

VERMONT YANKEE EMERGENCY PLAN

IMPLEMENTING PROCEDURES

November 5, 1981

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Dept. Supv.	<i>R. Bragdon</i>	Proc. No.	A.P. 3125
FORC	<i>R. Bragdon</i>	Rev. No.	2
Plant Supt.	<i>R. Bragdon</i>	Issue Date	10-21-81
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EMERGENCY PLAN CLASSIFICATION AND ACTION LEVEL SCHEME

Purpose:

To describe how operators recognize plant operations that require a level of the Vermont Yankee Power Station Emergency Plan to be initiated.

Discussion:

Operators are trained so that when they sense that plant operations are off-normal or exceeding administrative controls, they have cause to refer to emergency operating procedures which will subsequently refer them to this procedure if necessary.

This procedure in table form, qualifies nine categories of plant operation or status that includes relevant "Initiating Conditions" to Vermont Yankee, that are set forth in Appendix I of NUREG-0654, Rev. 1 (Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants), and all postulated accidents in the FSAR (Final Safety Analysis Report).

The table assigns four classes of Emergency Action Level Operating Procedures to each of the nine categories:

1. Unusual Event O.P. 3500
2. Alert O.P. 3501
3. Site Area Emergency O.P. 3502
4. General Emergency O.P. 3503

The rationale of the four levels of action for these specific categories is to qualify for the operators those minor events which could lead to more serious consequences given operator error or equipment failure or which might be indicative of more serious conditions which are not yet fully realized.

The graduation from Unusual Event through Alert, Site Area Emergency, to General Emergency is provided to qualify response preparations for more serious indicators.

The definitions of Emergency Classifications are: 1) Unusual Event Unusual events are in process or have occurred which indicate a potential degradation of the level of safety of the plant. No releases of radioactive material requiring off-site response or monitoring are expected unless further degradation of safety system occurs.

2) Alert Events are in process or have occurred which involve an actual or potential substantial degradation of the level of safety of the plant and could affect on-site personnel, may require off-site impact assessment, but is not likely to require off-site public protection action.

3) Site Area Emergency Events are in process or have occurred which involve actual or likely major failures of plant functions needed for protection of the public.

4) General Emergency Events are in process or have occurred which involve actual or imminent substantial core degradation or melting with potential for loss of containment integrity.

The responsibility and authority for classifying the level of emergency is assigned to the Shift Supervisor, or in his absence from the Control Room, to the Supervisory Control Room Operator.

The following table is attached:

Table I Table of Categories and Events

References:

- A. Tech. Specs.
 - 1. All Tech. Specs. referred to in Table I.
- B. Admin. Limits
 - 1. None
- C. Other
 - 1. Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants (NUREG-0654)
 - 2. Final Safety Analysis Report (FSAR)
 - 3. Plant Operating Procedure

Procedure:

- 1. Refer to Table I and read down the left column to determine in which of the nine categories the off-normal event falls.
- 2. Then read across Table I from left to right to the one of four descriptions that best matches the event.
- 3. After determining which description is applicable to the event, trace up the column to the top of the table where the Level of the Emergency and the number of the appropriate operating procedure is indicated.
- 4. Go to the indicated Emergency Operating Procedure.
- 5. The Shift Supervisor and/or Supervisory Control Room Operator in making the classification determination should request assistance from any source immediately available (Security, Chemistry & Health Physics, I & C, Maintenance, Engineering Support, etc.). Input from these sources must be prompt, informal, and advisory in nature.

6. Request the on-shift Chemistry and Health Physics Tech. to perform O.P. 3513 (Subsequent Evaluation of Off-Site Radiological Conditions) until the Emergency Operating Facility is manned.
7. Utilize the on-shift Nuclear Safety Engineer for operational support.
8. Changing conditions may require escalation of the Emergency Classification Level to a more severe level. Assess conditions periodically and be prepared to initiate this escalation.

MDL/emr

Events Category	Unusual Event Refer to O.P. 3500	Alert Refer to O.P. 3501	Site Area Emergency Refer to O.P. 3502	General Emergency Refer to O.P. 3503
1. Radiological Conditions	>Tech Spec limit for gaseous or liquid effluent.	>10 x Tech Spec limit for gaseous or liquid effluents OR unplanned or unexpected area radiation >1000 x normal OR AOG system rupture with release to AOG Bld.	Site Boundary whole body dose rates exceed 50 mR/hr for >2 minutes as determined by direct field monitoring or from plant vent stack high range monitor correlation.	Site boundary whole body dose rates exceed 1 R/hr as determined by direct field monitoring or from plant vent stack high range monitor correlation.
2. Fuel Damage	Main steam line high rad. isol. timer trip OR > Tech Spec limit for rx coolant iodine.	SJAE w/fgas activity >5 ci/sec OR sampled rx coolant iodine activity >300 uci/cc OR damaged irr. fuel assembly with release of radioactivity to Rx Bld.	Degraded core as indicated by cont. rad. mon. reading >1000 mR/hr or unable to maintain rx water level >-48" OR major irr. fuel damage with release to Rx Bld. with >10 x refuel floor or RB vent mon. trip levels OR spent fuel pool water below top of spent fuel.	Loss of 2 of 3 fission product barriers with potential loss of the 3rd.
3. Loss of Coolant	>Tech Spec limit for ident. or unident. containment leakage OR stuck open safety or safety relief valve.	ECCS initiated and injecting to Rx vessel OR >50 gpm primary cool. leak in cont. OR primary cool. line break outside primary, cont. with isolation.	Loss of primary coolant outside primary containment without isolation.	Loss of all normal rx makeup sys. (cond. feedwtr, HPCI, RCIC, CRD, RHR and Core Spray) AND fuel melt is imminent.
4. Fire	Any on-site or in-plant fire not extinguished within 10 minutes.	Any on-site fire which affects or potentially affects safety system functions.	Fire degrading safety systems such that ALL high press. or low press. injec. systems are defeated.	
5. Natural Phenomenon	Any earthquake sensed or river level <212' or >235' OR winds >75 mph OR on-site tornado.	Earthquake or tornado resulting in damage to in-plant sys. or struc. OR severe lightning which disable safety sys. func. OR river level <200' or >250" OR winds >100 mph (hurricane or tornado).		
6. Loss of Power Supplies	Loss of off-site power OR loss of on-site power capability in other than cold shutdown.	Loss of all AC or all 125 VDC power (see site area emer. for extended loss).	Loss of all AC or all 125 VDC power for greater than 15 minutes.	
7. Loss of Syst. or Equip.	Any loss of sys. or equip. requiring a plant shutdown in accordance with Tech Specs.	Complete loss of any function needed for cold shutdown OR complete loss of CR annun. OR failure to complete a scram (Rx remains critical).	Complete loss of any funct. necessary for plant hot shutdown OR loss of CR alarms during transient.	Failure to complete a scram AND failure to trip Recirc pumps AND fuel cladding failure is imminent.
8. Other Hazards	Any near or on-site train derailment or tank truck accident with potential or actual release of toxic, hazard. or flam. chemical or gas OR any unusual aircraft activity over facility or on-site plane crash.	Any crash impact or explosion which results in damage to in-plant syst. or struc. OR entry of toxic or flam. gas into vital areas OR turbine fail. resulting in casing penetration.	Any crash impact or explosion which renders safe shutdown equip. inop. OR entry of toxic or flam. gas into area where lack of access constitutes a safety problem.	
9. Other Conditions	Transp. of contaminated injured personnel to off-site medical facility OR conditions warranting increased off-site awareness and plant staff notification.	Evacuation of the CR anticipated or required OR any event warranting activation of TSC and EOF.	Evac. of the CR without control of shutdown syst. within 15 min. OR imminent or actual loss of physical control of the plant OR any condition warranting initiation of off-site monit. and public notif.	

TABLE I

Dept. Supv.	<i>E. J. Baird</i>	Proc. No.	O.P. 3712
PORC		Rev. No.	5
Plant Mgr.	<i>W. J. Murphy</i>	Issue Date	10/28/81
Mgr. of Ops.	<i>E. J. Baird</i>	Review Date	10/28/83

EMERGENCY PLAN TRAINING

Purpose:

To set forth Emergency Plan training requirements for the Emergency Coordinators, Plant Emergency Directors, Emergency Assistance Personnel, Emergency Medical Team Members and Fire Brigade Members.

Additionally, this procedure will outline the training for Local Fire Department Personnel and Local Medical Support Personnel.

Discussion:

The Emergency Coordinators, Plant Emergency Directors and Emergency Assistance Personnel receive general training in the overall emergency plans and specific training for each of their assignments during an Unusual Event, Alert, Site Area, or General Emergency.

Additionally, the Emergency Coordinators and Radiological Assistants will participate in classroom exercises (drills) evaluating various meteorological conditions and selected Emergency Assistance Personnel will receive additional training through the use of Mini-Drills.

The Security Force will receive training in the use of radiation detection instruments, other equipment they would be expected to use during a radiological emergency, and O.P. 3524, Emergency Actions by Plant Security Personnel.

The Emergency Medical Team Members in addition to the general and specific emergency plans training receive certification in American Red Cross Advanced First Aid and Emergency Care and CPR.

Local Medical Support Personnel receive training in Basic Radiation Protection, personnel and equipment decontamination, use of radiation instruments, establishing radiation and contamination control areas and biological sampling.

Additionally, both the Emergency Medical Team and the Local Medical Support Personnel will participate in an annual Medical Drill.

Plant Fire Brigade Members and Commanders, in addition to the general and specific emergency plans training, receive fire fighting training in accordance with A.P. 3723, Fire Training.

While it may be desirable to train Local Fire Department Members in various aspects of the emergency plans, it is also understood that they will be continually escorted while in the plant. Therefore, training of this group will be on a time-available basis.

Repair and Damage Control Teams are made up of individuals that are qualified by job related experience and by training as Emergency Assistance Personnel.

This training will be conducted on an annual basis.

References:

- A. Tech. Spec.
 - 1. None
- B. Admin. Limits
 - 1. None
- C. Other
 - 1. O.P. 3524, Emergency Actions by Plant Security Personnel
 - * 2. A.P. 3723, Fire Training
 - * 3. A.P. 0700, Plant Staff Training
 - * 4. A.P. 0834, Plant Record Retention

Prerequisites:

- 1. None

Procedure:

Procedure Sections I, II, III, V, VIII will be the responsibility of the Training Department. Procedure Section IV will be the responsibility of the Medical Service/Safety Coordinator. Procedure Section VI will be the responsibility of the Security Supervisor. Procedure Sections VII and X will be the responsibility of the Chemistry and Health Physics Department, and procedure Section IX will be the responsibility of the Public Relations Department.

I. Emergency Coordinators and Radiological Assistant Training

- A. To be initially qualified and to maintain qualifications as an Emergency Coordinator or Radiological Assistant, those personnel selected as such must complete training in the following areas on an annual basis:
 - 1. Emergency Plan Procedures with emphasis on the Emergency Coordinators' duties.
 - 2. Use of on-site and off-site communication channels.
 - 3. Use of meteorological overlay and methods for determining the magnitude of the release of radioactive materials.
 - * 4. Review functions of off-site support agencies.

5. Participate in at least two classroom exercises evaluating various meteorological conditions and subsequent calculation of off-site airborne concentrations.

II. Plant Emergency Directors

- A. To be initially qualified and to maintain qualifications as a Plant Emergency Director, those personnel designated as such shall hold a valid Reactor Operators License or Senior Operators License and complete annual training in the following areas:
 1. Emergency Plan Procedures with emphasis on Plant Emergency Director duties.
 2. Use of on-site and off-site communications channels.
 3. Interpretation of meteorological teletype data.
 4. Types of information required by the Emergency Operations Facility.
 5. Participate in a classroom exercise evaluating various off-site dose projections.
- B. Shift H.P. Technicians and the Shift Technical Advisors shall be annually trained in Section II.A above.

III. Emergency Assistance Personnel Training

- A. To be qualified and maintain qualification as Emergency Assistance Personnel, those personnel designated as such must complete on an annual basis, training in the following areas:
 1. Emergency Plan Procedures with emphasis on the functions and duties of the various tag board assignments.
 - a. Areas that will be addressed in the tag board assignments are:
 - 1) Radiation monitoring and sampling
 - 2) Communications
 - 3) Search and Rescue
 - 4) Overlay Selection and Orientation
- B. Mini-Drills will be conducted for selected individuals designated as Emergency Assistance Personnel.

IV. Emergency Medical Team Members

- A. To qualify and maintain qualifications as a member of the Emergency Medical Team, those personnel designated as such must hold a valid American National Red Cross Advanced First Aid - Emergency Care card and a CPR card and complete training in the following areas on an annual basis:
 - 1. Satisfactory attendance at medical retraining sessions each year, as scheduled.
 - a. Satisfactory attendance or makeup is determined by the Medical Service/Safety Coordinator.
 - 2. Fulfill requirements as qualified Emergency Assistance Personnel.

V. Fire Brigade Commanders and Members

- A. To qualify and maintain qualification as a Fire Brigade Commander or Fire Brigade Member, each person on the Fire Brigade must, on an annual basis, complete the Fire Training outlined in A.P. 3023 and training in the following areas:
 - 1. Fulfill requirements as qualified Emergency Assistance Personnel.

VI. Security Force Training

- A. To qualify and maintain qualification for radiation monitoring and sampling during a Radiological Emergency, members of the Security Force must complete annual training in the following areas:
 - 1. Use of portable radiation instruments and other equipment as necessary.
 - 2. Review actions of Security Force during a radiological emergency.

VII. Local Medical Support Personnel

- A. Local Medical Support Personnel will receive annual training in the following areas (as applicable for the specific emergency response duty):
 - 1. Basic Radiation Protection
 - 2. Personnel and Equipment Decontamination
 - 3. Use of radiation instruments
 - 4. Establishing radiation and contamination control areas
 - 5. Biological Sampling

- B. Additionally, the Local Medical Support Personnel will participate in an annual medical drill with the Emergency Medical Team.

VIII. Local Fire Department Training

- A. The local fire departments will receive training as outlined in A.P. 3023.

IX. News Media

- A. The plant Public Information Director will coordinate a training program with the states to acquaint news media personnel with the emergency plans, points of contact for release of information, location of news media centers, and update on public information packets sent to the public.
- B. The training shall be conducted at least annually.

X. State and Local Governments

- A. If a state or a local government lacks the capability and resources to accomplish an adequate training program, they may request assistance from the plant or corporate resources.

Final Conditions:

- * 1. All training attendance will be documented on a form similar to VYAPF 0700.01.
- * 2. All documentation will be retained in accordance with A.P. 0834.

TDL/emr

Dept. Supv. <i>[Signature]</i>	Proc. No.	O.P. 3506
PORC	Rev. No.	13
Plant Supt. <i>[Signature]</i>	Issue Date	10-21-81
Mgr. of Ops. <i>[Signature]</i>	Review Date	10-21-83

EMERGENCY EQUIPMENT READINESS CHECK

Purpose:

To insure that emergency radiological and communication equipment is periodically inventoried and maintained in an operable condition by assigned plant personnel.

Discussion:

Monthly, the Operations Department will conduct a test of certain emergency communications equipment as outlined in this procedure. Monthly, and subsequent to each usage, a Chemistry and Health Physics Technician will be assigned the following:

1. Physical inventory of Emergency Kit contents as listed on VYOPF 3506.02 (and VYOPF 3506.03 on a semi-annual basis).

NOTE: Corrective actions taken in response to deficiencies noted must be initialed and dated.

2. Rotation of survey instruments normally used in the plant with instruments in the Emergency Kits to assure that emergency equipment has been recently calibrated and is fully operable.
3. Check of the operability of equipment (e.g., flashlights, dosimeter charger, survey meters, etc.) and recharging or changing of their batteries as necessary. Change stopwatch batteries annually. Record date of change on reverse side of each electric stopwatch.
4. Verification that the keys to the off-site Emergency Coordination Centers and Emergency Kits are in their proper location at the outer gatehouse.

The assigned C & HP Technician shall report the status of all emergency equipment to the Emergency Plan Coordinator by completing and submitting an Emergency Equipment Checklist (VYOPF 3506.02) monthly, and a Brattleboro Memorial Hospital Emergency Equipment Inventory (VYOPF 3506.03), semi-annually. Enter under remarks column any replacement parts (i.e., batteries, pencils, missing equipment, etc.).

The Emergency Plan Coordinator will test the National Weather Service Station (Albany) phone lines once per month until the completion of the secondary meteorological tower instrumentation upgrade and its availability to the Control Room.

The following forms are attached:

- | | |
|---------------|---|
| VYOPF 3506.01 | Emergency Communications Checklist |
| VYOPF 3506.02 | Emergency Equipment Checklist |
| VYOPF 3506.03 | Brattleboro Memorial Hospital Emergency Equipment Inventory |

References:

A. Tech. Spec.

1. None

B. Admin. Limits

1. The Emergency Communications Checklist (VYOPF 3506.01) will be completed monthly.
2. The Emergency Equipment Check List (VYOPF 3506.02) will be conducted monthly and subsequent to each use.
- * 3. The Brattleboro Memorial Hospital Emergency Equipment
* Inventory (VYOPF 3506.03) will be conducted semi-annually
* and subsequent to each use.

C. Other

1. Appropriate Operating Manuals for Emergency Vit Equipment listed on VYOPF 3506.02.

Precautions:

1. The lack of proper equipment at the time of an emergency can delay regaining control of the situation, thereby compounding its adverse effects.

Prerequisites:

1. Apparatus required:

- a. Fresh batteries for equipment as required.
- b. Recently calibrated and operable survey meters in accordance with D.P. 4540.

Procedure:

1. Emergency Communications Check (Use VYOPF 3506.01)

- * A. Monthly, the Operations Department will test the Nuclear
* Alert System by contacting each of the three states (Vermont,
* New Hampshire, Massachusetts) using the following procedure:

- * 1) Lift handset and keypunch number 111.

NOTE: This number initiates a group call to all three State Police agencies. However, no audible ringing is present at the transmit station. The station receiver will continue to ring until it is answered even if the transmit station is recradled.

- 2) As each State Police agency answers, advise of the test of the Nuclear Alert System and record the successful test on VYOPF 3506.01, Section A.

- ★ 3) If any part of the system fails to operate, notify
★ the Communications Dept., NEES, Westboro, MA (ext 2460).
- ★ B. Monthly, the Operations Department will test the Unusual Event,
Alert, Site Area and General Emergency Alarms using the following
procedure:
 - 1) To test the Alert Alarm (used for Unusual Event and
Alert emergencies):
 - a) Turn the Page System Volume Increase Switch to
the "Alert" position.
 - b) Make the following announcement by picking up the
Gai-Tronics handset and depressing the page button
and speaking into the receiver:

"The following is a test of the Emergency Alert
Alarm, please disregard." Repeat the announcement.
 - c) Turn the Alarm switch to the "ON" position for three
seconds and then return the switch to the "OFF"
position.
 - d) Make the following announcement over the page system:

"Test of the Emergency Alert Alarm is complete.
Regard all further alarms."
 - e) Turn the Page System Volume Increase Switch to the
"OFF" position.
 - 2) To test the Evacuation Alarm (used for Site Area and
General emergencies):
 - a) Turn the Page System Volume Increase Switch to the
"Evacuation" position.
 - b) Make the following announcement by picking up the
Gai-Tronics handset and depressing the page button,
and speaking into the receiver:

"The following is a test of the Emergency Evacuation
Alarm. Please Disregard." Repeat the announcement.
 - c) Turn the Alarm switch to the "ON" position for three
seconds and then return the switch to the "OFF"
position.
 - d) Make the following announcement over the page system:

"Test of the Emergency Evacuation Alarm is complete.
Regard all further alarms."
 - e) Turn the Page System Volume Increase Switch to the
"OFF" position.

- 3) Contact the Auxiliary Operators and verify that they heard the alarm announcements and alarm signals. Complete VYOPF 3506.01, Section B.

C. Monthly, the Operations Department will test the Southwest Fire Mutual Aid and Tri-State Fire Mutual Aid radio (Deskon II) by contacting the Keene and Greenfield dispatchers as follows:

- 1) Press the TRANSMIT bar for sending. Release for receiving.
- 2) Speaking into the microphone say, "KCE-579 (Keene), this is KCP-596, Remote 2."
- 3) When answered, say: "This is a radio check. How do you read?"
- 4) When answered, say: "Thank you. KCP-596, Remote 2 clear."
- 5) Repeat Steps 1) through 4) with KCE-358 (Greenfield).
- 6) Complete VYOPF 3506.01, Section C and return to the Shift Supervisor.
- 7) Notify the Instrument and Control Supervisor if there is a fault with either mutual aid radios communications system.

2. Emergency Equipment Check (Use VYOPF 3506.02)

- a. Obtain those items listed as apparatus.
- b. Proceed to the outer gate and obtain the keys to the Governor Hunt House and Vernon Town Hall.
- c. Proceed to the Governor Hunt House and note that the keys are tagged correctly.
- d. Inventory the Emergency Kit contents against those items listed on VYOPF 3506.02 and test, charge, or replace equipment as required. Inspect respiratory protective equipment and complete VYAPF 0505.02.

NOTE: After a complete inventory of the kits, a seal may be attached. If the seal is not broken, the kit need not be reinventoried on subsequent routine checks. Only the respirators and dosimeters have to be inspected and a new seal attached where applicable.

- e. Return equipment to the kits and lock the storage room door.
- f. Lock the Governor Hunt House, as appropriate, and proceed to the Vernon Town Hall.

- g. Note that the keys are tagged properly for the Town Hall and the Emergency Kit Storage Room.
 - h. Inventory the Emergency Kit contents against equipment and material listed on VYOPF 3506.02 and test, charge, or replace equipment as required.
 - i. Return equipment to the kit and lock the storage room.
 - j. Lock the Vernon Town Hall access door upon leaving.
 - k. At the Inner Gatehouse, inventory those items listed on VYOPF 3506.02.
 - l. At the Main Control Room, inventory those items listed on VYOPF 3506.02.
 - m. At Technical Support Center Communications Room, inventory those items listed on VYOPF 3506.02.
 - n. Submit the completed VYOPF 3506.02 form to the Emergency Plan Coordinator who will review it, take appropriate action on exceptions noted, and file it in the Chemistry and Health Physics files.
3. Brattleboro Memorial Hospital Emergency Equipment Inventory (use VYOPF 3506.03).
- a. Obtain a freshly calibrated PIC-6A, 6 TLD's and a PRM-4 (or RM-14) (survey to ensure a clean instrument).
 - b. Proceed to B.M.H., obtain key to radiological emergency room.
 - c. Inventory the emergency kits contents against those items listed on VYOPF 3506.03 and replace the instruments listed in Step A. Replace batteries in charger for self-reading dosimeters.
 - d. Return equipment to the kits and secure the radiological emergency room.
 - e. Return the key.
 - f. Submit the completed VYOPF 3506.03 to the Emergency Plan Coordinator who will review it, take appropriate actions, and file it in the Chemistry and Health Physics files.
4. The Emergency Plan Coordinator will perform the following on a monthly basis until the Secondary Meteorological Tower has been completely instrumented and placed on service.
- a. Call the Albany Office of the National Weather Service (1-518-472-6586) and ask for the Public Forecaster.
 - b. Advise him that this is a test of the communications link with his office.

- c. Record date, time, name of Public Forecaster and place memorandum concerning test in department files.

Final Conditions:

1. All equipment is complete and in operable condition.
- * 2. All documentation retained in accordance with A.P. 0834.

SPS/emr

Date _____

Time _____

MONTHLY EMERGENCY COMMUNICATIONS CHECKS

A. Nuclear Alert System

a. Successful Test with Vermont Yes _____ No _____ Initials _____

b. Successful Test with New Hampshire Yes _____ No _____ Initials _____

c. Successful Test with Massachusetts Yes _____ No _____ Initials _____

d. VELCO informed of following discrepancies: _____

B. Emergency Alert and Evacuation Alarms

a. Emergency Alert Alarm Tested and Heard By Auxiliary Operators _____
Initials _____

b. Evacuation Alarm Tested and Heard by Auxiliary Operators _____
Initials _____

c. Notify I & C Department of following discrepancies: _____

C. Southwest Fire Mutual Aid and Tri-State Mutual Aid Radio Tests

a. Successful test with Keene Dispatcher Yes _____ No _____

b. Successful test with Greenfield Dispatcher Yes _____ No _____

Discrepancies Noted: _____

Completed By _____

Reviewed By _____
Shift Supervisor

Reviewed By _____
Operations Supervisor

Forward to Chemistry and Health Physics Department for filing.

EMERGENCY EQUIPMENT CHECKLIST

Date _____

Items:

Initials

Remarks

I. Outer Gate Guardhouse

(A) Keys to Emergency Centers
and Emergency Kits Obtained

(B) Keys Tagged Properly

(C) Keys Returned

(D) Inspect respirators (6)
(as per A.P. 0505)

1) Charcoal and Particulate
Filters (6)

2) Tear Gas Filters (6)

II. Governor Hunt House

(A) ECC Kit: Sealed Unsealed (Circle one)

If unsealed, inventory the
following:

(If sealed, inventory items 5a, 6a, 16a,
18a, and 19a.)

1. Emergency Plan

2. Emergency Plan Implementing
Procedures

3. V.Y. Fire Protection Plan

4. Coordinator's clipboard

a. Implementing Procedure
checklists

1) O.P. 3502 (Site)

2) O.P. 3503 (General)

3) O.P. 3513 (Initial Eval)

b. Logsheets (VYOPF 3504.01)

c. Met. Data (VYOPF 3513.01)

d. Offsite Domes (VYOPF 3513.02)

e. Paper pad

	Initials	Remarks
5. Personnel Monitoring Team Clipboard	_____	_____
a. Recent Gate List	_____	_____
b. Paper pad	_____	_____
6. Manpower & Planning Clipboard	_____	_____
a. Emergency Assistance Personnel List	_____	_____
b. Paper pad	_____	_____
7. Pencils (Approx. 12)	_____	_____
8. Wax marking pencils (approx. 4)	_____	_____
9. Felt-tip pens (Approx. 4)	_____	_____
10. Envelopes (Approx. 25)	_____	_____
11. Poly sample bottles (Approx. 3)	_____	_____
12. Assorted sample containers	_____	_____
13. Check source	_____	_____
14. Air sample filters (1 box)	_____	_____
15. Air sample charcoal cartridges (approx. 6)	_____	_____
16. High range dosimeters (24)	_____	_____
a. Calibration up to date	_____	_____
17. Sliderule	_____	_____
18. Telephones (8)	_____	_____
a. Check operability of all except NRC red and blue phones	_____	_____
19. Potassium iodide solution (1 bottle)	_____	_____
a. Check expiration date	_____	_____
20. TI-59 Calculator, Printer and 20 program cards in booklet holder.	_____	_____

	Initials	Remarks
(B) Battery-Operated Equipment		
1. PRM-4A (or RM-14) (1)		
a. Battery check OK		
b. Calibration up-to-date		
2. RM-14 with 210 probe (3)		
a. Battery check OK		
b. Calibration up-to-date		
3. PIC-6A (3)		
a. Battery check OK		
b. Calibration up-to-date		
4. Dosimeter charger		
a. Operational check OK		
5. Bullhorn		
a. Operational check OK		
6. Flashlights (Approx. 12)		
a. Operational check OK (change batteries if weak)		
b. Spare batteries (approx. 8)		
7. Air Samplers (3)		
a. Operational check OK (use car battery)		
b. Left with fresh filter paper and cartridge in holders		
(C) Miscellaneous Items		
1. Assignment Tag Board		
2. Area map & dispersion "wheel"		
3. Status Board		
4. Lo-Vol air sampler		
5. Stabilized Assay Meter (SAM II)		

	Initials	Remarks
6. Inspect respirators (12 min.) (as per A.P. 0505).	_____	_____
a. Check expiration date on filter.	_____	_____
7. Check State of Vermont telephone system located on the stage in the EOF, by dialing 32.		
a. Vermont Civil Defense will answer if operable.		
Name of Vt. CD Official	_____	_____
b. If no answer, call Vermont Civil Defense (802-828-2163) and report system inoperable.		
Name of Vt. CD Official	_____	_____
(D) Site Boundary Team Kit		sealed
If unsealed, inventory		unsealed
the following: (Circle one)	_____	_____
1. Site Boundary clipboard	_____	_____
a. Implementing procedure checklist (O.P. 3510) (approx. 5 copies)	_____	_____
b. Paper pad	_____	_____
2. Coveralls (2)	_____	_____
3. Filter paper, air sample (1 box)	_____	_____
4. Charcoal filter cartridges (approx. 6)	_____	_____
5. High range dosimeters (2)	_____	_____
a. Calibration up to date	_____	_____
6. Pencils (approx. 4)	_____	_____
7. Air sample envelopes (approx. 5)	_____	_____
8. Check source	_____	_____
9. Stop watch (if Electronic - change batteries annually)	_____	_____

		Initials	Remarks		
(E)	Off-Site Emergency Kits		Kit 1	Kit 2	Kit 3
	If sealed, inventory 9a.		(Hunt)	(Hunt)	(Town Hall)
	If unsealed, inventory the following: (circle one)		sealed unsealed	sealed unsealed	sealed unsealed
1.	Off-Site Team Clipboard	_____	_____	_____	_____
	a. Implementing procedure checklist (O.P. 3510) (Approx. 5 copies each)	_____	_____	_____	_____
	b. Paper pad	_____	_____	_____	_____
2.	Coveralls (2)	_____	_____	_____	_____
3.	Poly bottles (3)	_____	_____	_____	_____
4.	Poly bags (3)	_____	_____	_____	_____
5.	Smear paper (1 box)	_____	_____	_____	_____
6.	Filter paper, air sample (1 box)	_____	_____	_____	_____
7.	Activated charcoal filter cartridges (Approx. 6)	_____	_____	_____	_____
8.	Radiation tape and sigas	_____	_____	_____	_____
9.	High range dosimeters (2)	_____	_____	_____	_____
	a. Calibration up to date	_____	_____	_____	_____
10.	Pencils (approx. 4)	_____	_____	_____	_____
11.	Marking pencils (approx. 2)	_____	_____	_____	_____
12.	Felt tip pen (approx. 2)	_____	_____	_____	_____
13.	Air Sample Envelopes (approx. 25)	_____	_____	_____	_____
14.	Check source	_____	_____	_____	_____
15.	Screwdriver	_____	_____	_____	_____
16.	Stopwatch (if Electronic - change batteries annually)	_____	_____	_____	_____
17.	Keys to Envir. Stations	_____	_____	_____	_____
18.	"NUSORB" cartridges for Envir. Stations (Approx. 4)	_____	_____	_____	_____

	Initials	Remarks
(F) Two seabags each containing: If unsealed, inventory the following:	_____	Sealed Unsealed (Circle one)
1. Coveralls (10)	_____	_____
2. Hoods (10)	_____	_____
3. Plastic boots (10 prs)	_____	_____
4. Rubber boots (10 prs)	_____	_____
5. Rubber gloves (12 pr)	_____	_____
6. Cloth gloves (2 bundles)	_____	_____
7. Masking tape	_____	_____
(G) Decontamination Barrel containing: If unsealed, inventory the following:	_____	Sealed Unsealed (Circle one)
1. Towels (12)	_____	_____
2. Face cloths (12)	_____	_____
3. Decon soap (3)	_____	_____
4. Plastic bags (12)	_____	_____
5. Poly 6 ml x 6' x 100' (1 roll)	_____	_____
6. Paper towels (5 boxes)	_____	_____
7. Scissors (1 pr)	_____	_____
8. Blotter (3 - 10' sections)	_____	_____
9. Masking tape (5 rolls)	_____	_____
10. Cloth gloves (2 bundles)	_____	_____
11. Surgeons gloves (1 box)	_____	_____
12. Plastic basins (3)	_____	_____
13. Scrub brushes (12)	_____	_____
14. "Contaminated" tape (2 rolls)	_____	_____
(H) Radiological Coordinator's Kit If unsealed, inventory the following:	_____	Sealed Unsealed (Circle one)
1. Notebook containing	_____	_____
a. O.P. 3525 Checklist	_____	_____

	Initials	Remarks
2. Low range dosimeter (1)		
a. Calibrate up to date		
3. Air sample filters (1 box)		
4. Air sampler charcoal cartridges (approx. 6)		
5. Environmental station cartridges (approx. 6)		
6. Air sample envelopes (approx. 12)		
7. Assorted sample containers		
a. Poly bottles (approx. 6)		
b. Poly bags (approx. 12)		
8. Paper pad		
9. Pencils (approx. 4)		
10. Small area map		
(I) All equipment and materials returned to kits, the kits sealed, and storage area locked		
III. Vernon Town Hall		
(A) EC Supplies		
1. Telephones (9)		
Check operability of all except NRC red and blue phones		
2. PIC-6A		
a. Battery check OK		
b. Calibration up-to-date		
3. Area map		
4. RM-14 with HP 210 probe		
a. Battery check OK		
b. Calibration up-to-date		
5. Emergency Plan		

	Initials	Remarks
6. Emergency Implementing Procedures		
7. V.Y. Fire Protection Plan		
8. Air sampler		
9. Flashlight (2)		
(B) Decontamination Barrel Containing: If unsealed, inventory the following:		Sealed Unsealed (Circle one)
1. Towels (12)		
2. Face cloths (12)		
3. Decon soap (3)		
4. Plastic bags (12)		
5. Poly 6 ml x 6' x 100' (1 roll)		
6. Paper towels (5 boxes)		
7. Scissors (1 pr)		
8. Blotter (3 - 10' sections)		
9. Masking tape (5 rolls)		
10. Cloth gloves (2 bundles)		
11. Surgeons gloves (1 box)		
12. Plastic basins (3)		
13. Scrub brushes (12)		
14. "Contaminated" tape (2 rolls)		
(C) Off-Site Emergency Kit #3		
Complete inventory per Section II.E above when found in unsealed condition and kit resealed.		
IV. Inner Gatehouse		
1. KM-14 with HP 210 probe (This can be standby unit for portal monitor)		

	Initials	Remarks
a. Battery check OK	_____	_____
b. Calibration up-to-date	_____	_____
2. PIC-6A	_____	_____
a. Battery check OK	_____	_____
b. Calibration up-to-date	_____	_____
3. Air sampler	_____	_____
4. Stopwatch (if Electronic - change batteries annually)	_____	_____
5. Filter papers (1 box)	_____	_____
6. Charcoal Cartridges (approx. 6)	_____	_____
7. Air Sample Envelopes (approx. 6)	_____	_____
8. O.P. 3510	_____	_____
9. Inspect respirators (6) (as per A.P. 0505)	_____	_____
a. Charcoal and Particulate Filters (6)	_____	_____
b. Tear Gas Canisters (6)	_____	_____
10. High Range Dosimeters (2)	_____	_____
11. Check source	_____	_____

V. Main Control Room

1. Area Map & Dispersion "wheel"	_____	_____
2. Boundary Dose Nomogram	_____	_____
3. Emergency Logbook	_____	_____
4. Emergency Plan	_____	_____
5. Emergency Plan Implementing Procedures	_____	_____
6. V.Y. Fire Protection Plan	_____	_____
7. Inspect respirators, (4) (as per A.P. 0505)	_____	_____
a. Check expiration date on filter	_____	_____
8. Air sampler	_____	_____

- | | Initials | Remarks |
|--|----------|---------|
| 9. Air Sample Envelopes(approx. 6) | _____ | _____ |
| 10. Filter papers (1 box) | _____ | _____ |
| 11. High range dosimeters (5) | _____ | _____ |
| a. Calibration up to date | _____ | _____ |
| 12. Potassium iodide (KI) solution
(1 bottle) | _____ | _____ |
| a. Check expiration date | _____ | _____ |
| 13. TI-59 Calculator, Printer
and 20 cards in booklet
holder | _____ | _____ |
| (B) Inspect Scott Air Pack (as per
A.P. 0505) | _____ | _____ |
| (C) Check PIC-6 calibration | _____ | _____ |

VI. Technical Support Center

- (A) (Note: Items 10, 11, & 12 are located in the Engineering Support Department office. All others are located in the TSC Communications Center.)

- | | | |
|--|-------|-------|
| 1. Dose rate meter (PIC-6A or sim) | _____ | _____ |
| 2. RM-14 with HP 210 probe | _____ | _____ |
| 3. Air sampler, low volume, with charcoal cartidge | _____ | _____ |
| 4. Air sample envelopes (approx 6) | _____ | _____ |
| 5. Charcoal filter cartridges (approx 6) | _____ | _____ |
| 6. Filter paper, air sample (1 box) | _____ | _____ |
| 7. High range dosimeter (4) | _____ | _____ |
| 3. Inspect respirators (4)
(as per A.P. 0505) | _____ | _____ |
| a. Charcoal and particulate filters | _____ | _____ |

	Initials	Remarks
9. Potassium iodide (KI) solution (1 bottle)	_____	_____
a. Check expiration date	_____	_____
10. Emergency Plan	_____	_____
11. Emergency Implementing Procedures	_____	_____
12. V.Y. Fire Protection Plan	_____	_____
13. Smear Papers (1 box)	_____	_____

Performed by _____

Approved by _____
Emergency Plan Coord.

BRATTLEBORO MEMORIAL HOSPITAL
EMERGENCY EQUIPMENT INVENTORY

Instructions: Initial inventoried items and note comments in the right hand column.

Name of kit:

DECONTAMINATION KIT

<u>Initials</u>	<u>Item</u>	<u>Quantity</u>	<u>Code#</u> (Yellow Round Labels Marked:)	<u>Comments</u>
	1. <u>Skin Decontamination</u>			
	(a) <u>Utensils:</u>			
_____	Absorbent balls, extra large		DSK1	
_____	Sponge-holding forceps	1	DSK2	
_____	Plastic beaker, large (to discard used sponges)	2	DSK4	
_____	Pre-op sponges (for large area decontamination)		DSK5	
_____	Surgical hand brushes (for hands/feet decontamination)		DSK6	
_____	Wash bottle (to hold water for decontamination)	1	DSK7	
	(b) <u>Decontaminants</u>			
_____	TURCO decon soap, bottles (for first decon effort, general)	2	DSK8	
_____	Clorox, bottle (for second decon effort)	1	DSK9	
	2. <u>Wound Cleaning</u>			
	(a) <u>Utensils:</u>			
_____	Gauze Pads, 4" x 4"		DW1	
_____	Surgical gloves, assorted sizes sterile, pair	5	DW2	
_____	Solution bowl, plastic	1	DW3	
_____	Plungerless syringes, 50 cc sterile	1	DW4	
_____	Cotton tipped applicators		DW7	
	(b) <u>Cleansing agents:</u>			
_____	Saline solutions, normal sterile, bottle	1	DW8	
_____	Hydrogen peroxide, 3% solution bottle	1	DW9	

DECONTAMINATION KIT (Continued)

<u>Initials</u>	<u>Item</u>	<u>Quantity</u>	<u>Code#</u>	<u>Comments</u>
3.	<u>Miscellaneous materials</u>			
_____	Nivea cream, jar (apply on dry skin after complete decon)	1	DM1	
_____	Prep Kit (for clipping and shaving)	1	DM2	
_____	Nail clippers, pair	1	DM3	
_____	Scissors, heavy duty, HARE paramedic	1	DM4	
_____	New Form Patient Radiation and Medical Status Record Sheets (for recording essential data on patients' medical and radiation status)		DM5	
_____	Plastic bags, (to hold decon materials after use)		DM6	
_____	Tags, with wire (to indicate contents of container and bags)		DM7	
_____	Tissue paper, box		DM8	
_____	Notebook		DM9	
_____	Pencils		DM10	

SAMPLE TAKING KIT

<u>Initials</u>	<u>Item</u>	<u>Quantity</u>	<u>Code #</u> (Green Round Labels Marked:)	<u>Comments</u>
_____	1. <u>Blood Sampling</u>			
_____	Vacutainers, heparinized 10 ml, sterile	6	SB1 (green stopper)	
_____	Vacutainers, uncoated 10 ml, sterile	6	SB2 (red stopper)	
_____	Vacutainers, oxalated, 10 ml, sterile	6	SB3 (gray stopper)	
_____	Needle-holder combination sterile	12	SB4	
_____	Alcohol wads, sterile pre-packs	12	SB5	
_____	2. <u>Wound Fluid, Nose Swabs</u>			
_____	Cotton tipped applicators, in test tube, sterile		SWN1	
_____	Envelopes (for storage of nose swabs)		SWN4	
_____	Tissue paper, box (for nose blows)		SWN5	
_____	3. <u>Small specimens</u> (hair, nails, tissue samples, sputum)			
_____	Bottles, wide mouth, 100 ml	5	SSS2	
_____	4. <u>Excreta, irrigation fluids,</u> <u>vomit</u>			
_____	Jar, plastic for feces samples	2	SF1	
_____	Urine: specitainers, 2500	5	SF3	
_____	Bottles, wide mouth, 500 ml, for collection of irrigation fluids	2	SF4	
_____	5. <u>Skin Smears</u>			
_____	NUCON smear pads, with envelopes		SSK1	

SAMPLE TAKING KIT (Continued)

<u>Initials</u>	<u>Item</u>	<u>Quantity</u>	<u>Code#</u>	<u>Comments</u>
_____	6. <u>Miscellaneous Items</u>			
_____	Plastic bags, assorted sizes		SM1	
_____	Tags, with wire		SM2	
_____	Patient Radiation and Medical Status Record Sheets (to record specimens collected)		SM4	
_____	Notebook		SM5	
_____	Pencils		SM6	

HEALTH PHYSICS EQUIPMENT AND SUPPLIES

<u>Initials</u>	<u>Item</u>	<u>Quantity</u>	<u>Comments</u>
	Gamma Dose Rate Survey Instrument Digi-Master 0.1 M/R to 100 R/H <u>or</u> PIC 6A	1 (Note 1)	
	Beta-Gamma Monitor-PRM 4 <u>or</u> RM-14	1 (Note 1)	
	Self-Reading Pocket Dosimeters, 0-1R	6 (Note 1)	
	Thermoluminescent Dosimeters, Body Type	10	
	Thermoluminescent Dosimeters, Ring Type	10	
	Charger for Self-Reading Dosimeters	1	
	Decontamination Table-Top with Stretcher, Side Panels, Hose, 2 each 5 gal containers	1	
	Lead Container, high activity samples	1	
	Plastic sheets, 4-5 mils	1	
	Krylon-floor covering		
	Masking tape, 2 inch		
	Apron, Plastic	10	
	Shoecovers	6 pr.	
	Poly Bags (large)	20	
	Poly, pail	1	
	Signs "Caution Radiation Area"	4	
	Signs "Caution Radioactive Material"	4	
	Stickers "Contaminated Material"	10	
	Barrier Tape	1 roll	
	Disposable Clothing Kit	12	
	Suits, plastic	5	
	Tongs	1 pair	
	Step-off Pads		
	Respirators, half-face	3	

(Note 1): Since these instruments are used infrequently, they will be rotated every six (6) months for calibration.

PROCEDURE

<u>Initials</u>	<u>Item</u>	<u>Quantity</u>	<u>Comments</u>
<u> </u>	Control Copy #15, Peter Bent Brigham Hospital Procedures for Radioactivity Contaminated Patients	1	

Performed by _____

Approved by _____
Emergency Plan Coordinator

MEMORANDUM

TO Plant Procedure Manual Holders Vernon
COMPANY OR LOCATION

FROM G. D. Weyman G.D.W. Vernon
COMPANY OR LOCATION

SUBJECT Change to Plant Procedure Manual

October 14, 1981

FILE 6.1.5Chem & HPDEPARTMENT INSTRUCTION 81-20Concurring Individual: M. D. Hyatt Date: 10/14/81SRO Concurring: RE [Signature] Date: 10/14/81

Second SRO Concurring: _____ Date: _____

Chemistry and Health Physics Supervisor or Plant Health Physicist:

G.D. Weyman Date: 10/14/81

This instruction becomes effective on the date that a Second Senior Licensed Operator signs above, unless a Health Physics procedure is involved, in which case this instruction becomes effective on the date that a Senior Licensed Operator and the Chemistry and Health Physics Supervisor or the Plant Health Physicist signs above.

Instruction Cancelled: Rev. 14 of OP 3504

Scope of Instruction:

1. Replace pages 2, 3, 10 and Appendix A of procedure with the attached revised pages 2, 3, 3a, 10, Appendix A (2 pages) and Table 2.

Reason for Change: To change over to Nuclear Alert System and corrective update.

SPS/cjm

Reviewed

[Signature]
PORC Secretary

Approved

[Signature]
Plant Superintendent

VYOPF 3504.01 Emergency Monitoring Log

The following figures and tables are attached:

Figure I Emergency Communication Channels
Figure II Message Form
Table 1 Pager Assignments
Table 2 Nuclear Alert System Station Numbers List

*

References:

- A. Tech. Spec.
 - 1. None
- B. Admin. Limits
 - 1. None
- C. Other
 - 1. VYNPS Emergency Plan
 - 2. ERDA Emergency Radiological Assistance Agreement
 - 3. Vermont Radiological Incident Plan and Agreement
 - 4. New England Interstate Radiation Incident Plan
 - 5. Yankee Mutual Assistance
 - 6. Radiation Accident Plan and Agreement - Brattleboro Hospital

Prerequisites:

- 1. None

Procedure:

- A. Use of the Nuclear Alert System for initial notification and as a continuing communications link to off-site agencies.
 - 1. After verification and subsequent classification of an emergency, it is necessary to notify the state police agencies of Vermont, New Hampshire and Massachusetts.
 - 2. The Nuclear Alert System orange phone is located in the Control Room under forward center console. The NAS orange phone at the Emergency Operations Facility is located at Governor Hunt House as a portable, jack phone in the emergency communications area. The NAS orange phone at the Alternate EOF is located as a portable, jack phone in the basement of the West Brattleboro Offices of Vermont Yankee.
 - 3. For initial notification of the three state police agencies, remove the receiver and key punch number 111.

NOTE: This number simultaneously activates the ringing mechanism at the three state police agencies. The ringing will not cease until the affected phone is answered. No audible ringing will be heard when making a call.

4. When all three state police agencies have acknowledged, then announce the type and extent of the emergency as per the appropriate emergency procedure, O.P. 3500, O.P. 3501, O.P. 3502 and O.P. 3503.
5. To utilize the Nuclear Alert System for follow-up calls to various state agencies and Yankee Rowe and Yankee Atomic in Framingham, refer to the Nuclear Alert System Station Numbers List, Table 2 and key punch the desired number.

B. Use of the Bell Telephone to contact the State Police

NOTE: In case the Nuclear Alert System is not working, the Bell System can be used to contact the state police of the three states. See Appendix A for phone numbers.

1. Verify that an emergency condition exists necessitating notification of the state police of all three states. Notify first, the state most directly involved.
2. Call the Vermont State Police (See Appendix A).
 - a. Report state of emergency as indicated in A.4 above.
3. Call the Massachusetts State Police (See Appendix A).
 - a. Report state of emergency as indicated in A.4 above.
4. Call the New Hampshire State Police (See Appendix A).
 - a. Report state of emergency as indicated in A.4 above.
5. Expect that the state police of the three states will return the call to authenticate the emergency situation.

C. Use of Utility Microwave

1. To call VELCO or REMVEC (Velco dispatcher notifies Rutland office of emergency conditions).
 - a. On one of the two Bell Call Directors, push the button marked "VELCO or REMVEC."
 - b. Pick up the phone - it will ring automatically at VELCO or REMVEC.

2. To call any other point in the Microwave System
 - a. Look up the number you want to call in the Microwave Directory.
 - b. On any Bell phone in the plant, select an unoccupied extension.
 - c. Dial the Microwave Access Code 71.
 - d. Dial the number you wish to call.
- D. Use of Tri-State and Southwest Mutual Fire Assistance Radio
 1. On the Plectron control unit (located under the computer console), depress microphone switch and establish radio contact as follows:

- d. Repeat Steps a, b, and c approximately 15 minutes after the initial call to assure that all YNSD personnel have been reached.

K. Utilization of Alternative Communications Links in the Event of Failure of the Bell Telephone System

NOTE: Failure of the Bell Telephone System Link jeopardizes use of the Special NRC phones (ENS and Health Physics Network).

1. Verify the failure of the Bell Telephone System link and the NRC Emergency Notification System red phone and for the NRC Health Physics Network blue phone.
2. Contact REMVEC via the dedicated microwave line from the Control Room, advise them of the nature of the failure, advise REMVEC that they will be utilized as a phone patch for NRC/Vermont Yankee communications and request them to patch in to the NRC Region I Operations Center (see Appendix A).
3. When contact has been established with the NRC Operations Center, advise the NRC representative of the failure of the specific system and request the NRC Representative to utilize the REMVEC phone patch capability for further communications with the plant site.

NOTE: Advise the NRC Operations Center representative of the REMVEC number (see Appendix A).

4. The Yankee Atomic Electric Company's main switchboard at Framingham may also be accessed via microwave by dialing (see Appendix A).

NOTE: This link may be utilized in the same fashion as the REMVEC System described in Steps 1 through 3. However, the Framingham switchboard is activated weekdays from 0800 to 1700 whereas the REMVEC System is available continuously.

Final Conditions:

1. None

APPENDIX A

O.P. 3504
DI 81-20

COMMUNICATIONS PHONE LIST

	<u>TELEPHONE NUMBER</u>
Manager of Operations - W. Brattleboro (normal hours)	Ext. 229
(nonwork hours)	[REDACTED]
ERD Radiological Assistance	516-345-2200
Brookhaven Lab.	
NRC, Region I	215-337-5000
NRC Operations Center	301-492-8111
(Bethesda Central Office)	
NRC Operations Center	301-427-4056
(Silver Spring Central Office)	
NRC Operator	301-492-7000
(Bethesda Central Office)	
Yankee Atomic Electric Company (activates pagers)	[REDACTED]
Brattleboro Memorial Hospital	802-257-0341
(ask for Emergency Room)	
Vermont State Police	802-828-2115 (2117 alt.)
Vermont Dept. of Health	802-828-2886, 7 or 8
Massachusetts State Police	617-566-4500
New Hampshire State Police	603-271-3636
VELCO Dispatcher (Rutland Office notification)	[REDACTED]
REMVEC	[REDACTED]
Rescue, Inc.	802-254-2010
INPO	404-953-0904
American Nuclear Insurers (ANI) Mark Coulson	[REDACTED]
Peter Bent Brigham Hospital (PBBH)	
a. Referral of patients (call both in given order)	
Emergency Room Head Nurse	617-732-5646
PBBH Switchboard	617-732-6000

APPENDIX A

O.P. 3504
DI 81-20

COMMUNICATIONS PHONE LIST

TELEPHONE NUMBER

b. Consultation:	
Dr. Drum, Radiation Safety Officer	[REDACTED]
Stafi Physician, Nuclear Medicine	[REDACTED]
Dr. Mettler, University of New Mexico	[REDACTED]
Tri-State Mutual Fire Aid	[REDACTED]
Southwest Mutual Fire Aid	603-352-1100
U.S. Weather Bureau (Burlington, VT) Forecasts	802-862-9883
Vernon Hydro Station	802-254-4388
Yankee Atomic Electric Company, Framingham, MA (Main Switchboard)	71-856-0011 (via microwave) 617-872-8100 (Bell tel.)

TABLE 2

O.P. 3504
DI 81-20NUCLEAR ALERT STATION NUMBERS

	<u>Number</u>	<u>Group 1</u>	<u>Group 2</u>
Yankee Rowe:	121		222
Gate House	122		
Vt. Vernon	123	111	
Hq. Framingham	124		
Mass. State Police	211	111	222
New Hampshire State Police	212	111	
Vermont State Police	213	111	222
EOC:			
Concord, NH	311	333	
Belchertown, MA	312		
Framingham, MA	313	333	444
Montpelier, VT	314	333	444
Keene, NH	315		
ECC:			
Yankee Vernon	411	333	
Yankee Rowe	412		444
Brattleboro, VT	413		
Alt. ECC.			
Yankee Brattleboro	511	333	
Yankee Rowe (Shelburne Falls C/C)	512		444
NH Sp. Radio Room	611		
NEPSCO MUX Room	612		

MEMORANDUM

TO Plant Procedure Manual Holders Vernon
COMPANY OR LOCATION

FROM G. D. Weyman Vernon
COMPANY OR LOCATION

SUBJECT Change to Plant Procedure Manual

November 2, 1981

FILE 6.1.5Chem & HPDEPARTMENT INSTRUCTION DI 81-21Concurring Individual: *W. Whipter* Date: 11/2/81SRO Concurring: *Bob V. V.* Date: 11/3/81

Second SRO Concurring: _____ Date: _____

Chemistry and Health Physics Supervisor or Plant Health Physicist:

P. J. Leach Date: 11/3/81

This instruction becomes effective on the date that a Second Senior Licensed Operator signs above, unless a Health Physics procedure is involved, in which case this instruction becomes effective on the date that a Senior Licensed Operator and the Chemistry and Health Physics Supervisor or the Plant Health Physicist signs above.

Instruction Cancelled: Rev. 14 of OP 3504

Scope of Instruction:

1. Replace page 2 and Table 2 with the attached revised pages.

NOTE: This DI supercedes the applicable pages of DI 81-20.

Reason for Change: Corrective Update

SPS/cjm

Reviewed *[Signature]* Approved *[Signature]*
 PORC Secretary Plant Superintendent

VYOPF 3504.01 Emergency Monitoring Log

The following figures and tables are attached:

Figure I Emergency Communication Channels
Figure II Message Form
Table 1 Pager Assignments
Table 2 Nuclear Alert System Station Numbers List

References:

- A. Tech. Spec.
 - 1. None
- B. Admin. Limits
 - 1. None
- C. Other
 - 1. VYNPS Emergency Plan
 - 2. ERDA Emergency Radiological Assistance Agreement
 - 3. Vermont Radiological Incident Plan and Agreement
 - 4. New England Interstate Radiation Incident Plan
 - 5. Yankee Mutual Assistance
 - 6. Radiation Accident Plan and Agreement - Brattleboro Hospital

Prerequisites:

- 1. None

Procedure:

- A. Use of the Nuclear Alert System for initial notification and as a continuing communications link to off-site agencies.
 - 1. After verification and subsequent classification of an emergency, it is necessary to notify the state police agencies of Vermont, New Hampshire and Massachusetts.
 - 2. The Nuclear Alert System orange phone is located in the Control Room under forward center console. ~~The NAS orange phone at the Emergency Operations Facility is located at Governor Hunt House as a portable, jack phone in the emergency communications area. The NAS orange phone at the Alternate EOF is located as a portable, jack phone in the basement of the West Brattleboro Offices of Vermont Yankee.~~
 - 3. For initial notification of the three state police agencies, remove the receiver and key punch number 111.

<u>STATION</u>	<u>INDIVIDUAL NUMBERS</u>
<u>CONTROL ROOMS</u>	
Yankee Rowe	121
Vermont Yankee	123
<u>EMERGENCY OPERATING CENTERS</u>	
Belchertown, MA	312
Brattleboro, VT	413
Concord, NH	311
Framingham, MA	313
Keene, NH	315
Montpelier, VT	314
<u>EMERGENCY OPERATION FACILITIES</u>	
Furlon House (Yankee Rowe)	412
Governor Hunt House (Vermont Yankee)	411
Shelburne Falls (Yankee Rowe - Alternate)	512
W. Brattleboro Office (Vermont Yankee - Alternate)	511
<u>STATE POLICE</u>	
Massachusetts State Police	211
New Hampshire State Police	212
Vermont State Police	213
New Hampshire State Police (Radio Room)	611
<u>MISCELLANEOUS</u>	
Engineering Support Center (Framingham)	124
Gate House (Yankee Rowe)	122
NEPSCO Mux Room	612
<u>STATION</u>	<u>GROUP NUMBERS</u>
Control Room (VY)	111
State Police (MA)	111
State Police (NH)	111
State Police (VT)	111
Control Room (YR)	222
State Police (MA)	222
State Police (NH)	222
State Police (VT)	222
Emergency Operations Facility (VY)	333
Emergency Operations Facility (Alt. - VY)	333
Emergency Operating Center (MA)	333
Emergency Operating Center (NH)	333
Emergency Operating Center (VT)	333
Emergency Operations Facility (YR)	444
Emergency Operations Facility (Alt. - YR)	444
Emergency Operating Center (MA)	444
Emergency Operating Center (VT)	444