model 109 Day 4772 1207101 first stage pressure transmitter for Unit 2 EHC system (WPS had 3 on hand).	
Late Entry	1014	Closed Unit 2 action level 1 on Na - all action levels closed	
	1215	Chemistry Dept completed S/G pi/sec leakage calculation based upon this sample time: Unit 1: .17 gpd total C/E = N/A Unit 2: 8.35 gpd total C/E = .1	
	1352	WEPCO vehicle returned to PBNP - replacement transmitter on loan from KNPP in possession of I+C.	
3/18/91	1500-2300	Monday	"A"
	1502	I+C completed repairs on unit 2 1 st stage pressure for EH control. Shifted U-2 EH control to EM1 EA and tested by picking up 5 MW _e	
	1527	Completed stop valve test Unit 2 turbine	
	1534	Commenced load increase on U2 from 350 MW _e	
	1550	Completed TS-4 Unit 2 turbine stop valve and trip test.	
	1627	Chemistry reported Dose Equal I131 activity for U2 PLS. 0543 sample time = 8.73 E-3 uCi/cc 1230 sample time = 7.01 E-3 uCi/cc	
	1803	Unit 2 @ full load.	

CONTROL ROOM SHIFT TURNOVER CHECKLIST
UNIT 1

Date 19 Mar 9
Reviewed by _____

This checklist will be completed by the control operator when the reactor is critical. The checklist will be performed during the one-hour prior to watch relief. It will be reviewed by the offgoing and oncoming control operators, operating supervisors, and shift superintendents.

Changes to this checklist must be in compliance with NUREG-0578.

Emergency Plan
Drill Use Only

CRITICAL PLANT PARAMETERS

			INSTRUMENTS (SEE NOTE 1)	UNITS	RANGE	SHIFT		
						1	2	3
Loop Tave			TR-401	°F	540-575	570	570	
Loop Pressure			PT-420	Psig	1955-2020	2000	2000	
Pressurizer level			LI-426/427/428	%	20-50	46	46	
Steam Generator Pressure	A		PI-468/469/482	Psig	700-1005	825	825	
	B		PI-478/479/483	Psig	700-1005	820	820	
Steam Generator Level	A		LI-461/462/463	%	35-56	52	52	
	B		LI-471/472/473	%	35-56	52	52	
Condensate Storage Tank Level	A		LI-4038/4040	Feet	>10	19.5	19	
	B		LI-4039/4041	Feet	>10	19.2	18.7	
Containment Pressure Unit 1			1PI-969A/945/947/949	Psig	-1 to +2	0.5	0.4	
			1PI-958A/946/948/950	Psig	-1 to +2	0.2	0.2	
RWST level - Unit 1			1LI-972	%	>97	98	98	
Boric Acid Tank Level	A		1LI-106/172	%	65-98	70	70	
	B		LI-102/171	%	65-98	80	79	

Time	0605	1401
CO Initials	RV	NH

NOTE 1: Where multiple instruments are listed, circle the one being read.

CONTROL ROOM SHIFT TURNOVER CHECKLIST
UNIT 1

EMERGENCY SAFETY FEATURES SYSTEMS

ITEM		SHIFT		
		1	2	3
1SW-2907	Service Water - Containment Fan Coolers	S	S	
1SW-2908	Service Water - Containment Fan Coolers	S	S	
P32A	Service Water Pump	S	S	
P32B	Service Water Pump	S	S	
P32C	Service Water Pump	S	S	
P32D	Service Water Pump	S	S	
P32E	Service Water Pump	S	S	
P32F	Service Water Pump	S	S	
1W1A1	Containment Fan Cooler	S	S	
1W1B1	Containment Fan Cooler	S	S	
1W1C1	Containment Fan Cooler	S	S	
1W1D1	Containment Fan Cooler	S	S	
1SI-825A	RWST to SI Pumps	S	S	
1SI-825B	RWST to SI Pumps	S	S	
1SI-825C	MOV-825A&B Bypass Valve	S	S	
1SI-826A	Boric Acid Tank to Safety Injection Pump Suction Series Stop	S	S	
1SI-826B	Boric Acid Tank to Safety Injection Pump Suction Parallel Stop	S	S	
1SI-826C	Boric Acid Tank to Safety Injection Pump Suction Parallel Stop	S	S	
1P10A	RHR Pump	S	S	
Time		0605	1402	
CO Initials		RK	NH	

Emergency Plan
Drill Use Only

2 US

Emergency Plan
Drill Use Only

CONTROL ROOM SHIFT TURNOVER CHECKLIST
UNIT 1

Page 3 of 6
Date 19 Mar 91

EMERGENCY SAFETY FEATURES (Continued)

ITEM	CONDITION	SHIFT		
		1	2	3
1P10B	RHR Pump Switch - Auto Power Available	S	S	
1SI-856A	RHR Pump RWST Suction Valve Open	S	S	
1SI-856B	RHR Pump RWST Suction Valve Open	S	S	
1SI-896A	SI Pump Suction Valve Open	S	S	
1SI-896B	SI Pump Suction Valve Open	S	S	
1P15A	Safety Injection Pump Switch - Auto Power Available	S	S	
1P15B	Safety Injection Pump Switch - Auto Power Available	S	S	
1SI-866A	SI Pump Discharge Valve Open	S	S	
1SI-866B	SI Pump Discharge Valve Open	S	S	
1SI-878B	SI Pump Loop B Injection Valve Open	S	S	
1SI-878D	SI Pump Loop A Injection Valve Open	S	S	
1SI-878C	Vessel Safety Injection Isolation Valve Shut	S	S	
1SI-878A	Vessel Safety Injection Isolation Valve Shut	S	S	
1SI-852A	Core Deluge Switch - Auto Valve - Shut	S	S	
1SI-852B	Core Deluge Switch - Auto Valve - Shut	S	S	
1SI-870A	Cont Spray Pump RWST Suction Valve open	S	S	
1SI-870B	Cont Spray Pump RWST Suction Valve open	S	S	
1P14A	Spray Pump Switch - Auto Power Available	S	S	
1P14B	Spray Pump Switch - Auto Power Available	S	S	
1SI-860A	P14A Discharge Switch - Auto Valve - Shut	S	S	
1SI-860B	P14A Discharge Switch - Auto Valve - Shut	S	S	
1SI-860C	P14B Discharge Switch - Auto Valve - Shut	S	S	
1SI-860D	P14B Discharge Switch - Auto Valve - Shut	S	S	
Time		0606	1403	
CO Initials		RV	HH	

Emergency Plan
Drill Use Only

CONTROL ROOM SHIFT TURNOVER CHECKLIST
UNIT 1

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Date 19 Mar 91

EMERGENCY SAFETY FEATURES (Continued)

ITEM	CONDITION	SHIFT		
		1	2	3
ISI-851A Containment Sump Isolation Valve	Shut	S	S	
ISI-851B Containment Sump Isolation Valve	Shut	S	S	
Unit 1 Safety Injection Spray Active Status Board	All Lights Dim (Note 2)	S	S	
Unit 1 Safety Injection Spray Ready Status Board	All Lights Out Dim (Note 2)	S	S	
Unit 1 Safety Injection Blocked Status Board	Out	S	S	

**Emergency Plan
Drill Use Only**

AUXILIARY FEEDWATER SYSTEMS/EMERGENCY POWER

1A52-60	G01 to Bus 1A05	Switch - Auto Power Available	S	S	
1A52-66	G02 to Bus 1A06	Switch - Auto Power Available	S	S	
AF-4023	P38A Discharge to Steam Generator A (Unit 1)	Open	S	S	
AF-4023	Control Switch	Auto (Not in Pull)	S	S	
AF-4021	P38B Discharge to Steam Generator B (Unit 1)	Open	S	S	
AF-4021	Control Switch	Auto (Not in Pull)	S	S	
White Light	DC Control Power (A Train)	On	S	S	
White Light	DC Control Power (B Train)	On	S	S	
PIC-4019	P38B Discharge Pressure Controller at C01	Auto/1200 psig	S	S	
PIC-4012	P38A Discharge Pressure Controller at C01	Auto/1200 psig	S	S	
P38A	Control Switch	Switch - Auto Power Available	S	S	
P38B	Control Switch	Switch - Auto Power Available	S	S	
1MS-2019	1P29 Steam Supply	Switch - Auto Power Available	S	S	
1MS-2020	1P29 Steam Supply	Switch - Auto Power Available	S	S	
1AF-4000	Auxiliary Feed Pump to Steam Generator B	Throttled	S	S	
1AF-4001	Auxiliary Feed Pump to Steam Generator A	Throttled	S	S	
1MS-2082	1P29 Overspeed Trip Valve	Not Tripped	S	S	

NOTE 2: List all bright lights in the remarks section.

Time	0607	1405
CO Initials	KV	NH

CONTROL ROOM SHIFT TURNOVER CHECKLIST
UNIT 1

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REACTOR COOLANT SYSTEM

ITEM	CONDITION	SHIFT		
		1	2	3
1RC-431C Pressurizer Power-Operated Relief Valve	Switch - Auto Shut	S	S	
1RC-430 Pressurizer Power-Operated Relief Valve	Switch - Auto Shut	S	S	
1RC-515 PCV-431C Block Valve	Open	S	S	
1RC-516 PCV-430 Block Valve	Open	<u>US</u>	<u>US</u>	
Pressurizer Heater Group E	On	S	S	
Time		0608	1406	
CO Initials		RV	NH	

Emergency Plan
Drill Use Only

REMARKS:

- ① Shut due to PORV leakage.
- ② OOS for oil change

ALARMS

List all alarming annunciators for engineered safeguards systems on CO1 and CO2 and the reason for each.

SHIFT 1

None

CO Initials RV

SHIFT 2

None

CO Initials NH

SHIFT 3

CO Initials _____

CONTROL ROOM SHIFT TURNOVER CHECKLIST
UNIT 2

Page 2 of 6
Date 19 Mar 91

EMERGENCY SAFETY FEATURES SYSTEMS

	ITEM	CONDITION	SHIFT		
			1	2	3
2SW-2907	Service Water - Containment Fan Coolers	Switch - Auto Valve - Shut	S	S	
2SW-2908	Service Water - Containment Fan Coolers	Switch - Auto Valve - Shut	S	S	
P32A	Service Water Pump	Switch - Auto Power Available	S	S	
P32B	Service Water Pump	Switch - Auto Power Available	S	S	
P32C	Service Water Pump	Switch - Auto Power Available	S	S	
P32D	Service Water Pump	Switch - Auto Power Available	S	S	
P32E	Service Water Pump	Switch - Auto Power Available	S	S	
P32F	Service Water Pump	Switch - Auto Power Available	S	(S)	
2W1A1	Containment Fan Cooler	Switch - Auto Power Available	S	S	
2W1B1	Containment Fan Cooler	Switch - Auto Power Available	S	S	
2W1C1	Containment Fan Cooler	Switch - Auto Power Available	S	S	
2W1D1	Containment Fan Cooler	Switch - Auto Power Available	S	S	
2SI-825A	RWST to SI Pumps	Switch - Auto Valve - Shut	S	S	
2SI-825B	RWST to SI Pumps	Switch - Auto Valve - Shut	S	S	
2SI-825C	MOV-825A&B Bypass Valve	Switch - Open Valve - Open	S	S	
2SI-826A	Boric Acid Tank to Safety Injection Pump Suction Series Stop	Switch - Auto Valve - Open	S	S	
2SI-826B	Boric Acid Tank to Safety Injection Pump Suction Parallel Stop	Switch - Auto Valve - Shut	S	S	
2SI-826C	Boric Acid Tank to Safety Injection Pump Suction Parallel Stop	Switch - Auto Valve - Shut	S	S	
2SI-856A	RHR Pump RWST Suction	Valve - Open	S	S	
2SI-856B	RHR Pump RWST Suction	Valve - Open	S	S	
Time			0606 1405		
CO Initials			JM NK		

Emergency Plan
Drill Use Only

CONTROL ROOM SHIFT TURNOVER CHECKLIST
UNIT 2

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Date 19 Mar 91

EMERGENCY SAFETY FEATURES (Continued)

ITEM	CONDITION	SHIFT		
		1	2	3
2P10A	RHR Pump Switch - Auto Power Available	S	S	
2P10B	RHR Pump Switch - Auto Power Available	S	S	
2SI-852A	Core Deluge Switch - Auto Valve - Shut	S	S	
2SI-852B	Core Deluge Switch - Auto Valve - Shut	S	S	
2SI-896A	SI Pump Suction Valve - Open	S	S	
2SI-896B	SI Pump Suction Valve - Open	S	S	
2P15A	Safety Injection Pump Switch - Auto Power Available	S	S	
2P15B	Safety Injection Pump Switch - Auto Power Available	S	S	
2SI-866A	SI Pump Discharge Valve Open	S	S	
2SI-866B	SI Pump Discharge Valve Open	S	S	
2SI-878B	SI Pump Loop B Injection Valve Open	S	S	
2SI-878D	SI Pump Loop A Injection Valve Open	S	S	
2SI-878C	Vessel Safety Injection Isolation Valve Valve Shut	S	S	
2SI-878A	Vessel Safety Injection Isolation Valve Valve Shut	S	S	
2SI-870A	Cont Spray Pump RWST Suction Valve Open	S	S	
2SI-870B	Cont Spray Pump RWST Suction Valve Open	S	S	
2P14A	Spray Pump Switch - Auto Power Available	S	S	
2P14B	Spray Pump Switch - Auto Power Available	S	S	
2SI-851A	Cont. Sump Isolation Valve Valve Shut	S	S	
2SI-851B	Cont. Sump Isolation Valve Valve Shut	S	S	
	Unit 2 Safety Injection Spray Active Status Board	All Lights Out (Note 2)	S	S
	Unit 2 Safety Injection Spray Ready Status Board	All Lights Out (Note 2)	S	S
	Unit 2 Safety Injection Blocked Status Board	Out	S	S

**Emergency Plan
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NOTE 2: List all bright lights in the
remarks section.

Time	0607	1406
CO Initials	JM	NW

CONTROL ROOM SHIFT TURNOVER CHECKLIST
UNIT 2

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Date 19 Mar 91

AUXILIARY FEEDWATER SYSTEMS/EMERGENCY POWER

ITEM	CONDITION	SHIFT		
		1	2	3
AF-4022	P38A Discharge to Steam Generator A (Unit 2)	S	S	
AF-4022	Control Switch	S	S	
AF-4020	P38B Discharge to Steam Generator B (Unit 2)	S	S	
AF-4020	Control Switch	S	S	
White Light	DC Control Power (A Train)	S	S	
White Light	DC Control Power (B Train)	S	S	
PIC-4019	P38B Discharge Pressure Controller at C01	S	S	
PIC 4012	P38A Discharge Pressure Controller at C01	S	S	
P38A	Control Switch	S	S	
P38B	Control Switch	S	S	
2A52-73	G01 to Bus 2A05	S	S	
2A52-67	G02 to Bus 2A06	S	S	
2MS-2019	2P29 Steam Supply	S	S	
2MS-2020	2P29 Steam Supply	S	S	
2AF-4000	Auxiliary Feed Pump to Steam Generator B	S	S	
2AF-4001	Auxiliary Feed Pump to Steam Generator A	S	S	
2MS-2082	2P29 Overspeed Trip Valve	S	S	
Time		06081407		
CO Initials		JM NW		

**Emergency Plan
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CONTROL ROOM SHIFT TURNOVER CHECKLIST
UNIT 2

REACTOR COOLANT SYSTEM

**Emergency Plan
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ITEM	CONDITION	SHIFT		
		1	2	3
2RC-431C	Pressurizer Power-Operated Relief Valve	S	S	
2RC-430	Pressurizer Power-Operated Relief Valve	S	S	
2RC-515	PCV-431C Block Valve	S	S	
2RC-516	PCV-430 Block Valve	(US)	(US)	
2T-1E	Pressurizer Heater Group E	S	S	
Time		0609	1408	
CO Initials		JM	NW	

REMARKS:

- ① PORV-430 OOS due to leakage.
- ② P32F OOS for oil change

ALARMS

List all alarming annunciators for engineered safeguards systems on CO1 and CO2 and the reason for each.

SHIFT 1

None

CO Initials JM

SHIFT 2

None

CO Initials NW

SHIFT 3

CO Initials _____

TECHNICAL SPECIFICATION EQUIPMENT AND CONTAINMENT INTEGRITY VALVES

List all Technical Specification equipment in a degraded mode and containment integrity valves that are not in their normal positions. For equipment listed, compare the time that the equipment has been in a degraded mode with the time limitations established by Technical Specifications. For valves listed, identify the individual assigned the responsibility for shutting the valve in the event of containment isolation.

**Emergency Plan
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SHIFT 1

PORV-430
RI-127
P2A } No time limit

CO Initials JM

SHIFT 2

PORV-430
RI-127
P2A
P32F } No time limit

CO Initials AW

SHIFT 3

CO Initials _____

REVIEW

SHIFT 1 - RELIEF

OFFGOING

ONCOMING

CO _____
OS _____
SS _____

CO _____
OS _____
SS _____

SHIFT 2 - RELIEF

CO _____
OS _____
SS _____

CO _____
OS _____
SS _____

SHIFT 3 - RELIEF

CO _____
OS _____
? _____

CO _____
OS _____
SS _____

Date 19 Mar 91

TECHNICAL SPECIFICATION EQUIPMENT AND CONTAINMENT INTEGRITY VALVES

List all Technical Specification equipment in a degraded mode and containment integrity valves that are not in their normal positions. For equipment listed, compare the time that the equipment has been in a degraded mode with the time limitations established by Technical Specifications. For valves listed, identify the individual assigned the responsibility for shutting the valve in the event of containment isolation.

SHIFT 1

PORV-430
HA-965
IP2C } No time limit

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CO Initials RV

SHIFT 2

PORV-430
HA-965
IP2C
SPING-21
P32F } No time limit

RE-211/212 oos at 0810.
48 hour LCO.

CO Initials NH

SHIFT 3

CO Initials _____

REVIEW

SHIFT 1 - RELIEF

OFFGOING

ONCOMING

CO _____
OS _____
SS _____

CO _____
OS _____
SS _____

SHIFT 2 - RELIEF

CO _____
OS _____
SS _____

CO _____
OS _____
SS _____

SHIFT 3 - RELIEF

CO _____
OS _____
S _____

CO _____
OS _____
SS _____

 THIS IS A DRILL THIS IS A DRILL THIS IS A DRILL

CONTROL ROOM SUMMARY SHEET FOR R 91

UNIT 1

**Emergency Plan
 Drill Use Only**
**Emergency Plan
 Drill Use Only**

CONCENTRATIONS

BORON	RCS	HOTLEG/RHR	1.2	PPM	19-MAR-1991	08:40
	PZR		1.2	PPM	19-MAR-1991	08:40
	BAST A		12.5%	BORIC ACID	19-MAR-1991	11:21
	BAST B		12.5%	BORIC ACID	19-MAR-1991	11:23
	RWST (OLD)		2163.0	PPM	12-MAR-1991	10:12
	RWST (NEW)		2170.0	PPM	19-MAR-1991	11:12
	SF PIT (OLD)		2486.0	PPM	08-MAR-1991	13:00
	SF PIT (NEW)		2437.0	PPM	15-MAR-1991	13:00
	RMWT		2.1	PPM	13-MAR-1991	14:30
	ACCUM A		2166.0	PPM	08-MAR-1991	15:00
	ACCUM B		2169.0	PPM	08-MAR-1991	15:05
%NaOH	SPRAY ADD TK		30.8	%NaOH	05-MAR-1991	18:32
H2	RCS		30.80	cc/Kg	19-MAR-1991	10:15

ACTIVITIES

PRIMARY	GROSS	1.30E-2	µCi/cc	19-MAR-1991	08:40
	100/E	250	µCi/cc	19-MAR-1991	08:40
	GASEOUS	0.14	µCi/cc	19-MAR-1991	10:15
STM GEN	A	<MDA		18-MAR-1991	08:00
	B	<MDA		18-MAR-1991	08:00

PRIMARY TO SECONDARY LEAKAGE SECTION

CHEM MEAS PRI/SEC LEAK RATE	.17	gpd	18-MAR-1991	10:30
LEAK RATE CORR FACTOR	TOTAL RADGAS OR RE215 NOT APPLICABLE			

 THIS IS A DRILL THIS IS A DRILL THIS IS A DRILL

CONTROL ROOM SUMMARY SHEET FOR 19-MAR-91

UNIT 2

CONCENTRATIONS

BORON	RCS	HOTLEG/RHR	542.0	PPM	19-MAR-1991	08:30
	PZR		542.0	PPM	19-MAR-1991	08:30
	BAST B		12.5%	BORIC ACID	19-MAR-1991	11:23
	BAST C		12.5%	BORIC ACID	19-MAR-1991	11:25
	RWST (OLD)		2226.0	PPM	12-MAR-1991	10:10
	RWST (NEW)		2281.0	PPM	19-MAR-1991	11:10
	ACCUM A		2220.0	PPM	08-MAR-1991	15:15
	ACCUM B		2281.0	PPM	08-MAR-1991	15:20
%NaOH	SPRAY	ADD TK	31.3	%NaOH	05-MAR-1991	18:30
H2	RCS		30.60	cc/Kg	19-MAR-1991	12:30

ACTIVITIES

PRIMARY	GROSS		9.61E-2	μCi/cc	19-MAR-1991	08:30
	100/E		366	μCi/cc	19-MAR-1991	08:30
	GASEOUS		0.10	μCi/cc	19-MAR-1991	10:15
STM GEN	A		1.36E-6	μCi/cc	19-MAR-1991	08:00
	B		8.34E-8	μCi/cc	19-MAR-1991	08:00

PRIMARY TO SECONDARY LEAKAGE SECTION

CHEM MEAS	PRI/SEC LEAK RATE	12.40	gpd	18-MAR-1991	10:30
LEAK RATE	CORR FACTOR	0.61		18-MAR-1991	10:30

**Emergency Plan
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UNIT ONE EQUIPMENT STATUS

MIXED BED "A" (LICH)	ON-OFF-RTO	_____	DATE	LAST BORON	_____	PPM
"B" (HOH)	ON-OFF-RTO	_____	DATE	LAST BORON	_____	PPM
DEBORATOR "A"	ON-OFF-RTO	_____	DATE	LAST BORON	_____	PPM
"B"	ON-OFF-RTO	_____	DATE	LAST BORON	_____	PPM
CATION	ON-OFF-RTO	_____	DATE	LAST BORON	_____	PPM
L.D. GAS STRIPPER	ON-OFF	_____	DATE	LAST BORON	_____	PPM
STM. GEN. B.D. "A"	_____	KLBS/HR		"B"	_____	KLBS/HR
NEUT. TANK DISCHARGE		UNIT 1	UNIT 2			
SERVICE WATER DISCHARGE		UNIT 1	UNIT 2	UNIT 1&2		
VOL H2 REGULATOR	_____	PSIG	_____	DATE		
RX COOLANT BORON	_____	PSIG	_____	DATE		

UNIT TWO EQUIPMENT STATUS

MIXED BED "A" (LHOH)	ON-OFF-RTO	_____	DATE	LAST BORON	_____	PPM
"B" (HOH)	ON-OFF-RTO	_____	DATE	LAST BORON	_____	PPM
DEBORATOR "A"	ON-OFF-RTO	_____	DATE	LAST BORON	_____	PPM
"B"	ON-OFF-RTO	_____	DATE	LAST BORON	_____	PPM
CATION	ON-OFF-RTO	_____	DATE	LAST BORON	_____	PPM
L.D. GAS STRIPPER	ON-OFF	_____	DATE	LAST BORON	_____	PPM
STM. GEN. B.D. "A"	_____	KLBS/HR	"B"	_____	KLBS/HR	
NEUT. TANK DISCHARGE	UNIT 1	UNIT 2				
SERVICE WATER DISCHARGE	UNIT 1	UNIT 2	UNIT 1&2			
VCT H2 REGULATOR	_____	PSIG	_____	DATE		
RX COOLANT BORON	_____	PSIG	_____	DATE		

UNIT ONE OUT OF SERVICE

* HA-965	CONTAINMENT H2 MONITOR (NO CAL GAS)
* PORV-430	LEAKS BY
* 1P2C	CHARGING PUMP
* 1RE211/212	U-1 CONTAINMENT AIR PARTICULATE/NOBLE GAS MONITORS
* P32F	SW PUMP
G501	5G AUX DIESEL

**Emergency Plan
Drill Use Only**

UNIT TWO OUT OF SERVICE

* PORV-430	LEAKS BY
* RI 127	CONTAINMENT HI RANGE RAD MONITOR
* 2P2A	CHARGING PUMP
* P32F	SW PUMP
G 501	5G AUX DIESEL

Emergency Plan
Drill Use Only

POINT BEACH NUCLEAR POWER PLANT
PUBLIC INFORMATION

INTRODUCTION

A significant aspect of emergency response is providing news media and the public with accurate and timely information about the accident. The public's perception and reaction are influenced by the information relayed to them. Certain elements within the exercise will test the Public Information response to ensure Wisconsin Electric Power Company is prepared for an emergency at Point Beach Nuclear Plant (PBNP). The Joint Public Information Center (JPIC), including rumor control, will be activated and fully exercised.

Preselected individuals will pose questions to players as concerned citizens; employees, members of the legal and financial communities, government officials, and as members of the media. A name and media outlet (print or electronic) should be used when acting as media. The following pages include questions for callers to test public information activities. Each list of questions is grouped by time in relation to specific events in the Drill Scenario. Free play by callers is encouraged. Always precede and follow call-in questions with "This is a Drill."

If you are playing a reporter at the JPIC, free play questions based on the information given during the briefings are encouraged. Additionally, questions about Wisconsin Electric Power Company, the state or counties, background on PBNP, radiation, protective actions, etc., can be asked.

11.0 PUBLIC INFORMATION

- 11.1 Media Calls to the Media Hotline
- 11.2 Calls to the Telephone Group and Operators
- 11.3 Calls to Various Company Locations
- 11.4 Public Calls to the JPIC Information Hotline
- 11.5 Public Information Message Cards

11.1 Media Calls to the Media Hotline

Media Calls to the Media Hotline

CAUTION: PRECEDE AND FOLLOW ALL CALLS WITH THE STATEMENT, "THIS IS A DRILL."

CALL

TIME

QUESTIONS

7:00 p.m.

1. This is _____ of WOMT Radio. I just got a call from a local ham radio operator who says there is something going on at Point Beach. What can you tell me?

I'm told there was a problem with a worker who was sprayed with radioactivity. How bad is it? Is he OK? Was he taken to the hospital here in Two Rivers?

I'll need an update on this as soon as you can. When can I expect a call back?

7:15 p.m.

2. This is _____ at the Herald-Times Reporter in Manitowoc. I just heard _____ at WOMT Radio report that there's been an accident at Point Beach. How serious is it?

Is this accident related at all to the 10 Security guards who were fired at the plant in January?

Are you activating your news center in Two Rivers?

7:30 p.m.

3. This is _____ at WBAY-TV in Green Bay. We're starting to get a bunch of calls from our viewers in the Manitowoc area. What's happening out there?

We've got a report of at least two people being sprayed with radioactivity. What can you tell me about that?

When did the accident occur and how long will it take to fix?

4. This is Channel 11 in Green Bay. We're sending a couple of camera crews over to Point Beach to cover the accident. Who can we talk to at the plant for the interview?

5. This is _____ at WTMJ in Milwaukee. Our Green Bay affiliate is telling us about the accident at Point Beach. I'd like to roll a tape for our 8 o'clock news. Tell me, what's happened?

What type of protective measures are you recommending residents there to take?

Has anyone been hurt? Anyone contaminated with radioactivity?

Have you informed the governor of the accident? What are his comments on the accident?

TIME

QUESTIONS

8:25 p.m.

6. This is _____ at TV 6. We're sending a crew to Point Beach. What's the quickest way to get up there and where should we go?

By the way, we're also chartering a helicopter to get some aerial footage of the plant. I want to make sure we have your permission for a flyover of the plant. Can we get your OK?

7. This is WHBY Radio in Appleton. I need some tape on the Point Beach incident. Can you tell me what's happening?

Why did the accident happen?

Is there any radioactivity coming from the plant and what reassurances can you give to people living around the plant?

8:50 p.m.

8. This is WBBM Radio in Chicago. We've received a call from our Manitowoc affiliate. They say you've got some problem at your Point Beach plant, and a possible meltdown. Can you confirm this?

Can you describe the cause of the accident, in layman's terms? Just how bad is this accident? Is it the worst one you've ever experienced? How does it compare to Three Mile Island?

9. _____ at WOMT again. I need an update on the situation at Point Beach. What can you tell me?

Is it true some employees at Point Beach were told to evacuate from the plant?

How many are still in there, and how safe are they?

We're getting a flood of calls from people throughout the lakeshore area. What should I tell them to reassure them of their safety?

Is your news center open yet? (If not, when will it be operational? We've got a lot of nervous people out there!)

9:20 p.m.

10. This is _____ at WCUB Radio in Manitowoc. I need a full report on what's been going on at Point Beach. I'm going to roll a tape. Can you give me a voice level? OK...I'm ready. Just count backwards from 5 and then tell me the status of the accident.

We just heard from one of our listeners that there are some people---probably some of your people in his fields with radiation gear on...and they're scaring the heck out of his kids. What's going on?

What's the plant's status?

Has anyone been hurt?

TIME

QUESTIONS

9:45 p.m.

11. This is _____ at the Chicago Tribune. I need an update on the situation at your Point Beach plant. Have you asked Com Ed officials for any assistance in fixing the problem?

How high are the radioactivity levels inside the plant? Have you informed the NRC of the accident? Have they sent any teams from their Glen Ellyn office to investigate yet?

10:25 p.m.

12. This is CUB Radio in Manitowoc again. We've received reports that a bomb went off inside your Point Beach plant. How much damage did it cause and was anyone hurt?

10:35 p.m.

13. Hi, this is _____ at USA Today. I'm getting tight on my deadline for tomorrow's paper and I need a quick quote from you or someone there about how bad this accident at your Point Beach plant was this evening.

How much liability insurance do you carry for your plant?

What impact will this accident have on the rest of the nuclear industry?

Is this another TMI?

11:20 p.m.

14. This is the Capital Times in Madison. I've got a few questions about the Point Beach accident, and I've just come from a CUB news conference. They say tonight's accident is a reaffirmation of their earlier comments that they've been right all along that Point Beach was just an accident waiting to happen. Don't you agree?

How is the accident and the unit outage going to affect your power supply to your customers during this cold spell we're having?

We've received reports that the accident was the result of operator error. Who was responsible for the accident, and will the guilty employee be fired?

15. Hi, this is _____ at WIXX Radio in Green Bay. I'm filling in on the news tonight for our regular news guy who is out sick. We've got a lot of worried folks in the Green Bay area who really need some reassurance that they're safe and won't have to evacuate their homes tonight.

TIME

QUESTIONS

16. This is WOMT Radio. Have you got the problem at Point Beach taken care of yet? How long will it be before it is?

What's the latest on the bomb threat? Did you find one?

How many people were evacuated from the area around the plant?

I need a report on what happened at the plant this evening for my next newscast. Can you give me a 30-second cut describing the sequence of events?

11.2 Calls to the Telephone Group and Operators

Calls to the Telephone Center and Operators

CAUTION: PRECEDE/FOLLOW ALL CALLS WITH THE STATEMENT "THIS IS A DRILL."

Call: (Milwaukee), (Appleton), (Iron
Mountain), (Racine), (Port Washington)

TIME

QUESTIONS

- 7:30 p.m.
1. Hello. I just heard on the radio that there's been an accident at your Point Beach Nuclear Plant. Can you tell me what happened?
 2. I'm calling from South Milwaukee. I'd like to know how safe my husband and I are from the radiation coming from your Point Beach plant.
 3. I'm worried about my lights going out because of that nuclear unit that just shut down up at Point Beach. What are you doing about it?
 4. I've got a small business just outside of Elkhart Lake. How safe am I from that accident at your Point Beach Nuclear Plant?
- 8:10 p.m.
5. I hear that they're evacuating people at Point Beach Nuclear plant. Am I supposed to evacuate too?
 6. I'm with the group Mobilization for Survival. Can you give me some information on the person who was irradiated at Point Beach tonight?
 7. I own the K-Mart just outside of Port Washington. I need to know if you have any plans to cut power to this area as a result of the problem at your Point Beach plant tonight.
- 8:43 p.m.
8. My mother lives in Two Creeks, and I can't get hold of her by phone and I need to know is she's OK after that accident at Point Beach. Is she being evacuated from the area?
 9. I'm a Wisconsin Electric stockholder, and I'm concerned about my investment, especially in light of what's happening at Point Beach tonight. Would you recommend that I sell my stock?
 10. This is . I'm producer of the Milwaukee's Talk show on WISN-TV 12. We'd like to get someone on tomorrow's show to talk about the dangers of nuclear power. Who would you recommend that we get on the show?
 11. My wife works at Point Beach and I need to know how she's doing. What number should I call to try to reach her?

TIME

10:50 p.m.

QUESTIONS

12. I'm a farmer in the Random Lake area, and I heard about your nuclear accident. What should I do to keep my cows and their milk safe from radiation?
13. Is it true a bomb was found at Point Beach? I thought you people always said a nuclear plant can't blow up.
14. My son's seventh grade class is supposed to go to your Point Beach Energy Center for a tour tomorrow. How can I check if it will be safe for him to even go there?
15. If there's major damage at your Point Beach Nuclear Plant as a result of tonight's accident, how much will that increase my electric bill.

11.3 Calls to Various Company Locations

Calls to Various Company Locations

CAUTION: PRECEDE AND FOLLOW ALL CALLS WITH THE STATEMENT, "THIS IS A DRILL."

<u>TIME</u>	<u>QUESTIONS</u>
6:50 p.m.	TO WE'S SYSTEM CONTROL CENTER - () - I heard there was an accident at your Point Beach Nuclear Plant tonight. Can you tell me what happened and how will this affect your plant's operations?
7:30 p.m.	TO IRON MOUNTAIN CONTROL CENTER - () - I'm calling from 294 Radio and need to get a quote from someone there regarding the accident at your Point Beach Nuclear Plant tonight. What can you tell me? TO STEAM SERVICES - () - What impact will there be on steam service to downtown Milwaukee as a result of tonight's nuclear power plant accident? TO COMPUTER DEPARTMENT AT SYSTEM CONTROL - () - This is the M&I Bank calling. We've got some concerns about how you're going to do computer transfers of cash now that you've had an accident at Point Beach tonight.
8:30 p.m.	TO PORT WASHINGTON POWER PLANT - () - I've got a fairly substantial investment in Wisconsin Energy common stock, and I know I'll be losing money as a result of tonight's accident at Point Beach. How soon can I sell my stock? TO APPLETON CONTROL CENTER - () - A man came to my house this evening and said he had to measure for radiation in connection with that accident at your nuclear plant tonight. He's in my house right now. Is this for real?
9:20 p.m.	TO GENERAL WE NUMBER - () - I'm trying to get hold of someone in your company's speakers bureau so they can come speak to my son's Boy Scout troop meeting tomorrow night. Can you arrange this? By the way, how bad is the situation up there right now?
9:50 p.m.	TO PRESQUE ISLE POWER PLANT - () - I've been hearing about the problem at your nuclear plant in Two Rivers. Tell me, can the same thing happen at your nuclear plant here in Marquette?
10:30 p.m.	TO POWER SYSTEM DISPATCHER - () - I'm a farmer in Valders, and my cows just won't give milk as a result of your accident at Point Beach tonight. Who can I talk to about filing a claim against your company? WE SECURITY DESK AT ANNEX LOBBY - () - I'd like to know just how secure the Point Beach Nuclear Plant is in light of the accident there tonight. How good is their security?

TIME

QUESTIONS

- TO PEWAUKEE STORES - () - I'm a vendor that regularly deals with your people at Point Beach. Who should I talk to regarding what they might need as a result of tonight's accident there?
- 11:20 p.m. TO PLEASANT PRAIRIE POWER PLANT -- () - I live near your power plant. Will tonight's accident at the Point Beach plant have an effect on your plant? And will your company have to raise rates to cover the cost of the accident.
- TO OAK CREEK POWER PLANT - () - My lights just went out a few minutes ago. Is it because of the accident you people had at Point Beach Nuclear Plant tonight?
- TO TRANSPORTATION & EQUIPMENT - () - I just saw one of your company's vehicles driving like hell away from your Point Beach plant. Does that mean there's a big problem up there tonight?
- 11:45 p.m. TO POINT BEACH NUCLEAR PLANT - () - I've been waiting for some word from the people at your plant that it's safe to go outside my home after that accident you had there tonight. Is it safe yet?

11.4 Public Calls to the JPIC Information Hotline

PUBLIC CALLS TO THE JPIC INFORMATION HOTLINE

CAUTION: PRECEDE AND FOLLOW ALL CALLS WITH THE STATEMENT, "THIS IS A DRILL."
CALL:

TIME

QUESTIONS

(Begin when hotline is activated.)

- Hour 1
1. Are state or local officials doing anything? Have they been notified of this emergency?
 2. You can't tell me I'm not in any danger. I just heard on the news that you're releasing radiation.
 3. Is this emergency getting worse? How long is it going to take to fix the problem?
 4. What should I do with my livestock? Surely they are in danger. Who's going to pay if my animals die of radiation?
 5. What hospital do you send radioactive people to?
 6. Just how serious is this accident? Is it anything like Chernobyl? How much danger am I really in?
 7. What are you doing to fix the problem?
 8. Should my children be given potassium iodide? Where can I get it?
 9. If I have to go to a hotel, will Wisconsin Electric pay the bill?
- Hour 2
10. Will this radiation contaminate my farm land? What about my livestock?
 11. Why weren't protective actions ordered? Who makes those decisions?
 12. Has the Governor been involved at all during this emergency? What is he doing?
 13. My mother lives near Two Rivers and she is an invalid. How do you know about invalids and will she be taken care of if she has to evacuate?
- Hour 3
14. Was anyone injured at the nuclear plant? I heard you have a big problem down there.
 15. Should I be alarmed about this emergency at the nuclear plant?
 16. Are the Manitowoc County officials doing anything? Have they been notified of this emergency?
 17. Where can I get those tablets that block radiation? How does it work?
 18. How many people have been injured or killed? Anyone?
 19. Should I wake my children and leave the area? I heard something on the news about an accident at the plant.

TIME

QUESTIONS

Hour 2

20. My husband works at the plant and I can't reach him. I heard there was a problem. How do I find out if he's been hurt.
21. Why are the sirens going off at the plant? Is there a problem?
22. How many people have been injured? What's the status of the plant?
23. How dangerous is this emergency at the plant? How will I know if I should leave the area?
24. Is the NRC doing anything about this? Are they going to investigate?
25. I heard the sirens go off at the plant from my farm. Do you have a problem going on?
26. If you're releasing radiation, why the heck aren't you telling people to get out of there?
27. What should I do? I heard there was an emergency at the plant.
28. What are you releasing and how much of it can kill someone? What direction is the radiation headed?
29. My mother lives in Kewaunee. Is she in danger?

Hour 3

30. What exactly are you doing to correct this problem? How long do you think this will last?
31. Can what's going on over there affect the Kewaunee Plant? Are we going to have double trouble here?
32. I thought I heard a loud explosion. Was that from Point Beach?
33. Is any of your core going into the lake?
34. I wonder how much cancer that nuclear plant has already caused. Now this! How much more cancer will there be because of this?
35. Should I not let my kids play with their Nintendo tomorrow because of the extra radiation out there?
36. How could this happen? Doesn't the NRC have some kind of law to prevent this type of thing from happening?
37. Don't you use lake water to cool the plant? Are you sending contaminated water back into the lake?
38. Are we still going to be able to fish on Lake Michigan after this?
39. How bad is it really? I want the truth.

TIME

QUESTIONS

40. If I have to leave, who's going to take care of my farm?
41. Can I let my dog outside to go to the bathroom?
42. I just turned on my radio and heard a little bit about Point Beach. Were people evacuated? Am I supposed to leave?
43. My son got called in to Point Beach tonight. He said he'd call, but I haven't heard from him. Is there any way I can get in touch with him?
44. My area hasn't been evacuated, but is there any way I can protect myself from radiation in case they're wrong?
45. Has any body died in this accident yet? Do you think anyone will?

11.5 Public Information Message Cards

PI CARD No. 1

Time: When first Milwaukee
Carload Arrives

FOR: JPIC STAFF ARRIVING FROM MILWAUKEE

MESSAGE/ACTION:

THIS IS A DRILL

An accident on I-43 has slowed your driving time by 20 minutes. You will remain here in the nonworking area of the Hamilton Community House for 20 minutes before proceeding to the working area. You will not be able to be in contact with other JPIC staffers for that period of time.

For Controller Use Only

Allow all but the first carload of JPIC workers from Milwaukee to proceed into the working area of the JPIC.

PI CARD No. 2

Time: 10:15 p.m.

FOR: PSB CONTROLLER AND CONTROLLER AT JPIC

MESSAGE/ACTION:

THIS IS A DRILL

The high volume of phone calls in the Two Rivers area resulting from tonight's accident has apparently knocked out all phone service in the area, including communications with Milwaukee, FAX machines and the ringdown phone.

Controller Notes

Read to JPIC manager and to PSB communications manager. Phones once again will be "operable" 10 minutes after the announcement is made.

PI CARD No. 3

Time: 10:00 p.m.

FOR: PSB COMMUNICATIONS COORDINATOR

MESSAGE/ACTION:

THIS IS A DRILL

There are 12 reporters in the PSB Annex lobby who are growing impatient that you have not held a media briefing in Milwaukee.

You will make arrangements to hold a media briefing in the PSB within 20 minutes. **YOU DO NOT NEED TO ACTUALLY HOLD THE BRIEFING, BUT PROCEED TO CONTACT NUCLEAR TECHNICAL SPOKESPERSON AND MAKE OTHER ARRANGEMENTS TO STAGE THE SESSION.**

For Controller Use Only

Give to PSB communications coordinator and observe steps he/she takes to prepare for the media briefing. Again, we are observing only the preparations for holding the briefing. It does not need to actually be conducted.

NAMES AND
 TELEPHONE NUMBERS
 DELETED

12.0 EXERCISE TELEPHONE DIRECTORY



12.0 EMERGENCY PLAN EXERCISE TELEPHONE DIRECTORY

12.1 Player Directory Extension/Phone

- 12.1.1 Lead Exercise Controller
- 12.1.2 Drill Control Room Drill ringdown
CR-TSC
-
- 12.1.3 Technical Support Center . . Drill ringdown
TSC-CR
-
- 12.1.4 Operations Support Center . . .
- 12.1.5 SBCC
- 12.1.6 EOF
- 12.1.7 JPIC
- 12.1.8 System Control Supervisor . .
- 12.1.9 All Other Onsite and Offsite Locations

Use numbers which appear in the EPIP call lists

***** CONTROLLER PHONES *****

*CONTROLLER PHONES = BLUE PHONES OR LITE SETS

12.2 CONTROLLER/OBSERVER DIRECTORY Extension/Phone

- 12.2.1 PBNP ()
- 12.2.2 Control Cell
- Control Cell
- Lead Exercise Controller
- 12.2.3 Facility/Lead Facility Controller (LFC)
- Drill Control Room
- LFC
- Technical Support Center
- LFC
- Operations Support Center
- LFC
- Survey teams Radio
- Emergency Operations Center . .
- LFC
- Health Physics - SBCC
- LFC
- Survey teams RADIO
- Joint Public Info Center

Extension locations

- Emergency planning office
- Emergency planning office
- Computer room
- Computer room
- Computer room
- phone
- TSC proper

TBA - TSC proper

- Classroom B
- Classroom C (NRC)
- EOF proper
- EOF proper
- DTA quarters
- ESM office