

Events Requiring Notification of the State of Alabama

CECC-IPD
IP-15
Appendix A
Page 8 of 27
Rev. 1

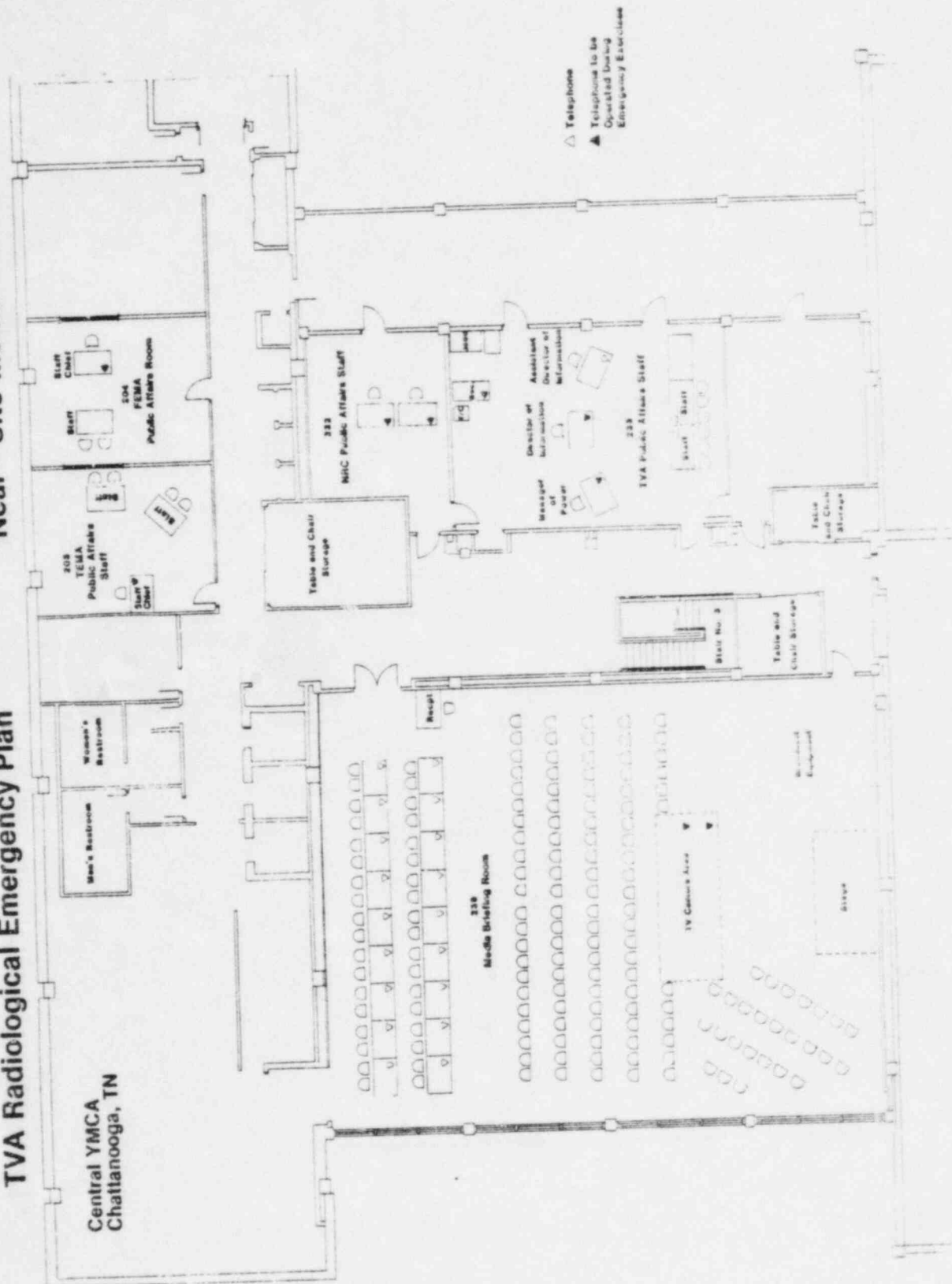
1. Any event requiring initiation of the TVA Radiological Emergency Plan or any section of that plan.
2. The exceeding of any Technical Specification Safety Limit.
3. Any event that results in the nuclear power plant not being in a controlled or expected condition while operating or shut down.
4. Any act that threatens the safety of the nuclear power plant or site personnel, or the security of special nuclear material, including instances of sabotage or attempted sabotage.
5. Any event requiring initiation of shutdown of the nuclear power plant in accordance with Technical Specification Limiting Conditions for Operation.
6. 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
 - Shut down the reactor safely and maintain it in a safe shutdown condition, or
 - Remove residual heat following reactor shutdown, or
 - Limit the release of radioactive material to acceptable levels or reduce the potential for such release.
7. Any event resulting in manual or automatic actuation of Engineered Safety Features, including the Reactor Protection System.
8. Any accidental, unplanned, or uncontrolled radioactive release. (Normal or expected releases from maintenance or other operational activities are not included.)
9. Any fatality or serious injury occurring on the site and requiring transport to an offsite medical facility for treatment.
10. Any serious personnel radioactive contamination requiring extensive onsite decontamination or outside assistance.
11. Any event meeting the criteria of 10 CFR 20.403 for notification. (These criteria specify those conditions under which TVA must report to the Nuclear Regulatory Commission significant releases of radiation to the environment and/or exposures of individuals in excess of prescribed limits.)
12. Strikes of operating employees or security guards, or honoring of picket lines by these employees.

APPENDIX D

Diagram of SNP Near-Site Media Center

TVA Radiological Emergency Plan

Central YMCA
Chattanooga, TN



RADIOLOGICAL EMERGENCY PLAN

Revision Date: SEP 22 1983

This log sheet must be retained as the last page of the Muscle Shoals Emergency Implementing Procedures Document.

Reason for revision: _____

Inserted by: _____

Date Inserted: _____

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RADIOLOGICAL EMERGENCY PLAN
Revision Log Sheet (continued)
Manual: MSEC-IPD
Revision Date:

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REP or IPD Cover Page

MSEC IP-9

Emergency Radiological Monitoring Procedures - MSEC

Prepared By: J. H. Ingwersen

Approved By: R. G. Maxwell

Date: 9/25/81

<u>Rev. No.</u>	<u>Date</u>	<u>Revised Pages</u>
<u>0</u>	<u>9/25/81</u>	<u>All</u>
<u>1</u>	<u>2/25/82</u>	<u>All</u>
<u>2</u>	<u>4/8/83</u>	<u>5, 6</u>
<u>3</u>	<u>JUL 07 1983</u>	<u>All</u>
<u>4</u>		<u>Table of Contents pp. 1 and 2, pp. 2, 3, 5-10,</u> <u>Att. 1--pp. 1-4, Att. 2--p. 1, Att. 3--p. 1, Att. 4--p. 1,</u> <u>Att. 5--p. 1, Att. 6--pp. 1-2, Att. 7--p. 1, Att. 9--pp. 1-2,</u> <u>Att. 10--pp. 1-4, Att. 12--pp. 1 and 4, Att. 14--p. 2,</u> <u>Appendix 1--pp. 1-3, Appendix 2--pp. 3-6, Appendix 3--pp. 2,</u> <u>4, 5, and 7.</u>

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General Revision

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5. Exposure Rate Measurement Data Form
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8. Atmospheric and Terrestrial Sampling Data Form
9. Air Sampling Instructions
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2. Browns Ferry Site Maps and Environmental Monitoring Locations
3. Sequoyah Site Maps and Environmental Monitoring Locations

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4.0 ABBREVIATIONS AND DEFINITIONS

CECC:	Central Emergency Control Center
*ISM:	Ionization survey meter
DRD:	direct-reading dosimeter
**	
EOC:	Emergency Operations Center
EPZ:	Emergency Planning Zone
FCC:	Field Control Center
GMSM:	Geiger Mueller survey meter
Hi-Vol:	high volume air sampler
**	
Lo-Vol:	low volume air sampler
*Ludlum 2200:	Portable Scaler Ratemeter
MSEC:	Muscle Shoals Emergency Center
**	
SEOC:	State Emergency Operations Center
**	
TLD:	thermoluminescent dosimeter
WARL:	Western Area Radiological Laboratory

5.0 RESPONSIBILITIES

5.1 MSEC

MSEC will support the CECC by assessing the offsite consequences of a radiological emergency and recommending appropriate protective actions for the public. In performing these functions the MSEC will assist the State as requested in clarifying technical assessments of the population exposure resulting from radiological emergencies. MSEC environmental monitoring teams will perform emergency assessments under the direction of the MSEC Environs Assessment Supervisor. The data collected and resulting assessments of environs and plant release data will be provided through the CECC to State officials for their use. When State monitoring personnel are prepared to perform their independent assessments, the monitoring efforts of both TVA and the State will be closely coordinated in order to ensure the most efficient use of resources and the timely exchange of environmental data.

The emergency radiological monitoring organization is shown in figure 1.

5.2 MSEC Environs Assessment Supervisor

The MSEC Environs Assessment Supervisor's primary responsibilities will be to direct the efforts of emergency radiological monitoring personnel in the collection of field data in a safe and expeditious manner. Until the termination of the emergency condition, he will be expected to draw upon the technical

*Revision
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*expertise of the Air Quality Branch and Radiological Assessment Section to determine the approximate location, dimension, and radiological characteristics of the plume so that the monitoring teams will be deployed in the best possible locations to confirm the release. All other emergency radiological monitoring personnel will be subordinate to him and will be responsible for following and implementing his directives.

5.3 Field Coordinator

The TVA Field Coordinator will be responsible for directing the nearsite emergency radiological monitoring personnel in accordance with the directives issued by the MSEC Environs Assessment Supervisor. He will be expected to coordinate the activities of the field personnel in such a manner as to optimize the collection, analysis, and transfer of field data to the State officials and MSEC.

5.4 Monitoring Teams

The TVA monitoring teams are categorized as ground- or aerial-based monitoring teams. The ground-based monitoring teams are subdivided into two groups--sampling teams and a screening team. The sampling teams will be responsible for collecting sample media and taking measurements in the radiation areas (i.e., inplume monitoring). They can perform preliminary analyses on the air filters to determine the radioiodine and particulate air activities. However, they will be required to send their samples by courier to the screening van for analyses when it is set up and operational. The screening van is equipped with a gamma spectroscopy system to scan for the presence of radioiodine and other gamma ray emitting radionuclides. An aerial monitoring team may be deployed in a TVA helicopter to perform aerial exposure rate monitoring of the plume. All monitoring teams will be expected to follow (in order of descending priority) the directives issued by the Field Coordinator and then the procedures and precautions set forth herein.

5.5 Couriers

The couriers will be primarily responsible for transporting environmental samples from the sampling vans to the screening van for analysis. However, they will be responsible for following the directives issued by the Field Coordinator to provide whatever supplemental field support is necessary to sustain the emergency radiological monitoring program.

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6.0 PREPARATIONS AND PRECAUTIONS

6.1 Notification

Monitoring team personnel can be notified when a radiological emergency reaches the ALERT status. Depending on the severity of the plant conditions, the personnel will be required to stand by or assemble at the MSEC for possible deployment. If required to come in, the personnel should report directly to the Field Coordinator and, upon his instructions, prepare to leave for the site.

6.2 Preparations Prior to Departure

Prior to leaving MSEC for the site, each monitoring team will be responsible for verifying that their van or helicopter (aerial monitoring) is properly equipped and that the instrumentation is fully operational. Monitoring team leaders will be required to complete and initial equipment checklist provided as attachment 1.

6.3 Preparation Prior to Entering the 10 Mile EPZ

6.3.1 Communications

While deployed, the monitoring teams will have their FM transmitter/receiver radios turned on so as to be in communication contact at all times. Operating instructions and directories for the mobile telephones and radios are provided in appendix 1 and a listing of the call signs is in each van.

6.3.2 Protective and Precautionary Measures

Prior to entering the 10 mile EPZ, each monitoring team leader will complete the protective and precautionary checklist provided as attachment 2.

6.4 Radiological Precautions

While in radiation areas, team personnel will monitor the radiological conditions with survey instruments, direct-reading dosimeters, and by collecting and analyzing air samples. If the radiological conditions exceed the protective action levels listed in attachment 3, then the *teams will take the protective actions listed therein. Prompt implementation of these actions should ensure that the personnel do not accrue radiation doses in excess of the limits promulgated by the Nuclear Regulatory Commission (NRC) in 10 CFR 50.47 (b)(11). These limits, established by the Environmental Protection Agency (EPA) for the general public and emergency workers, are the projected doses above which evacuation from a radiation area is mandatory. The EPA limits and TVA guidelines are provided in the following table:

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<u>Population at Risk</u>	<u>Dose Limit (Rem)</u>	
	<u>Whole Body</u>	<u>Thyroid</u>
General Population	5	25
Emergency Workers	10, 25	10, 125

TVA Guidelines

In general accordance with NRC recommendations [NUREG-0654, section II, K.4], team personnel will advise the Field Coordinator when their whole body dose exceeds 5 rem (DRD reading > 5 r). If circumstances warrant the team remaining in the radiation area, the whole body dose limit will be raised to that established for emergency workers. However, when possible, the Field Coordinator will direct the monitoring teams to evacuate a radiation area when their wholebody dose exceeds 10 rem (DRD readings > 10 r). Similarly, the protective action levels in attachment 3 were designed so that if the protective actions are implemented promptly the dose to the thyroid should be less than 10 rem. The protective actions listed in attachment 3 are recommended by the EPA and include the following.

- (a) The ingestion of 130 mg of potassium iodide (KI) to reduce the dose (commitment) to the thyroid from the inhalation of radioiodine, primarily ^{131}I . The proper dosage is one tablet per day for up to 10 days following exposure.
- (b) The use of full-face respirators to filter out radioactive particulates in the air and thereby reduce the dose (commitment) to the internal organs of the body.
- (c) The immediate evacuation of the personnel from the radiation area.

7.0 Documentation Requirements

- 7.1 In order to ensure that essential monitoring data are recorded properly, *the sampling teams will use the forms provided as attachments 5 and 8. The columns headed with the letters A through H are key parameters, which should be reported to the Field Coordinator. Whenever samples are sent to the screening van or TVA radioanalytical laboratories for analyses, they should be tagged with an identification label as shown below:

Sample Number _____

Sample Type _____

Sampling Parameters _____

Location _____

Time/Date _____

Remarks _____

*Revision

The sample number is composed of the four-digit radio call sign number assigned to the vehicle (refer to appendix 1) followed by a dash and the number of the sample (i.e., 9135-1, 9135-2, 9125-3, etc.). The *remaining information should be taken directly from attachment 8. Upon receiving air filter media samples, the screening team personnel will *record the information on the form provided as attachment 13. After performing the analysis, the screening team will report the important data (columns labeled with the letters A through H) to the Field Coordinator. He will in turn record this information on the form provided as attachment 4 for distribution to MSEC and the State.

8.0 Sampling Priorities and Procedures

To obtain the most important field data in a safe and timely fashion, the monitoring team will follow the instructions for monitoring given in this section.

8.1 Sampling Priorities

During the early phases of a radiological emergency, when protective actions (i.e., evacuation, sheltering, and/or ingestion of KI) must be initiated quickly to be effective, environmental measurements which can be used to calculate the inhalation dose commitment rate to the thyroid and the total body external gamma dose rates to the general public are the most important. Accordingly, monitoring teams will perform the following tasks as directed by the Field Coordinator.

- (a) Take exposure rate measurements at two meters, one meter, and at near contact with the ground surface.
- (b) Collect and analyze low-volume air samples for radiiodine (^{131}I).
- (c) Collect and analyze high-volume air samples for particulate activity.

However, air filter papers and cartridges will be sent to the screening van for analysis as soon as it is operational.

After the hazards from the inhalation pathway have been mitigated, the dose to the public must be determined from the ingestion of foodstuff directly or indirectly contaminated with radioactive fallout from the passage of the plume. In order to assess whether protective actions are warranted, numerous environmental samples must be taken from the areas known or suspected to have been traversed by the plume. Under the direction of the Field Coordinator, the monitoring teams will collect atmospheric and terrestrial samples.

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Atmospheric sampling is performed continuously at fixed locations (perimeter and local monitors). These installations are equipped to sample the air for radioiodine and particulate activity. In addition, radioactive fallout (heavy particulate) is collected on gum paper, and the soluble portion is collected with a rainwater sampler. Terrestrial sampling is accomplished by collecting vegetation, foodstuffs, water, and soil from areas suspected of being contaminated by fallout from the plume. Once collected, the sample *will be sent to WARL for analysis.

8.2 Environs Monitoring Procedures

8.2.1 Mobile Environs Monitoring

The mobile environs monitoring will be accomplished by sampling vans and a screening van. The sampling vans are equipped for making exposure rate measurements, collecting air samples and performing preliminary analyses for radioiodine and radioactive particulates. However, the samples will be sent by courier to the screening van, located outside of the radiation area, for analysis as soon as it is operational. Preselected sites for the screening van are given in *appendices 2 and 3. The screening van is equipped with a gamma-spectroscopy system for scanning air filter cartridges for radioiodine *and other gamma ray emitting radionuclides. Samples which are tested *positive will then be sent by courier to the radioanalytical laboratory for comprehensive analyses.

8.2.1.1 Exposure Rate Measurements

Exposure rate measurements will be performed with energy-compensated GSM and ionization survey meters. All survey data should be recorded on the data sheet provided as attachment 5. The operating instructions are provided in attachment 6.

The GSMs, which have sealed, weathertight probes, are the preferred instruments for inplume monitoring. The ionization survey meter is an air ion chamber which is vented to the atmosphere. Consequently, care must be exercised to prevent the infiltration of radioactive gas or other contaminants (such as moisture, dust, oil, vapor, etc.) into the chamber. The presence of any of these contaminants can cause erroneous readings (erratic or upscale). To prevent contamination, the instruments must be enclosed in an airtight plastic bag prior to entry into the adverse environment.

*Revision

Measurements should be taken at two meters, one meter, and at near contact with the ground surface. Any statistically significant increase in the count rate for the near-contact reading over the one at two meters could indicate the presence of ground contamination.

8.2.1.2 Air Sampling

Sampling for airborne radioiodine and radioactive particulates will be performed with vacuum pumps (air samplers) and high-efficiency silver zeolite cartridges and/or paper filters. Sampling parameters and data will be recorded on the form provided as attachment 12. Sampling instructions and precautions are provided in attachment 9. Filter cartridges will be sent to the screening van for analyses whenever possible. This vehicle is equipped with a gamma spectroscopy system, which features a multichannel analyzer, germanium detector, and scintillation detector. Complete operating instructions are provided in attachment 14. For maximum counting efficiency this van will be located outside of the radiation area, preferably at one of the predesignated locations listed in appendices 2 and 3. However, if the screening van is not operable, cartridges can be analyzed at the sampling site provided the background radiation level is less than 10 mR/h and the amount of activity accumulated in the cartridges does not exceed the detection limit of the counting equipment. Under these conditions, the cartridges can be analyzed with a single-channel analyzer and scintillation probe. In addition, particulate filters can be analyzed with the scaler and thin-window GM probe. Complete operating instructions are provided in attachment 13. Sampling parameters and data will be recorded on the form provided as attachment 3.

In conditions where the background radiation level is greater than 10 mR/h, the monitoring team should relocate outside of the radiation area to perform the analyses. When a cartridge cannot be counted with the standard monitoring van equipment, it should be surveyed with a GMSM (beta shield closed) and then sent via the screening van to WURL for comprehensive analysis. Correction factors for converting GMSM readings, taken on contact with cartridge, to radioiodine air activity are given in attachment 9. However, it is important to limit sampling time in high airborne activity areas since TVA radioanalytical laboratories cannot analyze samples with contact exposure rates greater than 100 mR/h.

8.2.2 Aerial Environs Monitoring

The Environs Assessment Supervisor will have the option of dispatching a monitoring team in a TVA helicopter to perform exposure rate measurements of the airborne activity in the plume or of ground contamination. All pertinent data collected from the surveys will be recorded on the form provided as attachment 5.

*Revision

8.2.2.1 Gamma Exposure Rate Measurements

The aerial monitoring team will be equipped with 3 exposure rate measuring instruments, which cover the range from 1 μ R/hr to 10 r/hr. In order of decreasing sensitivities they are: scaler equipped with a scintillation detector, GMSM, and ionization survey meter. The scaler will be adjusted for gross gamma counting and the scintillation probe will be housed in a holder and mounted on the helicopter skid as *specified in attachment 7. The probe can be mounted either in a horizontal forward-looking position or a vertical down-looking position. Count rate measurements taken with the detector in the horizontal position can be used to define the position, dimensions, and centerline of the plume. Measurements taken with the probe in the vertical position can be used to locate areas with significant ground contamination.

Should the exposure rate exceed the detection level of the scintillation detector (\sim 1/mR/hr), team personnel are required to monitor the exposure rate inside the passenger compartment with a GMSM or ionization survey meter if necessary. The complete operating instructions for these instruments are provided in attachment 6.

8.2.3 Fixed Environs Sampling

*Under the direction of the Field Coordinator, special teams will be *assigned to collect environmental samples from perimeter and local monitors. The particulate (paper) and radioactive (charcoal) air filters should be collected first. If time permits, the heavy particulate sample (gum paper) and a sample of the rainwater should be taken. All samples should be sent by courier via the screening van *to TVA radioanalytical laboratory for comprehensive analyses. The sampling parameters will be recorded on the form provided as *attachment 8. The instructions for collecting the samples are *provided in attachment 11.

8.2.4 Terrestrial Monitoring

Under the direction of the Field Coordinator, monitoring teams will collect environmental and TLD samples. These samples include vegetation, soil, surface and well water, foodstuffs, and milk. Sampling *parameters will be recorded on the form provided as attachment 8. Complete listings of the environmental monitoring sites are provided in appendices 2 and 3. The instruction for collecting the samples are *provided in attachment 12.

*Revision

ATTACHMENT 1

ENVIRONS MONITORING VAN EQUIPMENT CHECKLIST

- A. Monitoring team leaders shall enter a check in the blank to the left of each item loaded in the van (or helicopter) prior to departure. (The following equipment is stored in the MSEC.)

_____ 2 Ludlum 2200 scalers with dedicated NaI scintillation probes
_____ 2 ionization survey meters (RO-2A)
_____ 2 GMSMs (Ludlum 14C or E-530)
_____ 1 Ba-133 check source
_____ 1 Cs-137 calibration source
_____ 1 Low-volume air sampler (Radeco)
_____ 1 High-volume air sampler (Staplex)
_____ 1 Scintillation probe holder for aerial use, with clamps (if applicable)
_____ 1 Frisker with pancake probe

Time/Date

Team Leader

General Revision

ATTACHMENT 1 (Continued)

- B. The following supplies are contained in each emergency van. All cabinets are presealed. Each time a van is used the team will resupply it according to the following list upon return to the MSEC.

Drawer 1

2 flashlights
2 DC power cords for MS-2

Drawer 2

Scissors
1 calculator with battery
1 set allen wrenches
1 pr. tweezers
1 stop watch
5 pencils
3 pens

Cabinet A

MSEC-IPD (controlled copy)
10 ea. data forms
25 sample envelopes
1 ball of twine
2 steno books
1 logbook
1 Radiological Health Handbook
1 Ludlum 2200 manual
1 set gummed sample labels
10 contamination tags
10 radiation tags
1 calculator manual
10 clear plastic bags
1 box Saran Wrap

Cabinet B

10 silver zeolite cartridges
1 box 4" paper filters
1 box 2" paper filters
2 boxes smear discs with envelopes
4 200 mR direct-reading dosimeters
2 5R direct-reading dosimeters
1 dosimeter charger
2 TLD badges
8 "D" cell batteries
2 bottles KI
1 filter cutter

General Revision

ATTACHMENT 1 (Continued)

6 planchets
2 ea. 10- and 50-mile EPZ maps for each plant site
1 ea. State road maps of TN, AL, GA

Cabinet C

1 First Aid Kit
Tape
Pliers
Screwdriver
1 box of fuses (Ludlum 2200)
1 4-in. putty knife

Cabinet D

For survey meter storage

Cabinet E

2 hardhats
30 plastic bags (large)

Cabinet F

2 facemasks with cartridges
2 pr. paper coveralls
2 pr. canvas coveralls

Cabinet G

24 pr. rubber gloves with inserts
2 pr. work gloves
5 pr. rubber shoe covers
24 pr. plastic booties
2 hat liners
2 rain suits

Cabinet H

15 petri dishes
15 marinelli beakers

Cabinet K

2 environmentally-packaged air samplers (when available)

ATTACHMENT 1 (Continued)

Cabinet L

1 100-ft. extension cord
1 set jumper cables
1 funnel

Cabinet M

10 sample jugs
1 hammer
1 siphon hose
1 set pliers
1 set screwdrivers
1 set wrenches
2 spotlights
1 flashing light

Cabinet N

2 environmentally-packaged air samplers (when available)

Cabinet P

1 set tire chains
1 jack and associated tools

Not in cabinets

1 GM probe in shield
1 ramp
1 ground pole
1 generator
1 gas can
1 sampler bracket
2 fire extinguishers
2 pr. insulated coveralls

Time/Date

Team Leader

General Revision

ATTACHMENT 2

PROTECTIVE AND PRECAUTIONARY MEASURES -
PRIOR TO ENTERING 10 MILE EPZ

Monitoring team leaders are required to enter a check in the blank to the left of each measure performed.

- _____ Each team member is equipped with one TLD and two DRDs (200 mR and 5 R fullscale). Dosimeters will be worn between the neck and waist.
- _____ Each team member has at ready access, a full-face respirator with filter cartridges.
- _____ Each team member has at ready access, one course (14 tablets) of KI.
- _____ GMSM turned on with selector switch adjusted to lowest range and the audio speaker activated. The instrument is positioned for continuous viewing and ready access.
- _____ *MS-2 miniscaler turned on, adjusted for gross gamma counting and positioned in the proper configuration for plume monitoring (applicable for aerial monitoring teams only).
- _____ All radiation detector probes are sealed in poly-plastic bags to prevent contamination.
- _____ Contacted Field Coordinator to confirm completion of protective and precautionary measures.

Time/Date

Team Leader

*Revision

ATTACHMENT 3

PROTECTIVE ACTION LEVELS AND RECOMMENDED

PROTECTIVE ACTIONS

<u>Protection Action Levels</u>	<u>Recommended Protective Actions</u>
A. Survey Instrument Readings	
1. Radioiodine air activity is not known and survey meter readings > 25 mR/h	Take KI unless directed otherwise by Field Coordinator
2. GSM readings > 200 mR/h	Evacuate radiation area unless directed otherwise by Field Coordinator
3. *ISM readings > 10 R/h	Evacuation of radiation area mandatory, contact Field Coordinator
B. Direct-Reading Dosimeter Measurements	
1. DRD total measurement > 5 R	Contact Field Coordinator and advise
2. DRD total measurement > 10 R	Evacuate radiation area unless directed otherwise by Field Coordinator
3. DRD total measurement > 25 R	Evacuation of radiation area mandatory
C. Air Sample Measurements	
1. Radioiodine (^{131}I) air activity > 3.6×10^{-7} $\mu\text{Ci/cc}$ (40 MPC)	Take KI unless directed otherwise by Field Coordinator
2. Radioiodine (^{131}I) air activity > 4.5×10^{-6} $\mu\text{Ci/cc}$ (500 MPC)	Take KI and contact Field Coordinator
3. Particulate air activity > 4×10^{-8} $\mu\text{Ci/cc}$ (40 MPC)	Full-face respirator recommended, unless directed otherwise by Field Coordinator
4. Particulate air activity > 5×10^{-7} $\mu\text{Ci/cc}$ (500 MPC)	Full-face respirator required, contact Field Coordinator
5. Particulate air activity > 2.5×10^{-6} $\mu\text{Ci/cc}$ (2500 MPC)	Evacuation of radiation area mandatory, contact Field Coordinator.

*Revision

Page _____ of _____

Date _____

Abbreviations	⁵ Survey Instruments GSM—GM Survey Meter ISM—Ionization Survey Meter	Fixed Monitoring Samples P—Particulate (paper filter) HP—Heavy Particulate (gum paper) RI—Radionuclide (charcoal filter) RW—Rainwater	Terrestrial Samples DR—Direct Radiation (TLDs) M—Milk V—Vegetation (grass) WW—Well Water DWSS—Drinking Water from Surface Sources S—Soil
---------------	---	---	--

^{**} MS 2/SPA-3 (VDL or HPL) = miniaturized with scintillation detector in vertical down looking position or horizontal forward looking position.

Additional Comments

- 13. Potassium iodide (KI) recommended
- 1. Evacuation recommended
- 2. Evacuation mandatory
- 24. Cyanide contamination
- 1. Evacuation recommended
- 2. Evacuation mandatory
- 34. Potassium iodide (KI) recommended
- 1. Potassium iodide (KI) mandatory
- 44. Respiratory protection recommended
- 1. Respiratory protection mandatory
- 1. Evacuation mandatory

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ATTACHMENT 6

*OPERATING INSTRUCTIONS - GMSM, IONIZATION SURVEY METERS,
AND DIRECT-READING DOSIMETERS

1. *GMSM Ludlum 14 (Eberline E-530 with HP 270, 240, 177C probes)

A. General

1. Assure that the instrument has a current calibration sticker (3-months calibration interval).
2. Check batteries - in BATT position the meter should indicate within the BATT OK area.
3. The meter reading (mR/h or cpm) must be multiplied by the appropriate scale multiplier (X10, X1.0, X0.1, X0.01) to obtain the correct measurement.
4. Audible speakers attached to GMSM contain a battery and have an ON-OFF switch.

B. Operation

1. Inplume measurements are to be performed with the instrument enclosed in a protective plastic bag to prevent contamination.
2. *Unless otherwise directed, exposure rate measurements are to be made with the beta shield closed. Measurements are to be taken at two meters, one meter, and at near contact with the ground surface.
3. Contamination surveys, if requested by Field Coordinator, will be performed at near contact with the surface. The beta component of the radiation is taken to be the difference in readings with the beta shield open versus closed.

2. *Ionization Survey Meters (i.e., Nuclear Research Corp. CP-2, CP-10, or Eberline RO-2A).

A. General

1. Assure that the instrument has a current calibration sticker (3-months calibration interval).
2. Check batteries - a BATT test position is provided; the meter reading should indicate within the BATT TEST or BATT OK position.
3. The meter readings (mR/h or mrad/h) must be multiplied by the scale multiplier to obtain the correct readings.

Revision

ATTACHMENT 6 (Continued)

4. These instruments are designed to measure gamma and beta radiation. The protective "end caps" are removable for measuring low-energy *photon (< 100 keV) and beta radiation when requested.

B. Operation

1. Inplume measurements are to be performed with the entire instrument enclosed in a protective plastic bag to prevent contamination.
2. Check battery - BATT position
3. Zero the instrument - ZERO SET position and adjust scale reading *to "0." The instrument can be zeroed in a radiation field.
4. Adjust the range switch to the lowest multiplier which permits an on-scale reading. Record the measurement.
5. Inplume exposure rate measurements are to be performed at two meters, one meter, and at near contact with the ground surface.
6. Contamination surveys are performed with the detector at near contact with the surface. Both beta and gamma measurements should be taken.

3. Direct-Reading Dosimeters

A. General

1. This dosimetry system is composed of a small cylindrical self-reading (direct) dosimeter and a charger/reader unit.

B. Operation

1. Reading the dosimeter is accomplished by holding the device up to a light source and looking through the optical end. The position of the dark line (shadow of the fiber) on the graduated scale indicates the exposure to the meter.
2. Zeroing the dosimeter is accomplished by firmly coupling the dosimeter to the charger/reader device, and while viewing the illuminated scale, adjust the zero control to position the thin dark line to the zero position.
3. Remove the dosimeter from the charger/reader unit and read to be sure it is zeroed properly.

*Revision

ATTACHMENT 7

*INSTRUCTIONS FOR MOUNTING AND USE OF SODIUM-IODIDE (NaI)
DETECTOR AS AN AIRBORNE RADIATION MONITOR

1. Equipment Required

- 1 Miniscaler Model:MS-2
- 1 Scintillation Probe Assembly (SPA-3)
- 1 Scintillation Probe Holder for Helicopter (w/clamps)
- 1 Power Converter Model PSI/1 (step-down transformer)
- 1 Roll Nylon Tape

2. Equipment Preparation and Mounting

- (a) Remove front of scintillation probe holder and insert the scintillation probe. The cable should be inserted first and should extend through the opening on the back of the holder.
- (b) Place the cover on the front of the holder and lock into place. Further secure the cover by wrapping nylon tape around the holder and front cover.
- (c) Mount the scintillation probe and holder on the helicopter skid using the four clamps provided with the holder. Precautions should be taken to preclude the holder from becoming loose and falling off the skid during flight. The holder should be placed in position to permit the cable to extend into the cockpit. NOTE: The probe may be mounted either parallel or perpendicular to the ground--parallel for plume movement, etc.; perpendicular to determine ground deposition.
- (d) Place miniscaler inside the cockpit and connect probe cable to the detector connector.
- (e) Connect power converter to miniscaler battery outlet on the back of the scaler.
- (f) Connect the power converter to the helicopter battery using the red (+) and black (-) alligator clamps. The power converter converts the 28V from the helicopter battery to 14V. The MS-2 can operate at 7.5-14V at 1.0 amp load.

ATTACHMENT 9

AIR SAMPLING INSTRUCTIONS

A. AC Power Source

*Park the van so that the air samplers face the plant. Monitoring teams should utilize AC power outlets at siren sites, perimeter or local monitors, if possible. However, if electric power is not available, use the portable generator according to instructions given below:

1. Remove the generator from the vehicle.
2. Fill the fuel tank.
3. *If lightning threatens, implant the ground pole at least one foot into the ground, and attach the generator ground lead to the ground pole.
- *4. *Attach extension cord from generator to van.
- *5. *Position air sampler on support.
- *6. Plug in air samplers with ON-OFF switches in OFF position.
- *7. Start generator.
- *8. When generator is fully operational, turn on air samplers to test operability.

B. High-Volume Air Sampling for Radioactive Particulates

1. Mount the paper filter (rough side facing out) on the air sampler.
2. Turn air sampler on and note the flow rate in ft^3/min . (note rotometer value and refer to calibration curve) and the sampling start time.
3. Collect an air sample for 5 minutes ($\sim 100\text{-}125 \text{ ft}^3$ at $20\text{-}25 \text{ ft}^3/\text{min}$).
4. Remove the filter and carefully cut out the center section (1/4 of filter area) using the filter cutters.
5. *Analyze the filter disc using the Ludlum 2200 and GM probe.
*Refer to attachment 10 for the operating instructions and methods for calculating the radioactive particulate air activity.
6. Record sampling parameters and data on the form provided as attachment 8.
- ***7. Place filter in petri dish, and place the dish in an envelope. Label in accordance with section 7.1 and transfer to courier.

C. Low-Volume Air Sampling For Radioiodine

1. Mark the side of the cartridge with an arrow pointing the direction *of the air flow.
2. Mount the silver zeolite cartridge with paper prefilter (rough side out) on the air sampler.

*Revision
***Addendum

ATTACHMENT 9 (Continued)

3. Turn air sampler on and adjust the flow rate to 2 ft³/min. Record the time the sampler was started.
4. *Collect an air sample for 15 minutes (~ 30 ft³ at about 2 ft³/min), however, reduce sampling time if cartridge has contact exposure rates of > 1 mR/h.
5. *Remove the filter and cartridge from the air sampler and seal in plastic wrap.
6. Survey the cartridge with GMSM (beta shield closed).

**

- *7. Cartridges with contact exposure rates < 1 mR/h can be analyzed with the Ludlum 22C0 and scintillation probe. Refer to attachment 10 for operating instruction and methods for calculating the radioiodine (¹³¹I) air activity.
- *8. Cartridges with contact exposures > 1 mR/h should not be analyzed with the miniscaler and scintillation probe. These cartridges should be sent directly to the screening van for processing.
- *9. The monitoring team should contact the Field Coordinator for instructions. For the safety of the monitoring team, the radioiodine (¹³¹I) air activity can be approximated from the contact exposure rate as follows:

$$\mu\text{Ci/cc} = \frac{\text{Contact Exposure Rate (mR/h)} \times 1.8 \times 10^{-4}}{\text{Sample Volume (ft}^3\text{)}}$$

- *10. Record the sampling parameters and data on the form provided as attachment 8.
- *11. *Place filter in a petri dish, and place the dish and cartridge in an envelope and label in accordance with section 7.1.
- *12. *Transfer the filter to the courier as soon as possible.

*Revision
**Deletion

ATTACHMENT 10

Operating Instructions - Ludlum 2200 With
GM and Scintillation Detector Probes

These procedures are to be used with the instrument settings and reference readings listed in the instructions attached to the cover of the scaler. The half-life of Ba^{133} is 10.7 years. The half-life of ^{137}Cs is 30.0 years. Decay corrections will be made in accordance with the van inventory procedure.

I. Gross Beta-Gamma Counting with GM Detector

A. Initial Settings

1. Set the HV knob to zero.
2. Set the power switch to BAT.
3. Check for proper battery power by turning the RATE/HV/BAT switch to BAT and observing the meter indication. If the batteries fail, other rechargeable batteries must be used, or the unit may be operated on AC power when the van is connected to an AC power source.

CAUTION: DISPOSABLE BATTERIES SHOULD BE USED ONLY AS A LAST RESORT. DISPOSABLE BATTERIES INADVERTENTLY LEFT IN THE UNIT WHEN THE POWER SWITCH IS TURNED TO "CHG" COULD CAUSE CONSIDERABLE DAMAGE.

NOTE: THE RECHARGEABLE BATTERIES SHOULD BE GOOD FOR 24 HOURS OF CONSTANT USE BEFORE RECHARGING IS NECESSARY.

The RATE/HV/BAT switch can be reset to any of the three functions without affecting operation of the scaler.

4. Set a value of 1 in the MINUTES window of the timer and X1 on the knob.
5. Connect the GM probe to the scaler.
6. Adjust the HV control to the setting specified on the cabinet.
7. Adjust the THRESHOLD to 8.0.
8. Set the WINDOW on/off switch to OFF.

ATTACHMENT 10 (Continued)

9. Set the response switch to S, and the meter RANGE to X100. RANGE can be changed at any time to keep an on-scale reading:

CAUTION: THE GM PROBE HAS A THIN, END WINDOW. ALWAYS BE CAREFUL WHEN POSITIONING A SAMPLE FILTER OR CALIBRATION SOURCE: THE WINDOW MUST NOT BE PUNCTURED.

B. Efficiency Calibration

CAUTION: THE CALIBRATION SOURCE IS COVERED BY VERY THIN MYLAR WHICH IS EASILY PUNCTURED. HANDLE IT CAREFULLY.

1. Place the ^{137}Cs calibration source planchet on the shelf closest to the probe, but not touching it.
2. Obtain a 1-minute gross count, and record it in the logbook.
3. Remove the calibration source and obtain a 1-minute background count.
4. Record the background count in the logbook.
5. Subtract the background count rate from the gross count rate to obtain the net count rate, and record in the logbook.
6. Divide the net count rate by the activity of the calibration source in disintegrations per minute, according to the following equation:

$$\text{Efficiency} = \frac{\text{Net Count Rate}}{\text{Activity } (\mu\text{Ci}) \cdot 2.2 \times 10^6}$$

C. Sample Analysis

NOTE: All data will be recorded on attachment 8 to MSEC IP-9.

1. Obtain and record a 1-minute background count.
2. Place the filter disk on the planchet (rough side up) and insert it on the same shelf used for efficiency calibration.
3. Obtain and record a 1-minute gross count rate.
4. Determine and record the net sample count rate.

ATTACHMENT 10 (Continued)

5. Calculate and record the particulate air activity using the following equation:

$$\text{Activity } (\mu\text{Ci/cc}) = \frac{\text{Net sample count rate (cpm)} \cdot 6.42 \times 10^{-11}}{\text{Efficiency} \cdot \text{Sample Volume (ft}^3\text{)}}$$

NOTE: MPCa for unknown beta-gamma emitting radioisotopes
= 1×10^{-9} $\mu\text{Ci/cc}$

II. Gamma Spectroscopy with Scintillation Detector

A. Initial Settings

1. Set the HV knob to zero.
2. Set the power switch to BAT.
3. Check for proper battery power by turning the RATE/HV/BAT switch to BAT and observing the meter indication. Then reset the switch to RATE. This switch can be reset to select any of the three functions at any time. If the battery indication is unacceptable, see I.A.3.
4. Set a value of 1 in the MINUTES window of the timer and XO.1 on the knob.
5. Connect the sodium iodide (NaI) detector to the scaler.
6. Adjust the HV, THRESHOLD, and WINDOW knobs to the settings specified in the instructions on the cabinet.
7. Set the WINDOW ON/OFF switch to ON.
8. Set the response switch to S, and the meter RANGE to K1K. RANGE can be changed at any time to keep an on-scale reading.

B. Response Check

1. Place the ^{133}Ba check source in the shield and lower the probe to make contact with the check source.
2. Beginning with the initial setting, adjust the threshold up and down scale (no more than ± 0.30), taking a series of 0.1-minute counts to locate the threshold setting that yields the highest count rate. When you get close to this maximum (within about ± 0.10), it will probably be necessary to take three or more counts for each threshold setting to see statistically significant differences. Record all counts and threshold settings in the logbook.

ATTACHMENT 10 (Continued)

3. Set the threshold on the value that provides the highest count rate. Record this value in the logbook.
4. Change the timer knob setting to XI and obtain a 1-minute count. Record in the logbook.
5. Remove the check source and obtain a -minute background count. Record in the appropriate column of form 9.
6. Subtract the background count rate from the gross count rate to obtain the net count rate. Record this in the logbook.
7. Normalize the net count rate by dividing the net count rate by the activity of the check source in μCi . The result will be in units of counts per minute per microcurie (cpm/ μCi).
8. If the normalized count rate in step 15 is not within ± 10 percent of the reference reading specified on top of the instrument cabinet, do not use the instrument for NaI counting. It may be used, however, for GM counting if proper response checks can be obtained. Repeat the instrument response checks utilizing the other scaler.

C. Sample Analysis

NOTE: Record all data on attachment 8 of MSEC IP-9.

1. Place the silver zeolite cartridge in a plastic bag to prevent contamination of the probe and shield.
2. Obtain and record a 1-minute background count.
3. Place the cartridge on a shelf in the shield and lower the probe to make contact with the cartridge.
4. Obtain and record a 1-minute gross sample count.
5. Determine and record the net sample count rate.
6. Calculate the iodine air activity with the equation given in the instructions attached to the top of the scaler. The equation has the form:

$$\mu\text{Ci/cc} = \frac{\text{Net count rate (cpm)} \cdot \text{correction factor}}{\text{Sample volume (ft}^3\text{)}}$$

Note: MPCa for $^{131}\text{I} = 9 \times 10^{-9} \mu\text{Ci/cc}$

7. Record the calculated activity in the appropriate column of attachment 8.

ATTACHMENT 12

INSTRUCTIONS FOR COLLECTING ENVIRONMENTAL SAMPLES

A. Direct Radiation

1. Remove the in-place TLD from its holder.
2. Exchange it with an annealed TLD.
3. Place additional TLDs at locations directed by the Field Coordinator.
4. Record sampling parameters on form provided as attachment 3.

B. Milk

1. At the direction of the Field Coordinator, proceed to the designated farm.
2. Contact the farm owner and request that he sell TVA a sample of milk.
3. Obtain at least one gallon (preferably two gallons, unless otherwise notified).
4. Label the container with the date, time, location, and the collector's initials.
5. Record sampling parameters on form provided as attachment 3.

C. Vegetation

1. Proceed to the area as directed by the Field Coordinator.
2. Cut or break at ground level one and one-half to two kilograms *of grass and pack tightly into a Marinelli beaker. (Efforts should be made to collect vegetation representative of the pasturage where cattle graze or representative of edible vegetation.)
3. *Seal the beaker and label with date, time, location, type of sample, and the initials of the collector.
4. Record sampling parameters on form provided as attachment 3.

D. Poultry and Food Crops

1. Proceed to the sampling location as directed by the Field Coordinator.
2. Purchase the designated sample from the source.

*Revision

ATTACHMENT 12 (Continued)

3. *Remove the top one-half-inch layer of soil and place it in a
*Marinelli beaker.
4. *Seal the beaker and label with the date, time, location, type of
sample, and the collector's initials.
5. Record sampling parameters on form provided as attachment 8.

*Revision

ATTACHMENT 14 (Continued)

12. Set PRESET to LIVE.
13. Set TIME BASE (lower switch) to 00.
14. Set VERTICAL SCALE to 5K.
15. Adjust AMP switch to IN position.
16. Adjust ADD/SUB switch to ADD position.

C. Source Calibration

1. *Place ^{109}Cd , ^{137}Cs , and ^{60}Co check sources on detector and close shield.
2. Depress CLEAR switch to TIME position to zero time and then raise to DATA position to clear screen.
3. Push the ACQUIRE button--light indicates that the analyzer is in the acquiring data.
4. Four defined photopeaks should appear on the screen.
5. Adjust the HORIZONTAL/EXPAND control so that the entire spectrum appears on the screen.
6. Move the CURSOR control and compare the peak channel number for each of the photopeaks with the values listed in the table below.

<u>Radioisotope</u>	<u>Gamma Energy (KeV)</u>	<u>Channel Numbers</u>
^{109}Cd	88	45
^{137}Cs	662	331
^{60}Co	1173	585
	1332	665

7. If the center of the photopeak falls within plus or minus one channel of the values listed in the table (step C6), the analyzer is calibrated to approximately 2 KeV per channel.
8. Lock the GAIN dial to preserve the calibration.
9. If the analyzer is not calibrated properly, adjust GAIN to shift the spectrum to the right or left on the screen.

*Revision

APPENDIX 1
OPERATING INSTRUCTIONS - MOBILE
COMMUNICATIONS SYSTEMS

A. FM Transmitter/Receivers

All TVA vans dedicated for emergency radiological monitoring are equipped
*with two-way radios. Operate the units only while the vehicle's engine
*is running. Then readjust the ON-VOLUME and SQUELCH controls to the
proper loudness.

When making a radio-call, depress the button on the hand microphone and
speak directly into it. All communications should begin with the caller
identifying himself by his call number (refer to table 1) and then
identifying the station he is trying to contact by its call numbers. At
the end of the transmission, the caller should say the word "over" to
indicate that he is finished and waiting for a response. As an example
of a transmission:

"This is 9139 calling K1F253, . . over."

The receiving stations should reply:

"This is K1F253, go ahead with your transmission 9139, over."

After the information has been transmitted in a timely and professional
manner, each station should sign off by stating their call number and the
word "clear." As there is currently only one frequency which is utilized
for the transmission of field data from the monitoring team to the Field
Coordinator, the amount of time required for transmitting information
should be kept to a minimum.

B. Mobile Telephones

*TVA vans, license numbers TV-10261 and -10203 are equipped with mobile
*telephones. Operate the telephone only when the vehicle's engine is
*running. To make a call, first select the proper frequency channel for
the area that you are located in. A complete listing of the available
channels is in the National Mobile Telephone Service Area Listings booklet
which is stored in the glove compartment of each vehicle. Next pick up
the receiver, the green indicator light on the unit will light when the
channel is clear and the red will light when it is busy. If the channel
is clear, wait two or three seconds for a dial tone and dial the number
or contact the operator for assistance.

Telephone numbers for the vans, emergency centers, and facilities are
provided in table 2.

*Revision

Table 1¹
Radio Call Signs

<u>Location</u>		<u>Call Sign</u>
*MPB	MSEC	*KIF 253(BFN), KIF 252M(SQN)
	Mobile Units:	
	Laboratory Services - TV-29346	9148
	TV-29349	9149
	Radiological Hygiene - TV-10203	9139
	TV-10261	9147
	TV-10278	9130
	TV-10263	9131
	TV-10279	9132
	Portable Units:	
	Radiological Hygiene	Portable 1
		Portable 2
		Portable 3
	Industrial Hygiene (MPB)	9116P
		9117P
		9118P
BFN	Met Station/Control Room	KIF 254
	Mobile Unit TV - 10219	9133
SQN	Met Station/Control Room/HP LAB	KIF 252
	Mobile Unit *TV - 10395	9145
	FCC Lovell Field	KIF 252 F
WBN	Met Station	KTD 273
	Mobile Unit *TV-10396	9134
EDB	Water Quality Branch	
	(Base - c/o Mahlon Taylor)	KTD 260
	Mobile Units TV-29257	9142
	TV-29287	9141
	Portable Units	9120P
		9121P
EARL (Vonore)	Base Station	KPA 218
	Mobile Units TV-10238	9144
	TV-29370	9129
SEOC (Decatur)	Base Station	KPA 263

¹NOTE: A copy of this table is in each emergency radiological monitoring vehicle on the driver's side sun visor.

*Revision

Table 2

Emergency Telephone Directory

<u>Emergency Monitoring Vehicles</u>	<u>Telephone Numbers</u>
TVA van TV-10261	381-2190
TVA van TV-10203	381-2160
(Channels: YS(11)-JS(15)-YR(19)-JR(23)(152-162 MHz)	
<u>Emergency Centers</u>	
Muscle Shoals Emergency Center	(205) 386-2811
Multipurpose Building	(205) 386-2075
Muscle Shoals, Alabama	(205) 386-2991
Central Emergency Control Center	*(615) 751-0200
Chestnut Street Towers II	
Chattanooga, Tennessee	
State Emergency Operation Center	(615) 355-1680
Morgan County Court House	(615) 355-9520
Decatur, Alabama	
Field Control Center	(615) 892-0844
National Guard Armory (Lovell Field)	(615) 892-1366
Chattanooga, Tennessee	
<u>Nuclear Plant Health Physics Staff</u>	
Browns Ferry Nuclear Plant	(205) 729-6488
Sequoyah Nuclear Plant	(615) 751-0328
Watts Bar Nuclear Plant	(615) 365-4354
<u>Meteorological Towers (Environment Data Stations)</u>	
Browns Ferry Nuclear Plant	(205) 729-6917
Sequoyah Nuclear Plant	(615) 842-9271
	(615) 842-9201
<u>TVA Transportation Branch Garages</u>	
Muscle Shoals	(205) 386-2421
Chattanooga	(615) 751-5550
Knoxville	(615) 632-3524

*Revision

ENVIRONMENTAL MONITORING LOCATION

BROWNS FERRY NUCLEAR PLANT

(Continued)

<u>Perimeter Monitors (con't)</u>	<u>Map Coordinates</u>
1. PM-1 BF (Rogersville)	Rogersville substation one mile N of Rogersville on Alabama Hwy. 207 NW $\pm 13^2$
2. PM-2 BF (Athens)	Athens substation just west of intersection of U.S. Hwy. 72 bypass and bus route 72 NE +10 ENE -10
3. PM-3 BF (Trinity)	Trinity substation, one mile south of Alabama, Hwy. 20, two miles west of Monsanto entrance SSE -7
4. PM-4 BF (Courtland)	North side of Alabama, Hwy. 20, one mile east of Courtland WSW +10
<u>Remote Monitors</u>	
1. RM-1 BF (Muscle Shoals)	*NE corner of the *WARL Building W $\pm 32^3$
2. RM-2 BF (Lawrenceburg, TN)	At Lawrenceburg substation, one mile north of Lawrenceburg, 0.2 mile west of U.S. Hwy. 43. NNW ± 40

²The station is located near the middle of the sector and, depending on the map used, may fall into either the NW, +13 or the NW, -13 sector.

³The station is located in the W sector at a distance exceeding the range of the map; therefore, the + or - portion of the sector is not easily determined.

*Revision

ENVIRONMENTAL MONITORING LOCATION

BROWNS FERRY NUCLEAR PLANT

(Continued)

<u>Milk</u>		<u>Map Coordinates</u>
Brooks Dairy	*7 miles NW of plant, 1 mile S on U.S. 72 on the first road E of Clements School	NNW -6,7 ⁴
*Page Dairy	*8.75 miles E of plant *in Tanner, Alabama, past *Tanner School, near *Methodist church	
Smith Dairy	5 miles N of plant on snake Road, 1/2 mile E of Shaw Road (plant access road from U.S. 72)	N ± 4,5
Looney Dairy	1 mile NE of intersection of Reid Community, 5 miles NE of plant on Athens-Browns Ferry Road	ENE -6
**		
Control Dairies	(The following dairies are listed as control dairies; however, additions, substitutions, and/or deletions may be made as needed.	
Newton Dairy	Approximately 5 miles E of Loretto, Tennessee, near the Five Points Community	NW, 27
***Campbell Dairy	N of Hwy 72, E of Harvest Road	E, 22
***Morring Dairy	Approximately 1/4 mile W of Harvest, Alabama	ENE, 22

⁴The station is near the 7-mile ring and, depending on the map used, may fall into either the NNW, -6 or the NNW, -7 sector.

*Revision
 **Deletion
 ***Addendum

ENVIRONMENTAL MONITORING LOCATION

BROWNS FERRY NUCLEAR PLANT

(Continued)

<u>Milk (con't)</u>		<u>Map Coordinates</u>
Jennings Dairy	Approximately 4 miles E of Lawrenceburg, Tennessee, on Mars Hill Road	NNW, 40
Curry Dairy	Approximately 3 mile S of of Pulaski, Tennessee, on Airport Road	N, 32
Carton Dairy	Approximately 1 mile S of Tuscumbia, Alabama, E of Jackson Highway	W, 32
<u>Vegetation</u>		
Dairy Farms	Every effort should be made to take these samples from the pasture on which cattle graze, or equivalent	N, ± 4.5
<u>Well Water</u>		
Observation Well #6		
Observation Wells 1-5		
Control Well	Smith Farm	
<u>Public Water</u>		
Champion Paper Company	Automatic water sampler at Champion water intake structure	WNW, -10
Decatur	Bait Shop at boat harbor, north of Keller Memorial Bridge	SE, -10
*Muscle Shoals (TVA reservation)	*WARL	W, 32
Wheeler Dam	Public Safety Office on S side of dam	WNW, 15, 16
*Revision		

ENVIRONMENTAL MONITORING LOCATION

BROWNS FERRY NUCLEAR PLANT

(Continued)

<u>Food Crops</u>	<u>Map Coordinates</u>
Poultry	Local farmers, or Conagra, Athens
Vegetables	Private vegetable gardens in Paradise Shores area or Turner's Store (locally grown produce only)
Grains	Limestone County Co-op, or local, if available
Fruits	Paradise Shores, if available, or Athens area
Control	Obtain comparable food crops grown at a distance of at least 10 miles from the plant
<u>TLD</u>	Perimeter and remote monitors *and onsite and perimeter *locations
<u>River Water</u>	
Elk River	At bridge on Limestone County Road 99 between Good Springs and Athens
Browns Ferry Discharge	Collected by Field Operations at the discharge
Reservoir (samplers located at: TRM 285.2 TRM 293.3 TRM 305.0)	Collected by automatic samplers. Samplers serviced by Field Operations personnel and samples held at the Environmental Data Station for pickup by Radiological Hygiene personnel

*Revision

APPENDIX 3
ENVIRONMENTAL MONITORING LOCATIONS
SEQUOYAH NUCLEAR PLANT

Screening Vans

Map Coordinates

- | | | |
|--|--|-------------------|
| 1. PM-5 SQ (Georgetown) | Georgetown Substation on
S side of Tennessee Hwy. 60,
200 feet E of Tennessee
Hwy. 58 | NE, +9
ENE, +4 |
| 2. Forward Control Center | Air National Guard Armory
Lovell Field, Chattanooga | SSW ±14 |
| 3. Sale Creek Volunteer
Fire Department
Hall No. 1 | Hwy. 27, Sale Creek | N -10 |
| 4. PM-1 SQ (Northwoods) | Northwoods Substation 1
mile W of Hixson Pike on
Tennessee Hwy. 153. | WSW, -10 |

Local Monitors

(Environmental monitors with telemetry systems)

- | | | |
|-----------------------|---|----------|
| 1. LM-1 S (Southwest) | 50 feet behind SQN
Environmental Data
Station | SW, +1/2 |
| 2. LM-2 S (North) | Along plant road under
transmission lines, on N
side of plant, 150 feet
W of river | N, +1/2 |

Perimeter Monitors

- | | | |
|-------------------------------------|--|----------|
| 1. PM-1 S (Northwoods) | Northwoods substation, 1
mile W of Hixson Pike on
Tennessee Hwy. 153 | WSW, -10 |
| 2. *PM-2 S (Chester
*Frost Park) | *Chester Frost Park,
100 feet behind assembly
hall | SW, +3 |
| 3. PM-3 S (Soddy-Daisy) | Daisy substation 1/2
mile E of U.S. Hwy. 27 | W, +5 |

*Revision

ENVIRONMENTAL MONITORING LOCATIONS

SEQUOYAH NUCLEAR PLANT

(Continued)

<u>Milk (con't)</u>		<u>Map Coordinates</u>
*Jones Farm (when available)	W of Hixson Pike, approximately 200 yards N of plant access road	WNW, -1, 1-1/2, W, +1, 1-1/2
***H. Walker Farm (when available)	W of Hixson Pike at intersection with Igou Ferry Road NW of plant	NW, -1
Control Dairy	(The following dairy is listed as a control dairy; however, additions or substitutions may be made as needed.)	
Bilderback Dairy	Approximately 1 mile N of Hwy. 68 on the first road W of Hwy. 68/I-75 interchange, W of Sweetwater, Tennessee	NE, 43
Crumley Dairy	W side of Hwy. 58, approximately 1-1/2 miles N of the Hiwassee River	NE, -16
Shadden Dairy	Tennessee Hwy. 60, 2 miles N of Birchwood	NNE, 12

Well Water

*Selected Dairies (as described in section 3)

**

Observation Wells

Public Water

C. F. Industries	C. F. Industries potable water supply intake at TRM 473.0	SSW, ±9; SSQ, ±10
Chattanooga	Restroom at Chickmauga Dam Lock	SSW, ±11

*Revision
 **Deletion
 ***Addendum

ENVIRONMENTAL MONITORING LOCATIONS

SEQUOYAH NUCLEAR PLANT

(Continued)

Public Water (con't)

Map Coordinates

Dayton	Outside faucet at Dayton water filtration plant (RM-2 S)	NNE, 17
--------	--	---------

★★

E. I. Dupont & Company	Outside faucet at Dupont Plant on N side of north access road	SW, +11
Cleveland	Service station on Hwy. 60 at I-75, Cleveland, Tennessee	E, +11 ESE, -11

Food Crops

Poultry	Poultry grown near SQN, or Central Soya of Chattanooga, Inc. Call to determine when they are processing chickens from the SQN area
Vegetables	Private vegetable gardens in the SQN area or locally- grown produce from fruit stands in Soddy-Daisy
Grains	Local farmers, if available, or county co-op
Fruits	Fruit stands in Soddy-Daisy or Sale Creek (locally-grown fruits only)
Control Samples	Obtain comparable food crops grown at a distance of at least 10 miles from the plant
<u>TLD</u>	Perimeter and remote monitors and onsite locations

★★Deletion

Table 3

ATMOSPHERIC AND TERRESTRIAL MONITORING STATION LOCATIONS

SEQUOYAH NUCLEAR PLANT

<u>Sample Station</u>	<u>Location Approximate Distance and Direction from Plant</u>
***LM-1 S	***3/4 mile SW
LM-2 S	1/4 mile N
PM-1 S (Northwoods)	10 miles WSW
PM-2 S (Hamilton County Park)	3-3/4 miles WSW
PM-3 S (Daisy)	5-1/2 miles WNW
PM-4 S (Sale Creek)	10-1/2 miles N
PM-5 S (Georgetown)	9 miles ENE
PM-6 S (Work)	5 miles NE
PM-7 S (Harrison Bay)	3-1/2 miles SE
PM-8 S (Harrison)	8-1/2 miles SE
RM-1 S (Chattanooga, Riverside)	16 miles WSW
RM-2 S (Dayton)	17-1/2 miles NNE
(Identical with RM-2 WB, Watts Bar Nuclear Plant)	
Farm L	2-3/4 miles NNE
Farm M	3-1/2 miles NNE
Farm J	1-1/4 miles W
***Farm HW	***1-1/4 miles NW
Farm S (Control)	12 miles NNE
Farm C (Control)	16 miles NE
Farm B (Control)	43 miles NE

***Addendum

RADIOLOGICAL EMERGENCY PLAN

Revision Date: SEP 16 1983

This log sheet must be retained as the last page of the Division of Nuclear Power Emergency Center Implementing Procedures Document.

Reason for revision: _____

Inserted by: _____ Date Inserted: _____

<u>Pages to be Removed</u>			<u>New Pages to be Inserted</u>		
Part	Page Number	Revision	Part	Page Number	Revision
IP-3	Coversheet	7	IP-3	Coversheet	8
	2 of 4	6		2 of 4	8
	3 of 4	7		3 of 4	8
	4 of 4	6		4 of 4	8
			Att. 3	1 of 2	8
				2 of 2	8
IP-4	Coversheet	8	IP-4	Coversheet	9
	2 of 4	6		2 of 4	9
	3 of 4	8		3 of 4	9
	4 of 4	6		4 of 4	9
			Att. 3	1 of 2	9
				2 of 2	9
IP-5	Coversheet	8	IP-5	Coversheet	9
	2 of 4	6		2 of 4	9
	3 of 4	8		3 of 4	9
	4 of 4	6		4 of 4	9
			Att. 3	1 of 3	9
				2 of 3	9
				3 of 3	9

REP-IPD

DNPEC - IP-3

OPERATIONS DUTY SPECIALIST
PROCEDURE FOR ALERT

Prepared By: W. E. Webb, Jr.

Approved By: *W. E. Webb, Jr.*

Date: 9/25/81

<u>Rev. No.</u>	<u>Date</u>	<u>Revised Pages</u>	<u>Rev. No.</u>	<u>Date</u>	<u>Revised Pages</u>
<u>0</u>	<u>9/25/81</u>	<u>All</u>	<u>3</u>	<u>2/3/83</u>	<u>2</u>
<u>1</u>	<u>3/10/82</u>	<u>2, 3</u>	<u>4</u>	<u>2/24/83</u>	<u>3</u>
<u>2</u>	<u>OCT 26 1982</u>	<u>All</u>	<u>5</u>	<u>MAR 17 1983</u>	<u>All</u>

<u>Rev. No.</u>	<u>Date</u>	<u>Revised Pages</u>
<u>6</u>	<u>JUN 03 1983</u>	<u>All</u>
<u>7</u>	<u>JUL 07 1983</u>	<u>3</u>
<u>8</u>	<u>SEP 16 1983</u>	<u>2-4, Attachment 3--1-2</u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

Note: When making notifications of an emergency situation, provide only the information contained on the appropriate attachment. Avoid any unnecessary explanation, interpretation, or elaboration of the information. Timeliness and accuracy is of the utmost importance. Attachment 3 may be used as a more concise checklist in performing these notifications.

☆☆

6.1.1 Upon receiving a call from the Site Emergency Director:

1. Turn on recording equipment.
2. Receive information from the Site Emergency Director.
3. Log information on the appropriate attachment.
4. Conduct verification call to originating plant.

6.1.2 Notify the appropriate State agency by direct line. For the initial notification, provide only the basic information as indicated on the appropriate attachment. Request that the State make a verification callback, and at that time provide them the remainder of the attachment information.

After hours, the Alabama phone will be answered by the Department of Public Safety. Provide the officer with the basic information as indicated on attachment 1. Request that he contact the Radiological Health Staff and have them call the ODS for additional information. Provide the remainder of the attachment 1 information when the call is returned.

Alternate telephone numbers for these agencies are listed in the TVA Radiological Emergency Notification Directory.

Note: Notification to the State shall be made as soon as possible such that in all cases it is made within five minutes from when call is first received from the plant. Under this emergency classification, the ODS is the "primary contact" with the State. The ODS is relieved of this function by the CECC State Communicator once the CECC is staffed.

6.1.3 Notify the DNP EDO. (See the DNP Notification Board.)

6.1.4 Notify the MSEC Director. (See the DNP Notification Board.)

6.1.5 Notify the CECC Director and have him report to the center.
(See the DNP Notification Board.)

*Revision
**Deletion

- 6.1.6 Notify the DNPEC Director and have him report to the center. Ask the DNPEC Director who should be contacted as DNPEC Technical Communicator; Electrical and Instrument and Controls or Mechanical Branch representative. Determine if the DNPEC Director considers it necessary to call any technical support personnel at this time. If requested to do so, notify them last (see section 6.1.10). (See the DNP Notification Board.)
- 6.1.7 Notify the KEC Duty Officer and have him activate the KEC, if required. (See the DNP Notification Board.)
- 6.1.8 Notify the Load Coordinator of the condition.
- 6.1.9 Notify the key DNPEC staff (see the DNP Notification Board). Tell each person contacted what position he is reporting for.

Key DNPEC Staff

- ²Clerical support and an electronic board writer for the DNPEC and CECC)
- ¹Plant Communicator
- ¹Assistant Director (a DNPEC Director alternate)
- ¹Reactor Engineering
- ¹Technical Communicator (designated by the DNPEC Director as either Electrical and Instrument and Controls or Mechanical Branch)
- ¹Assessment Team Leader (BWR - Browns Ferry, PWR - Sequoyah or Watts Bar)
- ¹Emergency Preparedness and Protection
- ^{2,3}Mechanical (if primary representative was contacted as Technical Communicator, contact the designated alternate)
- ^{2,3}Electrical and Instrument and Controls (if primary representative was contacted as Technical Communicator, contact the designated alternate)
- ²Field Services

- NOTE:
- ¹Request these individuals to report to the DNPEC.
 - ²Request these individuals to report to the appropriate branch office.
 - ³If the primary contact was not reached, and the alternate was contacted to serve as Technical Communicator, then request the alternate to designate a Technical Support contact to respond to the appropriate branch office. Contact that person and have him respond.

***Deletion

- ** 6.1.10 Notify the designated technical support personnel to report to the DNPEC if requested by the DNPEC Director. (See the DNP Notification Board.)

**Deletion

***Attachment 3

ODS CHECKLIST

ALERT

Name/Time

- _____/____ 1. Turn on recorder
- _____/____ 2. Log information from Site Emergency Director on form
- _____/____ 3. Verify call

NOTIFY THE FOLLOWING

- _____/____ 4. Appropriate State agency
- _____/____ 5. EDO
- _____/____ 6. MSEC (activate the MSEC)
- _____/____ 7. CECC Director (report to the CECC)
- _____/____ 8. DNPEC Director (report to the DNPEC) - Ask
- a. Who should be notified as Technical Communicator?
- _____/____ E&I&C
- _____/____ Mechanical
- b. Should Technical Support personnel be notified?
- _____/____ Yes
- _____/____ No
- c. If yes, which positions?

- _____/____ 9. KEC Duty Officer (activate the KEC)

***Addendum

***Attachment 3 (Continued)

ODS CHECKLIST

ALERT

Name/Time

- | | |
|------------------------------|---|
| <u> / </u> | 10. Load Coordinator |
| <u> / </u> | 11. Management Services (activate clerical staff for DNPEC/CECC and report to your branch office) |
| <u> / </u> | 12. Plant Communicator (report to the DNPEC) |
| <u> / </u> | 13. Alternate DNPEC Director (report to the DNPEC) |
| <u> / </u> | 14. Reactor Engineering (report to the DNPEC) |
| <u> / </u> | 15. Technical Communicator designated in No. 8.a (report to the DNPEC) |
| <u> / </u> | 16. E&I&C (alternate if primary contacted in No. 15) (report to your branch office) |
| <u> / </u> | 17. Mechanical (alternate if primary contacted in No. 15) (report to your branch office) |
| <u> / </u> | 18. Assessment Team Leader (report to the DNPEC) |
| <u> / </u> | 19. EP&P (report to the DNPEC) |
| <u> / </u> | 20. Field Services (report to your branch office) |
| <u> / </u> | 21. If No. 8.b was yes, notify the positions requested in No. 8.c. (report to the DNPEC) |

***Addendum

REP-IPD
DNPEC - IP-4
OPERATIONS DUTY SPECIALIST
PROCEDURE FOR SITE AREA EMERGENCY

Prepared By: W. E. Webb, Jr.

Approved By: *[Signature]*

Date: 9/25/81

<u>Rev. No.</u>	<u>Date</u>	<u>Revised Pages</u>	<u>Rev. No.</u>	<u>Date</u>	<u>Revised Pages</u>
<u>0</u>	<u>9/25/81</u>	<u>A11</u>	<u>3</u>	<u>2/3/83</u>	<u>2</u>
<u>1</u>	<u>3/10/82</u>	<u>2, 3</u>	<u>4</u>	<u>2/24/83</u>	<u>2</u>
<u>2</u>	<u>OCT 26 1982</u>	<u>A11</u>	<u>5</u>	<u>MAR 17 1983</u>	<u>A11</u>

<u>Rev. No.</u>	<u>Date</u>	<u>Revised Pages</u>
<u>6</u>	<u>JUN 03 1983</u>	<u>A11</u>
<u>7</u>	<u>JUN 07 1983</u>	<u>Att. 2, p. 1</u>
<u>8</u>	<u>JUL 07 1983</u>	<u>3</u>
<u>9</u>	<u>SEP 16 1983</u>	<u>2-4, Attachment 3--1-2</u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

The ODS performs the following tasks:

Note: When making notifications of an emergency situation, provide only the information contained on the appropriate attachment. Avoid any unnecessary explanation, interpretation, or elaboration of the information. Timeliness and accuracy is of the *utmost importance. Attachment 3 may be used as a more concise *checklist for performing these notifications.

★★

6.1.1 Upon receiving a call from the Site Emergency Director:

1. Turn on recording equipment.
2. Receive information from the Site Emergency Director.
3. Log information on the appropriate attachment.
4. Conduct verification call to originating plant.

6.1.2 Notify the appropriate State agency by direct line. For the initial notification, provide only the basic information as indicated on the appropriate attachment. Request that the State make a verification callback, and at that time provide them the remainder of the attachment information.

After hours, the Alabama phone will be answered by the Department of Public Safety. Provide the officer with the basic information as indicated on attachment 1. Request that he contact the Radiological Health Staff and have them call the ODS for additional information. Provide the remainder of the attachment 1 information when the call is returned.

Alternate telephone numbers for these agencies are listed in the TVA Radiological Emergency Notification Directory.

Note: Notification to the State shall be made as soon as possible such that in all cases it is made within five minutes from when call is first received from the plant. Under this emergency classification, the ODS is the "primary contact" with the State. The ODS is relieved of this function once the CECC is staffed.

6.1.3 Notify the DNP EDO. (See the DNP Notification Board.)

6.1.4 Notify the MSEC Director and have him activate the MSEC.
(See the DNP Notification Board.)

*Revision
**Deletion

- ** 6.1.5 Notify the CECC Director and have him report to the center. (See the DNP Notification Board.)
- 6.1.6 Notify the DNPEC Director and have him report to the center. Ask the DNPEC Director who should be contacted as DNPEC Technical Communicator; Electrical and Instrument and Controls or Mechanical Branch representative. Determine if the DNPEC Director considers it necessary to call any technical support personnel. If requested to do so, notify them last (see section 6.1.10). (See the DNP Notification Board.)
- 6.1.7 Notify the KEC Duty Officer and have him activate the KEC. (See the DNP Notification Board.)
- 6.1.8 Notify the Load Coordinator of the condition.
- 6.1.9 Notify the key DNPEC staff (see the DNP Notification Board). Tell each person contacted what position he is reporting for.

Key DNPEC Staff

- ²Management Services (request that he provide appropriate clerical support and an electronic board writer for DNPEC and CECC)
- ¹Plant Communicator
- ¹Assistant Director (a DNPEC Director alternate)
- ¹Reactor Engineering
- ¹Technical Communicator (designated by the DNPEC Director as either Electrical and Instrument and Controls or Mechanical Branch)
- ¹Assessment Team Leader (BWR - Browns Ferry, PWR - Sequoyah or Watts Bar)
- ¹Emergency Preparedness and Protection
- ^{2,3}Mechanical (if primary representative was contacted as Technical Communicator, contact the designated alternate)
- ^{2,3}Electrical and Instrument and Controls (if primary representative was contacted as Technical Communicator, contact the designated alternate)
- ²Field Services

NOTE: ¹Request these individuals to report to the DNPEC.

²Request these individuals to report to the appropriate branch office.

³If the primary contact was not reached and the alternate was contacted to serve as Technical Communicator, then request the alternate to designate a Technical Support contact to respond to the appropriate branch office. Contact that person and have him respond.

**Deletion

- ** 6.1.10 Notify the designated technical support personnel to report to the DNPEC if requested by the DNPEC Director. (See the DNP Notification Board.)

***Attachment 3

ODS CHECKLIST

SITE AREA EMERGENCY

Name/Time

- _____/ 1. Turn on recorder
- _____/ 2. Log information from Site Emergency Director on form
- _____/ 3. Verify call

NOTIFY THE FOLLOWING

- _____/ 4. Appropriate State agency
- _____/ 5. EDO
- _____/ 6. MSEC (activate the MSEC)
- _____/ 7. CECC Director (report to the CECC)
- _____/ 8. DNPEC Director (report to the DNPEC) - Ask
- a. Who should be notified as Technical Communicator?
- _____ E&I&C
- _____ Mechanical
- b. Should Technical Support personnel be notified?
- _____ Yes
- _____ No
- c. If yes, which positions?

- _____/ 9. KEC Duty Officer (activate the KEC)

***Addendum

***Attachment 3 (Continued)

ODS CHECKLIST

SITE AREA EMERGENCY

<u>Name/Time</u>	
_____ / _____	10. Load Coordinator
_____ / _____	11. Management Services (activate clerical staff for DNPEC/CECC and report to your branch office)
_____ / _____	12. Plant Communicator (report to the DNPEC)
_____ / _____	13. Alternate DNPEC Director (report to the DNPEC)
_____ / _____	14. Reactor Engineering (report to the DNPEC)
_____ / _____	15. Technical Communicator designated in No. 8.a (report to the DNPEC)
_____ / _____	16. E&I&C (alternate if primary contacted in No. 15) (report to your branch office)
_____ / _____	17. Mechanical (alternate if primary contacted in No. 15) (report to your branch office)
_____ / _____	18. Assessment Team Leader (report to the DNPEC)
_____ / _____	19. EP&P (report to the DNPEC)
_____ / _____	20. Field Services (report to your branch office)
_____ / _____	21. If No. 8.b was yes, notify the positions requested in No. 8.c. (report to the DNPEC)

***Addendum

REP-IPD

DNPEC - IP-5
OPERATIONS DUTY SPECIALIST
PROCEDURE FOR GENERAL EMERGENCY

Prepared By: W. E. Webb, Jr.

Approved By: [Signature]

Date: 9/25/81

<u>Rev. No.</u>	<u>Date</u>	<u>Revised Pages</u>	<u>Rev. No.</u>	<u>Date</u>	<u>Revised Pages</u>
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<u>1</u>	<u>3/10/82</u>	<u>2, 3</u>	<u>4</u>	<u>2/24/83</u>	<u>3</u>
<u>2</u>	<u>OCT 25 1982</u>	<u>All</u>	<u>5</u>	<u>MAR 17 1983</u>	<u>All</u>

<u>Rev. No.</u>	<u>Date</u>	<u>Revised Pages</u>
<u>6</u>	<u>JUN 03 1983</u>	<u>All</u>
<u>7</u>	<u>JUN 07 1983</u>	<u>Att. 2, p. 1</u>
<u>8</u>	<u>JUL 07 1983</u>	<u>3</u>
<u>9</u>	<u>SEP 16 1983</u>	<u>2-4, Attachment 3--1-3</u>

Note: When making notifications of an emergency situation, provide only the information contained on the appropriate attachment. Avoid any unnecessary explanation, interpretation, or elaboration of the information. Timeliness and accuracy is of the utmost importance. Attachment 3 may be used as a more concise checklist for performing these notifications.

★★

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6.1.2 Notify the appropriate State agency by direct line. For the initial notification, provide only the basic information as indicated on the appropriate attachment. Request that the State make a verification callback, and at that time provide them the remainder of the attachment information.

After hours, the Alabama phone will be answered by the Department of Public Safety. Provide the officer with the basic information as indicated on attachment 1. Request that he contact the Radiological Health Staff and have them call the ODS for additional information. Provide the remainder of the attachment 1 information when the call is returned.

Alternate telephone numbers for these agencies are listed in the TVA Radiological Emergency Notification Directory.

Note: Notification to the State shall be made as soon as possible such that in all cases it is made within five minutes from when call is first received from the plant. Under this emergency classification, the ODS is the "primary contact" with the State. The ODS is relieved of this function the CECC is staffed.

6.1.3 Notify the appropriate local Civil Defense Agencies. (See the TVA Radiological Emergency Notification Directory.)

Give the following message. "This is the TVA Operations Duty Specialist. We have a General Emergency existing at _____ nuclear plant. Please activate your emergency organization. You will receive further instructions from the appropriate State agency." (continued - next page)

*Revision
**Deletion

Ensure the following recommended protective action is given:

"TVA recommends that you activate the warning system and advise the public to take shelter, tune radio or TV to a local station, and await further instructions."

- 6.1.4 Notify the DNP EDO. (See the DNP Notification Board.)
- 6.1.5 Notify the MSEC Director and have him activate the MSEC. (See the DNP Notification Board.)
- 6.1.6 Notify the CECC Director and have him report to the center. (See the DNP Notification Board.)
- 6.1.7 Notify the DNPEC Director and have him report to the center. Ask the DNPEC Director who should be contacted as DNPEC Technical Communicator; Electrical and Instrument and Controls or Mechanical Branch representative. Determine if the DNPEC Director considers it necessary to call any technical support personnel at this time. If requested to do so, notify them last (see section 6.1.11). (See the DNP Notification Board.)
- 6.1.8 Notify the KEC Duty Officer and have him activate the KEC. (See the DNP Notification Board.)
- 6.1.9 Notify the Load Coordinator of the condition.
- 6.1.10 Notify the key DNPEC staff (see the DNP Notification Board). Tell each person contacted what position he is reporting for.

Key DNPEC Staff

- ²Management Services (request that he provide appropriate clerical support and an electronic board writer for the DNPEC and CECC)
- ¹Plant Communicator
- ¹Assistant Director (a DNPEC Director alternate)
- ¹Reactor Engineering
- ¹Technical Communicator (designated by the DNPEC Director as either Electrical and Instrument and Controls or Mechanical Branch)
- ¹Assessment Team Leader (BWR - Browns Ferry, PWR - Sequoyah or Watts Bar)
- ¹Emergency Preparedness and Protection
- ^{2,3}Mechanical (if primary representative was contacted as Technical Communicator, contact the designated alternate)
- ^{2,3}Electrical and Instrument and Controls (if primary representative was contacted as Technical Communicator, contact the designated alternate)
- ²Field Services

*Revision

- NOTE: ¹Request these individuals to report to the DNPEC.
²Request these individuals to report to the appropriate branch office.
³If the primary contact was not reached and the alternate was contacted to serve as Technical Communicator, then request the alternate to designate a Technical Support contact to respond to the appropriate branch office.

- ** 6.1.11 Notify the designated technical support personnel to report to the DNPEC if requested by the DNPEC Director. (See the DNP Notification Board.)

**Deletion

***Attachment 3

ODS CHECKLIST

GENERAL EMERGENCY

Name/Time

- _____/_____
1. Turn on recorder
- _____/_____
2. Log information from Site Emergency Director on form
- _____/_____
3. Verify call

NOTIFY THE FOLLOWING

- _____/_____
4. Appropriate State agency
- _____/_____
5. Local Civil Defense agencies (Provide appropriate message and recommendation)

5a. BFNP

_____/_____
_____/_____
_____/_____
_____/_____
Limestone Co.
Morgan Co.
Lawrence Co.
Lauderdale Co.

5b. SQNP

_____/_____
_____/_____
Hamilton Co.
Bradley Co.

5c. WBNP

_____/_____
_____/_____
Meigs Co.
Rhea Co.

- _____/_____
6. EDO
- _____/_____
7. MSEC (activate the MSEC)
- _____/_____
8. CECC Director (report to the CECC)

***Attachment 3 (Continued)

ODS CHECKLIST

GENERAL EMERGENCY

Name/Time

_____/

9. DNPEC Director (report to the DNPEC) - Ask

a. Who should be notified as Technical Communicator?

_____ E&I&C

_____ Mechanical

b. Should Technical Support personnel be notified?

_____ Yes

_____ No

c. If yes, which positions?

_____/

10. KEC Duty Officer (activate the KEC)

_____/

11. Load Coordinator

_____/

12. Management Services (activate clerical staff for DNPEC/CECC and report to your branch office)

_____/

13. Plant Communicator (report to the DNPEC)

_____/

14. Alternate DNPEC Director (report to the DNPEC)

_____/

15. Reactor Engineering (report to the DNPEC)

_____/

16. Technical Communicator designated in No. 8.a (report to the DNPEC)

_____/

17. E&I&C (alternate if primary contacted in No. 15) (report to your branch office)

***Addendum

***Attachment 3

ODS CHECKLIST

GENERAL EMERGENCY

Name/Time

- | | |
|---------|--|
| _____ / | 18. Mechanical (alternate if primary contacted in No. 15) (report to your branch office) |
| _____ / | 19. Assessment Team Leader (report to the DNPEC) |
| _____ / | 20. EP&P (report to the DNPEC) |
| _____ / | 21. Field Services (report to your branch office) |
| _____ / | 22. If No. 8.b was yes, notify the positions requested in No. 8.c. (report to the DNPEC) |

***Addendum

RADIOLOGICAL EMERGENCY PLAN

Revision Date: SEP 08 1983

This log sheet must be retained as the last page of the Central Emergency Control Center Implementing Procedures Document.

Reason for revision: To add appendices

Inserted by: _____ Date Inserted: _____

<u>Pages to be Removed</u>			<u>New Pages to be Inserted</u>		
Part	Page Number	Revision	Part	Page Number	Revision
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Information Office Procedures for Abnormal Events
at Nuclear Plants

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Information Office Procedures for Abnormal
Events at Nuclear Plants

1.0 PURPOSE

These procedures are designed as guidance for Information Office personnel and support personnel during an abnormal event at a TVA nuclear plant to ensure timely and accurate release of information to the public.

2.0 SCOPE

These procedures cover anticipated requirements for the Information Office and support personnel during abnormal conditions at TVA nuclear plants and supplement the REP and IPDs of NUC PR. Because of the character of news and of media/public interest, it is impossible to include procedures for every event that might occur. In that respect, these procedures do not cover all actions that should be taken before, during, and after an incident, but rather are designed to serve as a general guideline to provide consistency to Information Office practices during an abnormal event at a TVA nuclear plant.

Much flexibility is built into these procedures. The procedures need not be followed exactly as long as the spirit and purpose are met. It is noted that media interest--not necessarily the seriousness of the event--may dictate actions by the Information Office.

3.0 REFERENCES

REP and all IPDs.

4.0 ABBREVIATIONS AND DEFINITIONS

CECC - Central Emergency Control Center (Chattanooga)

CECC Information Staff - The staff stationed in the CECC that works under the direction of the Director of Information during a nuclear event. It consists mostly of members of the Power Information Staff with support from employees of the Office of Power and NUC PR.

DNPEC - Division of Nuclear Power Emergency Center

EOC - The Emergency Operations Center for the State in which the nuclear plant is located.

FEMA - Federal Emergency Management Agency

IPD - Implementing Procedures Document

KEC - Knoxville Emergency Center

NSMC - Near-Site Media Center

News Desk - The office of the Knoxville Information Office that serves on a day-to-day basis as the primary contact point for the news media.

NUC PR - Division of Nuclear Power

NRC - Nuclear Regulatory Commission

ODS - Operations Duty Specialist

Q & A - Question and Answer

REP - Radiological Emergency Plan

5.0 RESPONSIBILITIES AND STAFFING

- 5.1 The overall responsibility for handling information requirements for any nuclear event rests with the Director of Information. He may use his own discretion to determine the responsibilities for individual employees and their duties described in the REP and in the procedures in this document.
- 5.2 The TVA Information Office has the responsibility for providing the public and the news media with timely, accurate information on the event. The appropriate State Information Office, working with TVA, has the overall responsibility for public information regarding State activities, including such items as citizen evacuation and radiation monitoring away from the plant site.
- 5.3 At the direction of the Director of Information, the Assistant Director of Information has overall supervisory responsibility over the information staffs involved in a nuclear event.
- 5.4 The Manager of Power serves as chief spokesman for TVA at media briefings. In his absence, the Deputy Manager of Power is the spokesman. In his absence, the Director of Information shall designate an appropriate spokesman.
- 5.5 When the CECC is activated, the Director of the CECC has overall responsibility for handling the nuclear emergency for TVA. He consults with the Director of Information on information matters, such as activation of the NSMC and appropriate times to conduct media briefings. He also has sole responsibility within the CECC for reviewing TVA news statements prepared by the CECC Information
*Staff. However, if the situation dictates, the Director of
*Information or the Manager of Power can approve urgent news
*statements.

- 5.6 The Power Information Staff, with additional support provided by the Office of Power, is responsible for monitoring the situation from the Office of Power and the CECC. The staff writes all news *statements and obtains review of the statements from the Office of Power, or when the CECC is activated, from the Director of the CECC. In addition, at the direction of the Director of Information, the Power Information Staff releases written statements to the news media and assists the Chattanooga media in covering the nuclear event.
- 5.7 The Knoxville Information Office is responsible for the initial notification of the General Manager, Board of Directors, the Washington Office, the district administrator in whose area the plant is located, and other top TVA officials as required. The staff is also responsible for manning the News Desk and handling media inquiries during a nuclear incident. If the NSMC is activated, the staff will provide primary staffing for it.
- 5.8 The Broadcast Staff acts under the direction of the Director of Information and provides appropriate services to the news media. If the NSMC is activated, the staff is in charge of setting up, manning, and monitoring all audiovisual and broadcast equipment.
- 5.9 The Communication Services Staff provides, at the direction of the Director of Information, information to TVA employees about the event and assists the News Desk Staff.
- 5.10 The Citizen Action Office Staff serves as rumor control, handling nonmedia calls from the public and relaying information provided by the News Desk.
- 5.11 The Manager of Nuclear Information shall be responsible for reviewing and updating these procedures. Such reviews shall be made no less than annually. He is also responsible for ensuring the needed materials are available for the staffing of the CECC Information Staff office.
- 5.12 The Information Office Field Spokesman for the Office of Agricultural and Chemical Development, is responsible for monitoring the situation from the MSEC, and reports to that facility if the Director of Information decides it is necessary.
- 5.13 The Information Office Field Spokesman for the Office of Engineering Design and Construction, is responsible for monitoring the situation from the KEC and reports to that facility if the Director of Information decides it is necessary.
- 5.14 The Plant Information Officer is responsible for providing information to the Power Information Staff and the Information Office as required. During the initial hours of an emergency, he reports to the plant if the plant's emergency response plan is activated. He is responsible for notifying the appropriate State agencies of any

planned news release. At the direction of the Director of Information, he takes action to activate the NSMC and provides assistance to the local media until the News Desk Staff from Knoxville arrives on the scene. He also is responsible for ensuring the needed materials and equipment are available for the staffing of the plant NSMC and for updating emergency media kits and other emergency information material at least annually.

- 5.14.1 Once the NSMC is in operation and the CECC fully activated, the Plant Information Officer reports to the following location:
 - 5.14.1.1 The Browns Ferry Information Officer reports to the Alabama EOC to serve as a liason between the Information Office and the State officials. He works under the supervision of the Director of the NSMC. In the event of an emergency at Sequoyah or Watts Bar, he may be directed to report to the Tennessee EOC in Nashville.
 - 5.14.1.2 The Sequoyah Information Officer reports to the CECC and joins the CECC Information Staff in preparing written news statements of the event.
 - 5.14.1.3 The Watts Bar Information Officer reports to the NSMC and assists the Director of the NSMC.
- 5.15 If the NSMC is fully activated, the Director of the CECC shall designate two persons to provide technical information and advice to the Manager of Power and the Director of Information. These persons shall be designated Technical Advisor--Plant Operations and Technical Advisor--Radiological Health. They shall be stationed at the NSMC.
- 5.16 If the CECC is activated, the CECC Director shall designate one person to serve as a technical advisor to the CECC Information Staff. That person shall ensure the timely flow of information from the CECC/DNPEC to the CECC Information Staff, advise the Information Staff writers, and be available for telephone consultations with the Manager of Power and other NSMC personnel to offer advice when requested.
- 5.17 Depending on the severity of the incident, the Information Office may have to provide coverage on a 24-hour basis for an extended period. The Director of Information, in consultation with the *Assistant Director of Information, will designate the specific assignments for Information Office personnel and their shifts. As a rule, during the emergency, persons will work 12-hour shifts.
- 5.18 Assistance from other offices and divisions will be requested as needed.
- 6.0 PROCEDURES - Occurrences that do not require activation of the NSMC.

- 6.1 TVA Nuclear Information Policy is to fully inform the news media and the public as soon as possible of any unusual happenings at nuclear plants. Events that may not be included in the REP could be considered newsworthy and, therefore, fall within these procedures.

6.2 Initial Notification

- 6.2.1 The Plant Information Officer is kept apprised by the Plant Superintendent or his designee of any unusual happenings at the plant. In addition, NUC PR keeps the Manager of Nuclear Information and the Manager of Power Information informed on a day-to-day basis of happenings at the plant. The ODS of the Office of Power also notifies the Power Information Duty Officer of any major change in status of the plant.

- 6.2.2 The Plant Information Officer notifies the Manager of Nuclear Information, the Manager of Power Information, or the Power Information Duty Officer, in that order, who in turn notifies the Knoxville Information Office. The order for notifying the Knoxville Information Office is as follows:

- *1. Assistant Director of Information
- 2. Director of Information
- 3. Manager of Media Relations
- 4. Manager of News Desk
- 5. Information Office Duty Officer

- 6.2.3 Depending on the nature of the event, those notified will decide if immediate notification of the General Manager, Board of Directors, and the news media is necessary.

- 6.2.4 If immediate notification of the news media is determined to be necessary, the Power Information Staff will prepare a statement that will be reviewed, if at all possible, by NUC PR and the Manager of Power. Then it will be transmitted to Knoxville for release in a manner determined appropriate by the Director of Information. If review is not possible or practical, the Manager of Power Information shall assume responsibility for approving the release for the Office of Power.

- 6.2.5 In the event of a radiological emergency away from the plant site, the Director of Information will designate an Information Office Staff member to go to the scene, if that is deemed necessary.

6.3 CECC

If the CECC is activated, the Power Information Staff will activate the CECC Information Staff and generate news statements there. Once prepared, the news statements will be reviewed and approved by the Director of the CECC, and transmitted to Knoxville for release.

The following staffing is recommended for full activation of the CECC Information Staff (lesser levels of staffing should be made at the determination of the CECC Information Director). Staffing for each 12-hour shift is as follows:

- 6.3.1' CECC Information Director--Stationed in the CECC near the Director of the CECC. He has overall responsibility for public information matters in the CECC and supervises the CECC information staff. He consults with the CECC Director, the Manager of Power and the Director of Information to make sure information is released in an accurate, objective, and timely manner.
- 6.3.2 Supervisor--At the direction of the CECC Information Director, he oversees activities of the CECC Information Office. Works closely with the Director of the CECC and the Director of the DNPEC to monitor the accident. In consultation with the Director of the NSMC, determines when to prepare news statements and supervises and approves their writing. Obtains clearance from the Director of the CECC of all written statements. Schedules staff assignments for around-the-clock staffing. Consults with NSMC management to schedule briefings, etc.
- 6.3.3 Technical Advisor--Provided by NUC PR, he acts as liaison between the CECC Information Office and the CECC managers. Provides technical assistance to writers working on news statements and keeps the CECC Information Office apprised of all developments concerning the accident.
- 6.3.4 Writers (2)--As assigned by the CECC Information Office Supervisor, gather information from the CECC officers and the technical advisor and prepare written statements based on that information. May be called upon to perform other duties as necessary.
- 6.3.5 NRC-State Coordinator--Once news statements have been approved by the Director of the CECC, the NRC-State Coordinator ensures their prompt transmittal to the proper State and NRC officials for review. When questions or changes are called for, he relates that information to the writers and supervisors. He also works with the State and NRC to receive information about public information announcements *those agencies are preparing. He also provides released news *statements to the appropriate plant Technical Support Center (TSC) *for information. These duties may, if necessary, be divided among *two people.
- 6.3.6 Local Media Coordinator--Before activation of the NSMC, works with local news media to keep them apprised of developments at the plant and the CECC. Also serves to answer media questions about operations of the CECC once the NSMC is activated and performs other duties as necessary.

- 6.3.7 Q & A Editor/NSMC Coordinator--Interfaces with NSMC information officers to gather any questions raised by the media about developments that can't be answered at the NSMC and relays those questions back to the proper person. Monitors the flow and adequacy of information between the NSMC and the CECC Information Office.
- 6.3.8 Clerks/Secretaries--The number of clerks and secretaries needed in the CECC Information Office will be determined by the CECC Information Office Supervisor. At maximum levels they include:
 - 6.3.8.1 Jacquard Clerks (2)--They type into a Jacquard all news releases and follow their transmittal to the proper sources.
 - 6.3.8.2 Telecopier Clerk--Handles all telecopier transmittals from the office.
 - 6.3.8.3 Telephone Clerk--Answers incoming telephone calls and performs other jobs as directed by the supervisor.
 - 6.3.8.4 Q & A Clerk--Assists the Q & A Editor/NSMC Coordinator in answering questions and coordinating activities with the NSMC.
- 6.4 For non-REP items that are being announced to the media by the Information Office, the Plant Information Officer has initial responsibility to inform the appropriate State officials, as outlined in the letters of agreement in the appendix. If the Plant Information Officer is not available, the Manager of Nuclear Information will assume that duty; in his absence, the Manager of Power Information; and in his absence, the Power Information Staff Duty Officer. Once the CECC is activated, responsibility for keeping the State Information Officer informed shifts to the CECC Information Staff State Coordinator.
- 6.5 *The Assistant Director of Information or his designee on the Knoxville News Desk, has the responsibility of coordinating news releases with the NRC public affairs office until such time as the CECC is activated. Once the CECC is activated, responsibility for keeping the NRC informed shifts to the CECC Information Staff NRC Coordinator.
- 6.6 The News Desk shall serve as the central control center for Information Office activities. Depending on the severity of the event and the number of media calls, it will be staffed as necessary, with the determination being made by the Director of Information and the Assistant Director of Information. The News Desk shall notify at a minimum the following:
 - 1. The TVA Board and General Manager.
 - 2. Any senior Information Office employee not already notified.
 - 3. The NRC public affairs office (until such time as the CECC is activated).
 - 4. The major wire services, and media in the vicinity of the affected plant.
 - 5. Any others deemed necessary by the Director of Information.

*Revision

- 6.6.1 As a general rule, the News Desk should be activated whenever an Alert or higher classification of event is declared, and when the CECC is activated. The first statement prepared by the Power Information Staff and issued by the News Desk should be brief and should be released with all possible speed. It should acknowledge that an event has occurred, and that additional information will be forthcoming.
- 6.7 Neither in print nor orally will Information Office personnel speculate on the cause or consequences of the incident.
- 6.8 Upon notification that the News Desk has been activated, the Chief of the Broadcast Staff will begin notifying his staff. The staff will begin making preparations to transport audiovisual equipment and personnel to the NSMC in the event its activation is ordered. The staff also will provide assistance to the News Desk in handling broadcast media requests.
- 6.9 Based on the severity of the incident, the Director of Information may order the staffing of the KEC and the MSEC. However, such staffing is not necessary for the Information Office to perform its duties. The Director of Information may also deem it necessary to request assistance from the Employee Communications Staff and from the Citizen Action Office to provide employee information and rumor control.
- 6.10 As calls come into the News Desk, they will be handled by News Desk personnel in the normal manner. Details will be provided from the prereleased news statements. If the caller wants additional information, efforts will be made to provide that information. The CECC Information Staff can be contacted by the News Desk for those additional details. Inquiries regarding offsite evacuation or other State matters will be referred to the appropriate State agencies.
- 6.11 Updated news statements shall be issued periodically as needed. At a minimum, statements should be updated at least every two hours, if only to report that "no change" has occurred since the last statement.
- 6.12 The nuclear plant status report tape and news line tapes should be updated by News Desk personnel each time a new statement is released. All new statements should be given to the Citizen Action Office for rumor control purposes.
- 6.13 Requests by the media for personal interviews or for tours of TVA facilities will be handled through the News Desk. The requests will be coordinated with the Director of the CECC and Plant Superintendent.
- 7.0 PROCEDURES - Occurrences that require activation of the NSMC.

- 7.1 The procedures listed in the previous section will continue as long as necessary. However, if the condition of the plant worsens, or if media interest becomes so intense that, in the judgment of the Director of Information, it cannot be properly handled from the News Desk, the NSMC will be ordered activated.
- 7.2 The NSMC for Browns Ferry Nuclear Plant is the Calhoun Community College on U.S. 31 North near Decatur; the NSMC for the Sequoyah Nuclear Plant is the downtown Chattanooga YMCA; the NSMC for the Watts Bar Nuclear Plant is the Sweetwater Quality Inn on I-75.
- 7.3 As a general goal, the NSMC at Sequoyah and Watts Bar should be operational no less than four hours after the Director of Information orders them activated. The Browns Ferry NSMC should be operational no less than six hours after its activation is ordered.
- 7.4 Prior to ordering activation of the NSMC, the Director of Information will consult with the Director of the CECC and appropriate State information officers, if feasible.
- 7.5 Equipment for the NSMC will be preboxed and ready for shipment. It is stored in Knoxville and Chattanooga. An inventory is listed in the appendix.
- 7.6 Each State affected by the accident has agreed to participate with TVA in the NSMC, as has the NRC. Once the Director of Information orders activation of the NSMC, the Information Office person who at that time is coordinating information releases with those agencies shall notify those agencies that the NSMC is being activated and invite them to dispatch personnel to staff it.
- 7.7 The Plant Information Officer shall notify the owners/operators of the building of the NSMC to make arrangements for its use. Contracts with the owners are included in the appendix. He shall also ensure that South Central Bell is notified to activate telephone lines to the NSMC.
- 7.8 The Assistant Director of Information will determine who will report to the NSMC. He will make arrangements to have all the equipment that is stored in Knoxville shipped immediately to the center. The following is a listing of the maximum expected staffing of the NSMC. It is anticipated that in all but the most severe case, less staffing will be acceptable. Staffing levels will be determined by the Assistant Director of Information, who is in charge of the NSMC.
- 7.8.1 *Chief Spokesman--The Manager of Power or, in his absence, the Deputy *Manager of Power or another designee. This person serves as the Chief Spokesman for TVA during all news briefings. He consults with officials in the CECC and the TVA Director of Information to coordinate all statements and provide correct information. He is available to answer specific media questions when formal briefings are not being held.

- 7.8.2 Director of Information--The Director of Information has the responsibility for all information activities involving a nuclear emergency. He provides directions to both the Director of the NSMC and the CECC Information Office. He apprises the General Manager and the Board of Directors on all information matters. He consults with the Chief Spokesman before all briefings, and participates in those briefings, when necessary, with the Chief Spokesman.
- 7.8.3 Director of the NSMC--Is in charge of all activities at the NSMC. He supervises all Information Office personnel and support personnel assigned to the center. He chairs all staff meetings at the NSMC, and ensures that the needs of the State, NRC, and FEMA are met. He serves as the chief point of contact between the NSMC and the CECC Information Office.
- 7.8.4 Audiovisual Coordinator--The Chief of the Broadcast Staff or his designee. This person is responsible for ensuring the media briefing room is adequately equipped to accommodate the needs of broadcast media and the recording of all news briefings.
- The Audiovisual Coordinator will see to it that an adequate number of personnel from the Broadcast Staff are available to perform the duties described.
- 7.8.5 Associate Director of the NSMC--Serves at the instruction of the Director of the NSMC, with primary responsibility in handling media needs and making sure proper arrangements are made for timely, comprehensive media briefings. Is in charge of building arrangements for the NSMC and coordinates activities of the TVA Broadcast Staff to meet media needs. Coordinates schedules of personnel assigned to NSMC and acts as NSMC "historian," keeping a log of all major events at the center.
- 7.8.6 Intergovernmental Affairs Coordinator--Serves at the instruction of the Director of the NSMC, with primary duties to coordinate NSMC operations with TEMA, NRC, and FEMA. Is responsible for ensuring that representatives from those agencies at the NSMC are kept abreast of all developments, shown copies of all written TVA news releases, and that TVA is shown copies of all written news releases of those agencies. Coordinates joint conferences of all agencies prior to formal briefings.
- 7.8.7 Technical Advisor--Plant Operations--Serves at the direction of the Director of the NSMC and acts as an assistant to the Chief Spokesman. In both staff conferences and formal briefings, advises the Chief Spokesman on technical matters dealing with the design and operation of the affected nuclear plant. At the direction of the Chief Spokesman and Director of Information, answers media questions dealing with technical matters. Is available for informal background briefing sessions with the media.

- 7.8.8 Technical Advisor--radiological Health--Serves at the direction of the Director of the NSMC and acts as an assistant to the Chief Spokesman. In both staff conferences and formal briefings, advises the Chief Spokesman on technical matters dealing with the health and safety aspects of radiation. Works closely with State representatives to give out information on radiation releases from the plant. At the direction of the Chief Spokesman and Director of Information, answers media questions dealing with technical matters. Is available for informal background briefings with the media.
- 7.8.9 Information Officers (4 Positions)--Serve at the direction of the NSMC Director. Handle telephone calls from the media to the NSMC. Relay information to Knoxville and Washington. Answer questions from members of the media present. Assist in writing and distributing news releases; coordinating information with the Citizen Action Line, which will serve as the public "rumor control"; and assisting in other activities as instructed by the Director of the NSMC.
- 7.8.10 Q & A Coordinator--Coordinates questions from the media that cannot be answered by the information officers, technical advisors, or Chief Spokesman. Dispatches those questions to the CECC Information Office and makes sure answers are provided and distributed to the reporter.
- 7.8.11 Artist--Serves the Chief Spokesman and the technical advisors by providing sketches that might be needed during media briefings.
- 7.8.12 Logistics Coordinator--In charge of all logistics arrangements for the NSMC, including staff transportation and lodging, equipment movement and procurement, media shuttle service between the NSMC and the plant, supplying meals for all persons in the NSMC, getting cash advances for personnel who have to stay overnight, etc. Also works with the media to ensure that out-of-town reporters have adequate accommodations.
- 7.8.13 Receptionist--Works at the entrance to the NSMC. Registers members of the media who arrive and issues credentials. Records the telephone numbers of the reporters on printed forms so they can be located in case of an emergency. Distributes press packages.
- 7.8.14 Clerks-Secretaries--The number of clerks and secretaries needed at the NSMC will be determined by the Director of the NSMC. They will include:
1. One secretary to operate the Jacquard computer and printer.
 2. One secretary to operate the fastfax telecopier machine.
 3. One clerk to assist the Q & A Coordinator.
 4. Two clerks to answer telephones, take messages, and route calls.
 5. One chief clerk assigned to the Director of Information and the Director of the NSMC.
- 7.8.15 Transportation Coordinator--Works with Logistics Coordinator to provide media transportation to and from the plant. Also provides staff transportation as needed.

- 7.9 The Director of the NSMC may call upon support personnel from other TVA offices and divisions as necessary to ensure adequate staffing of the NSMC.
- 7.10 Throughout the activation of the NSMC, the News Desk in Knoxville will continue to be operated, as will all auxiliary operations, such as the Citizen Action Line. The Director of Information shall determine the necessary staffing levels of these operations.
- 7.11 The Director of Information may dispatch an Information Office representative to the plant site. That person would be stationed at or near Public Safety Service roadblocks to the plant to meet with any media that attempts to gain access to the plant area.
- 7.12 The NSMC Transportation Coordinator will, at the direction of the Director of the NSMC, provide van shuttle service for the media between the NSMC and the plant. Such service shall be under control of the Information Office and shall allow the media to make pictures and conduct live news spots from the plant area.
- 7.13 Briefings at the NSMC will be conducted whenever necessary, but at a minimum of 2 every 24 hours. State, NRC, and FEMA representatives shall participate fully in the briefings, if they so desire. News releases shall be distributed at the NSMC whenever necessary.
- 7.14 The NSMC shall operate for the duration of the emergency, or until it is determined by the Director of Information that media interest has waned to such an extent that operation of the center is no longer necessary. It is possible that because of continuing media interest after the emergency, the NSMC could be kept open for several days after the specific emergency has ended.

8.0 TELEPHONE LISTINGS

8.1 CECC Information Office Staff

CECC Information Director (Crawford)	751-0222 ¹
CECC Information Technical Advisor	0223 ¹
CECC Information Supervisor (Steverson)	0235 ¹
Supervisor's Secretary	0230 ¹
Writers' Desks	0233 ¹
NRC Coordinator	0236 ¹
State Coordinator	0231 ¹
Local Media Coordinator	0209 ¹

¹These are Dimension telephone numbers and can be reached from other Dimension telephones by dialing the last three digits.

Q&A Coordinator	0224 ¹
Panafax 3000 telecopier	0234 ¹
Verify telecopy	0230 ¹
Jacquard 105 computer	267-8222

8.2 SNP - Near-Site Media Center (Chattanooga YMCA)

Supervisor (Cadotte)	751-0280*
H. G. Parris (Lee Sheppard)	265-0527
TVA Staff 1	265-0643
TVA Staff 2	265-0766
TVA Staff 3	265-0919
TVA Staff 4	756-8067
TVA Staff 5	756-8056
Panafax 3000 telecopier	756-8023
Verify	756-8056
Jacquard 105 computer	756-0686
TVA Broadcast 1	756-0234
TVA Broadcast 2	265-0341
NRC Staff Room	265-0454
TEMA Staff Room (Inman)	751-0279 ¹
TEMA Staff 1	265-6339
TEMA Staff 2	265-6348
TEMA Staff 3	265-0053
TEMA Staff 4	265-0185

¹These are Dimension telephone numbers and can be reached from other Dimension telephones by dialing the last three digits.

8.3 BFNP - Near-Site Media Center (Calhoun State Community College,
Limestone County)

Telephone Numbers

(205) 355-8055
(205) 355-8073
(205) 355-8043
(205) 355-8046

8.4 State of Tennessee

TEMA Emergency Center, Nashville	615-741-5181
Public Information Officer (John Parrish)	1-800-262-3400
TEMA PIO Staff, Nashville	615-741-0001
TEMA Panafax Telecopier, Nashville	615-741-0002

8.5 State of Alabama

Lauderdale County Civil Defense	766-4201
Lawrence County Civil Defense	974-7641
Limestone County Civil Defense	232-2631
Morgan County Civil Defense	350-9600
	Ext. 227

8.6 Other Numbers

Power Information Staff, Chattanooga	751-2864
News Desk, Knoxville	6000-K or 1-800-251-9438
NRC Public Affairs, Atlanta	404-221-4503
NRC Telecopier	404-242-4449

TVA Citizen Action Line, Knoxville	1-800-251-9242
TVA Nuclear Status Tape, Knoxville	1-800-251-9427
Nuclear Regulatory Commission, Public Affairs, Atlanta	(404) 221-4503
Federal Emergency Management Agency, Atlanta	(404) 881-2391

APPENDIX A

Letters of Agreement, Contracts,
Supporting Documentation and Lists of Equipment

UNITED STATES GOVERNMENT

Memorandum

A31 830427 001

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Rev. 1

TENNESSEE VALLEY AUTHORITY

TO : Carl Crawford, Chief, Power Information Staff, 670 CST2-C

FROM : Mary Jane Owens, Information System Specialist, 630 CST2-C

DATE : April 25, 1983

SUBJECT: JACQUARD CONTACT PEOPLE DURING NUCLEAR EMERGENCY

Reference: Your memo to R. D. Odum on this subject dated January 25, 1983
(A11 830125 014).

In the case of a nuclear emergency or during drills, if Jacquard word processing maintenance or other problems occur, please use one of the following names as a contact to aid in solving these problems:

1. Linda Courtney, 751-5239, 624-5314
2. Pat Weddle, 751-7634, 698-1187
3. Frank Zarski, 751-7713, 899-6875

MJO:FRW:AA

cc: ARMS, 640 CST2-C
Frank Zarski, DC 5N 21C-C

mgo



Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan

UNITED STATES GOVERNMENT

Memorandum

A31 821026 001

TENNESSEE VALLEY AUTHORITY

CECC-IPD

IP-15

Appendix A

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Rev. 1

TO : R. D. Odum, Supervisor, Office Systems and Records Section, 630 CST2-C

FROM : Charles R. Cook, Supervisor, Reproduction and Word Processing Section,
560 LB-C

DATE : October 22, 1982

SUBJECT: BACKUP PHOTOCOPIER FOR NEAR-SITE MEDIA CENTERS

Our Savin coordinating dealer has agreed to furnish a backup copier for use in the Chattanooga and Huntsville-Decatur areas. Should the need for such a copier arise, please give my office as much advance notice as possible. There would be a standard charge for installation and a per-copy charge for machine usage which would include supplies and service.

We sincerely hope that an emergency situation never occurs, but we agree that advance planning is essential.

Charles R. Cook

NAS:MBN

cc: Kathryn K. Hicks, 670 LB-C

ARMS



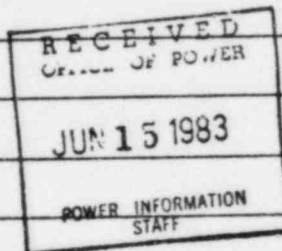
Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan

F O R	NAME	DATE
	Bill Steverson, 670 CST2	6/13/83
F R O M	ADDRESS	<input type="checkbox"/> Chatta <input type="checkbox"/> M. S. <input type="checkbox"/> Knox <input type="checkbox"/> Nor.
	Fold here for return	
F R O M	NAME	EXTENSION
	Bob Boyer, BFNP	<input type="checkbox"/> Chatta <input type="checkbox"/> M. S. <input type="checkbox"/> Knox <input type="checkbox"/> Nor.

The following revisions should be included in the
 appropriate appendix of the Information Office Emergency
 Procedures:

Contacts for opening Fine Arts Building at Calhoun
 College should be made in this order:

Bobby R. Jett 353-0296 (h); 353-3102 (w)
 Roy Childers 353-0433 (h); 353-3102 (w)
 James Chasteen 232-0353 (h); 232-1802 or
 353-3102 (w)



Memorandum

TENNESSEE VALLEY AUTHORITY

TO : Anita Davis, Supervisor, Administrative and Support Services, E3D108 C-K

FROM : Robert W. Farrell, Assistant to the Chief, Office Service Branch, 670 LB-C RW7

DATE : November 17, 1982

SUBJECT: STORAGE OF MANUAL TYPEWRITERS FOR INFORMATION OFFICE

Fifteen manual typewriters, each with an extra ribbon, are now in storage at the Muscle Shoals and Chattanooga Office Property warehouses. These typewriters can be delivered within four hours to the near-site media center in Decatur, Alabama or the YMCA in Chattanooga.

These typewriters are being charged against account number 984-19-740.

In case of a nuclear emergency, the Information Office should call the individuals listed below for delivery of the typewriters.

Chattanooga

		<u>Office Extension</u>	<u>Home Phone</u>
Primary	John Whitt	2263	(615) 867-3284
Alternate	Maurice Miller	2263	(404) 891-9788

Muscle Shoals

Primary	Jim Dossey	2511	(205) 381-1033
1st Alternate	Mailon Wilson	2511	(205) 757-2544
2nd Alternate	Luke Hawkins	2511	(205) 766-6295

RWF:PJG

cc: F. Howard Rogers, 809 CBB-C
H. Mailon Wilson, OS WH-M





A11 830110 013

STATE OF ALABAMA
CIVIL DEFENSE DEPARTMENT
ADMINISTRATIVE BUILDING
MONTGOMERY 36130

~~CWC~~
WRS

~~Ac:~~ ARMS
RCB

CECC-IPD
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FORB JAMES
GOVERNOR

January 7, 1983

SAM B. SLONE, III
DIRECTOR

Mr. Carl Crawford
Manager of Power Information
Tennessee Valley Authority
670 Chestnut Street Tower II
Chattanooga Tennessee 37401

Dear Carl:

/All 821220 002

Reference your letter of December 16, 1982 pertaining to the
Near-Site Media Center (NSMC) for the Browns Ferry Nuclear
Plant.

It is the opinion of Civil Defense that the Calhoun Community
College is the best possible location for the Center, taking
into consideration the pros and cons of the other possible
sites. The State will cooperate with TVA in the establishment
and manning of this facility.

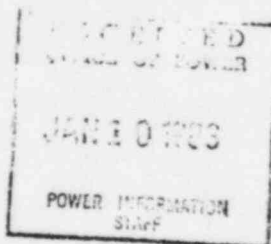
Looking forward to a continued good working relationship.

Sincerely,

Lawrence Bowden
Deputy Director

LB:ceg

cc: Governor's Press Secretary
Mr. Sam B. Slone, III



"CIVIL DEFENSE IS PLANNING TO SAVE YOUR LIFE"

Letter of Agreement

CECC-IPD
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Rev. 1

State of Alabama
Tennessee Valley Authority

NOTIFICATION OF NONEMERGENCY NUCLEAR PLANT EVENTS

This document constitutes an agreement between the State of Alabama (State) and the Tennessee Valley Authority (TVA) concerning notification of non-emergency events at TVA nuclear plants in Alabama. Emergency situation notification is discussed in the TVA Radiological Emergency Plan and in the Alabama Radiation Emergency Plan.

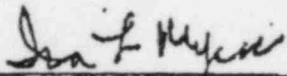
TVA will notify the Office of the Director of the Division of Radiological Health, State of Alabama (Telephone 1-205-832-5069—24-hour manned) whenever an event occurs at the Browns Ferry Nuclear Plant near Athens, or at the Bellefonte Nuclear Plant near Scottsboro, which falls into the categories listed in the attachment to this document. Notification of the State shall immediately follow notification of the Nuclear Regulatory Commission. It is the responsibility of the State to notify the appropriate local officials.

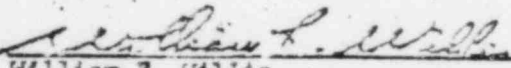
Whenever TVA issues a press release concerning problems related to the operation of the Browns Ferry or Bellefonte Nuclear Plants, TVA will inform the State prior to releasing the statement to the media.


TVA maintains a toll-free nuclear plant status report (1-800-251-9427) which is updated daily, and a toll-free information line (1-800-251-9438). TVA encourages the State to utilize these services.

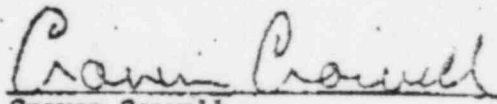
For the State of Alabama:

For the Tennessee Valley Authority:


Ira L. Myers, M.D.
State Health Officer
Alabama Department of Public Health


William F. Willis
General Manager


Sam B. Slous, III
Director of Civil Defense


Craven Crowell
Director of Information

June 10, 1980
Date

June 10, 1980
Date

Attachment



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
101 MARIETTA ST., N.W., SUITE 3100
ATLANTA, GEORGIA 30303

OCT 22 1982

A11 821025 033

ace
wh

cc: ARMS

Mr. Carl Crawford
Manager of Power Information
Tennessee Valley Authority
670 Chestnut Street Tower # 2
Chattanooga, TN 37401

Dear Mr. Crawford:

One requirement placed upon utility companies operating nuclear electric generating stations after the Three Mile Island accident was establishment of a plan and physical location for a public information media center for each facility.

Pursuant to our recent conversations, this is to confirm to you that the Nuclear Regulatory Commission plans to utilize space in any TVA public information media center established for the purpose of news dissemination during an emergency. This practice will also be followed by the NRC during full-scale drills in which NRC is a participant as well as an observer.

While we have no jurisdiction over the actions of other Federal agencies or of state and local governments involved in activities associated with the above events, we urge their full participation. Our experience has been that information is disseminated most rapidly and accurately when all information functions associated with an event coordinate closely and locate at one central distribution point.

Sincerely,

[Signature]
Kenneth M. Clark
Public Affairs Officer



To: Bill Steverson

Fr: Gil Francis

Dt: April 12, 1983

Re: Air Transportation - Nuclear Emergency Plans.

The following list of companies have aircraft available for charter service to the Browns Ferry Plant area:

Bluebird Aviation Inc. McGhee Tyson Airport ... 24 hour service.
970-3457

Tomahawk Airways. McGhee Tyson Airport ... 24 hour service.
970-2779

Professional Jet Service. McGhee Tyson Airport. 5:30a.m.- 11p.m..
week days and 6a.m.- 11p.m. weekends.
970-3121

In addition, TVA aircraft can be obtained by calling Bob Johnson at 3411-X or have him reached through the TVA operator.

TVA air transportation is subject to the availability of aircraft and pilots.

Transportation from the airports can be obtained by contacting Public Safety, John Jones extension 2804.

GF102.I1

MAR 23 1983

Mr. Lacy Sulter, Director
Tennessee Emergency Management Agency
National Guard Armory
3041 Sidco Drive
Nashville, Tennessee 37204

Dear Mr. Sulter:

This letter will confirm a verbal agreement between your staff, the TVA Division of Nuclear Power, and the TVA Information Office concerning notification of the Tennessee Emergency Management Agency (TEMA) on significant nuclear plant events that do not initiate the Radiological Emergency Plan (REP).

As you know, virtually all nuclear events that would affect the operations of TEMA are reported to your agency under the REP. However, TVA may provide information to the media about events at our nuclear plants that do not require activation of the REP. We understand the need of your staff to be made aware of these matters before they are publicly announced so you can respond to questions from the media and other State agencies. The TVA Information Office will notify TEMA of any non-REP events that may create media interest.

Please let us know if this is acceptable to your agency. Thank you for your cooperation.

Sincerely,

Craven Crowell
Director of Information

CWC:WRS:DF
cc: Mr. Hal Fuqua
National Guard Armory
3041 Sidco Drive
Nashville, Tennessee 37204

H. G. Parris, 650 CST2-C

LG3069.G1



111 830413 019

CECC-IPD
IP-15
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**MILITARY DEPARTMENT OF TENNESSEE
TENNESSEE EMERGENCY MANAGEMENT AGENCY
EMERGENCY OPERATIONS CENTER**

3041 SIDCO DRIVE
NASHVILLE 37204
PHONE (615) 741-5181

WRS

31 March 1983

cc: ARMS
CWC

Mr. Craven Crowell
Director of Information
Tennessee Valley Authority
Knoxville, Tennessee 37902

Dear Mr. Crowell:

/A47 830324 004

Reference your letter dated 23 March 1983, concerning release of information to the media about events at nuclear plants that do not require activation of the REP. As long as the Tennessee Emergency Management Agency is notified of any non-REP events that may create media interest, this is acceptable to our agency.

Sincerely,

Lacy E. Suiter
Lacy E. Suiter
State Director

LES/HP/m

cc: Mr. Eric Sliger



RECEIVED
Tennessee Valley Authority

APR 6 1983

INFORMATION OFFICE

APR 25 1983

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IP-15
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Rev. 1

WRS

Captain Joel Parham
Tennessee Highway Patrol
7601 Kingston Pike
Knoxville, Tennessee 37919

Dear Captain Parham:

This letter confirms discussions between our respective staffs concerning assistance which the Tennessee Highway Patrol (THP) may provide TVA during a drill or an emergency at a TVA nuclear facility. That assistance is as follows:

1. Provide escort for TVA vehicles
2. Clear highways for TVA vehicles
3. Transport key TVA personnel as requested
4. Provide other assistance as required

As we understand these discussions, TVA will notify THP as to which services are required, when required, and for how long. The following TVA Information Office personnel are authorized to request such assistance:

- | | |
|----------------------|------------------------------------|
| 1. Craven Crowell | Director of Information |
| 2. Louis Gwin | Assistant Director of Information |
| 3. Bruce Cadotte | Manager, Media Relations |
| 4. John Williams | Chief, Broadcast/Audiovisual Staff |
| 5. Alan Carmichael | Manager, News Desk |
| 6. William Steverson | Manager, Nuclear Information |

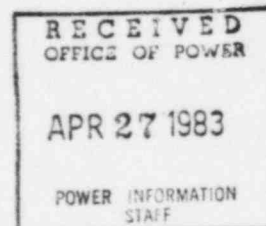
We appreciate your cooperation. If you have any questions, please let us know.

Sincerely,

Craven Crowell
Director of Information

GF:NBH

GF3109.G2



CONTRACT NO. TV-55475A

ACCOUNT NO. 993-02-210

OFFICE OF THE GENERAL MANAGER,
INFORMATION OFFICE

AGREEMENT.

Between
JOHN C. CALHOUN STATE COMMUNITY COLLEGE
And
TENNESSEE VALLEY AUTHORITY
For
USE OF COLLEGE FACILITIES
At
DECATUR, ALABAMA

THIS AGREEMENT, made and entered into as of the 1st day of March 1981, between JOHN C. CALHOUN STATE COMMUNITY COLLEGE, Decatur, Alabama (hereinafter designated as "College"), and TENNESSEE VALLEY AUTHORITY, with a mailing address of 600 Lupton Building, Chattanooga, Tennessee 37401 (hereinafter designated as "TVA"),

W I T N E S S E T H:

WHEREAS, TVA desires to use certain College campus facilities to establish a Near Site Press Center in the event of a major incident at TVA's Browns Ferry Nuclear Plant and for 72-hour drills for preparation of any such event at a minimum of once a year,

NOW, THEREFORE, in consideration of the sums to be paid by TVA to the College as hereinafter provided, and the mutual covenants and agreements as herein contained, it is agreed between the College and TVA as follows:

1. TVA is hereby permitted and authorized to use the facilities described below at any time; provided, however, that TVA will give the College two (2) hours' notice prior to any such use:

Rooms 123, 110, 144, 133, 134A, 143A, and 143C of the Fine Arts Building; and the main gymnasium as required.

2. In addition to the use of the above described facilities, the College will provide to TVA the following:

- a. 24-hour-a-day guard service.
- b. A convenience copier in Room 123, Fine Arts Building.
- c. Printing shop support as required.
- d. Tables and chairs as required.
- e. A sign on the outside College marquee reading "Browns Ferry Press Center."

3. TVA shall have the right to post information signs on the campus lawn indicating direction to the Press Center; install two (2) to five (5) hard-wire phones, including lock box, in Room 123, Fine Arts Building; and install additional phone jacks in the occupied space as required.

4. TVA will reimburse College for loss, damage, or injury to the College facilities caused by TVA's employees, agents, invitees, or licensees. TVA will protect and save harmless College from any claims for personal injury or property damage made by TVA's employees, agents, invitees, or licensees and arising out of TVA's use of College's facilities unless such injury or damage is caused by the negligence of College.

5. TVA is to pay to the College for the facilities and services provided hereunder as follows:

- a. One Hundred Dollars (\$100.00) a day for use of the rooms in the Fine Arts Building for the first three (3) consecutive

days of use and Twenty-Five Dollars (\$25.00) a day thereafter during any period of use.

- b. Ten Dollars (\$10.00) an hour for use of the gymnasium with a maximum of Forty-Five Dollars (\$45.00) for partial days' use; full 24-hour day's use at the rate of One Hundred Twenty-Five Dollars (\$125.00) a day.
- c. Ten Dollars (\$10.00) an hour for printing of large volumes of material requiring use of the College Printing Department and personnel during regular working hours and Fifteen Dollars (\$15.00) an hour for overtime to cover personnel involved. TVA would pay for materials used based on actual cost to College.
- d. Ten Cents (\$0.10) a copy for regular Xeroxing of press releases, letters, etc.
- e. Three Dollars and Eighty Cents (\$3.80) an hour for each security guard during regular working hours and Five Dollars and Seventy Cents (\$5.70) an hour for overtime.

The College shall submit itemized invoices at the end of each month for facilities used by TVA and services provided by the College. Invoices should be submitted to Tennessee Valley Authority, Information Office, 400 Commerce Avenue (E3D92 C-K), Knoxville, Tennessee 37902.

6. This agreement shall be effective as of March 1, 1981, and shall continue in effect for an initial firm term of one (1) year, and from year to year thereafter, subject to termination by either party at any time during the extended term on six (6) months' written notice to the other party.

Expend

7. No member of or delegate to Congress or Resident Commissioner, or any officer, employee, special Government employee, or agent of TVA shall be admitted to any share or part of this contract or to any benefit that may arise therefrom unless the contract be made with a corporation for its general benefit, nor shall the contractor offer or give, directly or indirectly, to any officer, employee, special Government employee, or agent of TVA, any gift gratuity, favor, entertainment, loan, or any other thing of monetary value, except as provided in 18 C.F.R. § 1300.735-12, or -34. Breach of this provision shall constitute a material breach of this contract.

IN WITNESS WHEREOF, the parties hereto have hereunto subscribed their names as of the day and year first above written.

Attest:

Myrtle Hill

JOHN C. CALHOUN STATE COMMUNITY
COLLEGE

By James E. Chastain
Title President

by
TENNESSEE VALLEY AUTHORITY

By Maah B. McCall
Chief, Office Service Branch

Law

CONTRACT NO. TV-58864A

ACCOUNT NO. 984-12-740

OFFICE OF POWER,
INFORMATION STAFF

AGREEMENT
Between
YOUNG MEN'S CHRISTIAN ASSOCIATION - CENTRAL BRANCH
And
TENNESSEE VALLEY AUTHORITY
For
USE OF MEETING FACILITIES
At
CHATTANOOGA, TENNESSEE

THIS AGREEMENT, made and entered into as of the 1st day of October, 1982, between YOUNG MEN'S CHRISTIAN ASSOCIATION - CENTRAL BRANCH, Chattanooga, Tennessee (hereinafter designated as "YMCA"), and TENNESSEE VALLEY AUTHORITY, with a mailing address of 600 Lupton Building, Chattanooga, Tennessee 37401 (hereinafter designated as "TVA"),

W I T N E S S E T H:

WHEREAS, TVA desires to use certain meeting facilities to establish a Near Site Media Center in the event of a major incident at TVA's Sequoyah Nuclear Plant and for 72-hour drills for preparation of any such event at a minimum of once a year.

NOW, THEREFORE, in consideration of the sums to be paid by TVA to the YMCA as hereinafter provided, and the mutual covenants and agreements as herein contained, it is agreed between the YMCA and TVA as follows:

1. TVA is hereby permitted and authorized to use the facilities described below at any time in an emergency; provided, however, that TVA will give the YMCA two (2) hours' notice prior to any such use:

Rooms 204, 205, 232, 233, and 239 as required.

For scheduled drills, arrangements will be made with the YMCA thirty (30) days in advance by TVA's Power Information Staff.

2. In addition to the use of the above described facilities, the YMCA will provide tables and chairs as required.

3. TVA shall have the right to post information signs outside the building and in the front floor entrance indicating directions to the media center; and install additional telephone jacks in the occupied space as required.

4. TVA will reimburse the YMCA for loss, damage, or injury to the YMCA facilities caused by TVA's employees, agents, invitees, or licensees. TVA will protect and save harmless the YMCA from any claims for personal injury or property damage made by TVA's employees, agents, invitees, or licensees and arising out of TVA's use of the YMCA facilities unless such injury or damage is caused by the negligence of the YMCA.

5. TVA is to pay to the YMCA for the facilities provided hereunder as follows:

- a. Two Hundred Sixty-five Dollars (\$265.00) a day for use of the rooms identified herein in paragraph one above for any period of use during regularly scheduled open times.
- b. Twenty-five Dollars (\$25.00) per hour overtime pay in addition to the above described rates for a normal day's use if the facility is used during any part of the following regularly scheduled closing times:

6:00 p.m. Saturday to 1:00 p.m. Sunday

6:00 p.m. Sunday to 6:00 a.m. Monday

The YMCA shall submit itemized invoices at the end of any month which the facilities are used by TVA. Invoices should be submitted to Tennessee Valley Authority, Power Information Staff, 670 Chestnut Street Tower II, Chattanooga, Tennessee 37402.

6. This agreement shall be effective as of October 1, 1982, and shall continue in effect for an initial firm term of one (1) year, and from year to year thereafter, subject to termination by either party at any time during the extended term on six (6) months' written notice to the other party.

7. No member of or delegate to Congress or Resident Commissioner, or any officer, employee, special Government employee, or agent of TVA shall be admitted to any share or part of this agreement or to any benefit that may arise therefrom unless the agreement be made with a corporation for its general benefit, nor shall the contractor offer or give, directly or indirectly, to any officer, employee, special Government employee, or agent of TVA, any gift, gratuity, favor, entertainment, loan, or any other thing of monetary value, except as provided in 18 C.F.R. § 1300.735-12 or -34. Breach of this provision shall constitute a material breach of this agreement.

IN WITNESS WHEREOF, the parties hereto have hereunto subscribed their names as of the day and year first above written.

Attest:

YOUNG MEN'S CHRISTIAN ASSOCIATION -
CENTRAL BRANCH

By Ronald P. Moore /s/

Title Executive Director

TENNESSEE VALLEY AUTHORITY

By Mack B. McCarley /s/
Chief, Office Service Branch

Law

CONTRACT NO. TV-60562A
ACCOUNT NO. 98,-19-740
OFFICE OF POWER,
INFORMATION STAFF

AGREEMENT
Between
QUALITY INN, SWEETWATER, TENNESSEE
And
TENNESSEE VALLEY AUTHORITY
For
USE OF MEETING FACILITIES
At
SWEETWATER, TENNESSEE

THIS AGREEMENT, made and entered into as of the 1st day of May, 1983, between Quality Inn, Sweetwater, Tennessee (hereinafter designated as "Quality Inn"), and TENNESSEE VALLEY AUTHORITY, with a mailing address of 200 Lupton Building, Chattanooga, Tennessee 37401 (hereinafter designated as "TVA"),

W I T N E S S E T H:

WHEREAS, TVA desires to use certain meeting facilities situated in the Quality Inn, Sweetwater, Tennessee, to establish a Near Site Media Center in the event of a major incident at TVA's Watts Bar Nuclear Plant and for 72-hour drills for preparation of any such event at a minimum of once a year.

NOW, THEREFORE, in consideration of the sums to be paid by TVA to Quality Inn as hereinafter provided, and the mutual covenants and agreements as herein contained, it is agreed between Quality Inn and TVA as follows:

1. TVA is hereby permitted and authorized to use the facilities described below at any time in an emergency; provided, however, that TVA will give Quality Inn two (2) hours' notice prior to any such use:

Andrew Johnson Room, Conference Room, James K.
Polk Room, Suite A, Suite B, Suite C, Suite D,
and Suite E as required.

For scheduled drills, arrangements will be made with Quality
Forty-Five (45) ^{in person} ~~days~~ days in advance by TVA's Power Information Staff.

2. In addition to the use of the above described facilities, Quality Inn will provide and set up tables and chairs as required.
3. TVA shall have the right to post information signs outside the building and in the lobby area indicating directions to the media center; and install additional telephone jacks in the occupied space as required.
4. In the event large crowds of reporters make the use of the Andrew Johnson Room impractical, Quality Inn shall make the indoor courtyard available to TVA for press briefings. This area will not be used during drills.
5. TVA shall have the right to store up to ten (10) telephone sets and two (2) typewriters permanently in closets provided by Quality Inn.
6. If guest rooms are available during an emergency, TVA employees shall have first call for reservations. Guest rooms to be used in connection with scheduled drills will be reserved thirty (30) days in advance by TVA's Power Information Staff. Any charges for use of guest rooms by TVA employees shall be billed separately and shall not be payable under this agreement.
7. TVA will reimburse Quality Inn for loss, damage, or injury to the Quality Inn facilities caused by TVA's employees, agents, invitees, or licensees. TVA will protect and save harmless Quality Inn from any claims for personal injury or property damage arising out of TVA's use of the Quality Inn facilities unless such injury or damage is caused by the negligence of Quality Inn.

8. TVA is to pay to Quality Inn for the facilities and services provided hereunder as follows:

- a. Andrew Johnson Room - Two Hundred Fifty-Seven and 50/100 Dollars (\$257.50) a day.
- b. James K. Polk Room - One Hundred Eighty and 25/100 Dollars (\$180.25) a day.
- c. Conference Room - One Hundred Three Dollars (\$103.00) a day.
- d. Indoor Courtyard - Two Hundred Fifty-Seven and 50/100 Dollars (\$257.50) a day.
- e. Suites A - D - Forty-Three and 78/100 Dollars (\$43.78) a day for each suite.
- f. Suite E - Fifty-One and 50/100 Dollars (\$51.50) a day.

The term "day" is defined as a 24-hour period beginning at 6:00 a.m. and ending at 6:00 a.m., or any part thereof.

Quality Inn shall submit itemized invoices at the end of each month for any of the above facilities used by TVA and services provided by Quality Inn. Invoices should be submitted to Tennessee Valley Authority, Power Information Staff, 670 Chestnut Street Tower II, Chattanooga, Tennessee 37401.

9. This agreement shall be effective as of May 1, 1983, for an initial firm term of one (1) year, and shall be automatically renewed for an additional term of one year on each anniversary date thereafter, subject to termination by either party at any time during the extended term on six (6) months' written notice to the other party.

10. Lessor agrees to comply with the provisions of Executive Order No. 11246 and the Facilities Nondiscrimination clause contained therein which is made a part of this agreement by reference.

11. No member of or delegate to Congress or Resident Commissioner, or any officer, employee, special Government employee, or agent of TVA shall be admitted to any share or part of this agreement or to any benefit that may arise therefrom unless the agreement be made with a corporation for its general benefit, nor shall the contractor offer or give, directly or indirectly, to any officer, employee, special Government employee, or agent of TVA, any gift, gratuity, favor, entertainment, loan, or any other thing of monetary value, except as provided in 18 C.F.R. § 1300.735-12 or -34. Breach of this provision shall constitute a material breach of this agreement.

IN WITNESS WHEREOF, the parties hereto have hereunto subscribed their names as of the day and year first above written.

Attest:

QUALITY INN, SWEETWATER, TENNESSEE

By Joel E. Epps

Title C.M.

TENNESSEE VALLEY AUTHORITY

By Mark B. McIsaac
Chief, Office Service Branch

Law

NUCLEAR EMERGENCY SUPPLIES INVENTORY

Near-Site Media Centers

*These items are stored in boxes located in the Knoxville Information Office and will be transported to the NSMC in the event of an emergency.

- 2 scotch tape dispensers
- 2 packs of tape
- 2 boxes of thumbtacks
- 1 stapler
- 1 box of staples
- 24 ink pens
- 12 pencils
- paper clips
- liquid paper
- 1 box rubber bands
- 3 pairs of scissors
- 2 packs of felt markers for use on white board
- 12 felt tip pens
- 1 ink pad
- 4 radiation information booklets
- 5 copies of Information Office Procedures for Nuclear Emergencies
- 100 media registration forms
- 100 name tags
- 50 Browns Ferry emergency information brochures
- 50 Sequoyah emergency information brochures
- 15 legal-size note pads
- 800 sheets of bond paper
- 2 TVA telephone books
- Magnetic signs for media shuttle van
- NSMC log sheets for news releases - in black book
- NSMC log sheets for news briefings - in black book
- NSMC log sheets for non-TVA releases - in black book

MAJOR EQUIPMENT INVENTORY FOR USE AT NEAR-SITE MEDIA CENTERS

(Not including audiovisual equipment)

<u>Item</u>	<u>Present Location</u>	<u>Group Responsible For Transporting Item to NSMC</u>	<u>Location at NSMC</u>
J-500 computer and printer	Power Information Staff Chattanooga	Power Information Staff	TVA room
Panafax 3000 telecopier	Power Information Staff Chattanooga	Power Information Staff	TVA room
Portable copier	Power Information Staff Chattanooga	Power Information Staff	TVA room
Status board (white board)	Power Information Staff Chattanooga	Power Information Staff	Media room
Plant charts	Power Information Staff Chattanooga	Power Information Staff	Media room, TVA room
Wall maps	Power Information Staff Chattanooga	Power Information Staff	Media room
Media kits	Knoxville Information Office	News Desk Staff	Media room
Electric typewriters (three or four)	Knoxville Information Office	News Desk Staff	TVA, NRC, State rooms
Manual typewriters	(see attached memorandum from R. W. Farrell to Anita Davis)		Media room
7 easels	Power Information Staff Chattanooga	Power Information Staff	Various locations

NUCLEAR EMERGENCY SUPPLIES INVENTORY

Central Emergency Control Center, Information Office

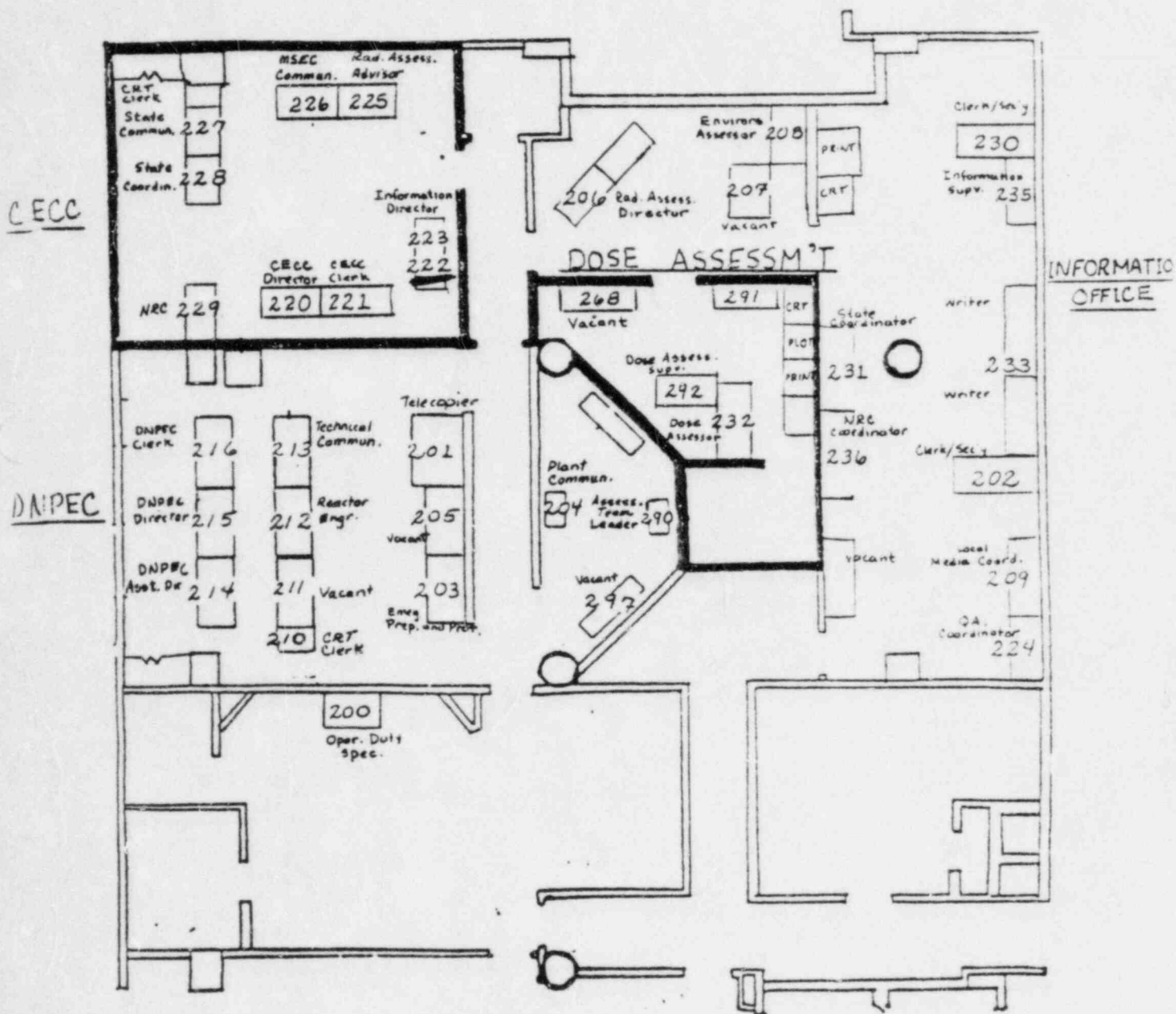
*These items are stored in a box located in the store room of the Power Information Staff, 670 CST2-C, and will be moved to the Central Emergency Control Center Information Office in the event of an emergency.

- thumbtacks
- scotch tape dispenser
- tape
- paper clips
- rubber bands
- scissors
- pen
- pencils
- liquid paper
- legal-size notepads (at least one dozen)
- telephone return call pads
- 400 sheets of bond paper
- 3 TVA telephone books
- 3 bell telephone books
- radiation information booklets
- BFNP emergency information brochures
- SNP emergency information brochures
- 5 copies of Information Office procedures, with telephone lists attached
- CECC information log sheets - in black book

APPENDIX B

Diagram of CECC Information Staff

Figure 1
CECC FLOOR PLAN

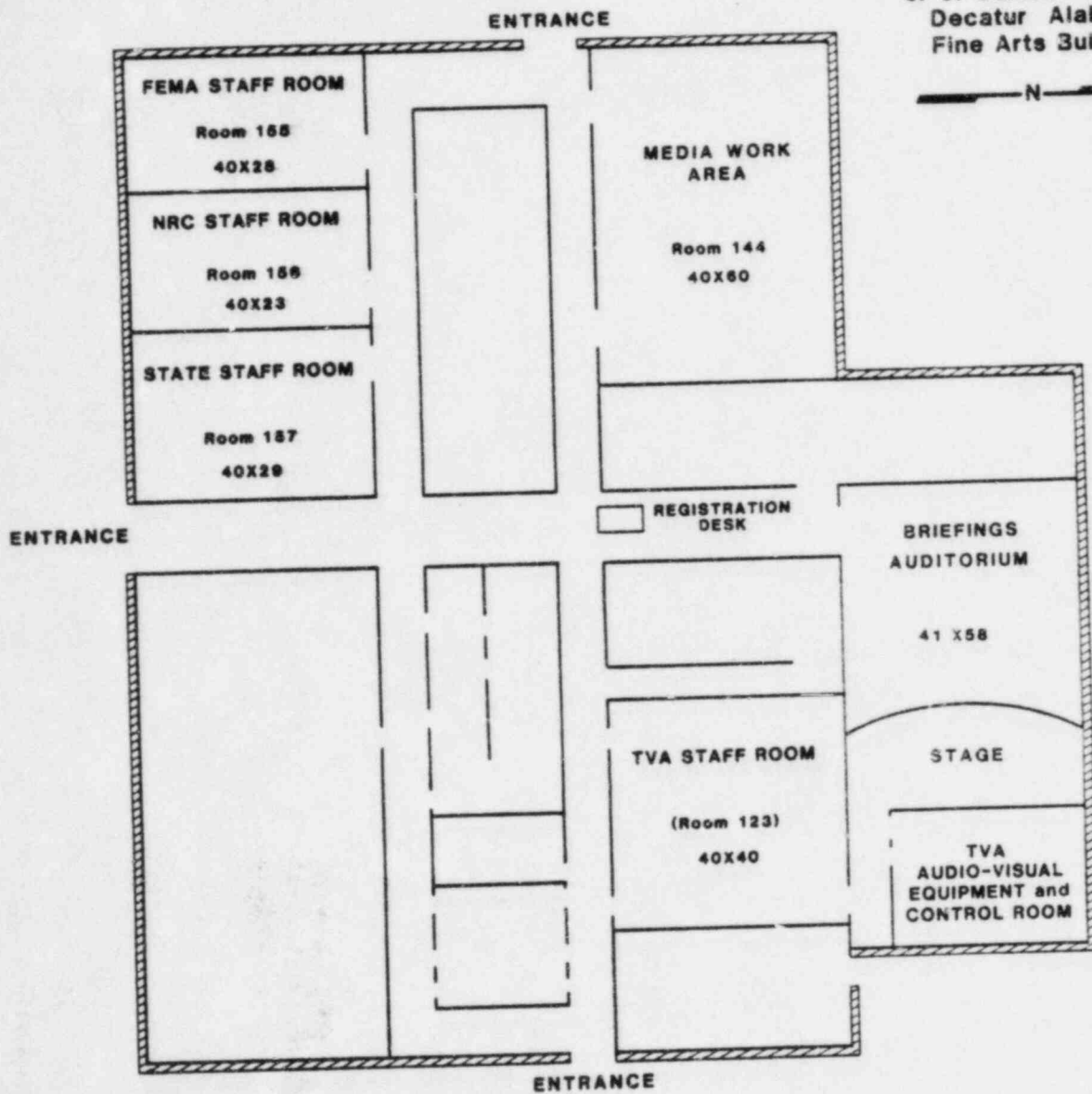


APPENDIX C

Diagram of BFNP Near-Site Media Center

**BROWNS FERRY NUCLEAR PLANT
RADIOLOGICAL EMERGENCY PLAN
NEAR SITE MEDIA CENTER**

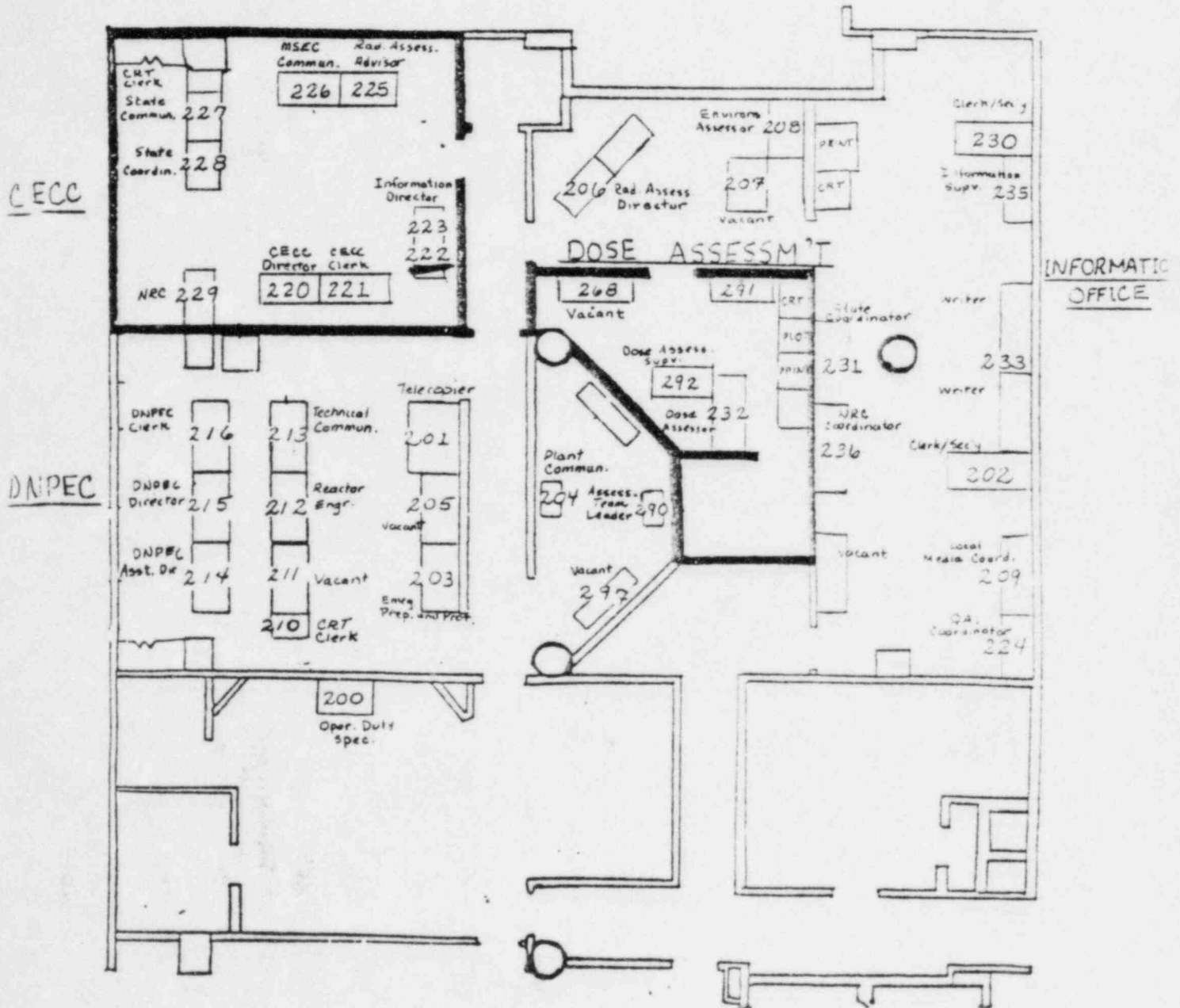
J. C. Calhoun College
Decatur Alabama
Fine Arts Building



APPENDIX B

Diagram of CECC Information Staff

Figure 1
CECC FLOOR PLAN



7-7-83

APPENDIX E

Diagram of WBNP Near-Site Media Center
(Later)

APPENDIX F

Log Sheets

NEMC LOG SHEET
News Briefings

Number	Time Begun	Participants	Time Ended	General Subject

NSMC LOG SHEET Non-TVA News Releases				
Number	Subject	Issued By	Reviewed by TVA (time and name of reviewer)	Time Distributed to Media

CECC INFORMATION LOG SHEET
 TVA News Releases

Number	Subject	Approved by TVA (Name of Reviewer and Time)	Time Sent to NRC for review	Time Sent to TEMA for review	Time Sent to NSMC for Release

NSMC LOG SHEET
TVA News Releases

Number	Subject	Time Received from CECC	Time Distributed to Media	Comments

RADIOLOGICAL EMERGENCY PLAN

Revision Date: PORC 9-1-83 (issued 9-20-83)

This log sheet must be retained as the last page of the Browns Ferry Nuclear Plant Implementing Procedures Document.

Reason for revision: See coversheet

Inserted by: _____

Date Inserted: _____

<u>Pages to be Removed</u>			<u>New Pages to be Inserted</u>		
<u>Part</u>	<u>Page Number</u>	<u>Revision</u>	<u>Part</u>	<u>Page Number</u>	<u>Revision</u>
Effective Page Listing	1 of 8	9-8-83	Effective Page Listing	1 of 8	9-20-83
	2 of 8	9-8-83		2 of 8	9-20-83
IP-6	Coversheet	8-11-83	IP-6	Coversheet	9-1-83
Att. 1	1 of 6	7-6-83	Att. 1	1 of 6	9-1-83
	2 of 6	7-6-83		2 of 6	9-1-83

TENNESSEE VALLEY AUTHORITY

BROWNS FERRY NUCLEAR PLANT IMPLEMENTING PROCEDURES DOCUMENT

LIST OF EFFECTIVE PAGES

This List of Effective Pages must be retained with the Browns Ferry Nuclear Plant Implementing Procedures Documents.

Part	Procedure Number	Subdivision	Page Number	Date/Rev. No.
BFN		List of Effective Pages	1 of 8	09/20/83
			2 of 8	09/20/83
			3 of 8	08/03/83
			4 of 8	06/21/83
			5 of 8	06/17/83
			6 of 8	06/21/83
			7 of 8	06/17/83
			8 of 8	09/08/83
		Table of Contents	Coversheet	07/06/83
			1 of 1	07/06/83
	IP-1	Preface	Coversheet	07/06/83
			1 of 1	10/19/82
	IP-1		1 of 11	04/07/83
			2 of 11	10/19/82
			3 of 11	10/19/82
			4 of 11	10/19/82
			5 of 11	10/19/82
			6 of 11	10/19/82
			7 of 11	10/19/82
			8 of 11	10/19/82
			9 of 11	10/19/82
			10 of 11	07/06/83
			11 of 11	04/07/83
	IP-2		Coversheet	07/06/83
			1 of 3	06/02/83
			2 of 3	07/06/83
			3 of 3	02/04/83
	IP-3		Coversheet	06/25/82
			1 of 2	06/02/83
			2 of 2	06/02/83

LIST OF EFFECTIVE PAGES (Con't)

Part	Procedure Number	Subdivision	Page Number	Date/Rev. No.
BFN (Cont'd)	IP-3	Table 1	1 of 1	10/19/82
		Table 2	1 of 1	10/19/82
	IP-4		Coversheet	10/19/82
			1 of 3	06/02/83
			2 of 3	06/02/83
			3 of 3	04/07/83
		Table 1	1 of 1	10/19/82
		Table 2	1 of 1	10/19/82
	IP-5		Coversheet	06/29/82
			1 of 3	06/02/83
			2 of 3	06/02/83
			3 of 3	04/07/83
		Table 1	1 of 1	10/19/82
		Table 2	1 of 1	10/19/82
	IP-6		Coversheet	09/01/83
			1 of 1	04/22/82
		Attachment 1	1 of 6	09/01/83
			2 of 6	09/01/83
			3 of 6	07/06/83
			4 of 6	07/06/83
			5 of 6	07/06/83
			6 of 6	08/11/83
		IP-7	Coversheet	08/11/83
			1 of 1	12/21/81
		Attachment 1	1 of 2	08/11/83
			2 of 2	08/11/83
	IP-8		Coversheet	06/15/82
			1 of 3	04/07/83
			2 of 3	04/07/83
			3 of 3	04/07/83
		Attachment 1	1 of 1	06/06/83
	IP-9		Coversheet	06/15/82
			1 of 1	12/21/82

ATTACHMENT B

* COVER SHEET FOR PLANT PROCEDURES

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT

IPD BFN, IP-6

PROCEDURE TYPE AND NUMBER

PROCEDURE TITLE

Activation of the Technical Support
Center

AFFECTED UNIT

1, 2, and 3

PREPARED/REVISED BY:

C. J. Rozear

SUBMITTED BY:

T. L. Chinn

Supervisor

FORC REVIEW DATE:

J. A. Coffey 7/1/83

APPROVED:

J. A. Coffey
Plant Superintendent

History of Revisions

Revision Date/Affected Pages

Aug 11 1983 / 6 of Attachment 1

Sept 1 1983 / 1 & 2 of Att. 1

* DESCRIPTION OF AND REASON FOR CURRENT REVISION:

To change names for Site Emergency Director from J. A. Coffey to G. T. Jones
and to change one name, and appropriate phone numbers changed

*Revision

ATTACHMENT 1

Contact one or more AS NOTED.

Message: "We have a/an (ALERT) (SITE EMERGENCY) (GENERAL EMERGENCY) condition existing at the plant. This is not a drill. Please report to the Technical Support Center immediately as the (Job Title)."

SITE EMERGENCY DIRECTOR (CONTACT 1)

<u>Initials</u>	<u>Time Contacted</u>	<u>Name</u>	<u>PAX</u>	<u>Dim</u>	<u>Home</u>	<u>Pager</u>
* _____	_____	George Jones	212/221	701	Decatur - 350-7444	212
_____	_____	Jim Swindell	221/212	701	Decatur - 355-7277	103
_____	_____	John Pittman	221/212	701	Decatur - 355-0230	221
_____	_____	Ray Hunkapillar	205/214	794	Decatur - 355-5667	204

OPERATIONS MANAGER (CONTACT 1)

_____	_____	Ray Hunkapillar	205/214	794	Decatur - 355-5667	204
_____	_____	Tommy Jordan	205/214	793	Muscle Shoals - 383-5868	129
_____	_____	A. L. Burnette	429/430	861	Florence - 766-1929	130

TECHNICAL ASSESSMENT MANAGER (CONTACT 1)

_____	_____	J. E. Swindell	221/212	701	Decatur - 355-7277	103
_____	_____	W. C. Thomison	208	784	Decatur - 355-5443	208
_____	_____	Dwight Mims	171/272	834	Decatur - 350-9659	272

*Revision

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SEP 01 1983

ATTACHMENT 1 (Continued)

MAINTENANCE MANAGER (CONTACT 1)

<u>Initial</u>	<u>Time Contacted</u>	<u>Name</u>	<u>PAX</u>	<u>Dim</u>	<u>Home</u>	<u>Pager</u>
_____	_____	John Pittman	221/212	701	Decatur - 355-0230	221
* _____	_____	John Miller	• 701/715	712	Decatur - 353-4375	259
_____	_____	Tom Cosby	207/235	797	Florence - 767-4463	235

REP COMMUNICATOR (CONTACT 1)

_____	_____	Terry Chinn	405/406	786	Athens - 729-8505	141
_____	_____	Bill Roberts	405/406	788	Athens - 232-7027	142
_____	_____	Carroll Rozear	405/406	788	Decatur - 355-4721	143

SECRETARY (CONTACT 3)

_____	_____	Glenda Harrison	212/221	701	Athens - 729-6573	_____
_____	_____	Betty Riley	221/212	701	Athens - 232-5602	_____
_____	_____	Cathy McChristian	245/210/440	840	Athens - 232-6517	_____
_____	_____	Bonnie Ferguson	241	790	Florence - 766-6003	_____
* _____	_____	Sandra Holland	405/406	787	Athens - 233-2862	_____
_____	_____	Jacque Garner	221/212	701	Athens - 233-0576	_____

*Revision

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BPN-IPD
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Attachment 1
SEP 01 1983

RADIOLOGICAL EMERGENCY PLAN

Revision Date: PORC 8/3/83 thru 8/11/83 (issued 9/8/83)

This log sheet must be retained as the last page of the Browns Ferry Nuclear Plant Implementing Procedures Document.

Reason for revision: See procedure coversheets

Inserted by: _____

Date Inserted: _____

<u>Pages to be Removed</u>			<u>New Pages to be Inserted</u>		
Part	Page Number	Revision	Part	Page Number	Revision
Effective Page Listing	1 of 8	8/3/83	Effective Page Listing	1 of 8	9/8/83
	2 of 8	8/3/83		2 of 8	9/8/83
	8 of 8	8/3/83		8 of 8	9/8/83
IP-6	Coversheet	7/6/83	IP-6	Coversheet	8/11/83
Att. 1	6 of 6	7/6/83	Att. 1	6 of 6	8/11/83
IP-7	Coversheet	7/6/83	IP-7	Coversheet	8/11/83
Att. 1	1 of 2	7/6/83	Att. 1	1 of 2	8/11/83
	2 of 2	7/6/83		2 of 2	8/11/83
IP-26	Coversheet	7/6/83	IP-26	Coversheet	8/3/83
	3 of 4	7/6/83		3 of 4	8/3/83

TENNESSEE VALLEY AUTHORITY

BROWNS FERRY NUCLEAR PLANT IMPLEMENTING PROCEDURES DOCUMENT

LIST OF EFFECTIVE PAGES

This List of Effective Pages must be retained with the Browns Ferry Nuclear Plant Implementing Procedures Documents.

Part	Procedure Number	Subdivision	Page Number	Date/Rev. No.
BFN		List of Effective Pages	1 of 8	09/08/83
			2 of 8	09/08/83
			3 of 8	08/03/83
			4 of 8	06/21/83
			5 of 8	06/17/83
			6 of 8	06/21/83
			7 of 8	06/17/83
			8 of 8	09/08/83
		Table of Contents	Coversheet	07/06/83
			1 of 1	07/06/83
	IP-1	Preface	Coversheet	07/06/83
			1 of 1	10/19/82
	IP-1		1 of 11	04/07/83
			2 of 11	10/19/82
			3 of 11	10/19/82
			4 of 11	10/19/82
			5 of 11	10/19/82
			6 of 11	10/19/82
			7 of 11	10/19/82
			8 of 11	10/19/82
			9 of 11	10/19/82
			10 of 11	07/06/83
			11 of 11	04/07/83
	IP-2		Coversheet	07/06/83
			1 of 3	06/02/83
			2 of 3	07/06/83
			3 of 3	02/04/83
	IP-3		Coversheet	06/29/82
			1 of 2	06/02/83
			2 of 2	06/02/83

LIST OF EFFECTIVE PAGES (Con't)

Part	Procedure Number	Subdivision	Page Number	Date/Rev. No.
BFN (Cont'd)	IP-3	Table 1	1 of 1	10/19/82
		Table 2	1 of 1	10/19/82
	IP-4		Coversheet	10/19/82
			1 of 3	06/02/83
			2 of 3	06/02/83
			3 of 3	04/07/83
		Table 1	1 of 1	10/19/82
		Table 2	1 of 1	10/19/82
	IP-5		Coversheet	06/29/82
			1 of 3	06/02/83
			2 of 3	06/02/83
			3 of 3	04/07/83
		Table 1	1 of 1	10/19/82
		Table 2	1 of 1	10/19/82
	IP-6		Coversheet	08/11/83
			1 of 1	04/22/82
		Attachment 1	1 of 6	07/06/83
			2 of 6	07/06/83
			3 of 6	07/06/83
			4 of 6	07/06/83
			5 of 6	07/06/83
			6 of 6	08/11/83
		IP-7	Coversheet	08/11/83
			1 of 1	12/21/81
	IP-8	Attachment 1	1 of 2	08/11/83
			2 of 2	08/11/83
		IP-8	Coversheet	06/15/82
			1 of 3	04/07/83
			2 of 3	04/07/83
			3 of 3	04/07/83
	IP-9	Attachment 1	1 of 1	06/06/83
		IP-9	Coversheet	06/15/82
			1 of 1	12/21/82

LIST OF EFFECTIVE PAGES (Con't)

Part	Procedure Number	Subdivision	Page Number	Date/Rev. No.
BFN (Cont'd)	IP-24	Attachment A (Cont'd)	29 of 36	02/23/82
			30 of 36	02/23/82
			31 of 36	02/23/82
			32 of 36	02/23/82
			33 of 36	02/23/82
			34 of 36	02/23/82
			35 of 36	02/23/82
			36 of 36	02/23/82
BFN	IP-25		Coversheet	04/07/83
			1 of 2	04/07/83
			2 of 2	04/07/83
BFN	IP-26		Coversheet	08/03/83
			1 of 4	07/06/83
			2 of 4	07/06/83
			3 of 4	08/03/83
			4 of 4	07/06/83

ATTACHMENT B

* COVER SHEET FOR PLANT PROCEDURES

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT

History of Revisions

Revision Date/Affected Pages

PROCEDURE TYPE AND NUMBER

AUG 11 1983 / 6 of attachment 1

IPD BFN, IP-6

PROCEDURE TITLE

Activation of the Technical Support
Center

AFFECTED UNIT

1, 2, and 3

PREPARED/REVISED BY:

William A. Roberts, Jr.

SUBMITTED BY:

T. L. Chinn

Supervisor

PORC REVIEW DATE:

J. E. Swindell 8/11/83

APPROVED:

J. A. Loggins
Plant Superintendent

* DESCRIPTION OF AND REASON FOR CURRENT REVISION:

To add and correct pager assignment numbers.

*Revision

ATTACHMENT 1 (Continued)

<u>Initials</u>	<u>Time Contacted</u>	<u>Name</u>	<u>PAX</u>	<u>Dim</u>	<u>Home</u>	<u>Pager</u>
-----------------	-----------------------	-------------	------------	------------	-------------	--------------

SYSTEMS & TEST ENGINEER (CONTACT 1)

_____	_____	Dwight Mims	171/272	834	Decatur - 350-9659	272
_____	_____	R. McPherson	171/272	834	Decatur - 355-6518	_____
_____	_____	Paul Romine	171/272	834	Florence - 766-2550	_____

MECHANICAL ENGINEER (CONTACT 1)

_____	_____	Tink Haney	206/241	790	Athens - 233-0834	241
_____	_____	Charlie Wages	206/241	881	Sheffield - 383-8878	202
* _____	_____	Jim Walker	206/241	791	Athens - 729-6032	146

COMPUTER SPECIALIST (CONTACT 1)

_____	_____	Larry Johnson	418	782	Athens - 233-0417	264
_____	_____	Russ McNutt	264	856	Athens - 232-2359	_____
_____	_____	Barry Lenox	264	856	Athens - 232-9576	_____
_____	_____	Wayne Lynch	264	856	Athens - 233-0998	_____

QUALITY ENGINEERING (CONTACT 1)

_____	_____	Larry Jones	100/106	831	Decatur - 350-6020	106
_____	_____	Larry Parvin	309/409	801	Athens - 232-9570	107
_____	_____	Russell Perry	100/106	623	Athens - 729-8823	109/112

PUBLIC INFORMATION OFFICER (CONTACT 1)

* _____	_____	Bob Boyer	413	839	Decatur - 350-3820	104
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*Revision

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AUG 11 1983

ATTACHMENT B

* COVER SHEET FOR PLANT PROCEDURES

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT

History of Revisions

Revision Date/Affected Page

PROCEDURE TYPE AND NUMBER
REP, IP-7
PROCEDURE TITLE

July 6, 1981 / 1, 2 (Att. 1)

Aug. 11, 1983 / 1, 2 (Att. 1)

Activation of the Operations
Support Center

AFFECTED UNIT

1, 2, and 3

PREPARED/REVISED BY:

William H. Roberts, Jr.

SUBMITTED BY:

T. L. Chinn
Supervisor

PORC REVIEW DATE:

RE Swindell 8/11/83

APPROVED: *

J. A. Long
Plant Superintendent

* DESCRIPTION OF AND REASON FOR CURRENT REVISION:

To correct phone numbers

*Revision

ATTACHMENT 1

Contact as many people in each group as noted.

Message: "We have a/an (ALERT) (SITE AREA EMERGENCY) (GENERAL EMERGENCY) condition existing at the plant. Please report to the Operations Support Center immediately."

<u>Initials</u>	<u>Time Contacted</u>	<u>Name</u>	<u>PAX</u>	<u>Dim</u>	<u>Home</u>	<u>Pager</u>
<u>INSTRUMENT MAINTENANCE (CONTACT 3)</u>						
* _____	_____	Alton McCaleb	168/418	782/781	Athens - 232-6155	160
* _____	_____	Gene Hartsfield	234/243	841/626	Athens - 232-7394	342
* _____	_____	J. D. Thompson	234/243	841/626	Decatur - 355-7709	234
* _____	_____	•Guy V. Thompson	234/243	841/626	Decatur - 355-9470	172
* _____	_____	Ken Montgomery	234/243	841/626	Rogersville - 247-0859	174
* _____	_____	Ron Turberville	234/243	841/626	Athens - 232-2145	175

ELECTRICAL MAINTENANCE (CONTACT 4)

* _____	_____	Jim Fowler	411/211	888	Lexington - 757-4733	153
▶ _____	_____	Mike Jackson	235/207/216	799	Athens - 233-2995	207
* _____	_____	John Killen	407/307/145	619/612	Florence - 766-4432	307
* _____	_____	Julian Bass	407/307/145	843	Rogersville - 247-0381	154

*Revision

Page 1 of 2
AFN-IPD
SFN, IP-7
Attachment 1
AUG 11 1983

ATTACHMENT 1 (Continued)

<u>Initials</u>	<u>Time Contacted</u>	<u>Name</u>	<u>PAX</u>	<u>Dim</u>	<u>Home</u>	<u>Pager</u>
-----------------	-----------------------	-------------	------------	------------	-------------	--------------

ELECTRICAL MAINTENANCE (Continued)

* _____	_____	Pete McLemore	407/307/145	619/612	Rogersville - 247-5317	145
* _____	_____	Billy Tompkins	307/145	843	Tuscumbia - 383-6011	150
* _____	_____	Dennis White	407/307/145	843	Killen - 757-3414	147

MECHANICAL MAINTENANCE (CONTACT 4)

_____	_____	John Whitt	310/301	620	Athens - 233-0740	310
_____	_____	• Carlos Jones	114/310	620	Athens - 232-1837	201
_____	_____	Bobby Laurence	308/310	620	Lexington - 229-5933	186
_____	_____	John Beck	102/310	620	Town Creek - 685-2793	_____
_____	_____	Tom Marshall	310/301	620	Hartselle - 773-2815	206
_____	_____	Dale Taylor	206	618	Decatur - 353-4005	214

PSO (CONTACT 1)

* _____	_____	Jim Thompson	394	820	Decatur - 355-9666	257
_____	_____	Duncan Massey	394	820	Huntsville - 852-8446	_____

*Revision

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Attachment 1
AUG 11 1983

ATTACHMENT B

* COVER SHEET FOR PLANT PROCEDURES

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT

History of Revisions

Revision Date/Affected Pages

PROCEDURE TYPE AND NUMBER
REP, BFN-IPD, IP-26
PROCEDURE TITLE

7/06/83 / All

8/03/83 / 3

Tornado Emergency Procedure

AFFECTED UNIT

Units 1, 2, and 3
PREPARED/REVISED BY:

William A. Roberts, Jr.

SUBMITTED BY:

T. L. Chinn
Supervisor

PORC REVIEW DATE:

APPROVED:

J. A. Long
Plant Superintendent

* DESCRIPTION OF AND REASON FOR CURRENT REVISION:

Correct wording error. Change "Watch" in step 2.5 to "Warning."

(INITIALS)

___ Notify the following by telephone to evacuate to tornado shelter areas:

	Pax	DIM or Bell
___ Public safety chief in administrative office building outside security fence (when building is occupied)	---	---
___ Field services section supervisor or assistants	701/715	714
___ Construction Services supervisors or foremen at Warehouse 14 (direct them to Biotherm Facility)	267/378	(Bell 729-6204)
___ Biotherm research facility supervisor or personnel (direct them to remain in facility)	341	(Bell 729-8574)
___ Personnel in Warehouse 12 (east side of powerhouse)	793/794/789	748
	Pax	DIM or Bell
___ Personnel in greenhouse (direct them to Biotherm)	---	(Bell 729-6102)
___ Low level radwaste facility	449	---

2.4 All Clear - Following Tornado Watch

___ Shift engineer notify public safety and all other personnel notified in step 2.2.

* 2.5 All Clear - Following Tornado Warning

___ 2.5.1 Shift engineer to announce "All Clear" on plant public address system. Cancel IP-2, if appropriate.

___ 2.5.2 Shift engineer to notify public safety by phone.

___ 2.5.3 Public safety service shall notify all personnel notified in step 2.3.2 and those gathered in tornado shelter areas of the "All Clear" condition..

*Revision