EPIP 1.5-1-C
Rev. 6 (MAJOR)

DEC 15 1992

PLANT OPERATIONS REVIEW COMMITTEE APPROVAL

Connecticut Yankee
Emergency Plan Implementing Procedure
EPIP 1.5-1

EMERGENCY ASSESSMENT

APPROVED BY STATION SUPERINTENDENT

EFFECTIVE DATE 12/15/92

1.0 PURPOSE

To identify the initiating and/or escalating conditions and Emergency Action Levels (EALs) used to classify plant emergencies.

2.0 RESPONSIBILITY

2.1 The Operations Shift Supervisor/Director of Station Emergency Operations (Director of SEO) is responsible for implementing this procedure.

3.0 ACTIONS

3.1 For incident classification of the existing emergency conditions, use Attachment 1.

3.1.1 Determine the key condition which best describes the type of incident that has occurred or is in progress.

3.1.2 Check initiating conditions and corresponding EALs for each NRC incident classification listed.

3.1.3 When an EAL has been reached or exceeded, implement the appropriate implementing procedure.

- o EPIP 1.5-3, Unusual Event.
- o EPIP 1.5-4, Alert.
- o EPIP 1.5-5, Site Area Emergency.
- o EPIP 1.5-6, General Emergency.

3.1.4 Determine the corresponding State of Connecticut Incident Posture Code for each NRC incident classification (Attachment 1).

3.2 When activation of the Station Emergency Plan or Implementing Procedures is not required, or an EAL has not been reached, refer to EPIP 1.5-2, Notification and Communication to determine if there are additional reporting requirements. Make reports as necessary.

3.3 For offsite emergency assistance, refer to EPIP 1.5-2, Notification and Communication, for applicable telephone numbers.

4.0 ATTACHMENTS

5.0 PROCEDURE CROSS REFERENCE

5.1 EPIP 1.5-2, Notification and Communication

5.2 EPIP 1.5-3, Notification of Unusual Event

5.3 EPIP 1.5-4, Alert

5.4 EPIP 1.5-5, Site Area Emergency

5.5 EPIP 1.5-6, General Emergency

TABLE 4-1 EMERGENCY ACTION LEVELS

CLASSIFICATION	UNUSUAL EVENT		ALERT		SITE AREA EMERGENCY		GENERAL EMERGENCY	
POSTURE CODE	DELTA-ONE/DELTA-TWO		CHARLIE-ONE		CHARLIE-TWO		BRAVO/ALPHA	
KEY CONDITIONS	INITIATING CONDITION	EMERGENCY ACTION LEVEL	INITIATING CONDITION	EMERGENCY ACTION LEVEL	INITIATING CONDITION	EMERGENCY ACTION LEVEL	INITIATING CONDITION	EMERGENCY ACTION LEVEL
BARRIER FAILURE OR IMMINENT BARRIER FAILURE	A. Initiation of emergency core cooling with discharge to vessel Delta One	A. Core cooling alarm and cont. press ≥ 3 psig and/or pzr. press ≤ 1700 psig					A. Loss of 2 of 3 barriers with a potential loss of the 3rd barrier Bravo	A. Core indications and/or possible core melt A2. Failure of cont. isolation indicated by CIS [illegible] indicator lights or visual observation and subsequent depressurization of cont. or cont. hydrogen concentration > 4% or cont. press > 40 psig
	B. Sudden fuel damage indication Delta One	B. CI RMS alarm and chemistry sample results	B. Severe loss of fuel cladding (greater than 1% fuel failures)	B. Chemistry sampling indicates > 17.5 µc/ml I-131 in Rx coolant	B. Degraded core with possible loss of coolable geometry	B. Subcooled monitor zero or less and T/C > 700 °F T.C. thermocouple or as indicated by samples		
	C. Abnormal RCS temperature or pressure Delta One	C. T cold > 548.6 °F or subcooled monitor zero or pzr. press ≤ 2000 psig for more than 2 hr						
	D. Exceeding primary PRI to SEC leak or PRI leak rate per tech. spec's. Delta One	D. PRI to SEC leak ≥ 0.4 gpm total or 150 gpd for any steam generator or PRI leak ≥ 1 gpm unidentified and not unbalanced or ≥ 10 gpm identified or [illegible]	D1. Rapid failure of steam generator tubes D2. Reactor coolant leak rate > 50 gpm	D1. Air ejector stack RMS alarm and auto start backup CHG pump and/or core cooling initiated D2. Auto makeup to VCT and startup of backup CHG pump and cont. air part. RMS alarm and pzr. pressure decreasing	D1. Rapid failure of tubes and simultaneous total loss of offsite power D2. LOCA > 160 gpm (Make-up pump capacity)	D1. Air ejector stack SG/BD RMS alarm and auto start of backup CHG pump and core cooling initiated and 480-4160 low voltage alarm D2. Cont. sump level increasing and low pzr. press alarm and cont. RMS high activity alarm	D1. Any potential core melt situation BRAVO D2. Any potential core melt situation BRAVO	D1. S.G. tube failure indications and low in 4160 and 480V > 15 min D2. LOCA > chg pump capacity and partial fail. ECCS as indicated by pump etc status or failure to S.I. [illegible] as indicated by [illegible] or Total loss of all feedwater & failure of ECCS
	E. Failure of RCS safety or relief valve to close Delta One	E. PORV open alarm or indicating lights. Acoustical monitor alarm and/or PRT hi press temp.						
	F. Significant loss of cont. integrity requiring shutdown by tech. spec. Delta One	F. Unexplained [illegible] alarm or [illegible] equipment failure resulting in inability to isolate containment penetration						
	G. Unplanned depressurization of secondary side Delta One	G. S.G. press 100 psi lower than expected or steam dump etc. SG safety etc. open/stuck open						

EMERGENCY ACTION LEVELS

CLASSIFICATION	UNUSUAL EVENT		ALERT		SITE AREA EMERGENCY		GENERAL EMERGENCY	
POSTURE CODE	DELTA ONE/DELTA TWO		CHARLIE-ONE		CHARLIE-TWO		BRAVO/ALPHA	
KEY CONDITIONS	INITIATING CONDITION	EMERGENCY ACTION LEVEL	INITIATING CONDITION	EMERGENCY ACTION LEVEL	INITIATING CONDITION	EMERGENCY ACTION LEVEL	INITIATING CONDITION	EMERGENCY ACTION LEVEL
BARRIER FAILURE OR IMMINENT BARRIER FAILURE			H. [illegible] [illegible]	Break Inside Containment [illegible] Break Outside Cont [illegible] Normal cont. press. [illegible]	H. [illegible]	H. Break Inside Cont [illegible] Break Outside Cont [illegible]		
					I. [illegible]	I. Direct observation		
					J. Actual or estimated releases corresponding to ≥ 50 mrem/hr WB dose rate or ≥ 250 mrem/hr thyroid at the site boundary	J. Stack RMS ≥ [illegible] [illegible]	J. RMS detect levels corresponding to [illegible] at site boundary BRAVO RMS detect levels corresponding to [illegible] at site boundary ALPHA	J. Stack RMS [illegible] Stack RMS [illegible]
RADIATION HAZARD	A. [illegible] Delta Two	A. Stack or liquid effluent RMS ≥ [illegible]	A. Radiological effluent ≥ 10 times tech. spec. [illegible]	A. Stack or liquid effluent RMS ≥ [illegible]	A. Actual or estimated releases corresponding to ≥ 50 mrem/hr WB dose rate or ≥ 250 mrem/hr thyroid at the site boundary	A. Stack RMS ≥ [illegible]	A. RMS detect levels corresponding to [illegible] at site boundary BRAVO RMS detect levels corresponding to [illegible] at site boundary ALPHA	A. Stack RMS [illegible] Stack RMS [illegible]

EMERGENCY ACTION LEVELS

CLASSIFICATION	UNUSUAL EVENT		ALERT		SITE AREA EMERGENCY		GENERAL EMERGENCY	
POSTURE CODE	DELTA-ONE/DELTA-TWO		CHARLIE-ONE		CHARLIE-TWO		BRAVO/ALPHA	
KEY CONDITIONS	INITIATING CONDITION	EMERGENCY ACTION LEVEL	INITIATING CONDITION	EMERGENCY ACTION LEVEL	INITIATING CONDITION	EMERGENCY ACTION LEVEL	INITIATING CONDITION	EMERGENCY ACTION LEVEL
RADIATION HAZARD	B. Sudden fuel damage Delta-One	B. [illegible] sample [illegible]	B. Severe loss of fuel cladding (greater than 1% fuel failures)	B. Chemistry sampling indicates ≥ 17.5 μCi/ml I-131 in reactor coolant				
			C. Rapid failure of SG tubes	C. Air ejector stack RMS alarm and [illegible] charging pumps and/or core cooling initiated				
			D. High radiation levels or high airborne contamination which indicates a severe degradation in the control of radioactive material	D. Area radiation monitors or [illegible] increase [illegible] ≥ 1000 times without [illegible]				
			E. Fuel handling accident with release of radioactivity to containment or spent fuel building	E. Cont/spent fuel building RMS alarm and direct observation of fuel handling accident	E. Major damage to spent fuel in cont. or fuel building	E. Cont/spent fuel building RMS ≥ [illegible] and direct observation of fuel handling accident		
							F. Loss of coolant accident and failure to isolate cont. [illegible] (BRAVO)	F. LOCA indications and failure [illegible]
STEAM LINE BREAK	A. Unplanned [illegible] of secondary side Delta-One	A. Site press. [illegible]		A.				
			B. Steam line break with SGTR (SGTR: stm. gen. tube rupture)	B. Break Inside Cont. Low SG press., RCS press. and high cont. press./temp. [illegible] area RMS alarm. Break Outside Cont. Low SG press. RCS press. Normal cont. press. and abnormal [illegible]	B. Steam line break and indication fuel damage and SGTR (SGTR: stm. gen. tube rupture)	B. Break Inside Cont. Hi cont. press/temp and cont. RMS alarm and [illegible] Break Outside Cont. [illegible] Normal cont. press.		

EMERGENCY ACTION LEVELS

CLASSIFICATION	UNUSUAL EVENT		ALERT		SITE AREA EMERGENCY		GENERAL EMERGENCY	
PROTOCOL CODE	DELTA ONE/DELTA-TWO		CHARLIE-ONE		CHARLIE-TWO		BRAVO/ALPHA	
KEY CONDITIONS	INITIATING CONDITION	EMERGENCY ACTION LEVEL	INITIATING CONDITION	EMERGENCY ACTION LEVEL	INITIATING CONDITION	EMERGENCY ACTION LEVEL	INITIATING CONDITION	EMERGENCY ACTION LEVEL
LOSS OF POWER	A. Total loss of offsite power or loss of onsite AC power capability Delta One	A. [illegible] low-voltage alarms or emergency diesels [illegible]	A. Loss of offsite power and loss of all onsite AC power	A. [illegible] low voltage alarms and emergency diesels [illegible] and all offsite [illegible]	A. Total loss of offsite power and loss of all onsite AC power for more than 15 min	A. 480/4160 low voltage alarm and both diesels inoperable	A. Potential for [illegible] not to last > 2 hours Bravo	A. [illegible] RCP [illegible] temp > [illegible]
			B. Loss of all onsite DC power	B. Loss of battery power	B. Loss of all onsite DC power for more than 15 min	B. Battery trouble alarms	B. Station blackout > 2 hrs Bravo	B. Core exit indications
			C. Rapid gross failure of one steam generator tube with loss of offsite power	C. Air ejector stack RMS alarm and auto start backup CHG pump and/or core cooling initiated	C. Rapid failure of steam generator tube(s) and simultaneous total loss of offsite power	D. Air ejector stack [illegible] alarm and auto start of backup CHG pump and core cooling initiated and 480/4160 low voltage alarm		
EQUIPMENT FAILURE	A. Failure of a reactor coolant system safety or relief valve to close or [illegible] Delta One	A. [illegible] open alarm or indicating lights. Acoustical monitor alarm and/or PRT [illegible] temp.						
	B. Loss of engineering safety features or fire protection system function requiring shutdown by tech. specs. Delta One	B. As determined by tech. specs. limiting condition for operation	B. Loss of equipment needed for cold shutdown	B. Unable to satisfy tech. spec. for systems required for cold shutdown	B. Complete loss of any equipment needed for plant hot shutdown	B. Unable to satisfy tech. spec. for systems required for hot shutdown		
			C. Failure of reactor protection system to initiate and complete a reactor trip	C. More than one control rod [illegible] of core. High or increasing temp., press. or positive start up rate and increasing neutron level	C. Transient requiring operation of shutdown systems with failure to trip	C. Power in intermediate range indicating > 1% power and rod bottom lights not on		
	D. Indications or alarms on process or effluent parameters not functional in CR to an extent requiring plant shutdown or other significant loss of assessment or communication capability Delta One	D. Direct observation	D. Loss of all control room alarms or annunciators	D. Direct observation	D. All alarms (annunciators) lost and significant abnormal transients in progress	D. Direct observation		
			E. Coolant pump seizure leading to fuel failure	E. RCP [illegible] trips on hi current and [illegible] RMS and samples indicate fuel damage				

EMERGENCY ACTION LEVELS

CLASSIFICATION	UNUSUAL EVENT		ALERT		SITE AREA EMERGENCY		GENERAL EMERGENCY	
POSTURE CODE	DELTA-ONE/DELTA-TWO		CHARLIE-ONE		CHARLIE-TWO		BRAVO/ALPHA	
KEY CONDITIONS	INITIATING CONDITION	EMERGENCY ACTION LEVEL	INITIATING CONDITION	EMERGENCY ACTION LEVEL	INITIATING CONDITION	EMERGENCY ACTION LEVEL	INITIATING CONDITION	EMERGENCY ACTION LEVEL
EQUIPMENT FAILURE					E. Actual or estimated releases corresponding to ≥ 50 mrem/hr WB dose rate or ≥ 250 mrem/hr thyroid dose rate at site boundary	E. Stack RMS ≥ [illegible] [illegible]	E. RMS detect levels corresponding to 1 to 5 R WB dose or 5 to 25 R thyroid dose at site boundary BRAVO RMS detect levels corresponding to ≥ 5 R WB dose or ≥ 25 REM thyroid dose at site boundary ALPHA	E. [illegible] [illegible]
SECURITY THREAT	A. Security threat or attempted entry or attempted sabotage Delta One	A. Notification by security of a security threat	A. Ongoing security compromise	A. Notification by security of an ongoing security compromise	A. Imminent loss of physical control of the plant	A. Notification by security of the imminent loss of physical control of the plant	A. Loss of physical control of the facility BRAVO	A. Notification by security
FIRE	A. Fire within the plant lasting more than 10 minutes Delta One	A. Fire alarms or fire pumps start alarms or fire system flow alarms or visual observation	A. Fire potentially affecting safety systems	A. Fire alarms or fire pump start alarms or fire system flow alarms or visual observation	A. Fire compromising the functions of safety systems	A. Indications of actual fire (fire detection panel alarm(s), fire pump running alarm and visual observation		
NATURAL PHENOMENON	A. Natural phenomenon being experienced or projected beyond usual levels Delta One	A. [illegible] wind speeds ≥ 75 mph [illegible]	A. Severe natural phenomena being experienced or projected	A. Direct observation Earthquake ≥ OBE levels Tornado striking facility. Hurricane winds near design basis level	A. Severe natural phenomena being experienced or projected with plant not in cold shutdown	A. Direct observation Earthquake ≥ SSE level Flood, low water, tsunami, hurricane surge, seiche ≥ design level or failure of protection of vital equipment at lower levels		
OTHER HAZARDS	A. Other hazards being experienced which could endanger the facility Delta One	A. Direct observation or notification: • Aircraft crash onsite or unusual activity near facility • Train or onsite explosion • Near or onsite toxic or flammable gas release • Turbine rotating component failure causing rapid plant shutdown	A. Significant hazards being experienced which could affect plant safety	A. Visual observation • Aircraft crash on facility • Missile impacts from whatever source on facility • Explosion damage to facility affecting plant operation • Entry into facility of uncontrolled toxic or flammable gases • Turbine failure causing casing penetration	A. Other hazards being experienced or projected with plant not in cold shutdown	A. Visual observation • Aircraft crash affecting vital structures by impact or fire • Severe damage to safe shutdown equipment from missiles or explosion • Entry of uncontrolled flammable gases into vital areas • Entry of uncontrolled toxic gases into vital areas where lack of access to area constitutes safety problem		

EMERGENCY ACTION LEVELS

CLASSIFICATION	UNUSUAL EVENT		ALERT		SITE AREA EMERGENCY		GENERAL EMERGENCY	
EPLTOPIC CODE	DELTA-ONE/DELTA-TWO		CHARLIE-ONE		CHARLIE-TWO		BRAVO/ALPHA	
KEY CONDITIONS	INITIATING CONDITION	EMERGENCY ACTION LEVEL	INITIATING CONDITION	EMERGENCY ACTION LEVEL	INITIATING CONDITION	EMERGENCY ACTION LEVEL	INITIATING CONDITION	EMERGENCY ACTION LEVEL
OTHER HAZARDS								

DEC 15 1982

PLANT OPERATIONS REVIEW COMMITTEE APPROVAL

Connecticut Yankee
Emergency Plan Implementing Procedure
EPIP 1.5-2

NOTIFICATION AND COMMUNICATION

APPROVED BY STATION SUPERINTENDENT
EFFECTIVE DATE

1.0 PURPOSE

To provide guidance and instructions for Notification and Communication for the following situations:

- o Notify the applicable agencies and personnel during a plant emergency.
- o Activate the Station Emergency Response Organization via the Radiopager System.
- o Establish communication interfaces with Federal and State agencies and local communities.
- o Notify applicable agencies and personnel for reportable conditions that do not require activation of emergency plan.
- o Initiate and maintain required records.

2.0 RESPONSIBILITIES

2.1 The Shift Supervisor and/or Duty Officer shall ensure that this procedure is implemented.

2.2 The Shift Supervisor's Staff Assistant (SSSA) is responsible for carrying out the actions of this procedure.

3.0 ACTIONS

3.1 If an Emergency Action Level (EAL) has not been reached or exceeded, refer to Attachment 6, Reportable Events for required notifications.

NOTE: Refer to Attachment 9 and 10 to determine when a release is reportable.

3.2 General Interest Notification (Connecticut State Incident Posture Code Golf, Fox, or Echo). LEVEL ONE Notification.

NOTE: These incident classification levels do not require activation of the Station Emergency Plan or Response Organization.

3.2.1 Notify duty officer.

NOTE: Notify Unit Superintendent if not the same individual.

3.2.2 Write telephone call-back message on the Incident Report Form (Attachment 1) and record on code-a-phone recorders.

NOTE: Guidelines on completing the Incident Report Form and the operation of the radiopage system are included in EPIP 1.5-33, Shift Supervisor's Staff Assistant.

3.2.3 Place the level selector toggle switch in the LEVEL ONE position, select the appropriate tape which corresponds to the incident in progress and initiate the automatic page by pressing the red ALERT button.

3.2.4 Within 30 minutes of initiating the radiopager message, review call-back recorders excluding the top three code-a-phones to verify that LEVEL ONE personnel have responded. Record on Attachment 2. If the State Department of Environmental Protection (DEP) does not respond in one hour call the 24 hour number at the DEP office (566-3333).

3.2.5 If the radiopager system is inoperable or fails, telephone LEVEL ONE personnel listed in Attachment 5.

3.2.6 Leave telephone call-back recorder information on the code-a-phone recorders for at least one hour after radiopager has been initiated.

3.3 Notification of Unusual Event (Connecticut State Incident Posture Code Delta-One and Delta-Two). LEVEL TWO Notification.

NOTE: These incident classification levels do not require activation of the Station Emergency Plan or Response Organization.

3.3.1 Notify duty officer.

NOTE: Notify Unit Superintendent if not the same individual.

3.3.2 Write telephone call-back message on the Incident Report Form (Attachment 1) and record on code-a-phone recorders.

NOTE: Guidelines on completing the Incident Report Form and the operation of the radiopage system are included in EPIP 1.5-33, Shift Supervisor's Staff Assistant.

3.3.3 Place the level select toggle switch in the LEVEL TWO position, select the appropriate tape which corresponds to the incident in progress and initiate the automatic page by pressing the red ALERT button.

3.3.4 Within 30 minutes of initiating the radiopager message, review call-back recorders excluding the top three code-a-phones to verify LEVEL TWO personnel have responded. Record on Attachment 2.

NOTE: Call-back verification will be conducted on the initial radiopage, change of classification, and when specific instructions direct individuals to call back for further instructions.

3.3.5 Telephone the State Police Barracks in Colchester via the dedicated telephone located on the SSSA consoles within one hour, to provide a backup to the radiopager. Record on Attachment 3.

3.3.6 Make one (1) attempt to notify via commercial telephone, those local communities which have not responded to the LEVEL TWO radiopage. (Attachment 5)

- If the attempt to notify nonresponding local communities via commercial telephone is unsuccessful, request backup assistance from the appropriate State Police Barracks. (Attachment 8)

3.3.7 Notify the NRC within one hour after incident is classified (as required by 10CFR50.72).

- o NRC Headquarters (Bethesda) - Hotline
- o NRC Region One Office - Hotline (during normal business hours ONLY)

NOTE: If the NRC Hotline is inoperable or fails, refer to Attachment 4, Emergency Telephone Numbers for NRC Notification.

3.3.8 If the radiopager system is inoperable or fails, telephone all LEVEL TWO personnel listed in Attachment 5, excluding the local communities.

NOTE: Request assistance from the appropriate State Police Barracks to make telephone calls to the local communities. (Attachment 8)

3.4 Alert, Site Area Emergency, and General Emergency (Connecticut State Incident Posture Code Charlie-one, Charlie-Two, Bravo, and Alpha). LEVEL TWO Notification.

NOTE: These incident classification levels require activation of the Station Emergency Plan and Response Organization.

3.4.1 Notify duty officer.

NOTE: Notify Unit Superintendent if not the same individual.

3.4.2 Write telephone call-back message on the Incident Report Form (Attachment 1) and record on code-a-phone recorders.

NOTE: Guidelines on completing the Incident Report Form and the operation of the radiopage system are included in EPIP 1.5-33, Shift Supervisor's Staff Assistant.

3.4.3 Place the level select toggle switch in the LEVEL TWO position, select the appropriate tape which corresponds to the incident in progress and initiate the automatic page by pressing the red ALERT button.

NOTE: Be prepared to provide updates to LEVEL TWO radiopager personnel every 30 to 60 minutes.

3.4.4 Within 30 minutes of initiating the radiopager message, review the call-back recorders to verify that LEVEL TWO personnel have responded. Record on Attachment 2.

NOTE: Call-back verification will be conducted on the initial radiopage, change of incident classification, and when specific instructions direct individuals to call back for further instructions.

3.4.5 Telephone the State Police Barracks in Colchester via the dedicated telephone located on the SSSAs console, within one hour, to provide a backup to the radiopager. Record on Attachment 3.

3.4.6 Make one (1) attempt to notify via commercial telephone, those local communities which have not responded to the LEVEL TWO radiopage. (Attachment 5)

- o If the attempt to notify nonresponding local communities via commercial telephone is unsuccessful, request backup assistance from the appropriate State Police Barracks. (Attachment 8)

3.4.7 Notify the NRC within one hour after incident is classified (as required by 10CFR50.72).

- o NRC Headquarters (Bethesda) - Hotline
- o NRC Region One Office - Hotline (During normal business hours ONLY)

NOTE: If the NRC Hotline is inoperable or fails, refer to Attachment 4, Emergency Telephone Numbers for NRC Notification.

3.4.8 If the radiopager system is inoperable or fails, telephone all LEVEL TWO personnel listed in Attachment 5, excluding the local communities.

NOTE: Request assistance from the appropriate State Police Barracks to make telephone calls to the local communities, (Attachment 8).

3.5 Notify support agencies for assistance as necessary. (Attachment 7)

4.0 ATTACHMENTS/EXHIBITS

5.0 PROCEDURE CROSS REFERENCE

5.1 EPIP 1.5-33, Shift Supervisor's Staff Assistant.

DEC 15 1982

ATTACHMENT 1
INSTRUCTIONS FOR COMPLETION OF THE
INCIDENT REPORT FORM

1. The Incident Report Form is prepared by the facility operator and put on the code-a-phone system recorders, or if this radiopager code-a-phone call-back system is inoperative use alternate means as specified in EPIP 1.5-33, Shift Supervisor's Staff Assistant.

2. The facility operator sends out radipager messages. Individuals receiving the radiopager message call-in to get more information from the code-a-phone recorder system. They also leave their name, affiliation, and time at the sound of the tone.

3. Individuals calling in to the code-a-phone recorder system should use this form to copy down the information.

4. The preparer of the message (facility operator) should NOT use technical jargon, abbreviations, etc. This person should use general layman language as much as possible.

5. The preparer of the message (facility operator) should say "information not available" and "not applicable" when appropriate.

6. The following is the relationship between the Nuclear Incident Classification Scheme and the State/Local Posture Codes.

Incident Classification	Posture Code
GENERAL INTEREST EVENT	ECHO
UNUSUAL EVENT without radioactive releases	DELTA-ONE
UNUSUAL EVENT with radioactive releases	DELTA-TWO
ALERT	CHARLIE-ONE
SITE AREA EMERGENCY	CHARLIE-TWO
GENERAL EMERGENCY without major breach in containment integrity	BRAVO
GENERAL EMERGENCY with major breach in containment integrity	ALPHA

7. The preparer of the message (facility operator) should use the ALERT incident classification/Posture Code CHARLIE-ONE if it is apparent that the POTENTIAL exists for an event more serious than a UNUSUAL EVENT incident classification/Posture Code DELTA-TWO, but event classification is not yet final. This will enable the utility Emergency Response Organization personnel to begin assembly at the Emergency Operations Facilities in a timely manner while the incident/accident assessment is being done. It will also enable State Agencies and local communities to begin actuation of their Emergency Response Organizations.

ATTACHMENT 1 (Continued)

8. In filling out Item #9 of the Incident Report Form, the affected radius around the site may be increased from that specified in the Incident Classification Scheme. Also, if the need exists for Protective Actions in the downwind sectors beyond the distances prescribed in the Incident Classification Scheme, additional zones will be designated. Zones in three (3) affected sectors will be given; i.e., the downwind section and each adjacent sector. This item will be filled in only for Site Area Emergency and General Emergency Incident Classifications.

EPIP 1.3-2-C
Rev. 11 (MAJOR)

DEC 15 1982

INCIDENT REPORT

(Please Circle Appropriate Item) Report No. _____

1. This is _____ of _____
(name & title of person sending message) (organization)

2. This report concerns an incident at:

Millstone Site Millstone Unit 2 Haddam Neck Plant

Millstone Unit 1 Millstone Unit 3

3. This IS / IS NOT a drill.

4. This is an:

INCIDENT CLASS		POSTURE CODE
RADIOACTIVE MATERIALS INCIDENT	-	GOLF FOX (Circle One)
GENERAL INTEREST EVENT	-	ECHO
UNUSUAL EVENT	-	DELTA-ONE DELTA-TWO (Circle One)
ALERT	-	CHARLIE-ONE
SITE AREA EMERGENCY	-	CHARLIE-TWO
GENERAL EMERGENCY	-	BRAVO; ALPHA (Circle One)

The event occurred on _____ (Date) at _____ (Time) Hours (use military time)

and is being reported on _____ (Date) at _____ (Time) Hours (use military time)

5. The event involves: (Circle One)

NO RELEASE OF RADIOACTIVITY TERMINATED RADIOACTIVE RELEASE

POTENTIAL RADIOACTIVE RELEASE ONGOING RADIOACTIVE RELEASE

6. Details: _____

_____

_____

_____

NOTE: IF CLASSIFICATION IS RADIOACTIVE MATERIALS INCIDENT, GENERAL INTEREST EVENT, UNUSUAL EVENT, OR ALERT, SKIP TO ITEM 10.

7. The wind at the Site is from the _____ into the _____
(Example NNW) (Example SSE)
at _____ MPH.

8. It is expected to remain in this direction for _____ hours.
After this time it is expected to shift and blow from _____
(Example NNW)
into _____ at _____ MPH.
(Example SSE)

9. The affected zones for the incident classification being reported ARE*:

Radius Around Site (Miles)	Affected Zones
_____	_____ thru _____
	_____ thru _____
	_____ thru _____

10. The station status is STABLE / DEGREADING / IMPROVING.

11. Access to the site HAS / HAS NOT been terminated.

12. The following has been requested: POLICE / FIRE / AMBULANCE / NONE / OTHER _____.

13. A further report WILL / WILL NOT be given.

14. Please leave your AFFILIATION (i.e., town/State agency/NU Dept.), NAME and TIME at sound of tone.

ATTACHMENT 2

DEC 15 1992

CALL-BACK VERIFICATION CHECKLIST

LEVEL ONE	TIME	CODE-A-PHONE
CY Duty Officer		
NU Nuclear Operation Duty Officer		
NU Public Affairs Duty Officers		
State Department of Environmental Protection		
Mr. Sillin		
Mr. Ellis		
Mr. Fee		
Mr. Counsil		
Mr. Cagnetta		
Mr. Opeka		
Mr. Dente		
Nuclear Emergency Plan Coordinator		
Manager, Radiological Assessment Branch		
LEVEL TWO State Agencies		
Governors Office		
Office of Civil Preparedness		
State Police at Colchester (Troop K)		
State Police At Hartford		
State Police at Westbrook (Troop F)		

ATTACHMENT 2 (Continued)

CALL-BACK VERIFICATION CHECKLIST

LEVEL TWO LOCAL COMMUNITIES	Time	Code-A-Phone
Chester		
Colchester		
Deep River		
Durham		
East Haddam		
East Hampton		
Essex		
Haddam		
Hebron		
Killingworth		
Lyme		
Madison		
Marlborough		
Middlefield		
Middletown		
Portland		
Salem		
Westbrook		

LEVEL TWO CONNECTICUT YANKEE EMERGENCY RESPONSE ORGANIZATION	ETA
Manager of Communication	
Manager of Radiological Consequence Assessment	
Manager of Onsite Resources	

ATTACHMENT 2 (Continued)

CALL-BACK VERIFICATION CHECKLIST

LEVEL TWO CONNECTICUT YANKEE EMERGENCY RESPONSE ORGANIZATION	ETA
Manager of Radiological Dose Assessment	
Manager of Public Information	
Electrical Maintenance	
Mechanical Maintenance	
I&C Specialist	
HP Technician	
Radiological Monitoring Team	
Radiological Monitoring Team	
Radiological Monitoring Team	
Radiological Monitoring Team	
Radiological Monitoring Team	
Radiological Monitoring Team	

DEC 1 5 1982

ATTACHMENT 3

BACKUP TELEPHONE CALL MESSAGE TO STATE POLICE

(1) THIS IS THE HADDAM NECK NUCLEAR PLANT

(2) A STATE INCIDENT POSTURE CODE DELTA-ONE/DELTA-TWO/CHARLIE-ONE/CHARLIE-TWO/ BRAVO/ALPHA MESSAGE WAS SENT OUT OVER THE RADIOPAGER SYSTEM

(3) TAKE FOLLOW-UP ACTION WITH STATE DEP

_____ _____ _____
Name of Sender Date Time

_____
Name of Receiver (State Police)

Local Communities which have not responded:

_____

_____

_____

_____

_____

_____

_____

_____

ATTACHMENT 4

NRC NOTIFICATION EMERGENCY TELEPHONE NUMBERS

	TELEPHONE SYSTEM	TELEPHONE NUMBER
1.	Emergency Notification System to NRC Operations Center	(Lift Receiver from Cradle)
2.	Commercial Telephone System to NRC Operations Center (via Bethesda Central Office)	202/951-0550
3.	Commercial Telephone System to NRC Operations Center (via Silver Spring Central Office)	301/427-4056
4.	Health Physics Network to NRC Region One Office	*22 (Touch-Tone) 22 (Rotary Dial)
5.	Commercial Telephone System to NRC Operator (via Bethesda Central Office)	301/492-7000

ATTACHMENT 5
NOTIFICATION GUIDE

ORGANIZATION	NOTIFICATION LEVEL	TITLE	NAME	TELEPHONE NUMBERS BUSINESS	TELEPHONE NUMBERS HOME	NOTIFICATION DOCUMENTATION DATE	NOTIFICATION DOCUMENTATION TIME	NOTIFICATION DOCUMENTATION PERSON CONTACTED
Connecticut Yankee: Notify all listed	1 & 2	Station Superintendent	R. H. Graves					
		Unit 1 Superintendent	J. H. Ferguson					
		Services Superintendent	R. Z. Test					
		Security Shift Supv.						
Northeast Utilities: Nuclear Engineering and Operations: Notify one of listed Duty Officers:	1 & 2	Duty Officer	T. Dente					
		Duty Officer	W. Dietz					
		Duty Officer	R. Traggio					
		Duty Officer	M. Bartron					
		Vice President Nuclear Operations	Right Line					

ATTACHMENT 5 (Continued)
NOTIFICATION GUIDE

ORGANIZATION	NOTIFICATION LEVEL	TITLE	NAME	TELEPHONE NUMBERS BUSINESS	TELEPHONE NUMBERS HOME	NOTIFICATION DOCUMENTATION DATE	NOTIFICATION DOCUMENTATION TIME	NOTIFICATION DOCUMENTATION PERSON CONTACTED
Northeast Utilities Nuclear Engineering and Operations	1 & 2	Vice President Nuclear Operation	J. F. Opeka					
		Sr. Vice Pres. Nuclear Eng/Ops	W. G. Counsil					
		Exec. Vice Pres. Eng/Ops	W. F. Fee					
Northeast Utilities System Communication	1 & 2	Duty Officer	A. E. Nericcio					
Notify one of listed		Duty Officer	E. C. Hill					
Duty Officers		Duty Officer	F. A. Winkler					
		Manager System Nuclear Info	R. S. Bromberg					

ATTACHMENT 5 (Continued)
NOTIFICATION GUIDE

ORGANIZATION	NOTIFICATION LEVEL	TITLE	NAME	TELEPHONE NUMBERS BUSINESS	HOME	NOTIFICATION DOCUMENTATION DATE	TIME	PERSON CONTACTED
State Dept. of Environmental Protection	1 & 2	Commissioner	S. Pac		Radio Pager			
		No response to GOLF, FOX, ECHO, radiopage within 1 hour of initiation						
Nuclear Regulatory Commission	2	Region 1 I & E	NA		Use Hot-Line to Bethesda			
		Resident Inspector	T. Rebelowski					
State Police	2	Colchester	Dispatcher					
Northeast Utilities		Manager Ins. & Claims	R. M. Seger					
See Note 1		Insurance analyst	T. J. Connell					
		American Nuclear Insurers (ANI)	N/A		(24 hour number) (24 hour number)			
Local Communities		Chester	First Selectman		(24 hour number)			
		Colchester	First Selectman					
		Deep River	First Selectman					
		Durham	First Selectman					
		East Haddam	First Selectman					
		East Hampton	Chief Administrative Officer		(24 hour number)			
		Essex	First Selectman		(24 hour number)			
		Haddam	Fire Dispatcher					
		Hebron	First Selectman					
		Killingworth	First Selectman		(24 hour number)			
		Lyme	First Selectman					
		Madison	First Selectman		24 hour number)			
		Marlborough	First Selectman					
		Middlefield	First Selectman					
		Middletown	Mayor		(24 hour number)			

Note 1: In the event of an incident involving a fatality or serious injury, contamination or significant damage such as that caused by fire, explosion, lightning or loss of electrical power, make a telephone report of the circumstances to one of the persons listed with one (1) hour. If unable to contact either individual, contact the insurer listed directly.

ATTACHMENT 5 (Continued)
NOTIFICATION GUIDE

ORGANIZATION	NOTIFICATION LEVEL	TITLE	NAME	TELEPHONE NUMBERS BUSINESS	HOME	NOTIFICATION DOCUMENTATION DATE	TIME	PERSON CONTACTED
Local Communities	2	Portland	First Selectman		(24 hour number)			
		Salem	First Selectman		NA			
		Westbrook	First Selectman		(24 hour number)			

ATTACHMENT 6
REPORTABLE EVENTS

	EVENTS	STATE INCIDENT POSTURE CODE	STATE REPORTING REQUIREMENT	NRC REPORTING REQUIREMENT	NOTIFICATION LEVEL	OTHER REPORTING REQUIREMENTS
1	General Emergency	A or B	within 15 minutes	Within 1 hour Hotline	2	
2	Site Area Emergency	C2	Within 15 minutes	Within 1 hour Hotline	2	
3	Alert	C1	Within 15 minutes	Within 1 hour Hotline	2	
4	Unusual Event	D1 D2	Within 15 minutes	Within 1 hour Hotline	2	
5	Any event requiring initiation of the licensee's emergency plan or any section of that plan.	NA	NA	NA	NA	
6	The exceeding of any Technical Specification Safety Limit.	D1	Within a few hours	Within 1 hour Hotline Note 1	2	NOTE 5
7	Any event that results in the nuclear power plant not being in a controlled or expected condition while operating or shut down.	D1	Within a few hours	Within 1 hour Hotline Note 1	2	

NOTE 1 10CFR50.72 item. Report on NRC Hotline. Also during normal working hours telephone regional office (see Attachment 4).

NOTE 5 Notify Vice President, Nuclear Operations and NRB Chairman within 24 hours (Technical Specification 6.7.1.b item).

EPIP 1.5-2-C
Rev. 11 (MAJOR)
DEC 15 1992

	EVENTS	STATE INCIDENT POSTURE CODE	STATE REPORTING REQUIREMENT	NRC REPORTING REQUIREMENT	NOTIFICATION LEVEL	OTHER REPORTING REQUIREMENTS
8	Any act that threatens the safety of the nuclear power plant or site personnel, or the security of special nuclear material, including instances of sabatoge or attempted sabotage.	D1	Within a few hours	Within 1 hour Hotline Note 1	2	
9	Any event requiring initiation of shutdown of the nuclear power plant in accordance with Technical Specification Limiting Conditions for Operation.	E	Within a few hours	Within 1 hour Hotline Note 1	1	
10	Personnel error or procedural inadequacy which, during normal operations, anticipated operational occurrences, or accident conditions, prevents or could prevent, by itself, the fulfillment of the safety function of those structures, systems, and components important to safety that are needed to (i) shut down the reactor safely and maintain it in a safe shutdown condition, or (ii) remove residual heat following reactor shutdown, or (iii) limit the release of radioactive material to acceptable levels or reduce the potential for such release.	E	Within a few hours	Within 1 hour Hotline Note 1	1	

Note 1 10CFR50.72 item. Report on NRC Hotline. Also during normal working hours telephone reg'onal office (see Attachment 4).

	EVENTS	STATE INCIDENT POSTURE CODE	STATE REPORTING REQUIREMENT	NRC REPORTING REQUIREMENT	NOTIFICATION LEVEL	OTHER REPORTING REQUIREMENTS
11	Any event resulting in manual or automatic actuation of Engineered Safety Features, including the Reactor Protection System.	D1	Within a few hours	Within 1 hour Hotline Note 1	2	
12	Any accidental, unplanned, or uncontrolled radioactive release. (Normal or expected releases from maintenance or other operational activities are not included.)	D2	Within 15 minutes	Within 1 hour Hotline Note 1	2	
13	Any fatality or serious injury occurring on the site and requiring transport to an offsite medical facility for treatment.	E	Within a few hours	Within 1 hour Hotline Note 1	1	NOTE 6
14	Any serious personnel radioactive contamination requiring extensive onsite decontamination or outside assistance.	D1	Within a few hours	Within 1 hour Hotline Note 1	2	NOTE 6
15	Any event meeting the criteria of 10 CFR 20.403 for notification.	D2	Within a few hours	Within 1 hour Hotline Note 1	2	NOTE 6

Note 1 10CFR50.72 item. Report on NRC Hotline. Also during normal working hours telephone regional office (see Attachment 4).

Note 6 In the event of an incident involving a fatality or serious injury, contamination or significant damage such as that caused by fire, explosion, lightning or loss of electrical power, make a telephone report of the circumstances to one of the individuals listed in Attachment 5 in the NU Claims and Insurance section within one (1) hour.

	EVENTS	STATE INCIDENT POSTURE CODE	STATE REPORTING REQUIREMENT	NRC REPORTING REQUIREMENT	NOTIFICATION LEVEL	OTHER REPORTING REQUIREMENTS
16	Strikes of operating employees or security guards, or honoring of picket lines by these employees.	E	Within a few hours	Within 1 hour Hotline Note 1	1	
17	Event of significant public interest but of no public hazard. No radioactive release. Includes but is not limited to: a. Any unscheduled shutdown estimated to last more than 48 hours. (State) b. Any scheduled shutdown for testing, maintenance, or refueling expected to last more than 72 hours. (State) c. Derating caused by Regulatory Action. (State) d. Derating greater than 50% caused by equipment malfunction lasting more than 72 hours. (State)	E	Within a few hours		1	

Note 1 10CFR50.72 item. Report on NRC Hotline. Also during normal working hours telephone regional office (see Attachment 4).

EVENTS	STATE INCIDENT POSTURE CODE	STATE REPORTING REQUIREMENT	NRC REPORTING REQUIREMENT	NOTIFICATION LEVEL	OTHER REPORTING REQUIREMENTS
e. Loss or damage to major system components. (NUSCO)	E (Cont'd)	Within a few hours	N/A	1	NOTE 6
f. Fish kill, unusual fish entrapments, or unusual environmental situation. (NUSCO)					
g. Oil spill or other contaminants into river water. (State)		Note 3			NOTE 6
h. Incident that required police assistance. (State)					
i. Incident that requires fire department assistance for fire lasting LESS than 10 minutes. (State)					NOTE 6

Note 3 Requires a telephone call to the Coast Guard, National Response Center and Spill Response Center of Connecticut State DEP, within one hour of occurring. (Refer to Assistance Guide for telephone numbers.)

Note 6 In the event of an incident involving a fatality or serious injury, contamination or significant damage such as that caused by fire, explosion, lightning or loss of electrical power, make a telephone report of the circumstances to one of the individuals listed in Attachmen 5 in the NU Claims and Insurance section within one (1) hour.

	EVENTS	STATE INCIDENT POSTURE CODE	STATE REPORTING REQUIREMENT	NRC REPORTING REQUIREMENT	NOTIFICATION LEVEL	OTHER REPORTING REQUIREMENTS
18	Reports of theft or loss of radioactive material in accordance with 10 CFR 20.402 (Ref. 10 CFR 30.71)	F	Within a few hours	Within hours	1	
19	Radioactive material transport accident taking place in Connecticut	G	Within a few hours	N/A	1	NOTE 6
20	Reports of overexposure and excessive levels and concentrations in accordance with 10 CFR 20.403 and 10 CFR 20.405.	E	Within a few hours	30 Days	1	NOTE 6
21	All Section 6.9.2-a Safety Technical Specification Reports	E	Within a few hours	24 Hours	1	
22	All Section 6.9.2-b Safety Technical Specification Reports	N/A	N/A	30 Day Note 2	N/A	
23	All Section 5.6.2-a(1) Environmental Technical Specification Reports	E	Within a few hours	24 Hours	1	
24	All Section 5.6-2-a(2) Environmental Technical Specification Reports	N/A	N/A	30 Day Note 2	N/A	

Note 2 Requires a telephone call by the Duty Officer to the NUSCO Nuclear Operations Duty Officer preferably the day of occurrence but no later than the morning of the next working day.

Note 6 In the event of an incident involving a fatality or serious injury, contamination or significant damage such as that caused by fire, explosion, lightning or loss of electrical power, make a telephone report of the circumstances to one of the individuals listed in Attachment 5 in the NU Claims and Insurance section within one (1) hour.

	EVENTS	STATE INCIDENT POSTURE CODE	STATE REPORTING REQUIREMENT	NRC REPORTING REQUIREMENT	NOTIFICATION LEVEL	OTHER REPORTING REQUIREMENTS
25	All Section 5.6.2-b(1) Environmental Technical Specification Reports	N/A	N/A	10 Day Note 2	N/A	
26	All Section 5.6.2-b(2) Environmental Technical Specification Reports	N/A	N/A	30 Day Note 2	N/A	
27	All Section 5.6.2-c Environmental Technical Specification Reports	N/A	N/A	30 Day Note 2	N/A	
28	Any unexpected or unanticipated service water system leaks within containment IEB 80-11-21-80	E	Within a few hours	24 Hours	1	
29	Serious Security Loss. Refer to SEC 1.3-32 for reporting requirements.	E	Within a few hours	Within 1 hour Hotline Note 1	1	

Note 1 10CFR50.72 item. Report on NRC Hotline. Also during normal working hours telephone regional office (see Attachment 4).

Note 2 Requires a telephone call by the Duty Officer to the NUSCO Nuclear Operations Duty Officer preferably the day of occurrence but no later than the morning of the next working day.

ATTACHMENT 6 (Continued)
REPORTABLE EVENTS

EVENTS	STATE INCIDENT POSTURE CODE	STATE REPORTING REQUIREMENT	NRC REPORTING REQUIREMENT	NOTIFICATION LEVEL	OTHER REPORTING REQUIREMENTS
30. Serious damage to plant equipment or facilities.	N/A	N/A	Note 4	N/A	
31. Load decrease greater than 25% or anticipated removal of unit from service within next 24 hours.	N/A	N/A	Note 4	N/A	

NOTE 4 Requires a telephone call by the Duty Officer to the NUSCO Nuclear Operations Duty Officer within one hour of determination.

ATTACHMENT 8

CONNECTICUT STATE POLICE (CSP) CONTACT POINTS

HADDAM NECK

Colchester CSP Barracks (Troop K)
Via Hot Line

Colchester
East Haddam
East Hampton
Hebron
Marlborough
Portland
Salem

Westbrook CSP Barracks (Troop F)
Via Telephone: 399-6221

Chester
Deep River
Durham
Essex
Haddam
Killingworth
Lyme
Madison
Middlefield
Middletown
Westbrook

NOTE: This list is to be used AFTER station attempt to contact local communities by telephone.

ATTACHMENT 7
ASSISTANCE GUIDE

AGENCY	TITLE	NAME	TELEPHONE NUMBERS BUSINESS	TELEPHONE NUMBERS HOME	NOTIFICATION DOCUMENTATION DATE	TIME	PERSON CONTACTED
State Police	Colchester	Dispatcher					
Fire Department	Haddam Neck	Dispatcher					
Ambulance	East Hampton	Dispatcher					
Hospital	Middlesex Memorial		(if contaminated)				
			(not contaminated)				
	Lawrence Memorial						
Doctor	Medical Consultant	Dr. H. Levine					
Radiation Management Corp	President	Dr. R. Linnemann					
Coast Guard	Captain of the Port	Lieutenant Commander M. A. Conway					
State Office of Civil Preparedness	Duty Officer						
National Resource Center	Duty Officer						

ATTACHMENT 7 (Continued)
ASSISTANCE GUIDE

AGENCY	TITLE	NAME	TELEPHONE NUMBERS BUSINESS	HOME	NOTIFICATION DOCUMENTATION DATE	TIME	PERSON CONTACTED
Spill Response Center of Connecticut	Duty Officer						
State Department of Environmental Protection	Duty Officer						
Brookhaven National Laboratory	Chief Engineer Operations	D. Schnelley					
Combustion Engineering		R. Hoover					
General Dynamics (Electric Boat)	Director Rad Control (normal weekday) Rad Control Foreman (off hours, weekends) Security Officer						
United Nuclear Corporation	Manager Nuclear/Safety	W.F. Kirk					
Millstone Station	Unit 1	Shift Supervisor					
	Unit 2	Shift Supervisor					
INPO	Duty Officer						
		Emergency Telecopier					

ATTACHMENT 7 (Continued)
ASSISTANCE GUIDE

AGENCY	TITLE	NAME	TELEPHONE NUMBERS BUSINESS	HOME	NOTIFICATION DOCUMENTATION DATE	TIME	PERSON CONTACTED
Westinghouse	Field Service Manager	George Dillon					
	1st Alternate	Steve Swigart					
	2nd Alternate	Ron VonOsinski					
	Service Response Manager	Bob Stokes					
	1st Alternate	John Miller					
	2nd Alternate	Dave Campbell					

ATTACHMENT 7 (Continued)
ASSISTANCE GUIDE

AGENCY	TITLE	NAME	TELEPHONE NUMBERS BUSINESS	HOME	NOTIFICATION DOCUMENTATION DATE	TIME	PERSON CONTACTED
Westinghouse (Continued)	Emergency Response Director	Tom Anderson					
	Emergency Response Deputy Director	Ron Lehr					
	Emergency News Communications	Mike Mangan					
Shipman Fire Equipment	General Manager	E. Wallace					
AMTRACK	General Superintendent	R. Duggan					
Dattco, Inc.	President	L. A. DeVivo					

ATTACHMENT 7 (Continued)
ASSISTANCE GUIDE

AGENCY	TITLE	NAME	TELEPHONE NUMBERS BUSINESS	HOME	NOTIFICATION DOCUMENTATION DATE	TIME	PERSON CONTACTED
Beebe Transportation	General Manager	M. O'Leary					
Nichols Bus	President	C. Nichols					
Interex Corporation		D. Newton R. Fix					
Teledyne Isotopes		A. Hayter J. D. Martin H. Jeter					
Travelers Weather Service							

Attachment 9

Reportable Releases

The following releases are reportable:

1. Any release, liquid or gaseous, exceeding technical specifications.

2. Any release from a release path which does not have an established monitor or sampling program and a grab sample indicates that release concentrations exceeded:

   1×10^{-7} uCi/ml for liquids or,

   1×10^{-10} uCi/cc for airborne particulates or iodine or,

   2×10^{-8} uCi/cc for airborne noble gases.

3. Any increase in noble gas release rates which is greater than 1500 uCi/sec above the normal (existing) release rate and this increase is not due to a planned or expected event.

   Note 1: It is recognized that what constitutes a "planned or expected event" is still ambiguous at this time. However, the following philosophy should be used:

   i) If the increased release rate is less than 1500 uCi/sec above normal it is not reportable even if the cause of the increase is unknown or unplanned.

   ii) If the increase is greater than 1500 uCi/sec, but is due to a planned activity which is known to be the cause (e.g. - Increasing power level, releasing a waste gas tank, purging the containment, etc.) then the release is not reportable provided it remains below the technical specification limits.

   iii) If the increase is greater than 1500 uCi/sec, and the cause was unplanned (e.g. - Lifting of a relief valve, error in valve line-up, etc.) or the cause is still unknown, then the release should be reported.

   Note 2: The stack monitor reading in CPM which corresponds to the normal reading plus 1500 uCi/sec depends on the normal reading at that time, the latest monitor calibration factor, and the number of ventilation fans operating. Since these parameters are subject to change, so is the corresponding monitor reading. Thus, it should be required that a member of the Chemistry Department determine the appropriate reading and post it for the operator's use. This should be done at least weekly and after any significant change in power level or a new monitor calibration curve developed.

Attachment 9 (Continued)

Reportable Releases

Example - MP2 stack monitor

Normal reading has been running at 25 CPM
Present monitor calibration factor = 6.2 uCi/sec per CPM (assuming 2 fan operation)
Thus, 1500 uCi/sec = 240 CPM
Thus, monitor reading corresponding to reportable level = 240 CPM + 25 CPM = 265 CPM
This value and the monitor calibration factor should be posted for the operator's use. Also, the alarm set point should be set at or below 265 CPM.

Attachment 10

DEC 15 1992

Bases for Reportable Releases

Criteria 1 - Exceeding technical specification limits

This criteria is clear. Any release, whether due to a planned or unplanned event or activity, must be reported if the technical specification limits were exceeded.

Criteria 2 - Unmonitored Releases

i) Established Monitor -

Any release from a path which has a fixed monitor (e.g. - stack, MP1 isolation condenser vent, steam generator blowdown line, etc.) would not be reportable due to the unmonitored release criteria. If the monitor was inoperable, but grab samples were being taken in accordance with the action statements in the technical specifications, then likewise any releases would not be reportable.

ii) Established Sampling Program -

There are certain paths which do not have a fixed monitor but have an established sampling program where grab samples are obtained on a fixed schedule. The main reason these pathways are not monitored is because the potential release rates are less than the lower limit of detection for gross monitors. Since grab samples are more sensitive, they are used to detect and hence account for any low level releases from these pathways. For example, any releases detected coming from the MP1 Condensate Storage Tank vent would not be reportable since there exists an established sampling program to measure the level of gases in the tank and account for the activity released.

iii) Release Concentrations - 1×10^{-7} uCi/ml, etc.

There are numerous release paths of trivial amounts of plant related radioactivity at our sites which are not monitored or sampled. Some examples of these are PWR turbine building exhaust, opening a door from the outside to get into the PAB, opening a contaminated laundry drum outside, etc. If samples were taken from some of these pathways and

Attachment 10 (Continued)

Bases for Reportable Releases

counted at low background laboratory, plant related activity could be detected. This is a recognized fact. It is also recognized that the total contribution from these pathways is trivial and insignificant compared to the releases from the monitored release paths. Hence, these releases do not have monitoring or sampling requirements.

There is a potential for releases of non-trivial levels of radioactivity from unmonitored paths. This would most likely be due to an accident, equipment failure or human error (e.g. - a leak develops in a tank trunk being used to trasnfer liquid wastes onsite).

Criteria are, therefore, required to determine which unmonitored releases are trivial and do not require reporting and which are non-trivial and should be reported.

The concentrations listed in Attachment 1 represent the dividing line. The concentrations given are the most limiting value from either 10CFR20 - Appendix B - Table II (maximum Permissible Concentrations in Air and Water Outside the Site Boundary) or 10CFR30.70 Schedule A (Exempt Concentrations in Gas and Liquids.)

Criteria 3 - Unplanned Releases

The routine operation of a nuclear power plant results in numerous increases and decreases in gaseous release rates. Valve packing and pump seals may leak at various rates, startup or shutdown of a system may result in brief puff releases due to pressure transients, opening up a system for maintenance will release trapped gases, etc. Most of these changes are so small that they cannot be detected on the stack monitor. Some of them may cause slight increases in the monitor response. Any release of significant levels will cause a significant increase in the monitor response.

It is not feasible for an operator to explain every minor increase in the stack monitor reading due to the wide range of trivial events which could result in this increase. In addition, it does not make sense to report all such increases as it would lead to a large volume of reports which serve no purpose but to prove that the routine operation of a nuclear plant results in numerous increases and decreases in gaseous release rates.

Attachment 10 (Continued)

Bases for Reportable Releases

It is therefore necessary to define the difference between these minor increases and a significant increase. If the release is significant, then it should either be due to a planned or expected event or it should be reported. In order to avoid differences in interpretations, the dividing line between minor increases and significant increases should be as specific as possible. The only practical way to do this is to define it as a specific release rate. This release rate was determined to be 1500 uCi/sec.

The value 1500 uCi/sec was chosen based on the following facts:

1. The limiting noble gas concentration from 10CFR20 - Appendix B - Table II for offsite noble gas concentrations is 2×10^{-8} uCi/sec for kr-88. The maximum annual average X/Q from either the CY stack, MP1 stack or MP2 stack at the critical site boundary is 1.3×10^{-5} sec/M^3. Assuming this X/Q, the required release rate to get 2×10^{-8} uCi/cc is:

   2×10^{-8} uCi/cc/(1.3×10^{-5} sec/m^3 . 10^{-6} m^3/cc) = 1540 uCi/sec

   Thus, for the most limiting nuclide, the most limiting release point, and the most limiting site boundary, a release rate of 1500 uCi/sec will result in concentrations less than allowed by 10CFR20.

2. For the same limiting site boundary and CY stack release point, the expected 1 hour dose from a release rate of 1500 uCi/sec should be in the range of 0.001 - 0.003 mrem which is less than the expected hourly background dose of 0.005 to 0.01 MREM.

3. The noble gas concentration in CY primary coolant is approximately 2 uCi/ml. Thus, a leakage rate of 750 ml/sec would result in a release of 1500 uCi/sec into building air and eventually to the stack. 750 ml/sec is equal to 11 gallons per minute which is not untypical of potential leakage rates from leaking valves or pumps.

4. The present background reading on the CY stack monitor is 500 cpm. The present calibration factor is about 3 uCi/sec per cpm. Therefore, 1500 uCi/sec = 500 cpm which is a practical level to detect above the present reading.

EPIP 1.5-3-C
Revision 4 (MAJOR)
DEC 15 1982

PLANT OPERATIONS REVIEW COMMITTEE APPROVAL

Connecticut Yankee

Emergency Plan Implementing Procedure
EPIP 1.5-3

NOTIFICATION OF UNUSUAL EVENT

APPROVED BY STATION SUPERINTENDENT

EFFECTIVE DATE 12-15-82

1.0 PURPOSE

To provide guidelines for actions to be initiated for an Unusual Event incident.

2.0 RESPONSIBILITY

The Shift Supervisor/Duty Officer shall be responsible for implementing this procedure.

3.0 ACTIONS

3.1 When plant conditions and indications have resulted in the declaration of an Unusual Event incident, the Shift Supervisor shall ensure the following:

3.1.1 Sound Station Annunciation Alarm and announce over the public address system that an Unusual Event incident has occurred, give a brief description of the incident.

3.1.2 Select the appropriate corresponding Connecticut State Incident Posture Code for NRC classification level from EPIP 1.5-1, Emergency Assessment.

3.1.3 Ensure that the Shift Supervisor's Staff Assistant (SSSA) implements EPIP 1.5-2, Notification and Communication and EPIP 1.5-33, Shift Supervisor's Staff Assistant.

3.1.4 Request the Duty Officer and Shift Technical Advisor provide technical assistance in the control room.

3.1.5 Deploy as necessary the On-Shift Health Physics Technician and On-Shift Chemistry Technician to obtain initial plant surveys and samples.

3.1.6 Continuously assess plant parameters and implement Emergency Operating Procedures/Abnormal Operating Procedures as appropriate. Initiate corrective actions based upon the assessment of plant conditions.

3.2 The Duty Officer shall ensure the following:

3.2.1 All actions described in paragraph 3.1 have been completed.

NOTE: The Shift Supervisor shall perform the following tasks until the Duty Officer arrives in the control room. The Duty Officer is responsible for classifying/reclassifying the incident and providing protective action recommendations offsite. This transfer of responsibility shall be verbal, clear and direct.

3.2.2 Reclassify the incident as warranted by plant conditions.

- o EPIP 1.5-4, Alert
- o EPIP 1.5-5, Site Area Emergency
- o EPIP 1.5-6, General Emergency

3.2.3 Reclassify or terminate the incident based upon the stabilization of plant conditions.

3.2.4 Closeout the Unusual Event incident with a verbal summary report to offsite agencies.

3.2.5 Provide a written summary report to offsite agencies by the end of the next working day.

4.0 ATTACHMENTS

None.

5.0 PROCEDURE CROSS REFERENCE

5.1 EPIP 1.5-1, Emergency Assessment.

5.2 EPIP 1.5-2, Notification and Communication.

5.3 EPIP 1.5-4, Alert

5.4 EPIP 1.5-5, Site Area Emergency.

5.5 EPIP 1.5-6, General Emergency.

5.6 EPIP 1.5-33, Shift Supervisor's Staff Assistant.

PLANT OPERATIONS REVIEW COMMITTEE APPROVAL

APPROVED BY STATION SUPERINTENDENT

EFFECTIVE DATE 12-15-82

Connecticut Yankee

Emergency Plan Implementing Procedure
EPIP 1.5-4

ALERT

1.0 PURPOSE

To provide guidelines for actions to be initiated for an Alert incident.

2.0 RESPONSIBILITY

The Shift Supervisor/Director of Station Emergency Operations (Director of SEO) shall be responsible for implementing this procedure.

3.0 ACTIONS

3.1 When plant conditions and indications result in the declaration of an Alert incident, the Shift Supervisor/Manager of Control Room Operations shall ensure the following actions are initiated:

3.1.1 Sound Station Annunciation Alarm and announce over the public address system that an Alert incident has occurred, give a brief description of the incident.

3.1.2 Sound Station Evacuation Alarm.

3.1.3 Implement EPIP 1.5-14, Evacuation and Assembly.

3.1.4 Select the appropriate corresponding Connecticut State Incident Posture Code for the NRC classification level from EPIP 1.5-1, Emergency Assessment.

3.1.5 Ensure that the Shift Supervisor's Staff Assistant (SSSA) implements EPIP 1.5-2, Notification and Communication and EPIP 1.5-33, Shift Supervisor's Staff Assistant.

3.1.6 Deploy the On-Shift Health Physics Technician and On-Shift Chemistry Technician to obtain initial/follow-up plant surveys and samples. Implement EPIP 1.5-31, On-Shift Health Physics Technician and EPIP 1.5-30, On-Shift Chemistry Technician as necessary.

NOTE: When the Emergency Operations Center (EOC) is activated, the On-Shift Health Physics Technician and the On-Shift Chemistry Technician will report via radio (Channel 4) to the Manager of Radiological Consequence Assessment for additional assignments.

3.1.7 Continuously assess plant parameters and implement Emergency Operating Procedures/Abnormal Operating Procedures as appropriate. Initiate corrective actions based upon the assessment of plant conditions.

3.1.8 Provide the Director of SEO with information and recommendations concerning mitigation of the incident/accident.

3.2 The Director of SEO shall ensure the following:

3.2.1 All actions described in paragraph 3.1 have been completed.

NOTE: The Shift Supervisor shall perform the following tasks until the Duty Officer assumes the position of Director of SEO at the EOC. The Director of SEO is responsible for classifying/reclassifying the incident and providing protective action recommendations offsite. The transfer of responsibility shall be verbal, clear and direct.

3.2.2 Implement EPIP 1.5-13, Personnel Accountability.

3.2.3 Reclassify the incident as warranted by plant conditions.

- o EPIP 1.5-3, Unusual Event
- o EPIP 1.5-5, Site Area Emergency
- o EPIP 1.5-6, General Emergency

3.2.4 Reclassify or terminate the emergency incident classification based upon the stabilization of plant conditions.

3.2.5 Closeout the Alert incident with a verbal summary report to offsite agencies.

3.2.6 Provide a written summary report to offsite agencies by the end of the next working day following the closeout or reclassification of the incident.

3.3 The Manager of Radiological Consequence Assessment shall assess the need to conduct radiological surveys in the Emergency Operations Facility (EOF) and onsite. Implement EPIP 1.5-8, EOF Emergency Radiological Surveys and EPIP 1.5-9, Onsite Emergency Radiological Surveys as necessary.

3.4 The Emergency Response Organization shall perform the functions and actions as specified in their emergency procedures.

4.0 ATTACHMENTS

None.

5.0 PROCEDURE CROSS REFERENCE

5.1 EPIP 1.5-1, Emergency Assessment.

5.2 EPIP 1.5-2, Notification and Communication.

5.3 EPIP 1.5-3, Notification of Unusual Event.

5.4 EPIP 1.5-5, Site Area Emergency.

5.5 EPIP 1.5-6, General Emergency.

5.6 EPIP 1.5-8, EOF Emergency Radiological Surveys.

5.7 EPIP 1.5-9, Onsite Emergency Radiological Surveys.

5.8 EPIP 1.5-13, Personnel Accountability.

5.9 EPIP 1.5-14, Evacuation and Assembly.

5.10 EPIP 1.5-19 Activation of the EOF.

5.11 EPIP 1.5-21, Director of Station Emergency Operations.

5.12 EPIP 1.5-22, Manager of Radiological Consequence Assessment.

DEC 15 1992

5.13 EPIP 1.5-23, Manager of Security.

5.14 EPIP 1.5-24, Manager of Communications.

5.15 EPIP 1.5-25, Manager of Public Information.

5.16 EPIP 1.5-26, Manager of Control Room Operations.

5.17 EPIP 1.5-27, Manager of Onsite Resources.

5.18 EPIP 1.5-28, Manager of Technical Support.

5.19 EPIP 1.5-30, On-Shift Chemistry Technician.

5.20 EPIP 1.5-31, On-Shift Health Physics Technician.

5.21 EPIP 1.5-33, Shift Supervisor's Staff Assistant.

5.22 EPIP 1.5-37, Manager of Radiological Dose Assessment.

DEC 15 1982

PLANT OPERATIONS REVIEW COMMITTEE APPROVAL

Connecticut Yankee
Emergency Plan Implement Procedure
EPIP 1.5-5

SITE AREA EMERGENCY

APPROVED BY STATION SUPERINTENDENT
EFFECTIVE DATE 12-15-82

1.0 PURPOSE

To provide guidelines for action to be initiated for a Site Area Emergency incident.

2.0 RESPONSIBILITY

The Shift Supervisor/Director of Station Emergency Operations (Director of SEO) shall be responsible for implementing this procedure.

3.0 ACTIONS

3.1 When plant conditions and indications result in the declaration of a Site Area Emergency incident, the Shift Supervisor/Manager of Control Room Operations shall ensure the following actions are initiated.

3.1.1 Sound Station Annunciation Alarm and announce over the public address system that a Site Area Emergency incident has occurred, giving a brief description of the incident.

3.1.2 Sound Station Evacuation Alarm.

3.1.3 Implement EPIP 1.5-14, Evacuation and Assembly.

3.1.4 Select the appropriate corresponding Connecticut State Incident Posture Code for the NRC classification level from EPIP 1.5-1, Emergency Assessment.

3.1.5 Ensure that the Shift Supervisor's Staff Assistant (SSSA) implements EPIP 1.5-2, Notification and Communication and EPIP 1.5-33, Shift Supervisor's Assistant.

3.1.6 Deploy the On-Shift Health Physics Technician and On-Shift Chemistry Technician to obtain initial follow-up plant surveys and samples. Implement EPIP 1.5-31, On-Shift Health Physics Technician and EPIP 1.5-30, On-Shift Chemistry Technician as necessary.

NOTE: When the Emergency Operations Center (EOC) is activated, the On-Shift Health Physics Technician and On-Shift Chemistry Technician will report via radio (Channel 4) to the Manager of Radiological Consequence Assessment for additional assignments.

3.1.7 Continuously assess plant parameters and implement Emergency Operating Procedures/Abnormal Operating Procedures as appropriate. Initiate corrective actions based upon the assessment of plant conditions.

3.1.8 Provide the Director of SEO with information and recommendations concerning mitigation of the incident.

3.2 The Director of SEO shall ensure the following:

3.2.1 All actions described in paragraph 3.1 have been completed.

NOTE: The Shift Supervisor shall perform the following tasks until the Duty Officer assumes the position of Director of SEO at the EOC. The Director of SEO is responsible for classifying/reclassifying the incident and providing protective action recommendations offsite. The transfer of responsibility shall be verbal, clear and direct.

3.2.2 Implement EPIP 1.5-13, Personnel Accountability.

3.2.3 Provide release and dose projections based on available plant condition information. Implement EPIP 1.5-7, Radiological Dose Assessment.

3.2.4 Reclassify the incident as warranted by plant conditions.

- EPIP 1.5-3, Unusual Event
- EPIP 1.5-4, Alert
- EPIP 1.5-6, General Emergency

3.2.5 Reclassify or terminate the emergency incident classification based upon the stabilization of plant conditions.

3.2.6 Closeout the Site Area Emergency incident with a verbal summary report to offsite agencies.

3.2.7 Provide a written summary report to offsite agencies by the end of the next working day following the closeout or reclassification of the incident.

3.3 The Manager of Radiological Consequence Assessment shall ensure the following:

- o Radiological Monitoring Teams (RMTs) are deployed for radiological surveys at the Emergency Operations Facility (EOF). Implement EPIP 1.5-8, EOF Emergency Radiological Surveys.
- o RMTs are deployed to conduct onsite surveys. Implement EPIP 1.5-9, Onsite Emergency Radiological Surveys.

3.4 The Manager of Radiological Dose Assessment shall ensure the following:

- o RMTs are deployed to conduct offsite radiological surveys. Implement EPIP 1.5-10, Offsite Emergency Radiological Surveys.
- o Perform dose calculations for offsite radiological assessment until the Corporate Emergency Response Organization has been activated and assumes responsibility for the offsite dose calculations and RMT deployment.

3.5 The Emergency Response Organization shall perform functions and actions as specified in their emergency procedures.

4.0 ATTACHMENTS/EXHIBITS

None

5.0 PROCEDURE CROSS REFERENCE

5.1 EPIP 1.5-1, Emergency Assessment.

5.2 EPIP 1.5-2, Notification and Communication.

5.3 EPIP 1.5-3, Notification of Unusual Event.

5.4 EPIP 1.5-4, Alert.

5.5 EPIP 1.5-5, Site Area Emergency.

5.6 EPIP 1.5-7, Radiological Dose Assessment.

5.7 EPIP 1.5-8, EOF Emergency Radiological Surveys.

5.8 EPIP 1.5-9, Onsite Emergency Radiological Surveys.

5.9 EPIP 1.5-10, Offsite Emergency Radiological Surveys.

5.10 EPIP 1.5-13, Personnel Accountability.

5.11 EPIP 1.5-14, Evacuation and Assembly.

5.12 EPIP 1.5-19, Activation of the EOF.

5.13 EPIP 1.5-21, Director of Station Emergency Operations.

5.14 EPIP 1.5-23, Manager of Security.

5.15 EPIP 1.5-24, Manager of Communication.

5.16 EPIP 1.5-25, Manager of Public Information.

5.17 EPIP 1.5-26, Manager of Control Room Operations.

5.18 EPIP 1.5-27, Manager of Onsite Resources.

5.19 EPIP 1.5-28, Manager of Technical Support.

5.20 EPIP 1.5-30, On-Shift Chemistry Technician.

5.21 EPIP 1.5-31, On-Shift Health Physics Technician.

5.22 EPIP 1.5-33, Shift Supervisor's Staff Assistant.

5.23 EPIP 1.5-37, Manager of Radiological Dose Assessment.

EPIP 1.5-6-C
Rev. 4 (MAJOR)

DEC 15 1982

PLANT OPERATIONS REVIEW COMMITTEE APPROVAL

Michael B. Sinn

Connecticut Yankee
Emergency Plan Implementing
Procedure EPIP 1.5-6

GENERAL EMERGENCY

APPROVED BY STATION SUPERINTENDENT

EFFECTIVE DATE 12-15-82

1.0 PURPOSE

To provide guidelines for action to be taken for a General Emergency incident.

2.0 RESPONSIBILITY

The Shift Supervisor/Director of Station Emergency Operations (Director of SEO) shall be responsible for implementing this procedure.

3.0 ACTIONS

3.1 When plant conditions and indications result in the declaration of a General Emergency incident the Shift Supervisor/Manager of Control Room Operations shall ensure the following actions are initiated:

3.1.1 Sound Station Annunication Alarm and announce over the public address system that a General Emergency has occurred, give a brief description of the incident.

3.1.2 Sound Station Evacuation Alarm.

3.1.3 Implement EPIP 1.5-14, Evacuation and Assembly.

3.1.4 Select the appropriate corresponding Connecticut State Incident Posture Code for the NRC classification level from EPIP 1.5-1, Emergency Assessment.

3.1.5 Ensure that the Shift Supervisor's Staff Assistant (SSSA) implements EPIP 1.5-2, Notification and Communication and EPIP 1.5-33, Shift Supervisor's Staff Assistant.

3.1.6 Deploy the On-Shift Health Physics Technician and Chemistry Technician to obtain follow-up surveys and samples. Implement EPIP 1.5-31, On-Shift Health Physics Technician and EPIP 1.5-30, On-Shift Chemistry Technician as necessary.

NOTE: When the EOC is activated, the On-Shift Health Physics Technician and the On-Shift Chemistry Technician will report via radio (channel 4) to the Manager of Radiological Consequences Assessment for additional assignments.

3.1.7 Continuously assess plant parameters and implement appropriate Emergency Operating Procedures/Abnormal Operating Procedures. Initiate corrective actions based upon the assessment of plant conditions.

3.1.8 Provide the Director of SEO with information and recommendations concerning mitigation of the incident.

3.2 The Director of SEO shall ensure the following:

3.2.1 All actions described in paragraph 3.1 have been completed.

NOTE: The Shift Supervisor shall perform the following tasks until the Duty Officer assumes the position of Director of SEO at the Emergency Operations Center (EOC).

The Director of SEO is responsible for classifying/reclassifying the incident and providing protective action recommendations offsite. The transfer of responsibility shall be verbal, clear and direct.

3.2.2 Implement EPIP 1.5-13, Personnel Accountability.

3.2.3 Provide periodic meteriological data, release and dose projections based on available plant condition information. Implement EPIP 1.5-7, Radiological Dose Assessment.

3.2.4 Reclassify the incident as warranted by plant conditions.

- o EPIP 1.5-3, Unusual Event
- o EPIP 1.5-4, Alert
- o EPIP 1.5-5, Site Area Emergency

3.2.5 Reclassify or terminate the emergency incident classification based upon the stabilization of plant conditions.

3.2.6 Closeout the General Emergency incident with a verbal summary report to offsite agencies.

3.2.7 Provide a written summary report to offsite agencies by the end of the next working day following the closeout or reclassification of the incident.

3.3 The Manager of Radiological Consequence Assessment shall ensure the following:

- o Radiological Monitoring Teams (RMTs) are deployed for radiological surveys at the Emergency Operations Facility (EOF). Implement EPIP 1.5-8, EOF Emergency Radiological Surveys.
- o RMTs are deployed to conduct onsite radiological surveys. Implement EPIP 1.5-9, Onsite Emergency Radiological Surveys.

3.4 The Manager of Radiological Dose Assessment shall ensure the following:

- o RMTs are deployed to conduct offsite radiological surveys. Implement EPIP 1.5-10, Offsite Emergency Radiological Surveys.
- o Perform dose calculations for offsite radiological assessment until the Corporate Emergency Response Organization has been activated and assume responsibility for the offsite dose calculations and RMT deployment.

3.5 The Emergency Response Organization shall perform functions and actions as specified in their emergency procedures.

4.0 ATTACHMENT/EXHIBITS

None

5.0 PROCEDURE CROSS REFERENCE

5.1 EPIP 1.5-1, Emergency Assessment

5.2 EPIP 1.5-2, Notification and Communication.

5.3 EPIP 1.5-3, Notification of Unusual Event.

5.4 EPIP 1.5-4, Alert.

5.5 EPIP 1.5-6, General Emergency.

5.6 EPIP 1.5-7, Radiological Dose Assessment.

5.7 EPIP 1.5-8, EOF Emergency Radiological Surveys.

5.8 EPIP 1.5-9, Onsite Emergency Radiological Surveys.

5.9 EPIP 1.5-10, Offsite Emergency Radiological Surveys.

5.10 EPIP 1.5-13, Personnel Accountability.

DEC 15 1982

5.11 EPIP 1.5-14, Evacuation and Assembly.

5.12 EPIP 1.5-19, Activation of the EOF.

5.13 EPIP 1.5-21, Director of Station Emergency Operations.

5.14 EPIP 1.5-22, Manager of Radiological Consequence Assessment.

5.15 EPIP 1.5-23, Manager of Security.

5.16 EPIP 1.5-24, Manager of Communication.

5.17 EPIP 1.5-25, Manager of Public Information.

5.18 EPIP 1.5-26, Manager of Control Room Operations.

5.19 EPIP 1.5-27, Manager of Onsite Resources.

5.20 EPIP 1.5-28, Manager of Technical Support.

5.21 EPIP 1.5-30, On-Shift Chemistry Technician.

5.22 EPIP 1.5-31, On-Shift Health Physics Technician.

5.23 EPIP 1.5-33, Shift Supervisor's Staff Assistant.

5.24 EPIP 1.5-37, Manager of Radiological Dose Assessment.

EPIP 1.5-11-C
Revision 3 (MAJO
DEC 15 1992

PLANT OPERATIONS REVIEW COMMITTEE APPROVAL

Connecticut Yankee
Emergency Plan Implementing
Procedure EPIP 1.5-11

PERSONNEL INJURIES

APPROVED BY STATION SUPERINTENDENT

EFFECTIVE DATE 12-15-92

1.0 PURPOSE

To provide guidance for responding to personnel injuries with or without contamination during a plant emergency.

2.0 RESPONSIBILITIES

2.1 The Shift Supervisor is responsible for implementing this procedure.

2.2 The Station Nurse and/or Health Physics Technicians are responsible for performing required first aid.

2.3 The Shift Supervisor's Staff Assistant (SSSA) will, when directed by the Shift Supervisor/Manager of Control Room Operations (MCRO), initiate the request for offsite ambulance service.

2.4 The SSSA will, when directed by the Shift Supervisor/MCRO, initiate the first hospital notification if an injured individual(s) is to be transported off site for medical care. The SSSA will initiate all hospital notifications if the Station Nurse is not on site.

2.5 The Station Nurse/Health Physics Technician will contact the receiving hospital at the time the ambulance leaves the site. Additional information on the condition of the patient(s) will be provided.

3.0 ACTIONS

3.1 Injured ambulatory personnel report to the Station Nurse in the Emergency Operations Facility (EOF).

3.1.1 The Station Nurse will call the Control Room and provide the following information to the SSSA:

- Name of injured individual(s),

- o Ambulance transportation is/ is not required,
- o Injured individual(s) are/ are not contaminated, and
- o Brief description of the injury or illness.

3.1.2 The SSSA will implement EPIP 1.5-2 (Attachment 7) if an ambulance is required. The following information will be provided:

- o An ambulance is needed at Connecticut Yankee,
- o Number of individual(s) requiring transportation,
- o Injured individual(s) are/ are not contaminated,
- o Brief description of injuries, and
- o Patient(s) is conscious/ unconscious.

Note: Injured individual(s) will be transported to Middlesex Memorial Hospital, Middletown.

Note: Lawrence and Memorial Hospital, New London is the alternate hospital in the event large numbers of injured contaminated personnel require treatment.

3.1.3 The SSSA will request the Manager of Security provide a member of the Security force to meet the ambulance at the north gate. Emergency dosimetry will be issued to ambulance crew by the Security force or a Health Physics Technician in accordance with EPIP 1.5-29, Emergency Dosimetry Issue.

3.2 When injured nonambulatory individual(s) are found inside or outside of the protected area the following action will be taken.

3.2.1 The Shift Supervisor/MCRO will upon notification that the injured individual(s) have been found, sound the Station Annunciation Alarm followed by a request over the Station paging system for the Station Nurse/On-Shift Health Physics Technician (if not a member of the Search and Rescue Team) to respond with a trauma kit to the location of the injured individual(s).

3.2.2 The Station Nurse/On-Shift Health Physics Technician will request the on-scene security person contact the Control Room and provide the SSSA with the following:

- o Name(s) of injured individual(s),
- o Individual(s) are/ are not contaminated, if known,
- o Brief description of injuries, and
- o Patient is conscious/ unconscious.

NOTE: The SSSA shall receive all of the above information prior to notifying the receiving hospital.

3.2.3 The SSSA will implement paragraphs 3.1.2 and 3.1.3 of this procedure if or when it is determined that individual(s) must be transported off site to a hospital.

3.2.4 The Shift Supervisor/MCRO or the Director of SEO will ensure that a Health Physics Technician shall accompany contaminated individual(s) or report to the receiving hospital.

4.0 ATTACHMENTS

None.

5.0 PROCEDURE CROSS REFERENCE

5.1 EPIP 1.5-2, Notification and Communication.

5.2 EPIP 1.5-26, Manager of Control Room Operations.

5.3 EPIP 1.5-29, Emergency Dosimetry Issue.

5.4 EPIP 1.5-31, On-Shift Health Physics Technician.

5.5 EPIP 1.5-33, Shift Supervisor's Staff Assistant.

EPIP 1.5-12-C
Revision 2 MAJOR

DEC 15 1982

Connecticut Yankee
Emergency Plan Implementing
Procedure EPIP 1.5-12

PLANT OPERATIONS REVIEW COMMITTEE APPROVAL

APPROVED BY STATION SUPERINTENDENT

EFFECTIVE DATE 12/15/82

PERSONNEL/VEHICLE MONITORING AND DECONTAMINATION

1.0 PURPOSE

To provide guidance for monitoring/decontaminating personnel and vehicles during a plant emergency.

2.0 RESPONSIBILITY

2.1 The Manager of Radiological Consequence Assessment is responsible for implementing this procedure and ensuring that personnel and vehicles exiting the site are controlled, monitored, and decontaminated to within the acceptance criteria level of RAP 6.2-13, Radiological Surveys.

2.2 The Manager of Onsite Resource shall provide qualified personnel to monitor and, as necessary, decontaminate personnel and vehicles.

3.0 ACTIONS

3.1 Monitor Connecticut Yankee (CY) Emergency Response Organization and non-assigned CY personnel entering the Emergency Operations Facility (EOF).

3.1.1 Personnel entering the EOF will perform self-monitoring whole-body frisks at the monitoring stations located inside the EOF entrances or pass through the portal monitor when installed.

3.1.2 Monitored areas with readings which exceed 100 counts per minute (CPM) above background, shall be frisked again to verify the presence of contamination.

3.1.3 The Manager of Radiological Consequence Assessment shall be notified if contamination is verified. Personnel will remain at the monitoring station until directed to proceed to the decontamination facilities.

3.2 Monitoring of Non-CY personnel

3.2.1 The Manager of Radiological Consequence Assessment shall request personnel from the Manager of Onsite Resources to monitor non-CY personnel assembled in the parking lot.

NOTE: The Director of SEO will direct the relocation of non-CY personnel to a location other than the parking lot in the event of potential plume exposure or inclement weather.

3.2.2 Radiological Monitoring Team (RMT) will conduct personnel monitoring as follows:

- o Each member of the RMT shall obtain an RM-14 ratemeter and an HP-210 probe or equivalent.
- o Proceed to the parking lot and conduct whole-body frisks on all personnel.
- o Monitored areas with readings which exceed 100 CPM above background, shall be frisked again to verify the presence of contamination.
- o Direct the individual(s) to report to the west door of the EOF for decontamination.

3.2.3 Personnel Decontamination

3.2.3.1 Personnel decontamination will be conducted in accordance with RAP 6.2-2, Personnel Monitoring and Decontamination.

3.2.3.2 Personnel with contamination levels of less than 100 CPM above background measured at 1/2" from surface with an RM14/HP210 or equivalent may be considered clean.

3.3 Monitoring of Vehicles

3.3.1 The Manager of Radiological Consequence Assessment shall request personnel from the Manager of Onsite Resources to monitor vehicles prior to their exiting the site.

3.3.2 RMT will conduct vehicle monitoring as follows:

- o Each member of the monitoring team shall obtain an RM-14 ratemeter and an HP-210 probe or equivalent.

- o Proceed to the parking lot and monitor vehicles concentrating on horizontal surfaces and tires.
- o Monitored areas with readings which exceed 100 CPM above background, shall be frisked again to verify the presence of contamination.
- o Direct the vehicle(s) to the decontamination area, via the route specified by the Manager of Radiological Consequence Assessment.

3.3.3 Vehicle Decontamination

3.3.3.1 Vehicle decontamination will be accomplished in the parking lot in front of the Health Physics clothing warehouse.

3.3.3.2 Vehicles contaminated in excess of 1000 dpm/100 cm^2 beta/gamma above background will be decontaminated prior to exiting the site.

3.3.3.3 Decontamination of vehicles will be performed by qualified personnel and they shall wear appropriate protective clothing.

3.3.3.4 Vehicle and equipment decontamination will be conducted in accordance with RAP 6.1-6, Decontamination of Area and Equipment.

3.4 Decontamination Equipment

3.4.1 Decontamination equipment shall be stored in the EOF and maintained in accordance with SUR 5.6-10, Emergency Kit Maintenance and Inspection.

4.0 ATTACHMENTS

None.

5.0 PROCEDURE CROSS REFERENCE

5.1 EPIP 1.5-14, Evacuation and Assembly.

5.2 EPIP 1.5-17, Emergency Equipment

5.3 EPIP 1.5-22, Manager of Radiological Consequence Assessment.

5.4 EPIP 1.5-27, Manager of Onsite Resources.

5.5 RAP 6.1-6, Decontamination of Area and Equipment.

5.6 RAP 6.2-2, Personnel Monitoring and Decontamination.

5.7 SUR 5.6-8, Radiological Surveys.

5.8 SUR 5.6-10, Emergency Kit Maintenance and Inspection.

EPIP 1.5-13-C
Revision 2 MAJOR

DEC 15 1982

PLANT OPERATIONS REVIEW COMMITTEE APPROVAL

Connecticut Yankee
Emergency Plan Implementing
Procedure EPIP 1.5-13

APPROVED BY STATION SUPERINTENDENT

EFFECTIVE DATE 12/15/82

PERSONNEL ACCOUNTABILITY

1.0 PURPOSE

To provide guidance for conducting personnel accountability following evacuation of Station personnel during a plant emergency.

2.0 RESPONSIBILITY

2.1 The Director of Station Emergency Operations (Director of SEO) is responsible for implementing this procedure.

2.2 The Manager of Security will coordinate personnel accountability.

2.3 The Manager of Technical Support will ensure accountability of personnel responding to the Technical Support Center (TSC) within 30 minutes of plant evacuation.

2.4 The Manager of Control Room Operations (MCRO) will ensure accountability of the Control Room and Immediate Response Operational Support Center (IROSC) personnel within 30 minutes of plant evacuation.

3.0 ACTIONS

3.1 Personnel accountability shall be performed by security personnel following plant evacuation, in accordance with SEC 1.3-18, Emergency Plan - Security Force Actions.

3.1.1 Badge board accountability is conducted at the Primary Access Point (PAP) and the Auxiliary Access Point (AAP).

3.1.2 Upon completion of accountability at the PAP and AAP, the accountability list will be reviewed and one list of personnel remaining inside the protected area will be developed.

3.1.3 A computer search may also be initiated in order to generate a list of personnel remaining inside the protected area.

3.2 The Manager of Technical Support shall ensure that the following is completed within 30 minutes of plant evacuation.

3.2.1 Record the names and badge numbers of all personnel that have reported to the TSC.

3.2.2 Provide the Manager of Security, via telephone, the names and badge numbers of all personnel that have reported to the TSC.

3.3 The MCRO shall ensure that the following is completed within 30 minutes of plant evacuation.

3.3.1 Record the names and badge numbers of all personnel that have reported to the Control Room.

3.3.2 Record the names and badge numbers of all personnel that have reported to the IROSC.

3.3.3 Provide the Manager of Security, via telephone, the names and badge numbers of all personnel in the Control Room and IROSC.

3.4 The Manager of Security will record the names and badge numbers of all personnel that have reported to the Control Room, TSC and IROSC.

3.5 Security will deliver the finalized accountability list to the Manager of Security at the Emergency Operations Center (EOC).

3.6 The Manager of Security will then compare the Control Room, TSC and IROSC list against the Security provided accountability list and report the names of individual(s) that are unaccounted for to the Director of SEO.

3.7 The Director of SEO will initiate EPIP 1.5-15, Search and Rescue, for unaccounted personnel.

4.0 ATTACHMENTS

None

5.0 PROCEDURE CROSS REFERENCE

5.1 EPIP 1.5-15, Search and Rescue

5.2 EPIP 1.5-23, Manager of Security

5.3 EPIP 1.5-26, Manager of Control Room Operations

5.4 EPIP 1.5-28, Manager of Technical Support

5.5 SEC 1.3-18, Emergency Plan - Security Force Actions.

EPIP 1.5-14-C
Revision 2 MAJOR

DEC 15 1982

Connecticut Yankee
Emergency Plan Implementing
Procedure EPIP 1.5-14

PLANT OPERATIONS REVIEW COMMITTEE APPROVAL

EVACUATION AND ASSEMBLY

APPROVED BY STATION SUPERINTENDENT

EFFECTIVE DATE 12/15/82

1.0 PURPOSE

To provide guidance for evacuation of specific areas of the plant or the evacuation of the entire Station during a plant emergency.

2.0 RESPONSIBILITY

2.1 The Operations Shift Supervisor/Director of Station Emergency Operations (Director of SEO) is responsible for implementing this procedure.

2.2 The Operations Shift Supervisor is responsible for initiating evacuation.

3.0 ACTIONS

3.1 Guidelines for the evacuation of specific areas within the plant.

3.1.1 If an area radiation monitor alarms, personnel shall:

- o Immediately evacuate the area,
- o Notify the Control Room (dial , and
- o Proceed to the Health Physics (HP) Control Point or to the area directed by the PA announcement.

3.1.2 Upon initiation of the Station Annunciation Alarm followed by a public address (PA) announcement to evacuate a specified area, personnel shall:

- o Immediately evacuate the specified area, and
- o Proceed to the HP Control Point or to the area directed by the PA announcement.

NOTE: Personnel shall not reenter an area where a radiation monitor alarm is alarming unless authorized by the Shift Supervisor/ Director of SEO.

3.2 Guidelines for Station evacuation.

3.2.1 A Station evacuation will be conducted if an Alert, Site Area Emergency or General Emergency has been declared.

NOTE: During a drill or exercise, proceed all messages over the PA system with, "This is a drill, this is a drill".

3.2.2 The Operations Shift Supervisor/Manager of Control Room Operations (MCRO) will sound the Station Annunciation Alarm and announce evacuation instructions over the PA system.

3.2.3 The Operations Shift Supervisor/MCRO will sound the Station Evacuation Alarm.

3.2.4 The Manager of Security will initiate EPIP 1.5-13, Personnel Accountability.

3.3 Guidelines for plant evacuation of Connecticut Yankee (CY) Emergency Response Organization personnel who report to the Control Room (CR), Technical Support Center (TSC), and Immediate Response Operations Support Center (IROSC).

3.3.1 When the Station Evacuation Alarm is initiated, the following on-shift personnel will report to their assigned area of responsibility:

- o Shift Supervisor - CR
- o Senior Control Operator - CR
- o Reactor Operators - CR
- o Shift Technical Adviser - TSC
- o Primary Side Auxiliary Operator - CR
- o Secondary Side Auxiliary Operator - CR
- o Health Physics Technician - IROSC
- o Chemistry Technician - IROSC
- o Security Shift Supervisor - EOF

3.3.2 The Primary Side Auxiliary Operator shall perform any required Emergency Operating Procedure (EOP) actions prior to reporting to the Control Room.

3.4 Guidelines for Station evacuation of CY Emergency Response Organization and unassigned CY personnel who report to the Emergency Operations Facility (EOF).

3.4.1 When the Station Evacuation Alarm is initiated, personnel shall:

- o Collect personal belongings (car keys, coats, purses, etc).
- o If in the Radiation Control Area (RCA) proceed directly to the HP Control Point, disregard normal health physics procedures.

  NOTE: Personnel wearing protective clothing will remove only the outer shoe covers and rubber gloves when exiting the RCA.

- o During normal working hours, exit through the point of initial access and drop off key card and ID badge.
- o During backshift hours and weekends, exit through the Primary Access Point (PAP) and drop off key card and ID badge.
- o Proceed directly to the Emergency Operations Center or Operational Support Center in the EOF.

3.5 Guidelines for Station evacuation of non-CY personnel (Contractors/ Vendors)

3.5.1 When the Station Evacuation Alarm is initiated personnel shall:

- o Collect personal belongings (car keys, coats, purses, etc.).
- o If in the RCA proceed directly to the HP Control Point, disregard normal health physics procedures.

  NOTE: Personnel wearing protective clothing will remove only the outer shoe covers and rubber gloves when exiting the RCA.

- o Exit through the PAP and drop off key card and ID badge.

- o Proceed directly to the parking lot across from the Energy Information Center and await further instructions.

NOTE: The Director of SEO will direct the relocation of non-CY personnel to a location other than the parking lot in the event of potential plume exposure or inclement weather.

3.6 The Manager of Radiological Consequence Assessment will initiate EPIP 1.5-12, Personnel/Vehicle Monitoring and Decontamination.

3.7 Guidelines for Station evacuation of personnel from the site.

3.7.1 CY personnel and non-CY personnel not needed for the emergency effort will be evacuated from the site when accountability procedures and necessary decontamination procedures have been completed.

3.7.2 Site evacuation will be accomplished via one or more of the following methods:

- o Personal vehicles
- o Buses
- o Company vehicles
- o On foot

3.7.3 Nonessential CY personnel will be directed to report to the Near Site Evacuation Center (the Haddam Neck Volunteer Fire Company) or to return to their residence and await further instructions.

4.0 ATTACHMENTS

None.

5.0 PROCEDURE CROSS REFERENCE

5.1 EPIP 1.5-12, Personnel/Vehicle Monitoring and Decontamination.
5.2 EPIP 1.5-13, Personnel Accountability.
5.3 EPIP 1.5-22, Manager of Radiological Consequence Assessment.
5.4 EPIP 1.5-26, Manager of Control Room Operations.
5.5 EPIP 1.5-28, Manager of Technical Support.
5.6 EPIP 1.5-30, On-Shift Chemistry Technician.
5.7 EPIP 1.5-31, On-Shift Health Physics Technician.

Connecticut Yankee
Emergency Plan Implementing
Procedure EPIP 1.5-15

PLANT OPERATIONS REVIEW COMMITTEE APPROVAL

APPROVED BY STATION SUPERINTENDENT

EFFECTIVE DATE 12/15/82

SEARCH AND RESCUE

1.0 PURPOSE

To provide guidance for the search and rescue of unaccounted for individuals following Station evacuation and accountability during a plant emergency.

2.0 RESPONSIBILITY

2.1 The Manager of On Site Resources is responsible for providing the personnel necessary for search and rescue operations.

2.2 The Managers of Security and Radiological Consequence Assessment are responsible for providing guidance and instruction to the Search and Rescue Team personnel.

2.3 The Operations Shift Supervisor/Director of Station Emergency Operations (Director of SEO) is responsible for implementing this procedure.

3.0 ACTIONS

3.1 The Manager of Security will determine if there are personnel unaccounted for in the plant, in accordance with EPIP 1.5-13, Personnel Accountability.

3.2 The Manager of Security will have/request CAS/SAS page the missing individual(s) via the plant page system.

3.2.1 If the missing individual(s) has not responded to the page after five minutes, the Manager of Security will inform the Director of SEO, Operations Shift Supervisor/ Manager of Control Room Operations (MCRO), and Manager of On Site Resources of the situation.

3.3 The Manager of On Site Resources will organize a Search and Rescue Team and assemble them in the Operational Support Center (OSC) for a predeployment briefing.

3.3.1 The Search and Rescue Team shall consist of three members, preferably having at least one of the following qualifications:

- o Radiological Monitoring Team trained,
- o Multi-Media First Aid trained, and
- o Familiar with plant layout.

3.4 The Managers of Security and Radiological Consequence Assessment briefing may include the following:

- o Provide name and description of the missing individual(s),
- o Provide last known location and/or last known job being performed by the missing individual(s),
- o Inform the team members of plant conditions which may affect the search and rescue operations,
- o Direct team members to follow the prescribed route and search the areas specified in Attachment 1 to prevent duplication of effort,
- o Direct team members to conduct the search as quickly and thoroughly as possible,
- o Direct the team leader to maintain radio communication (Channel 4) with the Manager of Radiological Consequence Assessment throughout the entire search and rescue operation,
- o Direct the team leader to report the following information via radio as soon as the missing individual(s) is found:
  - o Identity of individual(s),
  - o Physical condition of the individual(s), and
  - o Requirements for removal of the individuals(s).
- o The MCRO shall monitor the radio communications throughout the entire search and rescue operation.
- o Provide team members with emergency dosimetry in accordance with EPIP 1.5-29, Emergency Dosimetry, prior to leaving the Emergency Operations Facility (EOF), and
- o Direct team members to outfit themselves with the following equipment that is stored with the Emergency Equipment Storage Room,
  - o Full protective clothing,

- o Radiation survey instrument (PIC-6A),
- o Appropriate respiratory protection equipment, and
- o Portable radio (Select Channel 4).

3.5 The Manager of Security will provide vital area keys to the Search and Rescue Team leader if necessary. Team members will pick up their ID card and key card at the Primary Access Point for access to the protected areas to be searched.

3.6 The MCRO shall implement EPIP 1.5-11, Personnel Injuries, if the individual(s) require transportation to the hospital.

3.7 The Manager of Radiological Consequence Assessment shall keep the Director of SEO informed of the progress and of the final results of the search and rescue effort.

4.0 ATTACHMENTS

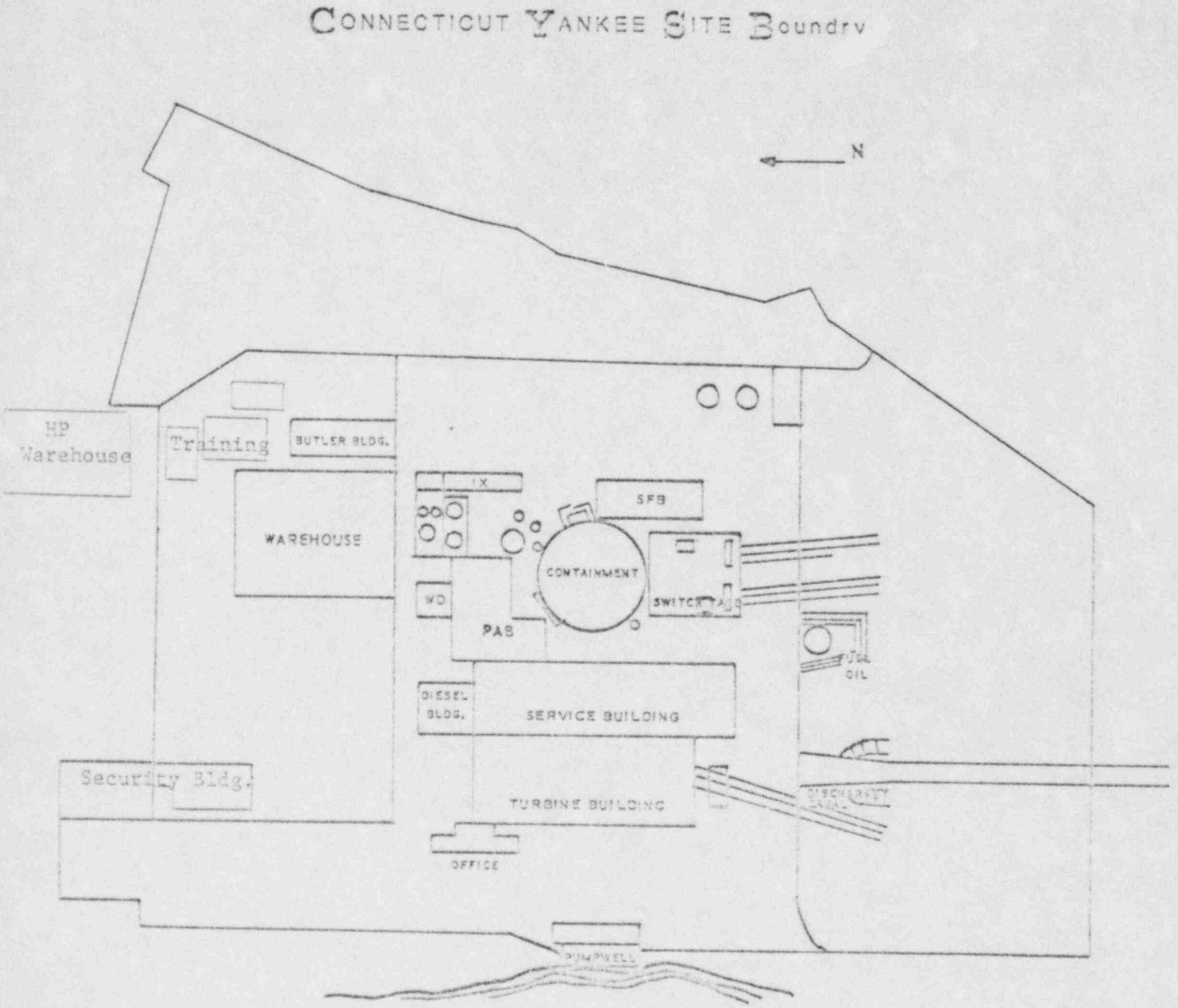
5.0 PROCEDURE CROSS REFERENCE

5.1 EPIP 1.5-11, Personnel Injuries
5.2 EPIP 1.5-13, Personnel Accountability
5.3 EPIP 1.5-14, Evacuation and Assembly
5.4 EPIP 1.5-22, Manager of Radiological Consequence
5.5 EPIP 1.5-23, Manager of Security
5.6 EPIP 1.5-26, Manager of Control Room Operations
5.7 EPIP 1.5-27, Manager of Onsite Resources
5.8 EPIP 1.5-28, Emergency Dosimetry
5.9 EPIP 1.5-33, Shift Supervisor's Staff Assistant

ATTACHMENT 1

DEC 15 1982

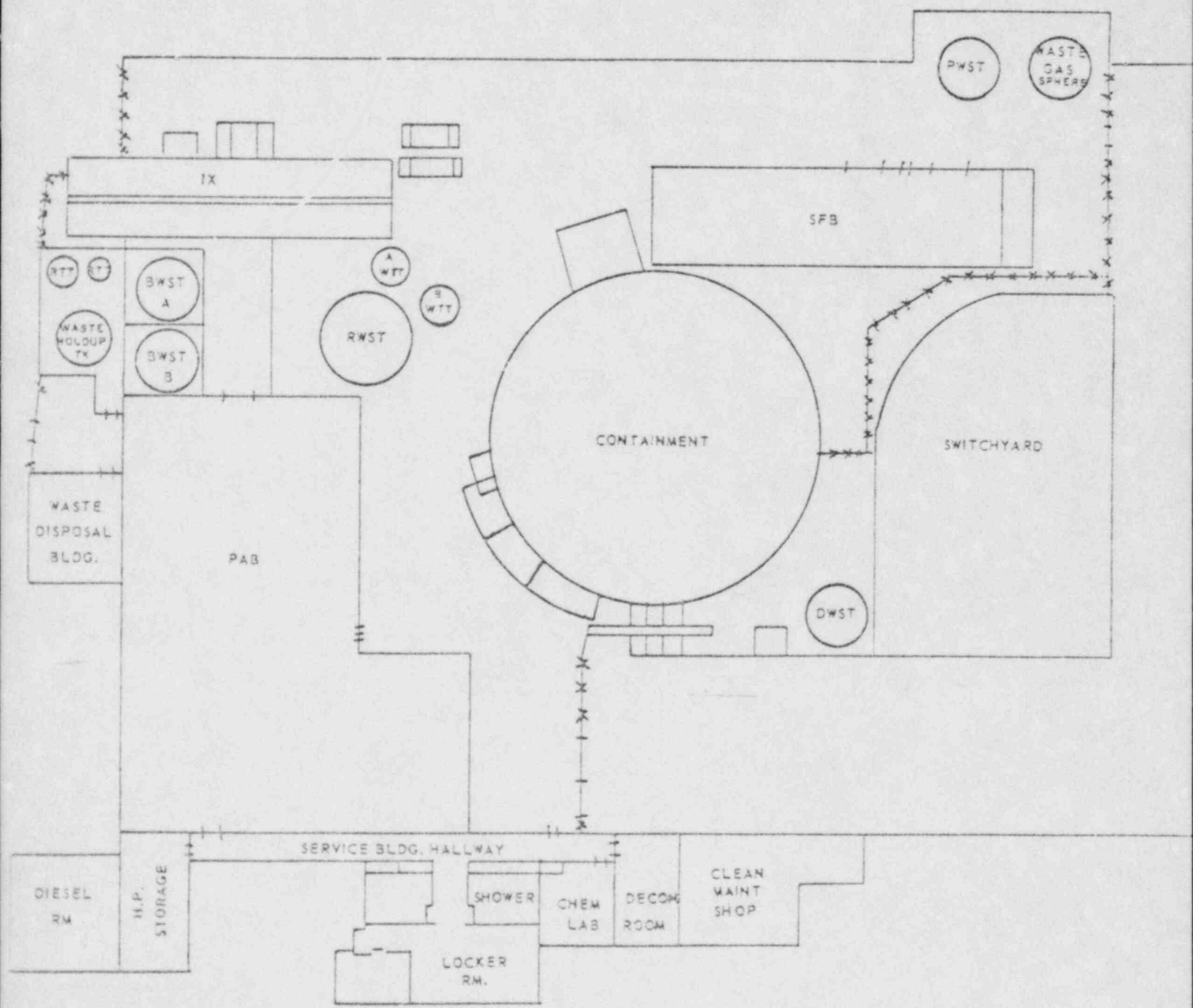
PLANT FLOOR PLAN FOR SEARCH AND RESCUE



ATTACHMENT 1 (Continued)

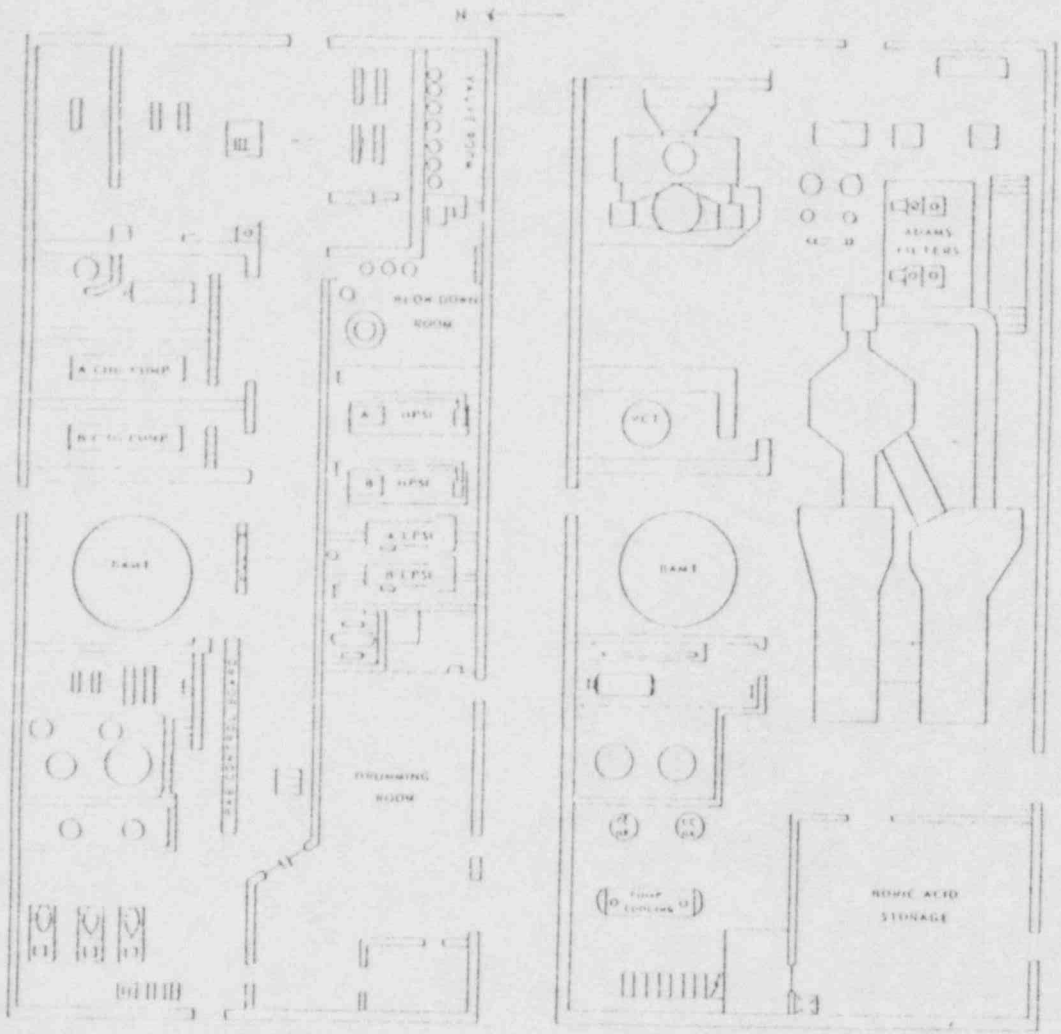
PLANT FLOOR PLAN FOR SEARCH AND RESCUE

DEC 15 1982



ATTACHMENT 1 (Continued)
PLANT FLOOR PLAN FOR SEARCH AND RESCUE

PRIMARY AUXILARY Building



1st FLOOR

2nd FLOOR

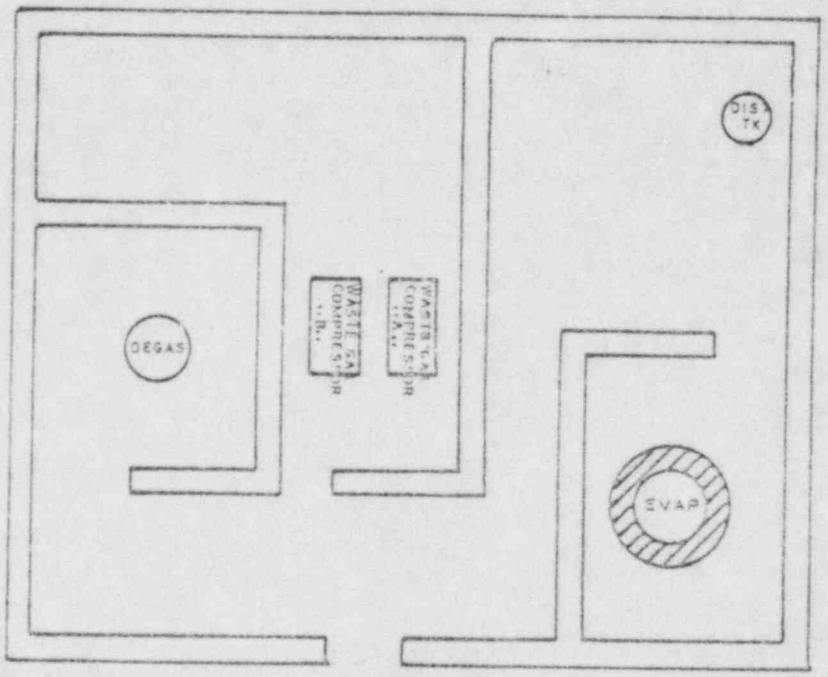
ROOF

EPIP 1.5-15-C
Revision 2 MAJOR

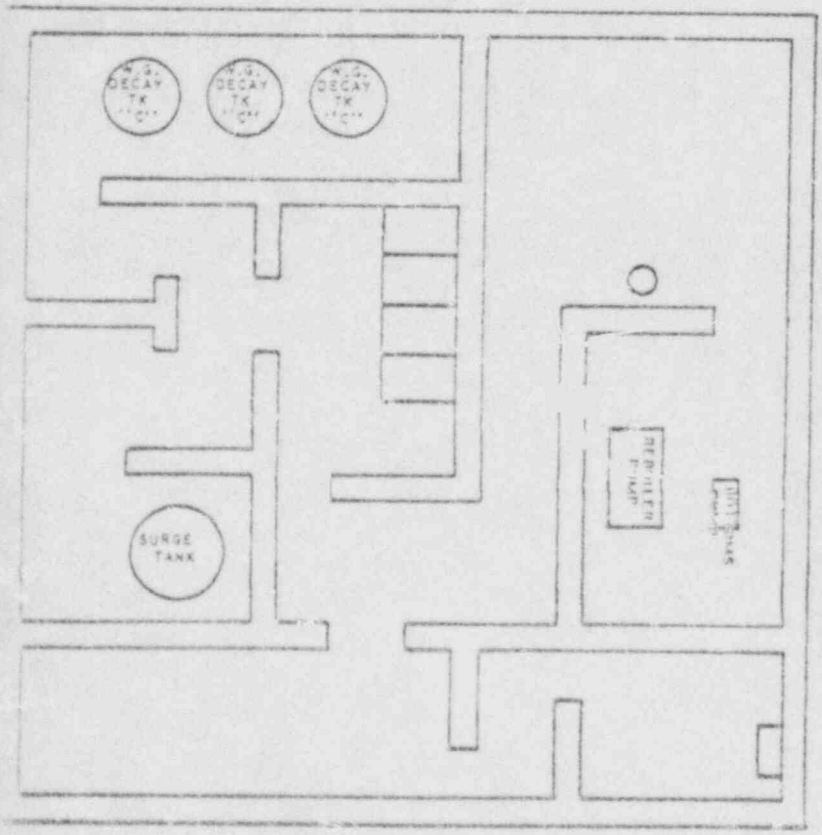
DEC 15 1992

Waste Disposal All Levels

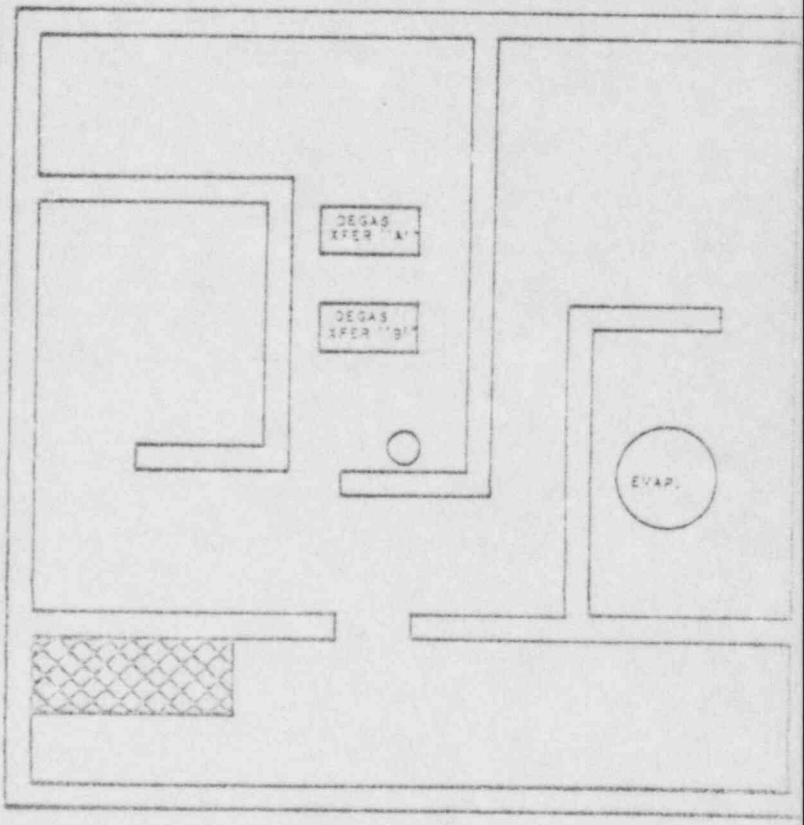
WASTE DISPOSAL BUILDING
SECOND FLOOR



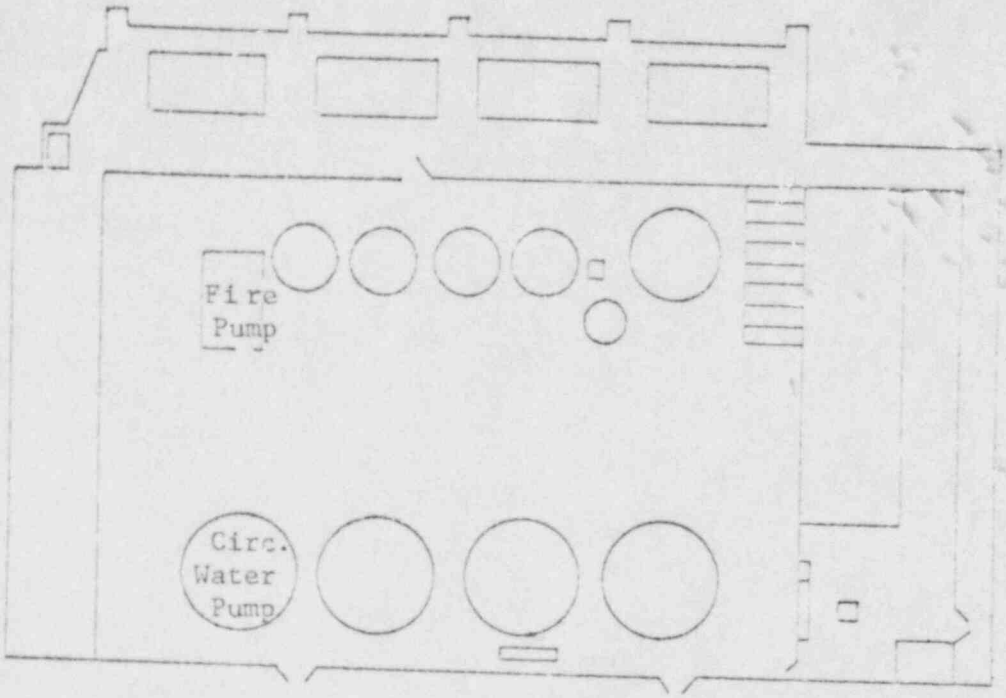
WASTE DISPOSAL BUILDING
LOWER LEVEL



WASTE DISPOSAL BUILDING
FIRST FLOOR

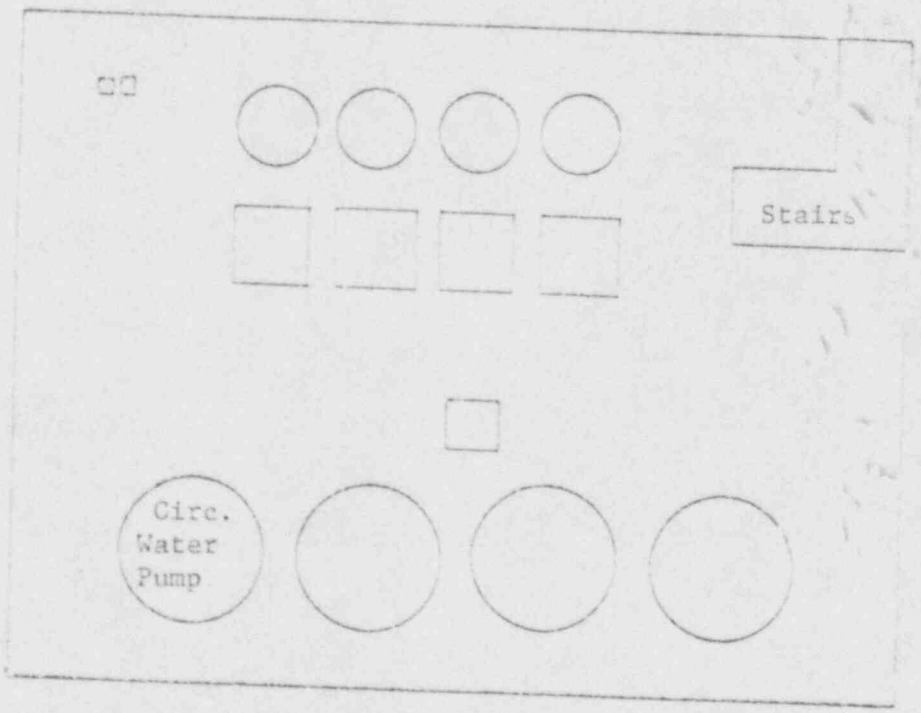


SCREEN WELL HOUSE



Ground Floor

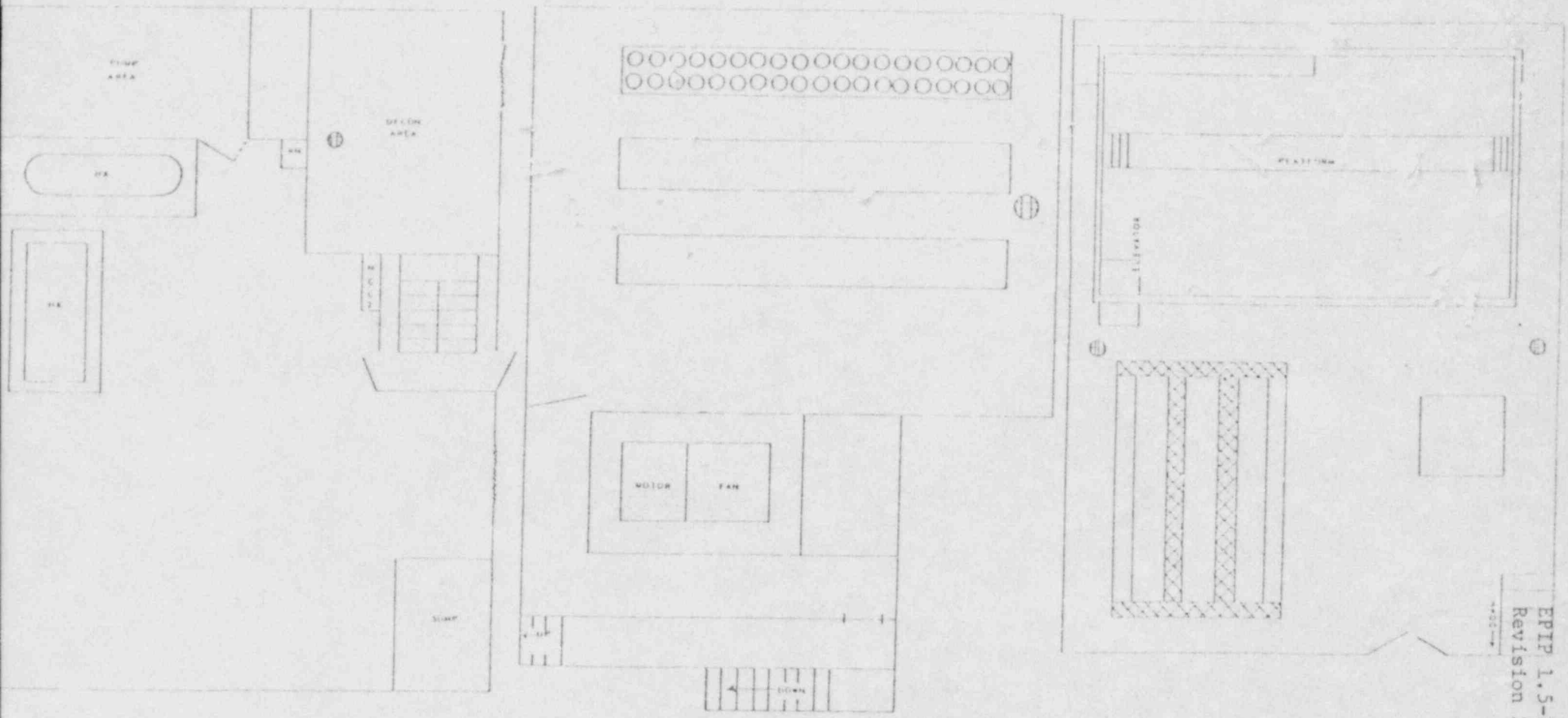
N



Basement

ATTACHMENT 1 (Continued)
PLANT FLOOR PLAN FOR SEARCH AND RESCUE

SPENT FUEL BUILDING



GROUND FLOOR

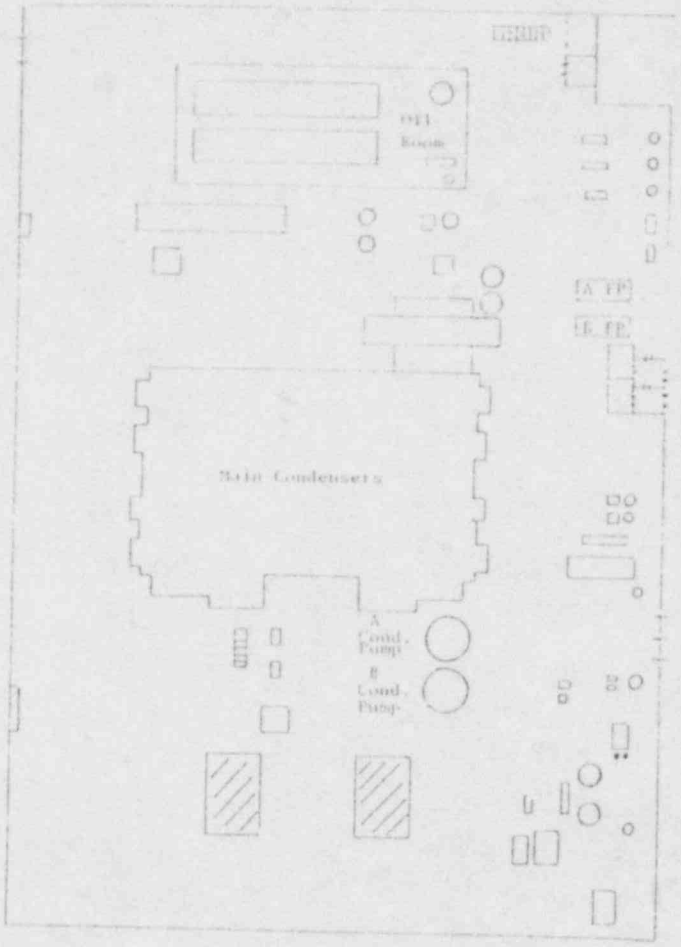
MIDDLE LEVEL
NEW FUEL STORAGE AREA

TOP FLOOR POOL AREA

EPIP 1.5-15-C
Revision 2 MAJOR

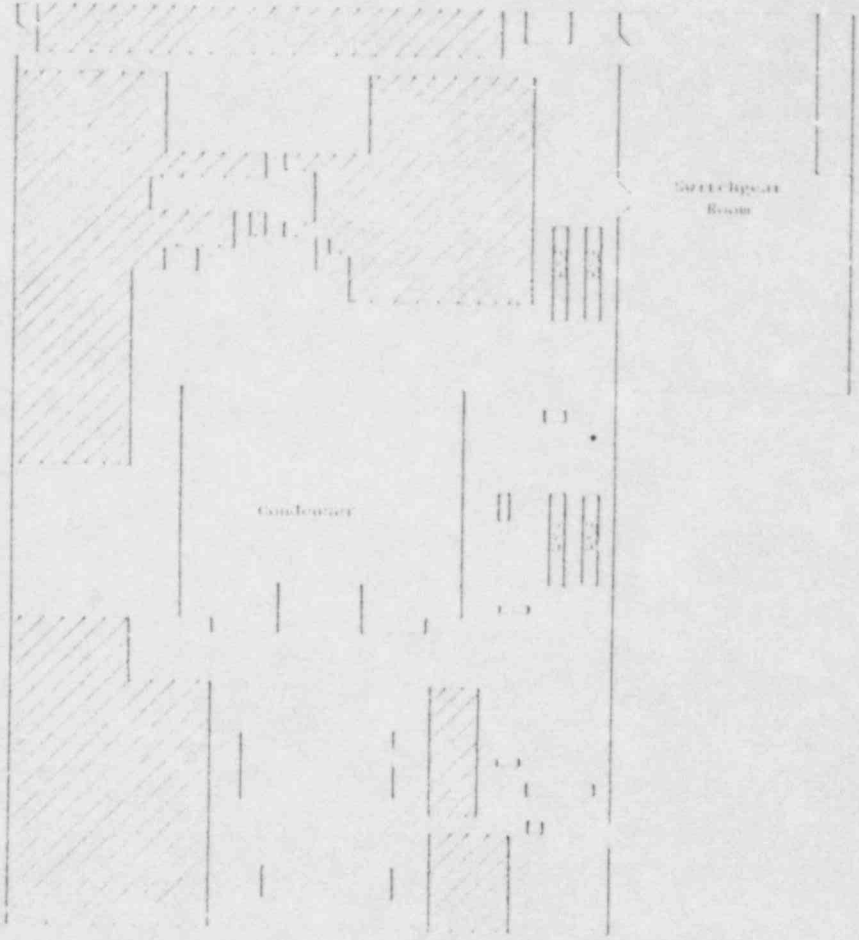
DEC 15

Turbine Building



TURBINE BUILDING
GROUND FLOOR

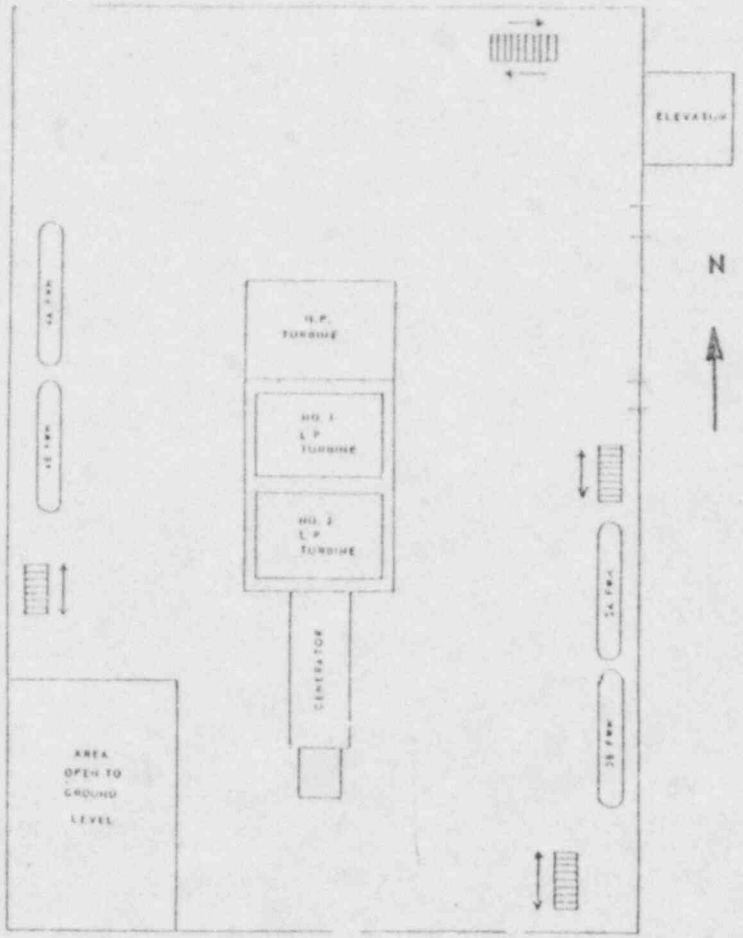
N



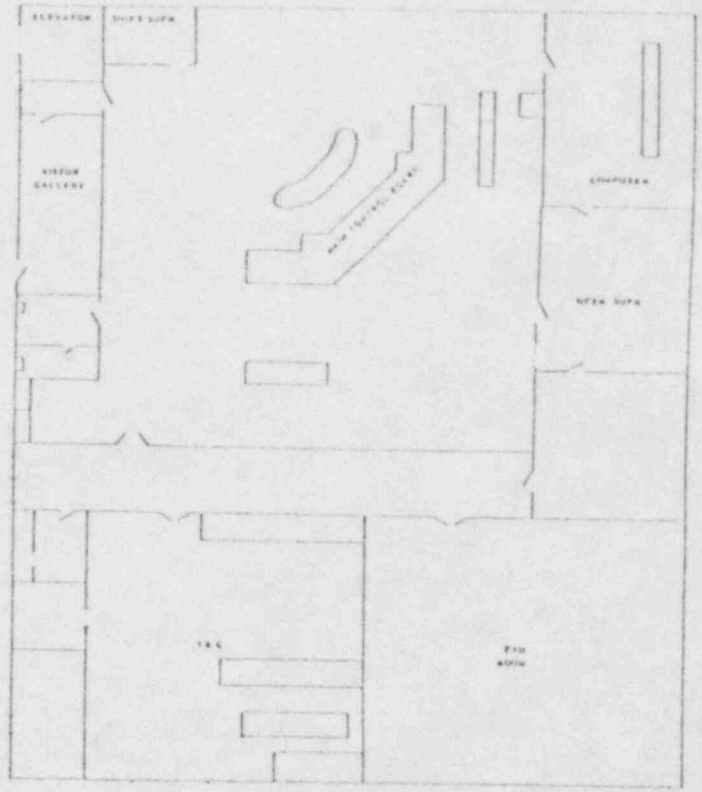
TURBINE BUILDING MIDDLE LEVEL,
MEZZANINE AND SWITCHGEAR ROOM

ATTACHMENT 1 (Continued)
PLANT FLOOR PLAN FOR SEARCH AND RESCUE

TURBINE BUILDING



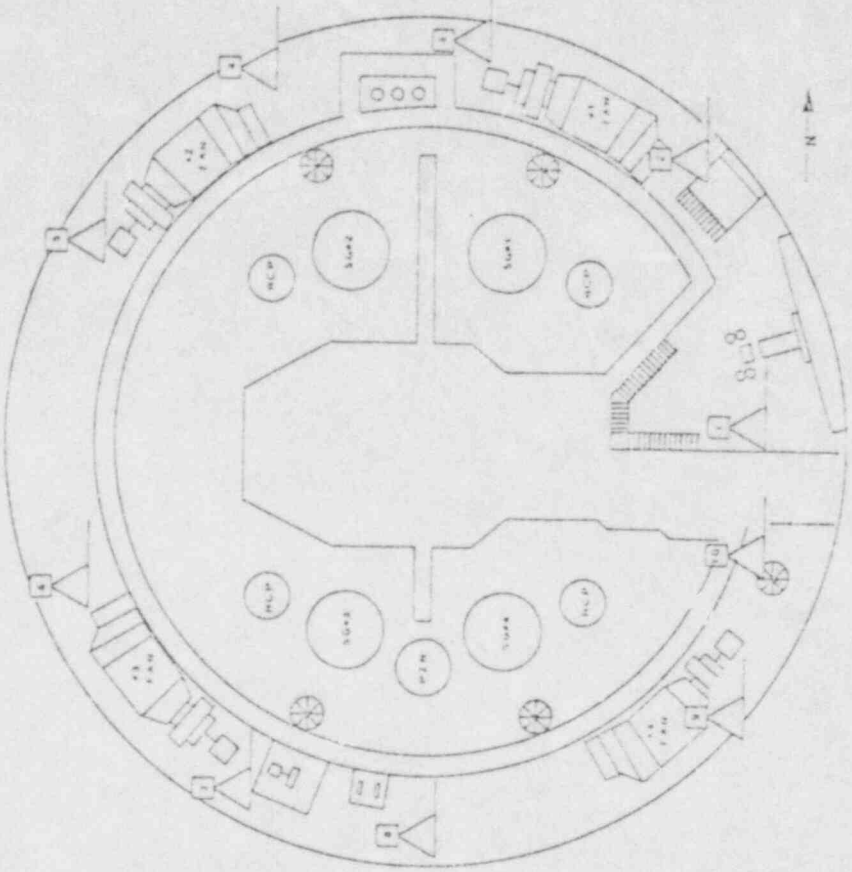
TURBINE BUILDING
UPPER LEVEL



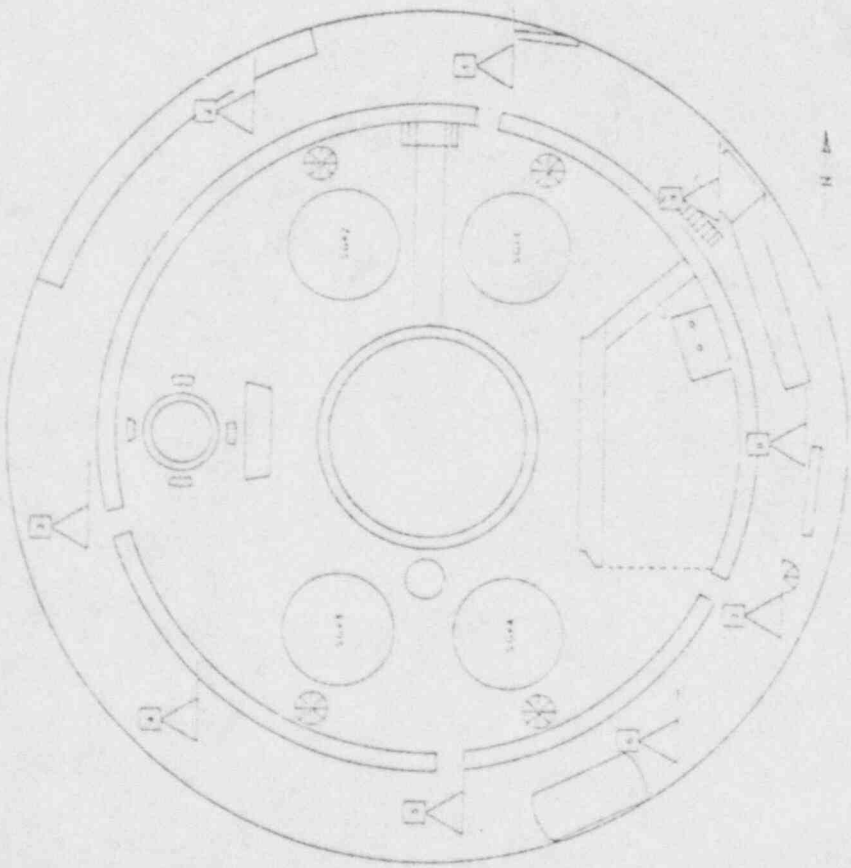
CONTROL ROOM, INSTRUMENT SHOP
AND FAN ROOM

ATTACHMENT 1 (Continued)
PLANT FLOOR PLAN FOR SEARCH AND RESCUE

CONTAINMENT STRUCTURE

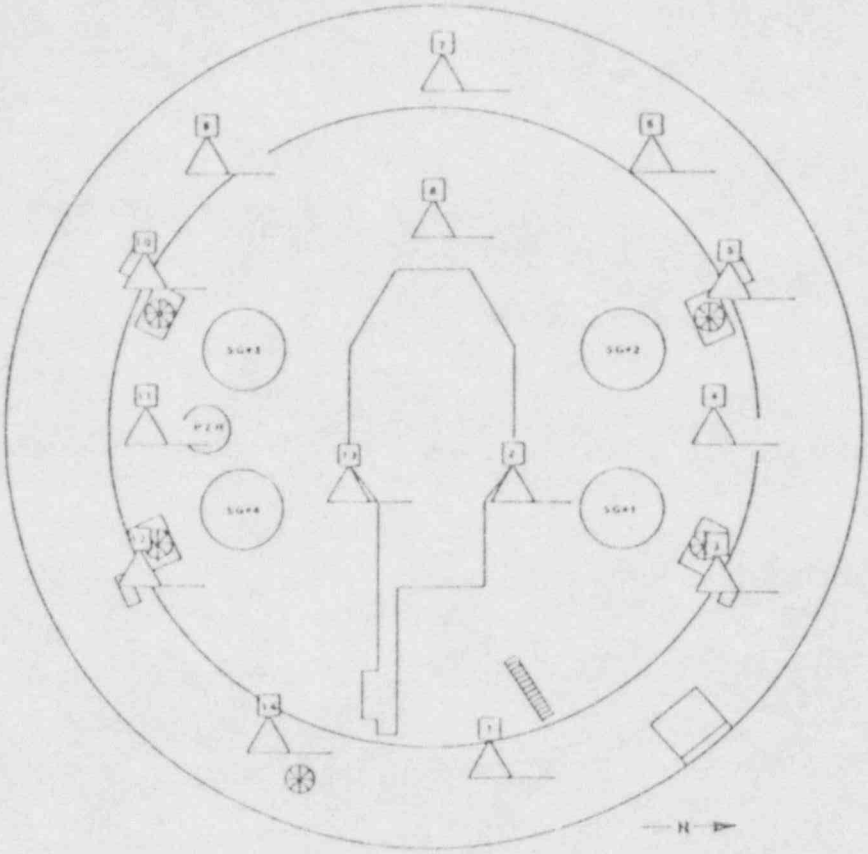


CONTAINMENT GROUND FLOOR
OUTER ANNULUS AND LOOPS

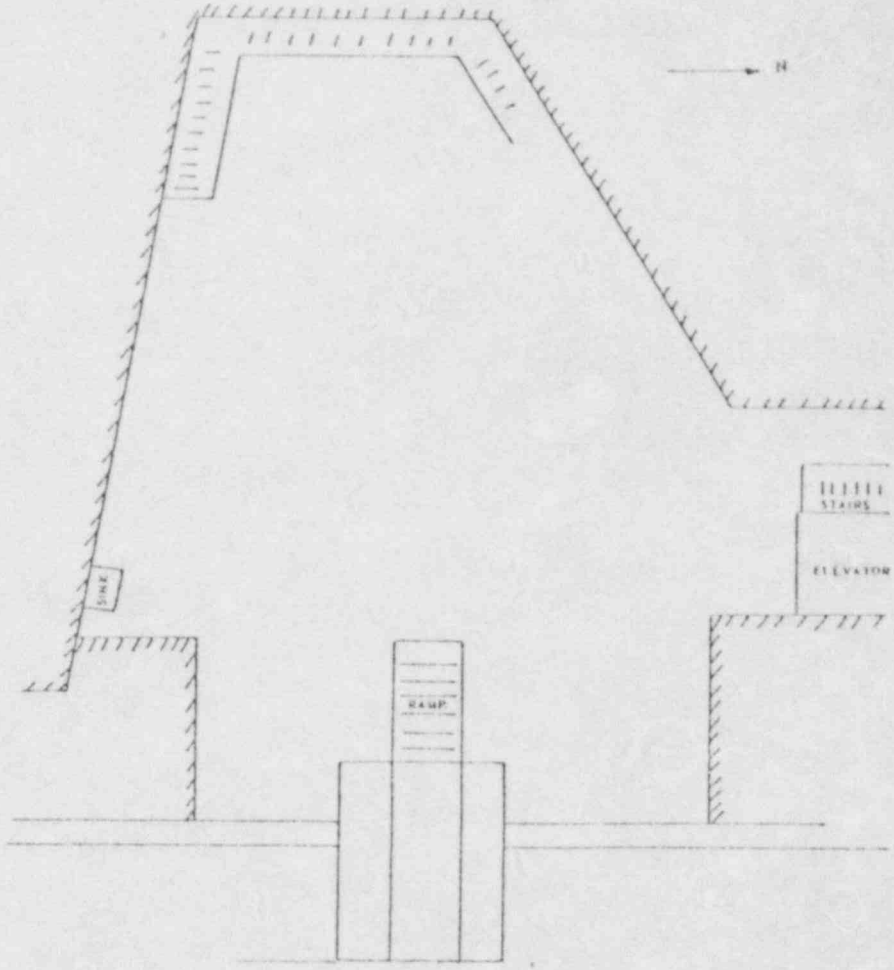


CONTAINMENT LOWER LEVEL
OUTER ANNULUS AND LOOPS

CONTAINMENT STRUCTURE



CONTAINMENT CHARGING FLOOR

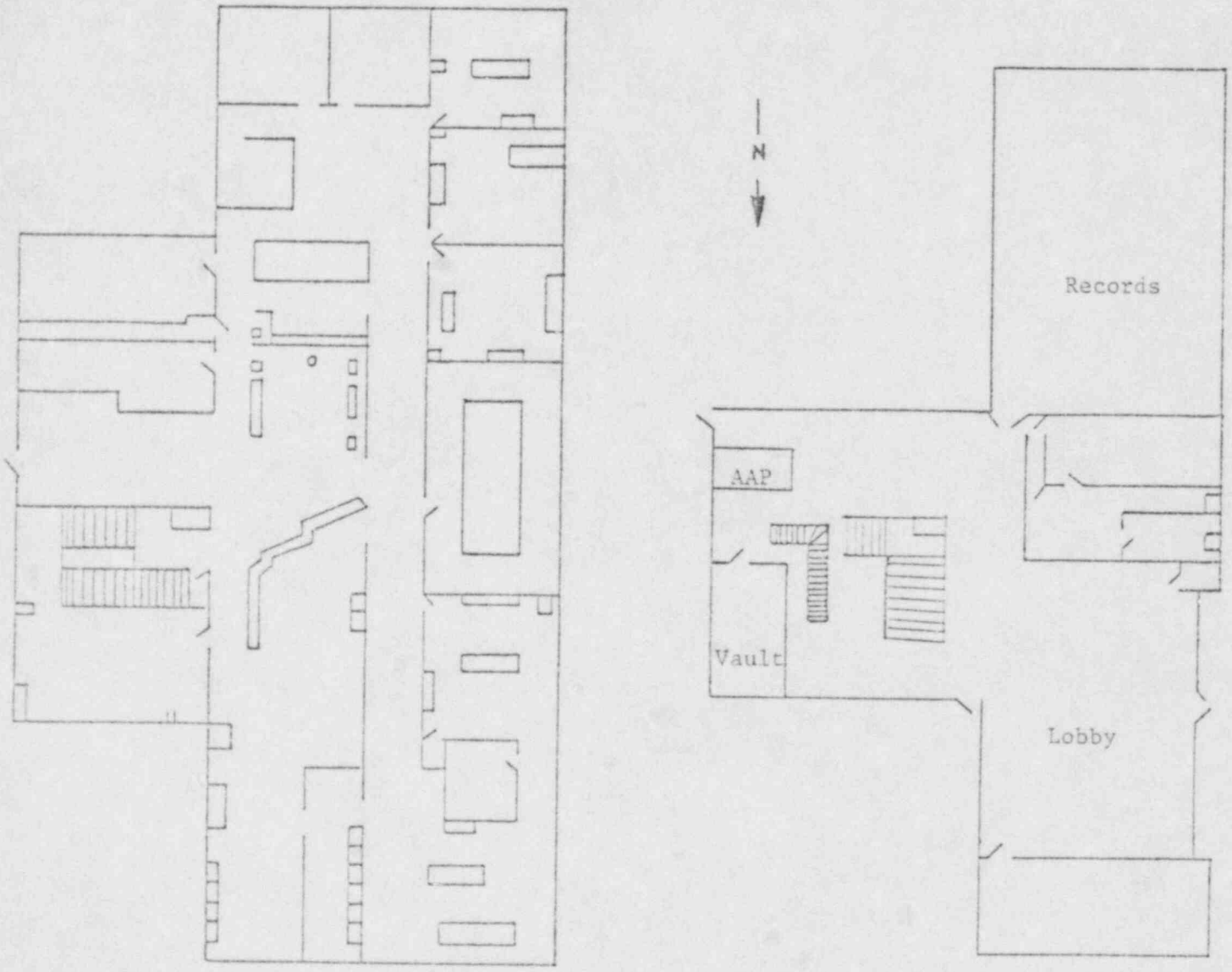


CONTAINMENT - INSIDE FOYER
RAMP AND AIRLOCKE

PLANT FLOOR PLAN FOR SEARCH AND RESCUE

DEC 15 1982

Office Building



Top Floor

Ground Floor

EPIP 1.5-31-C
Revision 1 (MAJOR)

DEC 15 1982

PLANT OPERATIONS REVIEW COMMITTEE APPROVAL

Connecticut Yankee
Emergency Plan Implementing
Procedure EPIP 1.5-31

ON-SHIFT HEALTH PHYSICS TECHNICIAN

APPROVED BY STATION SUPERINTENDENT

EFFECTIVE DATE 12/15/82

1.0 PURPOSE

To establish the emergency response actions to be performed by the On-Shift Health Physics Technician during a plant emergency.

2.0 RESPONSIBILITY

2.1 The Operations Shift Supervisor/Manager of Control Room Operations (MCRO) is responsible for directing the immediate response actions of the On-Shift Health Physics Technician.

2.2 The Manager of Radiological Consequence Assessment is responsible for directing the actions of the On-Shift Health Physics Technician following activation of the Emergency Operations Center (EOC).

2.3 The On-Shift Health Physics Technician is responsible for implementing this procedure.

3.0 ACTIONS

3.1 When the Station Evacuation Alarm is initiated the On-Shift Health Physics Technician shall:

- Obtain a Teletector from the Health Physics control point.
- Perform a functional check on the Teletector portable survey instrument as follows:
  - Check the batteries by turning the selector switch to the BATT position,
  - Needle must move into the BATT OK band on the meter face,
  - If battery fails, obtain another Teletector from instrument issue, and

- o Check the calibration sticker and ensure that the next due date has not passed.

3.2 Report to the Operations Shift Supervisor/MCRO for assignment.

- o Obtain a portable radio from the Control Room.

3.3 Establish radio communication (Channel 4) with the Manager of Radiological Consequence Assessment on when the EOC is activated.

3.4 Emergencies involving the potential or actual increases in radiation/contamination levels in the protected area, the On-Shift Health Physics Technician shall:

- o Ensure Control Room, TSC, and IROSC personnel are issued appropriate dosimetry in accordance with EPIP 1.5-29, Emergency Dosimetry Issue.

- o Obtain the Control Room Emergency Kit survey instruments and perform a functional check on the PIC-6 dose rate meter.

- o Perform an airborn contamination survey in the Control Room in accordance with SUR 5.6-8, Radiological Surveys.

- o Perform a radiation survey in the Control Room in accordance with SUR 5.6-8, Radiological Surveys.

- o Report survey results to MCRO and Manager of Radiological Consequence Assessment.

3.5 Emergencies involving personnel injury, the On-Shift Health Physics Technician will perform first aid in accordance with EPIP 1.5-11, Personnel Injuries.

3.6 Emegencies involving search and rescue operations, the On-Shift Health Physics Technician will take actions in accordance with EPIP 1.5-15, Search and Rescue.

3.7 Emergency involving fire, the On-Shift Health Physics Technician will perform the actions of a fire brigade member in accordance with EPIP 1.5-16, Fire.

3.8 Emergencies involving the use of the Emergency Repair Team (ERT), the On-Shift Health Physics Technician will perform the actions of an ERT member in accordance with EPIP 1.5-20, Reentry and Recovery.

NOTE: The potential exists for more than one of the above situations to occur simultaneously, requiring the On-Shift Health Physics Technician to perform more than one function. The On-Shift Health Physics Technician will assess the severity of the situation and take the appropriate action.

4.0 ATTACHMENTS

None.

5.0 PROCEDURE CROSS REFERENCE

5.1 EPIP 1.5-11, Personnel Injuries.

5.2 EPIP 1.5-15, Search and Rescue.

5.3 EPIP 1.5-16, Fire.

5.4 EPIP 1.5-20, Reentry and Recovery.

5.5 EPIP 1.5-22, Manager of Radiological Consequence Assessment.

5.6 EPIP 1.5-26, Manager of Control Room Operations.

5.7 EPIP 1.5-29, Emergency Dosimetry Issue.

5.8 SUR 5.6-8, Radiological Surveys.

EPIP 1.5-33-C
Revision 5 (MAJOR)

DEC 15 1982

PLANT OPERATIONS REVIEW COMMITTEE APPROVAL

Connecticut Yankee
Emergency Plan Implementing
Procedure EPIP 1.5-33

SHIFT SUPERVISOR'S STAFF ASSISTANT

APPROVED BY STATION SUPERINTENDENT

EFFECTIVE DATE 12/15/82

1.0 PURPOSE

To provide guidelines for the activation and operation of radiopager incident notification equipment for the following situations:

- o During a plant emergency
- o Daily radiopager test
- o Monthly radiopager communications checks
- o Unscheduled recall drills for the Connecticut Yankee Emergency Response Organization.

2.0 RESPONSIBILITY

2.1 The Operations Shift Supervisor/Manager of the Control Room Operations (MCRO) shall ensure that a qualified Shift Supervisor's Staff Assistant (SSSA) is assigned to operate the radiopager equipment at all times.

2.2 The SSSA is responsible for operating the equipment in accordance with this procedure.

2.3 The SSSA will report via dedicated line to the Director of Station Emergency Operations (Director of SEO) via the Manager of Communications for recording and transmitting of incident messages when the Emergency Operations Center (EOC) is activated.

2.4 The Operations Shift Supervisor/MCRO is responsible for implementing this procedure.

3.0 ACTIONS

3.1 The SSSA when first coming on-shift will insure that the equipment, unless in use, is in the following conditions:

3.1.1 The top three (3) code-a-phones are recorded with the following message:

- "This is the Haddam Neck Control. At the tone leave your name, emergency function and estimated time of arrival."

NOTE: The top 3 code-a-phones are dedicated to CY Emergency Response Organization personnel.

3.1.2 The lower fifteen (15) code-a-phones are recorded with the following message:

"This is the Haddam Neck Control. Please call the Business Office during regular working hours."

3.1.3 Place all eighteen (18) code-a-phones in the answer only position.

3.2 For General Interest events (State of Connecticut Incident Posture Codes Golf, Fox, or Echo), the SSSA shall, when directed by the Operations Shift Supervisor:

3.2.1 Attempt to notify the Duty Officer via commerical telephone.

3.2.2 Use the following guidelines in completing the incident report form, (EPIP 1.5-2, Notification and Communication, Attachment 1) and preparing the incident message for release:

- Ensure all applicable information on the incident report form has been completed.
- Use only the number of lines provided for in the event description.
- Do not use abbreviations.
- Do not use technical jargon.
- Information on the form should be written in laymans language (preferably 6th grade level).

3.2.3 Erase each message recording tape and reset to zero.

3.2.4 Record CY employee reporting information on the top three (3) code-a-phones and place them in the ANSWER/RECORD position.

3.2.5 Record the incident report form message on the 15 lower code-a-phones using the programmer and place the indicator knob in the ANSWER/RECORD Position.

- o Dictate into the recorder at a speed that would allow individuals to write down the information provided.

- o Speak two (2) to three (3) words, pause, do a slow mental count to five.

3.2.6 Request permission to initiate the radiopage from the Operations Shift Supervisor.

3.2.7 Place the level selector toggle switch in the Level One position at the Centre-A-Com (Attachment 1).

3.2.8 Select the appropriate incident paging tape from the tape file which corresponds to the incident being reported and place in tape slot.

3.2.8.1 Nineteen prepared 10 second messages are available in the Control Room.

3.2.8.2 A tape recorder and seven blank tapes are available for other contingencies.

NOTE: Do not send page until code-a-phone recorders are programmed.

3.2.9 Adjust the volume control on the select audio speaker to 3/4 position.

3.2.10 Press the red "ALERT" button on the auto-page selection.

NOTE: Ensure the busy lights are not illuminated on the paging transmit/receive modules. If the busy lights are illuminated, wait until they are out before pressing the red "ALERT" button.

3.2.11 Monitor the tape by listening to the select audio speaker for proper tape selection.

3.2.11.1 If the tape is incorrect, press the white reset button to stop the auto-pager.

3.2.11.2 If the tape is correct, monitor each paging transmit/receive module for activation.

3.2.12 After each of the four paging transmit/receive modules have been activated, remove the tape from the tape slot and return it to the file.

3.2.13 Within 30 minutes review the tape recorders to ensure all Level One radiopager personnel have responded.

NOTE: If State Department of Environmental Protection (DEP) does not respond to page within the hour, call the 24 hour number at the State DEP office. Implement EPIP 1.5-2, Notification and Communication, (Attachment 5).

3.2.14 If the radiopager system is inoperable or fails, implement EPIP 1.5-2, Notification and Communication, (Attachment 5).

3.2.15 Retain telephone call-back recorder information on the tapes for at least one (1) hour after radiopage is initiated.

3.2.16 After one (1) hour, reset telephone call-back recorders. Be prepared to record a new incident report form message.

3.2.17 Forward copies of the incident report form(s) to the Emergency Plan Coordinator (EPC) for distribution. Copies of the incident report form(s) shall be mailed on a daily basis (within one working day) to Manager, Radiological Assessment Branch and Nuclear Emergency Planning Coordinator, Corporate Headquarters, Berlin. The original shall be forwarded to the Station Superintendent's secretary and a copy made for the SSSA's file.

3.2.18 After call-back verification has been completed and there are no update messages planned, and/or plant conditions have returned to normal, restore the equipment to the condition described in paragraph 3.1.

3.3 For an Unusual Event or Alert (State of Connecticut Incident Posture Code Delta-One, Delta-Two, Charlie-One), the SSSA shall, when directed by the Operations Shift Supervisor:

3.3.1 Attempt to notify the Duty Officer via commercial telephone.

3.3.2 Use the following guidelines in completing incident report form (EPIP 1.5-2, Notification and Communications, Attachment 1) and preparing the message for release.

- o Ensure all applicable information on the incident report form has been completed.
- o Use only the number of lines provided for in the event description.
- o Do not use abbreviations.
- o Do not use technical jargon.

DEC 15 19

- o Information on the form should be written in laymans language (preferably 6th grade level).

3.3.3 Erase each message recording tape and reset to zero.

3.3.4 Record CY employee reporting information on the top three (3) code-a-phones and place them in the ANSWER/RECORD position.

3.3.5 Record the incident report form message on the 15 lower code-a-phones using the programmer and place the indicator knob in the ANSWER/RECORD Position.

- o Dictate into the recorder at a speed that would allow individuals to write down the information provided.

- o Speak two (2) to three (3) words, pause, do a slow mental count to five.

3.3.6 Request permission to initiate the radiopage from the Operations Shift Supervisor.

3.3.7 Place the level select toggle switch in the Level Two position at the Centre-A-Com (Attachment 1).

3.3.8 Select the appropriate incident paging tape from the tape file which corresponds to the incident being reported and place in tape slot.

3.3.8.1 Nineteen prepared 10 second messages are available in the Control Room.

3.3.8.2 A tape recorder and seven blank tapes are available for other contingencies.

NOTE: Do not send page until code-a-phone recorders are programmed.

3.3.9 Adjust the volume control on the select audio speaker to 3/4 position.

3.3.10 Press the red "ALERT" button on the auto-pager section.

NOTE: Ensure the busy lights are not illuminated on the paging transmit/receive modules. If the busy lights are illuminated, wait until they are out before pressing the red "ALERT" button.

3.3.11 Monitor the tape by listening to the select audio speaker for proper tape selection.

3.3.11.1 If the tape is incorrect, press the white reset button to stop the auto-pager.

3.3.11.2 If the tape is correct, monitor each paging transmit/receive module for activation.

3.3.12 After each of the four paging transmit/receive modules have been activated, remove the tape from the tape slot and return it to the file.

3.3.13 Within 30 minutes review the tape recorders to ensure all Level Two radiopager personnel have responded.

3.3.13.1 Attempt to contact local communities not responding to radiopage via commercial telephone. Implement EPIP 1.5-2, Notification and Communication, (Attachment 5).

3.3.13.2 Request assistance from appropriate Connecticut State Police Barracks for local communities not responding (Attachment 4).

3.3.14 If the radiopager system is inoperable or fails, implement EPIP 1.5-2, Notification and Communication, (Attachment 5).

3.3.15 Change update messages on recorder every 30-60 minutes as necessary or upon incident posture code change.

NOTE: The system has the capability to be used for 15 minute updates, if incident posture codes change that rapidly.

3.3.16 If update messages are planned, read the message into the 15 code-a-phones using the programmer. Verification of Level Two response personnel is not required.

3.3.17 Forward copies of the incident report form(s) to the EPC for distribution. Copies of the incident report form(s) shall be mailed on a daily basis (within one working day) to Manager, Radiological Assessment Branch and Nuclear Emergency Planning Coordinator, Corporate Headquarters, Berlin. The original shall be forwarded to the Station Superintendent's secretary and a copy made for the SSSA's file.

3.3.18 After call-back verification has been completed and there are no update messages planned, and/or plant conditions have returned to normal, restore the equipment to the condition described in paragraph 3.1.

DEC 15 1982

3.4 For Site Area Emergency and/or General Emergency (State of Connecticut Incident Posture Code Charlie-Two, Bravo, and Alpha), the SSSA shall record the incident report form (EPIP 1.5-2, Notification and Communication, Attachment 1) information as provided by the Manager of Communications.

NOTE: The Director of SEO shall approve the incident report form information prior to release to the SSSA.

3.4.1 Use the following guidelines in completing the incident report form and preparing the message for release.

- o Ensure all applicable information on the incident report form has been completed.

3.4.2 Erase each message recording tape and reset to zero.

3.4.3 Record CY employee reporting information on the top three (3) code-a-phones and place them in the ANSWER/RECORD position.

3.4.4 Record the incident report form message on the 15 lower code-a-phones using the programmer and place the indicator knob in the ANSWER/RECORD Position.

- o Dictate into the recorder at a speed that would allow individuals to write down the information provided.

- o Speak two (2) to three (3) words, pause, do a slow mental count to five.

3.4.5 Request permission to initiate the radiopage from the Director of SEO.

3.4.6 Place the level select toggle switch in the Level Two position at the Centre-A-Com (Attachment 1).

3.4.7 Select the appropriate incident paging tape from the tape file which corresponds to the incident being reported and place in tape slot.

3.4.7.1 Nineteen prepared 10 second messages are available in the Control Room.

3.4.7.2 A tape recorder and seven blank tapes are available for other contingencies.

NOTE: Do not send page until code-a-phone recorders are programmed.

3.4.8 Adjust the volume control on the select audio speaker to 3/4 position.

3.4.9 Inform the Director of SEO when the radiopage is ready to be initiated.

3.4.10 Press the read "ALERT" button on the auto-pager section.

NOTE: Ensure the busy lights are not illuminated on the paging transmit/receive module. If the busy lights are illuminated, wait until they are out before pressing the red "ALERT" button.

3.4.11 Monitor the tape by listening to the select audio speaker for proper tape selection.

3.4.11.1 If the tape is incorrect, press the white reset button to stop the auto-pager.

3.4.11.2 If the tape is correct, monitor each paging transmit/receive module for activation.

3.4.12 After each of the four paging transmit/receive modules have been activated, remove the tape from the tape slot and return it to the file.

3.4.13 Within 30 minutes, review the tape recorders to ensure all Level Two radiopager personnel have responded.

3.4.13.1 Attempt to contact local communities not responding to radiopage via commercial telephone. Implement EPIP 1.5-2, Notification and Communication, (Attachment 5).

3.4.13.2 Request assistance from appropriate Connecticut State Police Barracks for local communities not responding (Attachment 4).

3.4.14 If the radiopager system is inoperable or fails, implement EPIP 1.5-2, Notification and Communication, (Attachment 5).

3.4.15 Change update messages on recorder every 30-60 minutes as necessary or upon incident posture code changes.

NOTE: The system has the capability to be used for 15 minute updates, if incident posture codes change that rapidly.

3.4.16 If update messages are planned, read the message into the 15 code-a-phones using the programmer. Verification of Level Two response personnel is not required.

3.4.17 Forward copies of the incident report form(s) to the EPC for distribution. Copies of the incident report form(s) shall be mailed on a daily basis (within one working day) to Manager, Radiological Assessment Branch and Nuclear Emergency Planning Coordinator, Corporate Headquarters, Berlin. The original shall be forwarded to the Station Superintendent's secretary and a copy made for the SSSA's file.

3.4.18 After call-back verification has been completed and there are no update messages planned, and/or plant conditions have returned to normal, restore the equipment to the condition described in paragraph 3.1.

3.5 An individual page can be accomplished (Attachment 2) in the event of an emergency as follows:

3.5.1 Select desired radiopager number (Attachment 3).

3.5.2 Use the push button pad on the page encoder panel to insert the selected radiopager number.

3.5.3 Select the appropriate transmit module (green button) that the page is to go out on. Ensure that the selected module is not in use.

- o Chapel Hill
- o South Mtn.
- o Talcott Mtn.
- o Goose Hill

3.5.4 Depress the call button on encoder push button pad to send the radiopage, observe the call lamp illuminated.

3.5.5 When green "talk light" illuminates, depress the red transmitter button on the right side front treadle to send message.

3.5.6 When message is complete, depress the reset push button pad on radiopage encoder.

3.4.7 To cancel a radiopage call, depress the white reset button to stop the radiopage.

3.6 Radiopager Testing

3.6.1 The Level Two radiopager system will be tested daily using the following schedule:

- o Monday, Wednesday, Friday 7 p.m.
- o Tuesday, Thursday, Saturday, 11 a.m.

NOTE: Daily tests will be conducted within five minutes of the designated times.

3.6.2 A monthly communication check of the Level Two radiopager and call-back verification will be conducted.

3.6.2.1 The first Wednesday of each month is designated as the drill day.

3.6.2.2 If a public holiday is on the first Wednesday, the drill will be conducted on the first Thursday.

3.6.2.3 The drill will be conducted at 2:00 p.m.

3.6.2.4 The prerecorded radiopager message for a Charlie-One drill will be used (Attachment 5).

3.6.2.5 The top 3 code-a-phones shall be prerecorded with the following message:

"This is a drill. This is Haddam Neck Plant Control. There is a radiopager communications drill in progress. At the tone leave your name and emergency function. This is a drill".

3.6.2.6 The SSSA will request that the Operations Shift Supervisor pass over the Site Public Address System the following:

"This is a drill. There is a radiopager communications drill in progress, those Emergency Response Organization personnel required to respond, call in. This is a drill".

3.7 Connecticut Yankee ONLY Drills

3.7.1 The two position switch on the Centre-A-Com console provides Connecticut Yankee with the capability of normal operations and/or Connecticut Yankee ONLY Emergency Response Organization recall drills.

NOTE: The two position switch shall remain in the NORMAL POSITION except when conducting a Connecticut Yankee ONLY drill.

- The level toggle switch may be placed in either position (Level One/Level Two) depending on recall drill requirements.

DEC 15 1982

- o Only Connecticut Yankee Emergency Respone Organization personnel will respond.

3.7.2 Drills for Connecticut Yankee Emergncy Response Organization may be initiated from the SSSA's Centre-A-Com console in the Control Room. To initiate a CY ONLY drill, the SSSA shall complete the following:

- o Place the two position switch in the Connecticut Yankee ONLY position. Follow steps in section 3.3.4 through 3.3.13 except that the lower 15 Code-A-Phones are not programmed.
- o Record the message provided by person initiating the drill.
- o Within 30 minutes after the drill message has been sent, review the tape recorders to ensure all Level Two personnel have responded. Complete appropriate response forms.
- o Restore the communications equipment to the condition described in paragraph 3.1.

3.8 Medical Emergencies

3.8.1 For medical emergencies involving station personnel, the SSSA will, when directed by the Operations Shift Supervisor/MCRO implement EPIP 1.5-11, Personnel Injuries.

3.9 The SSSA will request, via the emergency call list, engineering assistance as deemed necessary by the Manager of Technical Support/Shift Technical Advisor.

NOTE: The responsibility for emergency call-ins will become the Manager of Onsite Resources when the Emergency Operations Center (EOC) is activated.

3.10 For Radiopager System service call during the day. All other times, Convex

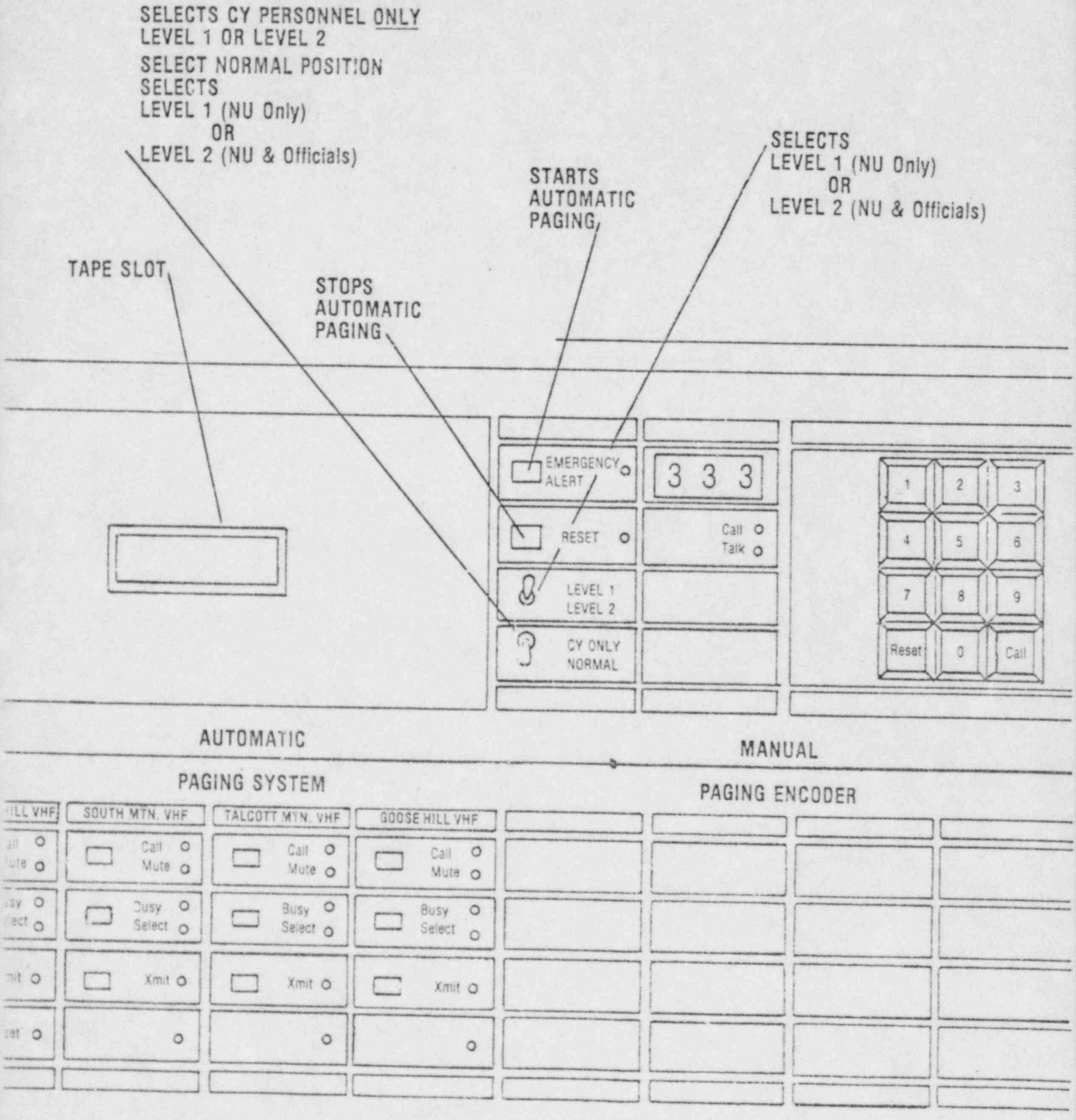
4.0 ATTACHMENTS

5.0 PROCEDURE CROSS REFERENCE

5.1 EPIP 1.5-2, Notification and Communication.
5.2 EPIP 1.5-3, Notification of Unusual Event.
5.3 EPIP 1.5-4, Alert.
5.4 EPIP 1.5-5, Site Area Emergency.
5.5 EPIP 1.5-6, General Emergency.
5.6 EPIP 1.5-11, Personnel Injuries.
5.7 EPIP 1.5-24, Manager of Communications.
5.8 EPIP 1.5-26, Manager of Control Room Operations.
5.9 EPIP 1.5-27, Manager of Onsite Resources.
5.10 EPIP 1.5-28, Manager of Technical Support.

ATTACHMENT 1

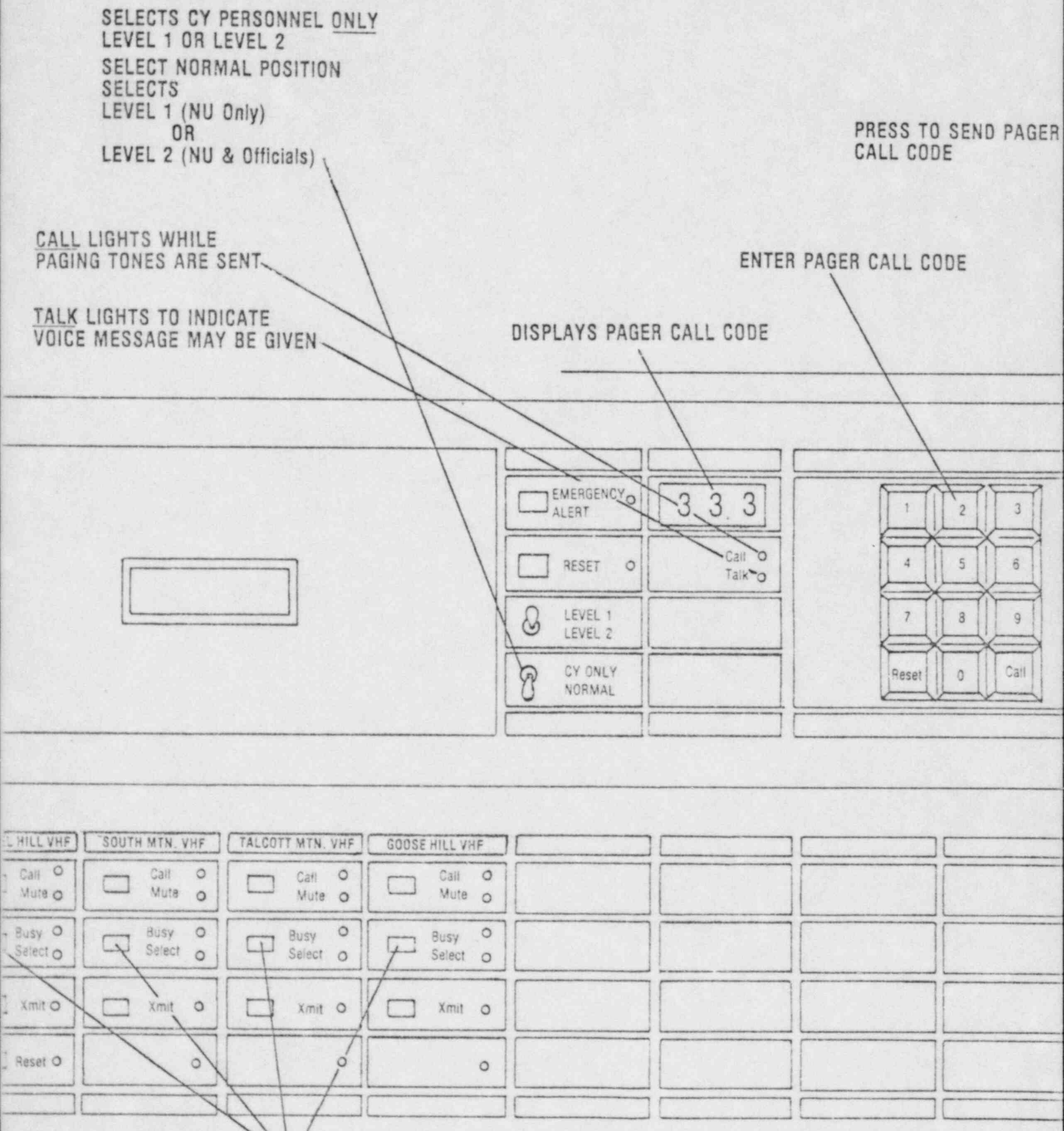
AUTO-PAGE



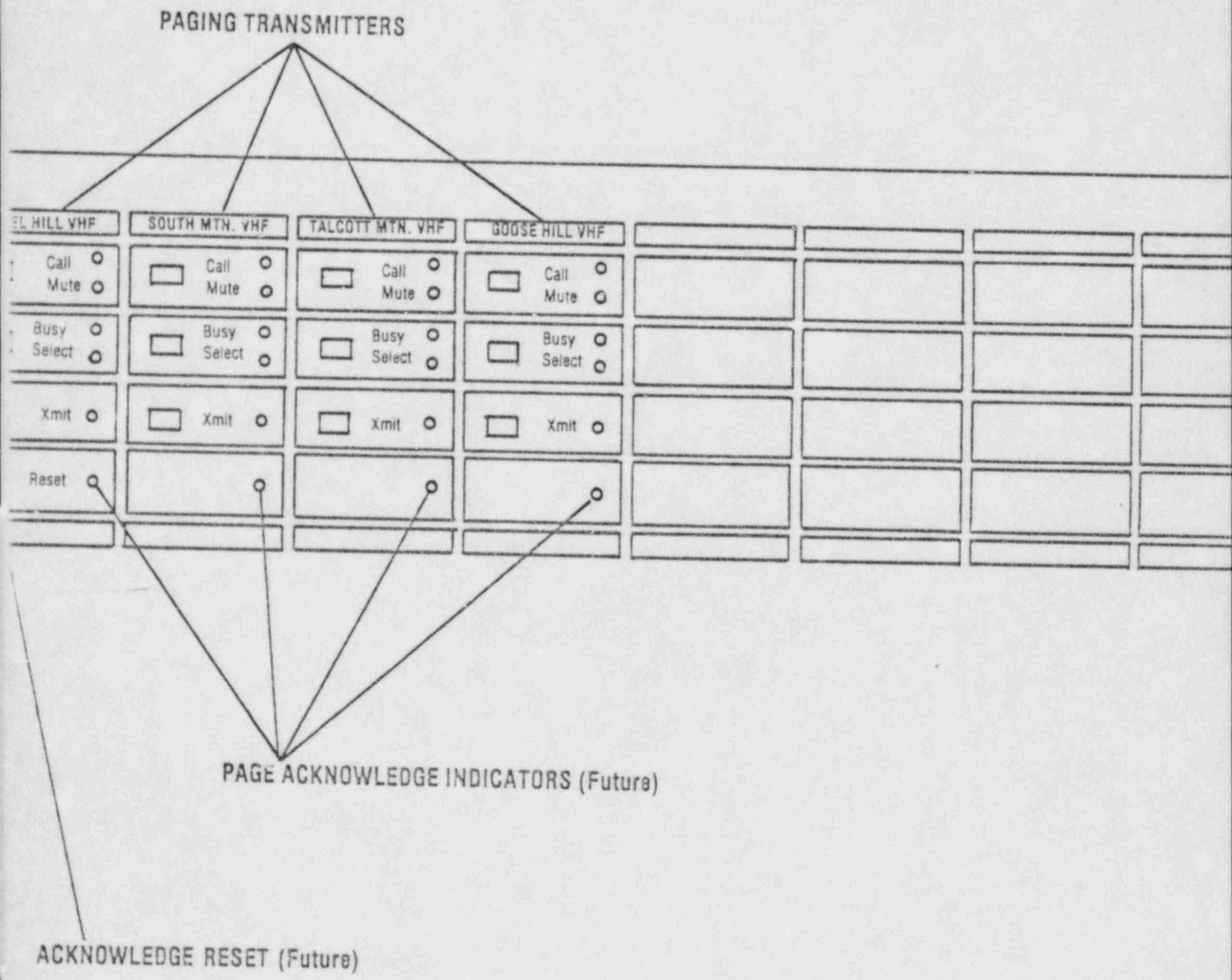
ATTACHMENT 2

DEC 1 5 1982

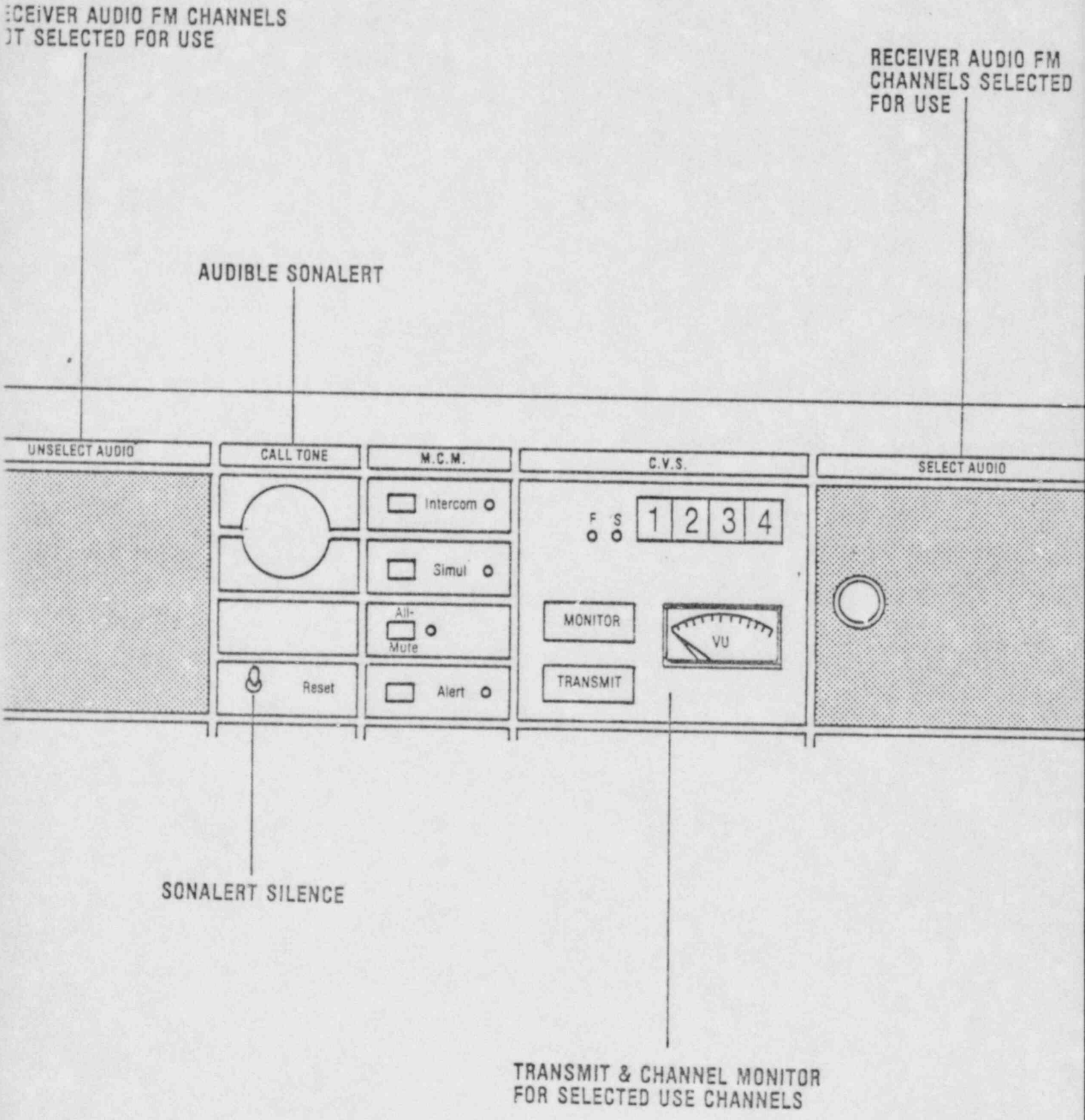
MANUAL PAGE



ATTACHMENT 2 (Cont'd)



ATTACHMENT 2 (Cont'd)



DEC 15 1992

ATTACHMENT 3

List of Individual/Group Page Numbers

Group O

NUSCO and State Level One

Name or Title	Individual Code/Group Code
L. F. Sillin	
W. B. Ellis	
W. F. Fee	
W. G. Counsil	
J. P. Cagnetta	
J. F. Opeka	
T. J. Dente	
State DEP	
NUSCO Nuclear Operations Duty Officer	
NUSCO Public Affairs Duty Officer	
Nuclear Emergency Planning Coordinator	
Chief, Radiological Assessment Branch	

ATTACHMENT 3 (Cont'd)

List of Individual/Group Page Numbers

Group 1

NUSCO Level Two

Name or Title	Individual Code/Group Code
Director, Corporate Emergency Operations Center	
Manager, External Communications	
Manager, Technical Support	
Electrical Engineering Support Team	
Core Thermal/Hydraulic Engineering Support Team	
Mechanical Engineering Support Team	
Manager, Resources	
Manager, Radiological Consequences Assessment	
Meteorological Team	
Environmental Team	
Backup Public Affairs Duty Officer	

ATTACHMENT 3 (Cont'd)

List of Individual/Group Page Number

Group 5

Millstone, Connecticut Yankee, State and Local Community Level Two

Name or Title	Individual Code/Group Code
Lyme	
Hartford State Police	
Westbrook State Police (Troop F)	
State DEP	
State Office of Civil Preparedness	
Meriden State Police	
Governor's Office	

DEC 15 1992

ATTACHMENT 3 (Cont'd)

List of Individual/Group Page Numbers

Group 6

Connecticut Yankee Station Level One

Name or Title	Individual Code/Group Code
Station Superintendent/R. H. Graves	
Unit Superintendent/J. H. Ferguson	
Station Services Superintendent/R. Z. Test	
Training Supervisor/S. T. Fleming	
Chemistry Supervisor/M. D. Quinn	
NRC Resident Inspector/T. Rebelowski	

ATTACHMENT 3 (Cont'd)

List of Individual/Group Page Numbers

Group 7

Connecticut Yankee Station Level Two

Name or Title	Individual Code/Group Code
Manager of Communications	
Manager of On-Site Resources	
Manager of Radiological Consequences Assessment	
Manager of Radiological Dose Assessment	
Manager of Public Information (Connecticut Yankee and Millstone Level Two)	
Electrical Maintenance	
Mechanical Maintenance	
I&C Specialist	
HP Technician	
Radiological Monitoring Team Members	

*Manager of Security (Security Shift Supervisor is on site 24 hour/per day).

ATTACHMENT 3 (Cont'd)

DEC 1 5 1992

List of Individual/Group Page Number

Group 8

Connecticut Yankee Local Communities Level Two

Name or Title	Individual Code/Group Code
Chester	
Colchester	
Deep River	
Durham	
East Haddam	
East Hampton	
Essex	
Haddam	
Hebron	
Killingworth	
Madison	
Marlborough	
Middlefield	
Middletown	
Portland	
Salem	
Westbrook	
Colchester State Police (Troop K)	

ATTACHMENT 4

CONNECTICUT STATE POLICE (CSP) CONTACT POINTS

HADDAM NECK

Colchester CSP Barracks (Troop K)
Via Hotline
Colchester
East Haddam
East Hampton
Hebron
Marlborough
Portland
Salem

Westbrook CSP Barracks (Troop F)
Via Telephone: 399-6221
Chester
Deep River
Durham
Essex
Haddam
Killingworth
Lyme
Madison
Middlefield
Middletown
Westbrook

NOTE: This list is to be used AFTER Station attempt to contact local communities by telephone.

ATTACHMENT 5

Prerecorded Radiopager Message
For
Charlie-One Drill

"This is the Haddam Neck Control.

This is a Drill.

A State of Connecticut Incident Posture Code Charlie-One is in progress.

This is a Drill.

Call in for more information."

EPIP 1.5-34-C
Rev. 2 (MAJOR)

DEC 15 1982

PLANT OPERATIONS REVIEW COMMITTEE APPROVAL

Connecticut Yankee
Emergency Plan Implementing
Procedure EPIP 1.5-34

APPROVED BY STATION SUPERINTENDENT

EFFECTIVE DATE 12/15/82

EMERGENCY TELEPHONE TESTING

1.0 PURPOSE

To provide instructions for testing of the Station emergency telephone communication system to ensure that the installed emergency telephone system will be ready for use in the event of an emergency.

2.0 RESPONSIBILITY

2.1 The NUSCO Radiological Assessment Branch (RAB) shall be responsible for initiating the offsite monthly Emergency Telephone Testing and for the quarterly verification of the offsite agency/support organization telephone number list.

2.2 The following Station Supervisors are responsible for designating personnel to participate in the monthly Emergency Telephone Test and making the appropriate entry in the Emergency Operations Center (EOC) Emergency Telephone Testing log book and the Shift Supervisor's Staff Assistants log book.

- Operations Supervisor/Designee
  - Control Room
  - Technical Support Center (TSC)
- Health Physics Supervisor/Designee
  - Emergency Operations Facility (EOF)
  - Emergency Operations Center (EOC)

2.3 The completed Emergency Telephone Testing check list (computer print of Attachments 1 and 2) shall be submitted within two (2) working days to the Station Emergency Plan Coordinator (EPC) for review. The EPC shall initiate action to correct any discrepancies in the emergency telephone system. The EPC shall deliver the list to the Station Nuclear Records Supervisor for appropriate filing.

2.4 The Administrative Office Supervisor is responsible for reporting all problems to SNETCO for immediate repairs.

3.0 ACTION

3.1 The monthly Emergency Telephone Testing shall be conducted on the first Wednesday of each month. NUSCO RAB will notify the Station prior to initiating the test.

NOTE: If a holiday occurs on the first Wednesday, the test shall be conducted on the first Thursday of the month. NUSCO RAB will notify the Station prior to initiating the test.

3.2 The Emergency Telephone Testing shall be conducted from the Control Room, TSC, EOF, and EOC utilizing Attachment 1 (EOF/EOC) and 2 (CR/TSC) (or a computer print) as appropriate.

3.2.1 Record results of test (√) Yes/No. In the Comments section of the checklist provide a brief description of the results of the Emergency Telephone Testing.

3.2.2 The following items will be observed and/or checked as applicable during the testing:

- o Verify that a ring can be heard over the telephone line.
- o Verify a good connection is made on all calls.
- o Verify that the bell rings on each telephone.
- o Verify that the ring light illuminates on hot line telephones.
- o Ensure that incoming and outgoing calls can be made from each telephone.

Note: N/A shall be used where applicable.

3.3 Notify the Administrative Office Supervisor and EPC if discrepancies are noted.

3.4 Upon completion of the Emergency Telephone Testing validate the report with your name, title and date. Make appropriate log entry. Forward the report to the EPC for review and submission to the Station Nuclear Records Supervisor.

4.0 ATTACHMENTS

	Title	Page
1.	Emergency Telephone and Hotline Testing from EOF/EOC.	

2. Emergency Telephone and Hotline Testing from Control Room and TSC.

5.0 PROCEDURE CROSS REFERENCE

5.1 CONI 10.01, Emergency and Telephone Communication Test Procedure.

ATTACHMENT 1

EMERGENCY TELEPHONE TESTING

MONTHLY TEST: STATION EOF/EOC TELEPHONES

UNRESTRICTED OFFSITE TELEPHONE LINES FROM	OUTGOING CALL						INCOMING CALL					
	RING		CONNECTION		LIGHT		RING		CONNECTION		LIGHT	
EOC	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
NOR TOI												
NRC OFFICE												
NRC OPF RM												
OFFICE-OSED												
MET OT DR												
FAX												
EES?												
VRCA												
VRDA												
ADS												
VPI												
STE?												

ATTACHMENT 1 (CONT.)

EMERGENCY TELEPHONE TESTING

MONTHLY TEST: HOT LINES FROM EOC

DEDICATED TELEPHONES	OUTGOING CALL						INCOMING CALL					
	RING		CONNECTION		LIGHT		RING		CONNECTION		LIGHT	
	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
OSEO-CDEO												
OSEO-TSC												
MOC-CRM												
MOC-TSC												
MOC-CMEC												
MOC-SSSA												
MRCA-CMRCA												
MRDA-CMRCA												
MRCA/MRDA-MRC(MPN)												
MDR-CMR												
NSEC												
MPI-SEOC												
MEDIA CTR												
CMPI												
SDEP(EOC)-SEOC												
NRC DHF.EOC-NRC(ENS)												

ATTACHMENT 1 (CONT.)

EMERGENCY TELEPHONE TESTING

ACRONYM LIST

CDEO	CORPORATE DIRECTOR OF EMERGENCY OPERATIONS
CMEC	CORPORATE MANAGER OF EXTERNAL COMMUNICATIONS
CMPI	CORPORATE MANAGER OF PUBLIC INFORMATION
CMR	CORPORATE MANAGER OF RESOURCES
CMRCA	CORPORATE MANAGER OF RADIOLOGICAL CONSEQUENCES ASSESSMENT
CRM	CONTROL ROOM
SDEP	STATE DEPARTMENT OF ENVIRONMENTAL PROTECTION
DSEO	DIRECTOR OF STATION EMERGENCY OPERATIONS
EESR	EMERGENCY EQUIPMENT STORAGE ROOM
ENS	EMERGENCY NOTIFICATION SYSTEM
EOC	EMERGENCY OPERATIONS CENTER
FAR	FIRST AID ROOM
HPN	HEALTH PHYSICS NOTIFICATION
MET DT DK	METEOROLOGICAL DATA DESK
MGR BRF RM	MANAGER BRIEFING ROOM
MOC	MANAGER OF COMMUNICATIONS
MOR	MANAGER OF RESOURCES
MOS	MANAGER OF SECURITY
MPI	MANAGER OF PUBLIC INFORMATION
MRCA	MANAGER OF RADIOLOGICAL CONSEQUENCES ASSESSMENT
MRDA	MANAGER OF RADIOLOGICAL DOSE ASSESSMENT
NSEC	NEAR SITE EVACUATION CENTER
NRC	NUCLEAR REGULATORY COMMISSION
SEOC	STATE EMERGENCY OPERATIONS CENTER
SSSA	SHIFT SUPERVISOR'S STAFF ASSISTANT
TSC	TECHNICAL SUPPORT CENTER

COMMENTS: DESCRIBE RESULTS OF EMERGENCY TELEPHONE TEST.

TESTING INSTRUCTIONS: COMPLETE THIS CHECK LIST IN ACCORDANCE WITH THE INSTRUCTIONS SET FORTH IN PROCEDURE EPIP#1.5-34.

PERFORMED BY_____ DATE_____
RP

REVIEWED BY_____ DATE_____
EPC

ATTACHMENT 2

EMERGENCY TELEPHONE TESTING

MONTHLY TEST: HOT LINES FROM CR/TSC

DEDICATED PHONES	OUTGOING CALL						INCOMING CALL					
	RING		CONNECTION		LIGHT		RING		CONNECTION		LIGHT	
	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
CRM-NRC(ENS) BETHESDA												
CSP COLCHESTER												
OCEOC												
MOC												
UPS SUP/ TSC												
CONVEX												
SSA-CSP												
NRC(ENS)												
MOC												
TSC 267-8396												
TSC-CTSC												
NRC(ENS) BETHESDA												
MOC												
USED												
CRM/SS												

ATTACHMENT 2 (CONT.)

EMERGENCY TELEPHONE TESTING

ACRONYM LIST

CONVEX	CONNECTICUT VALLEY EXCHANGE
CRM	CONTROL ROOM
CRM/SS	CONTROL ROOM/SHIFT SUPERVISOR
CSP	CONNECTICUT STATE POLICE
CTSC	CORPORATE TECHNICAL SUPPORT CENTER
DCEOC	DIRECTOR OF CORPORATE EMERGENCY OPERATIONS CENTER
DSEO	DIRECTOR OF STATION EMERGENCY OPERATIONS
ENS	EMERGENCY NOTIFICATION SYSTEM
MOC	MANAGER OF COMMUNICATIONS
NRC	NUCLEAR REGULATORY COMMISSION
OPS SUP	OPERATIONS SUPERVISOR
SSSA	SHIFT SUPERVISOR'S STAFF ASSISSTANT
TSC	TECHNICAL SUPPORT CENTER

COMMENTS: DESCRIBE RESULTS OF EMERGENCY TELEPHONE TEST.

TESTING INSTRUCTIONS: COMPLETE THIS CHECK LIST IN ACCORDANCE WITH THE INSTRUCTIONS SET FORTH IN PROCEDURE EPIP#1.5-34.

PERFORMED BY_____ DATE_____
SSSA

REVIEWED BY_____ DATE_____
EPC