

TO: VSNRC File Room

VERMONT YANKEE CONTROLLED DOCUMENT TRANSMITTAL FORM

License No. DPR-28
Docket No: 50-271

SECTION 1

DOCUMENT TITLE: IMPLEMENTING PROCEDURES TO THE E-PLAN

COPY NUMBER: 54

CHANGE NUMBER: #181

ISSUE DATE: February 3, 2000

INSTRUCTIONS:

- a. Attached is an authorized controlled copy to the above listed document for retention as your assigned copy.
- b. Review the revised material.
- c. Incorporate new change into the controlled document by document issue date, if applicable.
- d. Ensure that those who use the document are aware of the change.
- e. Destroy all superseded pages.
- f. Destroy obsolete forms and insert new forms into the files.
- g. Sign and date this form and return to the Executive Secretary (ES) or Document Control Center (DCC).
- h. Complete appropriate change information on VY Controlled Document Record of Changes.

TRANSMITTED BY: *Dean McInerney*
ES or DCC Signature

AFTER COMPLYING WITH THE ABOVE INSTRUCTIONS, PLEASE RETURN TO THE ES OR DCC WITHIN 10 DAYS OF THE ISSUE DATE.

SECTION 2

The undersigned acknowledges completion of the preceding instructions.

Signature of Recipient: _____ Date: _____

A045

EPlan Implementing Procedures

To: Eplan Implementing Procedure Controlled Set Holders

From: Diane McCue *D McCue*

Date: 02/03/00

Re: VY EPlan Implementing Procedure Change # 181, Instruction Sheet

DI's: The following DI's should be incorporated into the appropriate procedures:

<u>Proc/Rev #</u>	<u>DI #</u>	<u>Procedure Title</u>
OP 3501/20	00-20	Alert
OP 3502/31	00-21	Site Area Emergency
OP 3503/33	00-22	General Emergency
OP 3504/31	00-23	Emergency Communications
OP 3513/20	00-24	Evaluation of Off-Site Rad Conditions

SECTION 1

Procedure No.: OP 3501 Revision No.: 19 DI No.: 2000-20

Title: ALERT

Reason for Change: E-PLAN ERFIS TERMINALS (OPCONS) ARE BEING REPLACED BY ERFIS PERSONAL COMPUTERS (PC'S). THIS CHANGE IS NEEDED TO BETTER DESCRIBE THE SLIGHTLY DIFFERENT STEPS NEEDED IN ORDER TO ACCESS THE ERFIS DISPLAYS.

Affected Pages: PAGES: APP. III PAGE 3 OF 7; APP. III PAGE 7 OF 7; APP. V PAGE 1 OF 5.

DI to be Incorporated: Next Revision [] OR Cancelled [] On/By Date _____

Originator: Marc Benoit Signature 11/25/2000 Date

SECTION 2

- 1. Cognizant Dept. Head: AR Chesley Signature 11/27/00 Date
- 2. Concurring Individual (PM, Supt. or designee, DCO): M. Smith Signature 11/27/00 Date
- 3. Duty Shift Supervisor: W. Katt Signature 11/27/00 Date
- 4. Duty SCRO: R. Oliver Signature 11/27/00 Date
- 5. Rad. Prot. Mgr. or Plant Health Phys.*: N/A Signature N/A Date
- 6. EPIP 10CFR50.54(q) evaluation completed per AP 3532*: David. Pasz Signature 11/27/00 Date

* NOTES

- 1. This instruction becomes effective on the date that a Second Senior Licensed Operator signs above, unless a Radiation Protection procedure is involved, in which case this instruction becomes effective on the date that a Shift Supervisor and the Radiation Protection Manager or the Plant Health Physicist sign above.
- 2. If an EPIP procedure is involved, the instruction becomes effective on the date that the second Senior Licensed Operator signs and a successful 10CFR50.54(q) evaluation is signed off.

In the affected procedure, replace the affected pages with the attached revised pages and file this form in front of Page 1.

SECTION 3

- 1. PORC Review: _____ / _____ / _____
PORC Secretary Signature / Meeting No. / Date
- 2. Plant Manager Approval: _____ / _____
Signature / Date

NOTE

The Emergency Response Data System (ERDS) must be enabled as soon as possible, but not later than one hour, after declaration of the Alert.

- DI
2000-20
6. Direct a Vernon Process Computer Engineering staff member to activate the Emergency Response Data System (ERDS) data link with the NRC. _____
 7. Assign the Operations Support Center Coordinator. _____
 8. Regarding accountability ensure that the following steps are implemented:
 - a. Direct a staff member to perform an initial and continuous accountability check of TSC, OSC, and CR personnel as stipulated in Appendix IX, Personnel Accountability Check. _____
 - b. Ensure that the names of personnel stationed at the TSC, OSC, and CR are provided to Security as soon as possible. _____
 - c. If any persons are reported missing during the accountability checks, perform the following steps:
 - 1) page the unaccounted for individual(s) in an attempt to locate them, _____
 - 2) as necessary, direct OSC Coordinator to dispatch an on-site search and rescue team to locate individual(s), and _____
 - 3) inform the Security Access Control Officer once the individual(s) are located. _____
 - d. When the initial accountability check has been completed, contact the SRM at the EOF to indicate that all personnel at the plant have been accounted for. _____

APPENDIX III (Continued)

Time Initials

14. Relative to the ad hoc Engineering Support Group (ESG), assign a technically competent individual(s) to do the following:
- a. Coordinate and prioritize any engineering tasks requested of the ESG, and
 - b. Obtain and direct the necessary support personnel to assist the ESG in their activities.
15. Announce over the plant paging system any protective actions the states may be implementing as described by the SRM.
16. If it is determined that the emergency requires implementation of Severe Accident Management, duties and responsibilities will be assumed per the SAM Guideline.

DI
98-433

Final Conditions:

1. Upon termination of the event, assist the Site Recovery Manager with the verbal close-out and preparation of a written report, if required to off-site authorities.
2. Ensure that the Vernon, Brattleboro, and Bolton telephone systems have been returned to their routine operation mode.
3. Ensure that the Vernon Process Computer Engineering staff has shut off the ERDS data link with the NRC.

DI
2000-20

APPENDIX V

ALERT - ASSIGNMENT TAG BOARD

Tag No.

(1) EOF Coordinator's Assistant

1. Obtain keys for the EOF Emergency Equipment Cabinets from the Training Building Security Desk, and open cabinets.
2. Turn on ERFIS PCs and monitors located at the EOF/RC and obtain current meteorological data by performing the following:
 - a. Depress the "ODPS" key.
 - b. Tab over to the "HISTORICAL METEOROLOGICAL DATA - 1" poke box.
 - c. Depress "Enter" key to access the MH1 display.
3. Open EOF Coordinator's cabinet, remove clipboard, and contact TSC or Control Room. Inform the Tech. Support Coordinator, or in the absence of personnel in the Tech. Support Center, inform Plant Emergency Director of your presence and request the following:
 - a. Summary evaluation of plant conditions. (Take notes)
 - b. Type of release, if release is in progress or expected.
 - c. Directional variability of the wind (i.e., any indication of trending toward new direction?).
 - d. Whether or not the Plant Emergency Director needs assistance in notifying plant management personnel, or other on-site assistance.
4. Direct the activation and staffing of the Emergency Operations Facility until arrival of the EOF Coordinator (SSCA No. 0422). Test additional phones and check radios, etc.
5. Initiate EOF Coordinator's Check List OP 3501, Alert, Appendix IV on EOF Coordinator's clipboard.
6. Organize equipment, status and mapboards, select the appropriate plume stability angle in accordance with reported meteorological conditions.
7. Upon arrival of EOF Coordinator, advise the EOF Coordinator of the situation and its status (per the check list) and act as the assistant by keeping a log of significant events and other duties as requested.

DI
2000-20

SECTION 1

Procedure No.: OP 3502 Revision No.: 31 DI No.: 2000-21

Title: SITE AREA EMERGENCY

Reason for Change: E-PLAN ERFIS TERMINALS (OPCONS) ARE BEING REPLACED BY ERFIS PERSONAL COMPUTERS (PC'S). THIS CHANGE IS NEEDED IN ORDER TO BETTER DESCRIBE THE SLIGHTLY DIFFERENT STEPS NEEDED IN ORDER TO ACCESS THE ERFIS DISPLAYS.

Affected Pages: APP. III PAGE 3 OF 7; APP III PAGE 7 OF 7; APP V PAGE 1 OF 5.

DI to be Incorporated: Next Revision OR Cancelled On/By Date _____

Originator: Mark Benoit Signature 11/25/2000 Date

SECTION 2

- 1. Cognizant Dept. Head: AR Chesley Signature 11/27/00 Date
- 2. Concurring Individual (PM, Supt. or designee, DCO): [Signature] Signature 11/27/00 Date
- 3. Duty Shift Supervisor: [Signature] Signature 11/27/00 Date
- 4. Duty SCRO: [Signature] Signature 11/27/00 Date
- 5. Rad. Prot. Mgr. or Plant Health Phys.*: N/A Signature N/A Date
- 6. EPIP 10CFR50.54(q) evaluation completed per AP 3532*: [Signature] Signature 11/27/2000 Date

* NOTES

- 1. This instruction becomes effective on the date that a Second Senior Licensed Operator signs above, unless a Radiation Protection procedure is involved, in which case this instruction becomes effective on the date that a Shift Supervisor and the Radiation Protection Manager or the Plant Health Physicist sign above.
- 2. If an EPIP procedure is involved, the instruction becomes effective on the date that the second Senior Licensed Operator signs and a successful 10CFR50.54(q) evaluation is signed off.

In the affected procedure, replace the affected pages with the attached revised pages and file this form in front of Page 1.

SECTION 3

- 1. PORC Review: _____ / _____ / _____
PORC Secretary Signature / Meeting No. / Date
- 2. Plant Manager Approval: _____ / _____
Signature / Date

APPENDIX III (Continued)

Time Initials

NOTE

The Emergency Response Data System (ERDS) must be enabled as soon as possible, but not later than one hour, after the initial declaration of an Alert or Site Area Emergency.

- DI
2000-21
6. If not previously performed, direct a Vernon Process Computer Engineering staff member to activate the Emergency Response Data System (ERDS) data link with the NRC.
- _____

NOTE

FTS 2000 phones are stored in the EP Cabinet in the TSC Communications Room.

7. If not performed previously, direct a TSC staff member to plug the FTS 2000 phones into the appropriate wall jacks as identified in Figure 4 of OP 3504.
 8. Assign the Operations Support Center Coordinator.
 9. The TSC Coordinator or designee initially directs the activities and maintains communications with the Site Boundary and Off-Site Teams until the EOF is activated.
- _____

APPENDIX III (Continued)

Time Initials

NOTE

Ensure that the status boards are updated frequently, and units of measurement are specified.

11. Brief the TSC staff periodically on the status of the emergency and pertinent plant conditions.
12. Engage in periodic discussion with the SS/PED to maintain up-to-date plant status.
13. If deemed necessary to request emergency assistance from the General Electric BWR Emergency Support Program, refer to Section M of OP 3504 (SIL0324R3).
14. Relative to the ad hoc Engineering Support Group (ESG), assign a technically competent individual(s), if not done already at a lower classification, to do the following:
 - a. Coordinate and prioritize any engineering tasks requested of the ESG, and
 - b. Obtain and direct the necessary support personnel to assist the ESG in their activities.
15. Announce over the plant paging system any protective actions the states may be implementing as described by the SRM.
16. If it is determined that the emergency requires implementation of Severe Accident Management, duties and responsibilities will be assumed per the SAM Guideline.

DI
98-434

Final Conditions:

1. Upon termination of the emergency, assist the Site Recovery Manager with the verbal close-out and preparation of a written report, if required, to off-site authorities.
2. Ensure that the Vernon, Brattleboro, and Bolton telephone systems have been returned to their routine operation mode.
3. Ensure that the Vernon Process Computer Engineering staff has shut off the ERDS data link with the NRC.

DI
2000-21

APPENDIX V
SITE AREA - ASSIGNMENT TAG BOARD

Tag No.

(1)

EOF Coordinator's Assistant

1. Obtain keys for the EOF Emergency Equipment Cabinets from the Training Building Security Desk, and open cabinets.
2. Turn on ERFIS PCs and monitors located at the EOF/RC and obtain current meteorological data by performing the following:
 - a. Depress the "ODPS" key.
 - b. Tab over to the "HISTORICAL METEOROLOGICAL DATA - 1" poke box.
 - c. Depress "Enter" key to access the MH1 display.
3. Open EOF Coordinator's cabinet, remove clipboard, and contact TSC or Control Room. Inform the Tech. Support Coordinator, or in the absence of personnel in the Tech. Support Center, inform Plant Emergency Director of your presence and request the following:
 - a. Summary evaluation of plant conditions. (Take notes)
 - b. Type of release, if release is in progress or expected.
 - c. Directional variability of the wind (i.e., any indication of trending toward new direction?).
 - d. Whether or not the Plant Emergency Director needs assistance in notifying plant management personnel, or other on-site assistance.
4. Direct the activation and staffing of the Emergency Operations Facility until arrival of the EOF Coordinator (SSCA No. 0422). Test additional phones and check radios, etc.
5. Initiate EOF Coordinator's Check List OP 3502, Site Area, Appendix IV on EOF Coordinator's clipboard.
6. Organize equipment, status and mapboards, select the appropriate plume stability angle in accordance with reported meteorological conditions.
7. Upon arrival of EOF Coordinator, advise the EOF Coordinator of the situation and its status (per the check list) and act as the assistant by keeping a log of significant events and other duties as requested.

DI
2000-21

SECTION 1

Procedure No.: OP 3503 Revision No.: 33 DI No.: 2000-22

Title: GENERAL EMERGENCY

Reason for Change: E-PLAN ERFIS TERMINALS (OPCONS) ARE BEING REPLACED BY ERFIS PERSONAL COMPUTERS (PC'S). THIS CHANGE IS NEEDED IN ORDER TO BETTER DESCRIBE THE SLIGHTLY DIFFERENT STEPS NEEDED IN ORDER TO ACCESS THE ERFIS DISPLAYS.

Affected Pages: APP. III PAGE 3 OF 7; APP. III PAGE 7 OF 7; APP. V PAGE 1 OF 5.

DI to be Incorporated; Next Revision OR Cancelled On/By Date _____

Originator: Marc Benoit Signature 11/25/2000 Date

SECTION 2

- 1. Cognizant Dept. Head: AR Cheley Signature 11/27/00 Date
- 2. Concurring Individual (PM, Supt. or designee, DCO): Michael Gessels Signature 11/27/00 Date
- 3. Duty Shift Supervisor: W. M. Kuth Signature 11/27/00 Date
- 4. Duty SCRO: K. Oliver Signature 11/27/00 Date
- 5. Rad. Prot. Mgr. or Plant Health Phys.*: N/A Signature 11/27/00 Date
- 6. EPIP 10CFR50.54 (q) evaluation completed per AP 3532*: David Raczka Signature 11/27/2000 Date

* NOTES

- 1. This instruction becomes effective on the date that a Second Senior Licensed Operator signs above, unless a Radiation Protection procedure is involved, in which case this instruction becomes effective on the date that a Shift Supervisor and the Radiation Protection Manager or the Plant Health Physicist sign above.
- 2. If an EPIP procedure is involved, the instruction becomes effective on the date that the second Senior Licensed Operator signs and a successful 10CFR50.54(q) evaluation is signed off.

In the affected procedure, replace the affected pages with the attached revised pages and file this form in front of Page 1.

SECTION 3

- 1. PORC Review: _____ / _____ / _____
PORC Secretary Signature / Meeting No. / Date
- 2. Plant Manager Approval: _____ / _____
Signature / Date

APPENDIX III (Continued)

Time Initials

NOTE

The Emergency Response Data System (ERDS) must be enabled as soon as possible, but not later than one hour, after the initial declaration of an Alert, Site Area Emergency, or General Emergency.

7. If not previously performed, direct a Vernon Process Computer Engineering staff member to activate the Emergency Response Data System (ERDS) data link with the NRC.

DI
2000-22

NOTE

FTS 2000 phones are stored in the EP Cabinet in the TSC Communications Room.

8. If not performed previously, direct a TSC staff member to plug the FTS 2000 phones into the appropriate wall jacks as identified in Figure 4 of OP 3504.
9. Assign the Operations Support Center Coordinator.
10. The TSC Coordinator or designee initially directs the activities and maintains communications with the Site Boundary and Off-Site Teams until the EOF is operational.
11. Regarding accountability, ensure that the following steps are implemented:
- a. Direct a staff member to perform an initial and continuous accountability check of TSC, OSC, and CR personnel as stipulated in Appendix IX, Personnel Accountability Check.
 - b. Ensure that the names of personnel stationed at the TSC, OSC, and CR are provided to Security as soon as possible.

APPENDIX III (Continued)

Time Initials

13. Announce over the plant paging system any protective actions the states may be implementing as described by the SRM.
- DI
98-435
14. If it is determined that the emergency requires implementation of Severe Accident Management, duties and responsibilities will be assumed per the SAM Guideline.

Final Conditions:

1. Upon termination of the emergency, assist the Site Recovery Manager with the verbal close-out and preparation of a written report, if required, to off-site authorities. _____
2. Ensure that the Vernon, Brattleboro, and Bolton telephone systems have been returned to their routine operation mode. _____
- DI
2000-22
3. Ensure that the Vernon Process Computer Engineering staff has shut off the ERDS data link with the NRC. _____

APPENDIX V
GENERAL - ASSIGNMENT TAG BOARD

Tag No.

(1)

EOF Coordinator's Assistant

1. Obtain keys for the EOF Emergency Equipment Cabinets from the Training Building Security Desk, and open cabinets.
2. Turn on ERFIS PCs and monitors located at the EOF/RC and obtain current meteorological data by performing the following:
 - a. Depress the "ODPS" key.
 - b. Tab over to the "HISTORICAL METEOROLOGICAL DATA - 1" poke box.
 - c. Depress "Enter" key to access the MH1 display.
3. Open EOF Coordinator's cabinet, remove clipboard, and contact TSC or Control Room. Inform the Tech. Support Coordinator, or in the absence of personnel in the Tech. Support Center, inform Plant Emergency Director of your presence and request the following:
 - a. Summary evaluation of plant conditions. (Take notes)
 - b. Type of release, if release is in progress or expected.
 - c. Directional variability of the wind (i.e., any indication of trending toward new direction?).
 - d. Whether or not the Plant Emergency Director needs assistance in notifying plant management personnel, or other on-site assistance.
4. Direct the activation and staffing of the Emergency Operations Facility until arrival of the EOF Coordinator (SSCA No. 0422). Test additional phones and check radios, etc.
5. Initiate EOF Coordinator's Check List OP 3503, General, Appendix IV on EOF Coordinator's clipboard.
6. Organize equipment, status and mapboards, select the appropriate plume stability angle in accordance with reported meteorological conditions.
7. Upon arrival of EOF Coordinator, advise the EOF Coordinator of the situation and its status (per the check list) and act as the assistant by keeping a log of significant events and other duties as requested.

DI.
2000-22

SECTION 1

Procedure No.: OP 3504 Revision No.: 31 DI No.: 2000-23

Title: EMERGENCY COMMUNICATIONS

Reason for Change: E-PLAN ERFIS TERMINALS (OPCONS) ARE BEING REPLACED BY ERFIS PERSONAL COMPUTERS (PC'S). THIS CHANGE IS NEEDED TO BETTER DESCRIBE THE SLIGHTLY DIFFERENT STEPS NEEDED IN ORDER TO ACCESS THE ERFIS DISPLAYS.

Affected Pages: PAGE 18 OF 27 ; PAGE 25 OF 27.

DI to be Incorporated: Next Revision [] OR Cancelled [] On/By Date _____

Originator: Marc Benoit Signature 1/1-24-2000 Date

SECTION 2

- 1. Cognizant Dept. Head: AR Chesley Signature 1/1/27/00 Date
- 2. Concurring Individual (PM, Supt. or designee, DCO): Michael K... .. Signature 1/1/27/00 Date
- 3. Duty Shift Supervisor: Tom K... .. Signature 1/1/27/00 Date
- 4. Duty SCRO: W... .. Signature 1/1/27/00 Date
- 5. Rad. Prot. Mgr. or Plant Health Phys.*: N/A Signature 1/1/27/00 Date
- 6. EPIP 10CFR50.54(q) evaluation completed per AP 3532*: Donell... .. Signature 1/1/27/2000 Date

* NOTES

- 1. This instruction becomes effective on the date that a Second Senior Licensed Operator signs above, unless a Radiation Protection procedure is involved, in which case this instruction becomes effective on the date that a Shift Supervisor and the Radiation Protection Manager or the Plant Health Physicist sign above.
- 2. If an EPIP procedure is involved, the instruction becomes effective on the date that the second Senior Licensed Operator signs and a successful 10CFR50.54(q) evaluation is signed off.

In the affected procedure, replace the affected pages with the attached revised pages and file this form in front of Page 1.

SECTION 3

- 1. PORC Review: _____ / _____ / _____
PORC Secretary Signature / Meeting No. / Date
- 2. Plant Manager Approval: _____ / _____
Signature / Date

H. Plant Parameter Form

1. Description

A current display of data specified on VYOPF 3504.02 can be obtained through ERFIS by using one of the following methods:

Method 1 - ERFIS PC Monitor

- a. Depress the "GRP DISP" key. This will activate the UDG display.
- b. Tab down the list to "TSC/EOF" by using the "Tab" key.
- c. Depress "Enter" key to access form.

Method 2 - ERFIS Backup Information System on CVAX

- a. Log on the CVAX.
- b. At the \$ prompt, type SET HOST ERFIS <RETURN>.
- c. At the Username prompt, type EPLAN <RETURN>.
- d. Select Option 3 to display ERFIS VYOPF 3504.02 data.
- e. Follow on-screen instructions to exit the EPLAN account.

If ERFIS is not operational, the TSC Coordinator or designee obtains and records specified information on VYOPF 3504.02, and communicates plant parameter data to the EOF/RC and ESC via the facsimile machines (see Section I).

I. Facsimile

1. Description

The facsimile machines provide the capability to transmit and receive documents. The facsimile machines can automatically answer an incoming call, print out the received copies and return the unit to standby. No operator assistance is required.

Facsimile machine locations for the TSC, OSC, and EOF/RC are shown in Figures 4, 5, and 6, respectively.

J. Dedicated Gai-Tronics

1. Description

At the plant during an Unusual Event, Alert, Site Area, or General Emergency, Channel 4 of Gai-Tronics is reserved for use by the following three parties:

- Control Room,
- Technical Support Center, and
- Operations Support Center.

- b. Obtain and enter wind speed and wind direction above by using one of the following methods:

Method 1 - ERFIS Backup Information System on CVAX

- 1) Log on the CVAX.
- 2) At the \$ prompt, type SET HOST ERFIS <RETURN>.
- 3) At the Username prompt, type EPLAN <RETURN>.
- 4) Select Option 1 to display ERFIS BIS Main Menu.
- 5) Select Option 3a to display Primary Met Tower Data.
- 6) Record wind speed and direction from the UPPER data displayed in the first column.
- 7) To exit screen, press any key and then follow instructions to log off ERFIS BIS.

Method 2 - MET Data History 1 on ERFIS PC Monitor

- 1) Depress the "ODPS" key.
- 2) Tab over to the "HISTORICAL METEOROLOGICAL DATA - 1" poke box.
- 3) Depress "Enter" key to access the MH1 display.
- 4) Record wind speed and direction from the UPPER data displayed in the second row.

NOTE

NWS Public Forecaster will provide information using meteorological data from area reporting stations in the Connecticut River Valley.

Method 3 - Albany National Weather Service (NWS)

- 1) Contact the Albany NWS at 9-1-800-833-9880 (primary) or 9-1-518-435-9574 (backup).
- 2) Ask for NWS Public Forecaster and request available meteorological conditions regarding wind speed and wind direction for the Vermont Yankee plant site in Vernon, Vermont.

- c. Use the prepared message and make States notification as follows:

- 1) Contact each State using appropriate commercial telephone numbers listed below:

VT STATE POLICE: 9-1-802-244-8727

NH STATE POLICE: 9-1-603-271-3636

MA STATE POLICE: 9-1-413-586-3166

- 2) After transmittal of message, ensure that all appropriate information is recorded.
- 3) Monitor and receive expected commercial telephone verification of emergency declaration from State authorities.

DI 2000-23

DI
2000-23

SECTION 1

Procedure No.: OP 3513 Revision No.: 20 DI No.: 2000-24

Title: EVALUATION OF OFF-SITE RADIOLOGICAL CONDITIONS

Reason for Change: E-PLAN ERFIS TERMINALS (OPCONS) ARE BEING REPLACED BY ERFIS PERSONAL COMPUTERS (P.C.'S). THIS CHANGE IS NEEDED IN ORDER TO BETTER DESCRIBE THE SLIGHTLY DIFFERENT STEPS NEEDED IN ORDER TO ACCESS THE ERFIS DISPLAYS.

Affected Pages: APP G, pps. 1, 2, 3, 4 OF 4; APP H, pps. 1, 2 OF 2; APP I, PAGE 1 OF 2.

DI to be Incorporated: Next Revision OR Cancelled On/By Date _____

Originator: Man. Benoit Signature 11-26-2000 Date

SECTION 2

- 1. Cognizant Dept. Head: AP Cheley Signature 11/27/00 Date
- 2. Concurring Individual (PM, Supt. or designee, DCO): Michael Heslop Signature 11/27/00 Date
- 3. Duty Shift Supervisor: [Signature] Signature 11/27/00 Date
- 4. Duty SCRO: [Signature] Signature 11/27/00 Date
- 5. Rad. Prot. Mgr. or Plant Health Phys.*: N/A Signature N/A Date
- 6. EPIP 10CFR50.54(q) evaluation completed per AP 3532*: Louie. Rasmussen Signature 11/27/2000 Date

* NOTES

- 1. This instruction becomes effective on the date that a Second Senior Licensed Operator signs above, unless a Radiation Protection procedure is involved, in which case this instruction becomes effective on the date that a Shift Supervisor and the Radiation Protection Manager or the Plant Health Physicist sign above.
- 2. If an EPIP procedure is involved, the instruction becomes effective on the date that the second Senior Licensed Operator signs and a successful 10CFR50.54(q) evaluation is signed off.

In the affected procedure, replace the affected pages with the attached revised pages and file this form in front of Page 1.

SECTION 3

- 1. PORC Review: _____ / _____ / _____
PORC Secretary Signature / Meeting No. / Date
- 2. Plant Manager Approval: _____ / _____
Signature / Date

APPENDIX G

OFF-SITE DOSE PROJECTION SYSTEM (ODPS) INPUT SEQUENCE AND FORMAT

1. Obtain the necessary off-site dose projection information for stack and ground release as follows:

a. **IF A STACK RELEASE IS OCCURRING:**

NOTE

Meteorological and source term data are automatically input to model.
Manual input of data is not necessary.

- 1) Press the "ODPS" ERFIS terminal key to access the "ODPS Menu" screen.
- 2) Click on the "SOURCE TERM DATA" box to display screen.

NOTE

ERFIS Printer must be on-line now.

- 3) Click on the PRINTER icon to obtain record of stack release projection information (Reactor Trip Status and Stack).
- 4) Press the "ODPS" ERFIS terminal key to return to the "ODPS Menu" screen.
- 5) Click on the "PROTECTIVE ACTION RECOMMENDATIONS LIVE STACK MR/HR" box to display screen.
- 6) If ODPS aborts due to bad input (as indicated on screen display), refer to Appendix G - Table G.1.
- 7) When "PROTECTIVE ACTION RECOMMENDATION" screen is displayed, click on the PRINTER icon to obtain stack release off-site dose projection information.
- 8) Press the "ODPS" ERFIS terminal key to return to the "ODPS Menu" screen.
- 9) If no ground release is occurring, skip Appendix G, Step 1.b for ground release and then continue with Appendix G, Step 2.

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2000-24



APPENDIX G (Continued)

b. IF A GROUND RELEASE IS OCCURRING:

NOTE

Meteorological data are automatically input to model. Manual input of meteorological data is not necessary.

- DI
2000-24
1. Press the "ODPS" ERFIS terminal key to access the "ODPS Menu" screen.
 2. Click on the "INPUT SITE BOUNDARY MR/HR (UNMONITORED)" box which will display the password entry screen.
 3. Leave the User Name entry field blank then type the password currently designated for Control Room use and click on OK.
 4. Enter the appropriate site boundary dose rate (MR/HR) reading from the Security Site Boundary Team (team dispatched per OP 3510) in field space provided.

NOTE

This reading is assumed to be taken in the downwind sector at a distance of 0.35 miles.

- DI
2000-24
5. Next, enter the estimated time that the release started in field spaces provided (Format in HH and MM).

NOTE

ERFIS Printer must be on-line now.

- DI
2000-24
6. Click on the PRINTER icon to obtain record of input data.
 7. Press the "Enter" button on the display to update the input data.
 8. When "ODPS MENU" screen is displayed, click on "PROTECTIVE ACTION RECOMMENDATIONS BOUNDARY MR/HR" box to display screen.
 9. If ODPS aborts due to bad input (as indicated on screen display), refer to Appendix G - Table G.1.

APPENDIX G (Continued)

DI
2000-24

10. When "PROTECTIVE ACTION RECOMMENDATIONS" screen is displayed, click on the PRINTER icon to obtain ground release off-site dose projection information.

NOTE

"ADULT THY" values are not calculated for a ground release.

11. Press the "ODPS" ERFIS terminal key to return to the "ODPS Menu" screen.
 12. Continue with Appendix G, Step 2 below.
2. Use printed screen information from above to do the following:
- a. If multiple release points exist (stack and ground), then analyze information using Appendix J, "Multiple Release Assessment."
 - b. If only one release point exists (stack or ground), then continue with the following actions:
 - 1) Implement OP 3511 Section II, Step A.2 to formulate Protective Action Recommendations for State authorities.
 - 2) Review AP 3125 to determine whether site boundary radiological dose EALs have been reached or exceeded.
 - 3) Forward results to SS/PED and TSC Coordinator.

TABLE G.1

If ODPS aborts due to bad input (as indicated by screen display), do the following:

1. Press the "CAV" key which will bring up the password entry screen.
2. Leave the User Name entry field blank.
3. Type the password currently designated for Control Room use and click on OK.
4. Use the "Tab" key to tab to the PTID input field, then press the "Enter" key.
5. Type the PTID (See below) of the point to be overridden into the Point Search Text field.

Release Type	PTID	Description
Stack	U014	Stack Gas III Monitor High Range
	C198	Average Stack Flow FT-108-22
	C179	Upper Wind Speed (15 min. ave.)
	C187	Upper Wind Direction (15 min. ave.)
	C181	Upper Delta T (15 min. ave.)
	C192	Precipitation (15 min. total)
Ground	C178	Lower Wind Speed (15 min. ave.)
	C186	Lower Wind Direction (15 min. ave.)
	C180	Lower Delta T (15 min. ave.)
	C192	Precipitation (15 min. total)

6. Click on "FIND/FIND NEXT" until the point is found, then click on OK.
7. Use the "Tab" key to tab to the SCAN STATUS toggle field.
8. Press the "ENTER" key to toggle from ACTIVE to INACTIVE.
9. Use the "Tab" key to tab to the VALUE input field.
10. Type in the override value to be used and press the "ENTER" key.
 - a. To manually access back-up meteorological data, refer to Appendix I, Step 2.
 - b. To manually access back-up source term data, refer to Appendix H, Step 5.
11. Press the "ODPS" key, go back to Appendix G, Step 1.

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APPENDIX H

MANUAL SOURCE TERM DATA ACQUISITION

To determine the source term data for dose assessment, perform the following steps and record applicable data (refer to VYOPF 3513.01):

1. Obtain and record the time and date of reactor shutdown.
2. Determine and record the type of release(s) (i.e., stack, ground, or combination).
3. Determine and record the time and date of the identified release(s).
4. Determine and record the release duration of the identified release(s).

NOTE

Unless a more definitive number is available for release duration, a value of 8 hours duration will be used.

5. Obtain and record release pathway monitoring data as delineated below:
 - a. FOR ELEVATED RELEASE (stack)

NOTE

The stack high range monitor is a Victoreen ion chamber which measures the radiation in the base of the stack. The monitor has a readout in the Control Room on CRP 9-2 with a range from 0.1 mR/hr to 1×10^7 mR/hr.

CAUTION

USE INSTANTANEOUS READING, NOT THE 15 MINUTE AVERAGE.

- 1) Stack High Range Monitoring Reading (mR/hr) from one of the following:
 - a) Control Room Panel (RM 17-155 on CRP 9-2), or
 - b) MET DATA HISTORY-1 display on ERFIS monitor (depress "ODPS" key then select MH1 poke box).

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APPENDIX H (Continued)

- 2) Stack Flow Rate (scfm) from one of the following:
- a) Control Room panel (FI-108-22 on CRP 9-2), or
 - b) Local readout in the stack monitoring room, or
 - c) ERFIS Data Point C198 (15-minute average), or
 - d) MET DATA HISTORY-1 display on ERFIS monitor (depress "ODPS" key then select MH1 poke box), or
 - e) OP 2611, Section entitled, "Determine Stack Flow Rate".

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b. FOR GROUND RELEASE

- 1) Site boundary whole body dose rate (mR/hr) at the fence line downwind location.
6. If the Stack High Range Monitor equals or exceeds 20 mR/hr, request the Chemistry Technician to obtain a silver zeolite cartridge air sample from the main stack sample point for an iodine release rate determination.
7. If available, obtain and utilize stack sample analysis or field data monitoring information. Record isotopic information on VYOPF 3513.02 and field data on VYOPF 3513.03.

APPENDIX I

MANUAL METEOROLOGICAL DATA ACQUISITION

To determine the meteorological data for dose assessment, obtain and record applicable information as delineated below:

NOTE

FOR ELEVATED RELEASE (stack), ensure that upper meteorological values are obtained and utilized.

FOR GROUND RELEASE, ensure that the lower meteorological values are obtained and utilized.

CAUTION

USE 15 MINUTE AVERAGE MET DATA, NOT THE INSTANTANEOUS DATA.

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1. Access MET DATA HISTORY-1 display on ERFIS monitor by depressing the "ODPS" key and then selecting the MH1 poke box.
 2. If the primary meteorological tower instrumentation is not functioning, but ERFIS is operable, obtain meteorological data from the secondary tower. Access MET DATA HISTORY-2 display on the ERFIS monitor by depressing the "ODPS" key and then selecting the MH2 poke box.
 3. If the primary meteorological tower instrumentation is functioning, but the MET DATA HISTORY-1 display on the ERFIS monitor is not available, determine the required meteorological data from the video graphic recorders in the Relay House.
 4. If the primary meteorological tower instrumentation is not functioning, and the MET DATA HISTORY-1 and MET DATA HISTORY-2 displays on the ERFIS monitor are not available, obtain readouts of wind speed, wind direction, ambient temperature, and one value of delta T from the secondary (backup) tower from CRP 9-48.
 5. If primary and secondary meteorological tower instrumentation is not available, consult Albany National Weather Service Station (Tel. No.'s 800-833-9880 [Primary] or 518-435-9574 [Backup], and ask for "Public Forecaster") regarding meteorological observations.