OMAHA PUBLIC POWER DISTRICT CONFIRMATION OF TRANSMITTAL EMERGENCY PLAN IMPLEMENTING PROCEDURES (EPIP)

Name		Date February 1	7, 1986
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The following pro	ocedures are provided	for your use:	
Remove Procedure No.	Page Nos.(s)	Insert Procedure No.	Page No.(s)
Table of Contents	xii (6/21/85)	Table of Contents	xii (1/31/86)
EOF-7	7-1 thru 7-3 (9/27/85)	EOF-7	7-1 thru 7-5 (1/7/85)
PI-1	1-1 thru 1-54 (10/11/84)	PI-1	1-1 thru 1-37 (1/22/86)
		Add Procedure TSC-8	8-1 thru 8-12 (7/9/85)
NOTE: Procedur	e PI-1 contains propr	ietary information.	
additional or re	vised pages have been	ove copy or numbered p included in my assigne en removed as required	d copy of the
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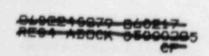
VOLUME III

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5. PUBLIC INFORMATION

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EPIP-PI-1	PUBLIC INFORMATION (Crisis Communication Plan)	R4 1-22-86

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Fort Calhoun Station Unit No. 1 EMERGENCY PLAN IMPLEMENTING PROCEDURE EPIP-EOF-7

Protective Action Guidelines

I. PURPOSE

This procedure provides a method of providing protective action guidance to the appropriate state and local authorities.

II. PREREQUISITE

- A. The emergency has been classified per Procedure EPIP-OSC-1.
- B. The emergency plan has been activated per Procedure EPIP-OSC-2.
- C. Radiological measurements and dose assessments have been performed per Procedures EPIP-EOF-6 or EPIP-EOF-8 as appropriate.

III. PRECAUTIONS

- A. Guidance must be consistent with Federal and State recommendations.
- B. All guidance provided will be approved by one of the following: Site Director, Recovery Manager, Emergency Coordinator or H.P. Chemistry Supervisor before submittal to state and local authorities.

IV. PROCEDURES

- Collect radiological release data from dose assessment personnel.
- Record summary information for initial notification to offsite government agencies on Attachment 1, to EPIP-OSC-2 and for update reports complete FC-195 "Update Report to Offsite Authorities" in Attachment 2 to EPIP-OSC-2.
- a. Determine recommended protective action to reduce whole body and thyroid dose using Table EOF-7.1. (Note: This table was taken from the Manual of Protective Action Guides and Protective Actions for Nuclear Incidents, EPA 520/1-75-001, revised June 1980.)
 - b. For general emergency classifications refer to EPIP-OSC-1, Figure 1.2 for protective action guidelines.
- 4. Brief the Site Director or Recovery Manager of emergency status and guidance to be offered state and local authorities.

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IV. PROCEDURES (Continued)

- 5. Either the TSC or the EOF personnel will contact the State EOC's, the Nebraska Field Command Post and Iowa Forward Operating Location at Logan, IA on the H.P. conference network for radiological evaluations and discussions including appropriate protective action guidance.
- 6. If state authorities cannot be contacted (Step 5, above), notify the radiologically affected county EOC(s) directly by utilizing the Conference Operation's Network and provide guidance for protective action.
- Control emergency worker protective actions as established in EPIP-OSC-7 for exposure limits and EPIP-EOF-11 for dosimetry requirements.

TABLE EOF-7.1

Recommended Protective Actions to Reduce Whole Body and Thyroid Dose from Exposure to a Gaseous Plume

Projected Dos The Popul		Recommended Actions (a)	Comments
Whole body	4	No planned protective actions. (b) State may issue an advisory to seek shelter and await further instructions.	Previously recommended protective actions may be reconsidered or terminated.
Thyroid	<5	Monitor environmental radiation levels.	
Whole body	1 to <5	Seek shelter as a minimum. Consider evacuation. Evacuate unless constraints make it impractical.	If constraints exist, special consideration should be given for evacuation of children
Thyroid	5 to <25	Monitor environmental radiation levels. Control access.	and pregnant women.
Whole body	5 and above	Conduct mandatory evacuation. Monitor envir- onmental radiation levels and adjust area for	Seeking shelter would be an alternative if evacuation
Thyroid	25 and above	mandatory evacuation based on these levels. Control access.	were not immediately possible.
Projected Dose Emergency Team			
Whole body	25	Control exposure of emergency team members to these levels except for lifesaving missions. (Appropriate controls for	Although respirators and stable iodine should be used where effective to control dose to emergen
Thyroid	125	emergency workers, include time limitations, respirators, and stable iodine.)	team workers, thyroid dose may not be a limiting factor for lifesaving missions.
Whole body	75	Control exposure of emergency team members performing lifesaving missions to this level. (Control of time of exposure will be most effective.)	

ta) These actions are recommended for planning purposes. Protective action decisions at the time of the incident must take existing conditions into consideration.

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⁽b) At the time of the incident, officials may implement low-impact protective actions in keeping with the principle of maintaining radiation exposures as low as reasonably achievable.

ATTACHMENT 1

UPDATE REPORT NO. TO OFFSITE GOVERNMENT

	at the
1.	This is (Name) at the
	Fort Calhoun Station. Telephone call-back number is Time is
2.	() Alert/ () Site Area () General Emergency was declared at
	(date)
3.	()Airborne/ () Liquid/ () No release of radioactive material occurred.
	N/A To Any of the Following Entries Indicates the Section is Not Applicable or Not Available
4.	Estimated duration of this release is minutes.
	Current release rates are Ci/sec. of noble gas, Ci/sec.
	of iodine, andCi/sec. of particulates.
6.	Estimated quantity is Ci of noble gas, Ci of iodine,
	Ci of particulate, and Ci of liquid released from
	, height: ft. Chemical and physical forms of
	this material are
	ALGORITHM AND THE STATE OF THE
	Wind speed is MPH; wind direction from*; atmospheric
1.	
	stability category
8.	Site boundary exposures are:
	Acutal/projected dose rate: whole body Rem/hr., thyroid Rem/hr.
	Actual/projected integrated dose: whole bodyRem, thyroidRem.
9.	Projected peak dose rates are estimated as follows:
	At 2 miles (Sectors) whole body Rem/hr., thyroid Rem/hr.
	At 5 miles (Sectors) whole body Rem/hr., thyroid Rem/hr.
	At 10 miles (Sectors) whole body Rem/hr., thyroid Rem/hr.
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ATTACHMENT 1 (Continued)

10.	Projected peak dose rates are estimated as follows:
	At 2 miles (Sectors) whole body Rem/hr., thyroid Rem/hr.
	At 5 miles (Sectors) whole body Rem/hr., thyroid Rem/hr.
	At 10 miles (Sectors) whole body Rem/hr., thyroid Rem/hr.
11.	Surface contamination is () Estimated/ () Measured as:
	Inplant:; Onsite:; Offsite microcuries/100 cm ²
12.	The following site emergency response actions are underway:
	() Environmental Sampling () Radiation Monitor Surveys
	() Other:
13.	The following protective measures should be considered for persons living in
	sectors as delineated in the State of Nebraska/Iowa Emergency
	Response Plans for Nuclear Power Plant Incidents:
	() Shelter (Inhouse) for miles
	() Evacuation - pregnant women and pre-school children for miles
	() Evacuation - general public for miles
14.	We () Have requested/ () Are Requesting the following offsite assistance:
	() Fire, () Rescue, () Police, () Other (specify)
15.	Our prognosis of the emergency based on plant information is:
	() Conditions are stable.
	() The plant status is improved.
	() The emergency condition may be relaxed or terminated within hours.
	() Progress is <u>not</u> favorable.
16.	This report was received by:
	(name) (agency) (time) (date)
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Fort Calhoun Station Unit No. 1 Emergency Plan Implementing Procedure EPIP-PI-1

PUBLIC INFORMATION (Crisis Communication Plan)

Method to provide for timely and accurate release of information to the public during an emergency condition.

I. PURPOSE

This procedure provides guidance to the Division Manager - Public Relations and his staff for disseminating information to the public.

II. PREREQUISITE

- A. Pre-arranged message formats are available.
- Public information personnel are cognizant of Fort Calhoun Station operation and contents of this public information plan.

III. PRECAUTIONS

- A. Information forwarded from the EOF News Center must be reviewed and approved by the Emergency Duty Officer, the Recovery Manager, or their designee.
- B. The release of news information should be coordinated with state, federal, and local public information directors.

IV. PROCEDURE

Public Information procedures are contained in the attached Crisis Communication Plan.

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I. STATEMENT OF POLICY

Omaha Public Power District has a policy of full disclosure and will provide the public with accurate, prompt, and significant information, either written or spoken, concerning any emergency at Fort Calhoun Station.

In the implementation of this policy, the District will communicate with the public via telephone, radio, newspaper, television and written correspondence; with its employees by means of telephone and/or in-house publications; and with the news media by means of written materials, briefings, telecasts, radio broadcasts, lectures, conferences, and telephone.

Omaha Public Power District is responsible for supplying the public with accurate and timely information on the status of the plant. Recommendations or directives to the public for protective actions, including evacuation, are the responsibilities of county and state officials. To ensure an accurate and consistent information flow, the District will coordinate release of all information with the responsible state and local officials. If the emergency warrants, the District will utilize the Omaha-Douglas Emergency Operations Center located in the Omaha-Douglas Civic Center, 18th and Farnam Streets, as a Media Release Center.

To ensure advance public understanding of emergency procedures, the District will cooperate with state and local authorities in an annual public information and education program.

II. CLASSIFICATION OF EMERGENCIES

The Nuclear Regulatory Commission lists four classifications of emergencies. In summary, the classifications are:

Notification of Unusual Event

Events are in progress or have occurred which indicate a potential degradation of the level of safety of the plant. The nature of these events may be of concern, but is below the threshold for emergencies which require immediate notification of the news media.

2. Alert

Events have occurred or are in progress which involve actual or potential substantial degradation of the level of plant safety.

3. Site Area Emergency

Events have occurred or are in progress which involve actual or likely major failures of plant functions needed for the protection of the public.

General Emergency

Events have occurred or are in progress which involve actual or imminent substantial core degradation with potential for loss of containment integrity.

The Plant Manager, Fort Calhoun Station, or his designee, will notify the Division Manager - Corporate Communications, or his designee, of any emergency at the nuclear plant. The Division Manager - Corporate Communications, or his designee, will then initiate implementation of this Crisis Communications Plan.

PROCEDURES

Upon notification that an emergency condition exists at Fort Calhoun Station, Corporate Compunications personnel will take appropriate action in accordance with the incident classification as follows:

A. Notification of Unusual Event

Information Specialist

- a. Upon notification of an unusual event, report to North (maha Emergency Operating Facility (EOF).
- b. Establish communications with plant management and gather information pertaining to the incident.
- c. Relay information to Division Manager Corporate
 Communications or his designee in the Division Information
 Office as it develops, updating regularly.
- d. Assist with news release preparation and/or media notification if so directed.

Division Manager - Corporate Communications

- a. Establish communications with Information Specialist at EQF.
- b. Evaluate information in accordance with Appendix H and determine whether either immediate media notification or news release at closeout is warranted.
- c. Keep Senior Management informed.

B. Alert

Division Manager - Corporate Communications

- Establish communications with Information Specialist at EOF.
- b. Ensure Division Information Office is staffed to handle media inquiries.
- c. Determine whether immediate media notification is warranted.
- d. Prepare for additional duties in the event incident escalates and it is necessary to activate the Media Release Center. Keep Senior Management informed.

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- e. Place the following personnel on standby for possible activation of the Media Release Center. Activation of Media Release Center is optional at the Alert Level. Activation is mandatory at Site Area or General Emergency Level.
 - (1) Omaha-Douglas Civil Defanse Coordinator
 - (2) Technical Liaisons assigned to Media Release Center
 - (3) State of Nebraska Public Information Officer
 - (4) State of Iowa Public Information Officer
 - (5) Washington County Public Information Officer
 - (6) Harrison County Public Information Officer
 - (7) Pottawattamie County Public Information Officer
 - (8) OPPD Security Officer.

Names and telephone numbers for the above are listed in Appendix A.

- f. If MRC is activated at Alert Level, follow procedures established in Section C for Site Area and General emergencies (See Page 6).
- g. Supervise preparation of close-out news release within 24 hours after the Alert is terminated.

C. 2. Information Specialist

- a. Proceed to EOF if not waread ac emergency station.
- Establish communications with Division Information Office and with Division Manager - Corporate Communications.
- c. Relay information on plant status to Division Information Office as required, and at least hourly, until emergency is terminated or until Media Release Center is activated.
- d. Provide news release material as directed.
- e. Assist with preparation of close-out news release within 24 hours following termination of the emergency.

3. Technical Liaison at EOF

- a. Proceed to near-site EOF and report to Emergency Duty Officer or Recovery Manager, as appropriate.
- b. Monitor status of emergency and assist Information Specialist in collecting and interpreting nuclear-related data.

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C. Site Area Emergency

and

General Emergency

Division Manager - Corporate Communications

- a. Dispatch Information Specialist to near-site Emergency Operating Facility (EOF) unless he is already there.
- b. Activate Media Release Center (MRC) by notifying Omaha-Douglas Civil Defense Director. Activation of MRC is mandatory at this stage if it has not already been activated.
- c. Assume role as Media Release Center Director and staff and equip center as appropriate. (See Appendix C for staff positions and Appendix D for required equipment.)
- d. Establish communications with Information Specialist at near-site EOF.
- e. Notify the Recovery Manager at the EOF when Media Release Center is activated and serviceable. Also notify local news media (Appendix E), and state and local public information officers listed in Appendix A.
- f. Assume duties as official designated spokesman for the District. Coordinate the timely exchange and release of information with federal, state, and local response organizations.
- Notify OPPD switchboard that an emergency situation exists at Fort Calhoun Station and provide operators with a telephone number for rumor control. (During drills and exercises, make sure it's understood no actual emergency exists.)
- h. Schedule news briefings and/or news conferences and technical briefings as appropriate and in cooperation with other response agencies.
- Supervise distribution of plant status reports to Rumor Control, Nebraska and Iowa Public Information Officers, and local Public Information Officers.
- Supervise preparation of written news releases and serve as final release authority.
- k. Supervise preparation of voice tapes for media use and serve as final release authority.

- 1. Ensure District participation in rumor control efforts.
- m. Ensure that briefings and news conferences are recorded and available for transcription. Serve as final release authority.
- n. Schedule relief personnel as required.
- Keep Senior Management updated on public information developments.
- p. Update by telephone, local governmental officials who are not directly connected with emergency response, but who are apt to field media queries. (See Appendix B for list.)

3. Information Specialist at EOF

- a. Proceed to near-site Emergency Operation Facility (EOF) and report to Emergency Duty Officer or Recovery Manager, as appropriate.
- b. Establish communications with both the Division Information Office and with Media Release Center.
- c. Establish communications with state and local information offices (See Appendix A for names and numbers). Maintain communications until Media Release Center is functioning, using established message forms contained in Appendix G as much as possible.
- d. Coordinate activities with state and federal information officers when they arrive at the EOF and ensure that they receive prompt and accurate plant information.
- e. Gather plant information as it becomes available and evaluate its significance in conjunction with the assigned Technical Liaison. Follow applicable procedures outlined in Appendix F.
- f. Verify technical accuracy and transmit significant plant information to Media Release Center for final review and release to the news media.
- g. Serve as plant status information source for rumor control center.
- h. Maintain written or taped log of significant reporting activities.

3. Technical Liaison at EOF

- a. Proceed to near-site EOF and report to Emergency Duty Officer or Recovery Manager, as appropriate.
- b. Monitor status of emergency and assist Information Specialist in collecting and interpreting nuclear-related data.
- c. Review release material for technical accuracy before it is transmitted to Media Release Center.
- d. Serve as EOF contact for Technical Liaison at Media Release Center.
- e. Assist Information Specialist in providing prompt and accurate plant information to federal, state and local public information personnel.
- Serve as a plant status information source for rumor control center.
- g. Maintain log, taped or written, of significant reporting activities. This should be coordinated with Information Specialist.

4. Information Specialist at MRC

- a. Proceed immediately to Division information Office.
- b. Proceed to Media Release Center when activated.
- c. Relay plant status reports as received to Media Release Center Director.
- d. Prepare written news releases in accordance with procedures contained in Appendix F.
- e. Prepare voice tapes for radio use in accordance with procedures contained in Appendix F.
- Assist with news conferences and briefings as directed by Media Release Center Director.
- g. Make arrangements for taping telecasts concerning the emergency. Call (System Operations) with recording requests.

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5. Technical Liaison at MRC

- a. Proceed to Media Release Center and report to Media Release Center Director.
- b. Assist District's designated spokesman in the interpretation and evaluation of nuclear-related information.
- c. Assist Media Release Center Director and Information Specialists in checking releases for technical accuracy.
- d. Maintain communications with Technical Liaison at the Emergency Operating Facility.
- e. Participate in technical briefings for media as directed.
- f. Serve as a technical information source for rumor control center.

6. Public Information and Rumor Control Supervisor

- a. Proceed to Media Release Center and report to Media Release Center Director.
- b. Set up and staff rumor control telephone center. Coordinate activities with state and local information officers.
- c. Provide rumor control center phone numbers to the MRC Director and Information Specialist who will release them to news services (AP and UPI) and also to the OPPD switchboard and to the OPPD office in Blair.
- d. Distribute periodic employee information bulletins and news releases as directed by Media Release Center Director. Follow procedures outlined in Appendix J.
- e. Assist the Media Release Center Director in keeping key public officials informed of plant developments.

7. Public Information Specialist - Rumor Cuntrol

- a. Proceed to Media Release Center and report to Supervisor.
- b. Man telephones and provide prompt and accurate information to citizen callers utilizing information released to you by Media Release Center Director. The Media Release Center Director and Technical Liaison are your information sources.
- c. Report all unusual or new rumors to Rumor Control Supervisor including caller's information source, if possible to obtain.
- d. Record all calls using forms provided.
- e. Assist with preparation and distribution of employee information bulletins as required, following procedures outlined in Appendix J.

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8. Clerical Supervisor

- a. Proceed to Media Release Center and report to Media Release Center Director.
- Set up clerical center and supervise staffing and equipping.
- c. Arrange for recording official news briefings and news conferences. At the direction of Media Release Center Director, arrange for transcribing and distribution of this information.
- d. Supervise final reproduction and distribution of written news releases and employee information bulletins.
- e. Maintain a complete file, including time and date, of all information processed through the clerical center.
- f. Assign clerical help to assist Media Release Center Director and designated spokesman as required.

IV. CREDENTIALS

District employees will need only their regular District Employee Identification cards for access to the Media Release Center.

Members of the media will be admitted on the basis of credentials issued by recognized authority, such as the City of Omaha Public Safety Department, or by their employers, subject to check by OPPD security personnel.

V. PERIODIC PUBLIC INFORMATION AND EDUCATION

OPPD disseminates information to the public on an annual basis as to how they will be notified and what their actions should be in the event of an emergency at the Fort Calhoun Station.

This informational material is made available in written form and is updated as necessary. Specific recipients include the permanent adult population within the plume exposure Emergency Planning Zone for Fort Calhoun Station, hereafter referred to as the "10-mile EPZ." (The 10-mile EPZ includes parts of Washington and Douglas Counties in Nebraska, and parts of Harrison and Pottawattamie Counties in Iowa.) Provision has also been made to make this emergency information available to the transient population within the 10-mile EPZ.

A. Implementation

- A computer program has been developed to identify permanent residences by names and addresses within the ten-mile EPZ. This program is the basis for information mailings and is updated annually.
- A brochure has been developed and is distributed annually. This brochure includes specific information on the following:
 - Radiation (educational information);
 - b. Contact points for additional information;
 - Evacuation routes and relocation centers;
 - d. Sheltering;
 - e. Respiratory protection;
 - f. Radioprotective drugs; and
 - g. Special needs of the handicapped in emergency situations.
 - h. 10-mile EPZ map
 - Map showing evacuation routes and location of relocation centers.

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3. Provision of emergency information to the transient population is accomplished through placement of a supply of brochures in hotel and motel offices, as well as maintaining a supply of materials in all government buildings, service stations, marinas, and major recreational areas, within the 10-mile EPZ.

In addition, posters have been developed to disseminate appropriate emergency information to any transient population within the 10-mile EPZ. Such notices refer the transient to more specific information sources and guide the visitor to appropriate radio and television frequencies for specific emergency information.

4. All information and materials have been coordinated with Nebraska and Iowa authorities, and all such materials are reviewed and updated annually.

VI. PERIODIC MEDIA EDUCATION AND INFORMATION

oppo conducts an annual program or series of programs to acquaint local news media with its emergency plan, with emergency plans of other response agencies, with information concerning radiation, and with points of contact for release of public information in an emergency. These programs are coordinated with all state and local organizations concerned with emergency planning information.

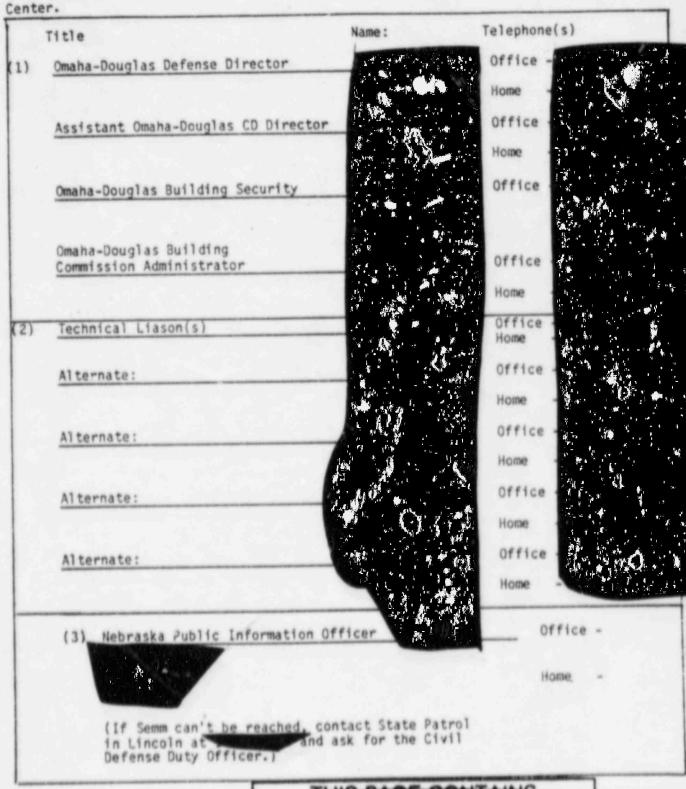
A. Implementation

- OPPD has expanded the scope somewhat to include educational information on the operation of the pressurized water reactor at Fort Calhoun Station and on the economics of nuclear power. Subjects are covered as follows:
 - Operation of Fort Calhoun's nuclear reactor including emphasis on defense-in-depth systems.
 - b. Economic overview of what Fort Calhoun means to the District.
 - c. Radiation.
 - Overview of coordinated emergency planning and Fort Calhoun's Emergency Plan.
 - e. State and local emergency plans for Nebraska.
 - f. State and local emergency plans for lowa.
- State and local authorities normally cooperate in the explanation of their plans.
- Teaching aids for the program include:
 - a. Large display board of an overhead schematic showing relationship of reactor vessel to the two steam generators, the hot and cold legs, and the four reactor coolant pumps.
 - b. A somewhat detailed display board with schematic of reactor vessel, pressurizer, steam generator, turbine, condenser, and related piping and auxiliary systems.

- c. A large display board showing a simplified PWR flow diagram to illustrate relationship between reactor coolant system (superheated water under pressure) and the secondary system (water system which feeds steam generator where it converts to steam, drives the turbine, condenses, and begins the cycle again).
- Large display board depicting sector map and also evacuation routes.
- e. An information kit containing general information about OPPD, Fort Calhoun Station, a glossary of nuclear terms, radiation information, evacuation maps, sector maps and so forth. This kit will be nearly identical with those which would be handed out in the event of an actual emergency.

Appendix A

List of personnel to be placed on standby for possible activation of Media Release Center.



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PROPRIETARY
INFORMATION

(Continued - Appendix A)

Title

Name:

Telephone(s)

Office Iowa Public Information Officer (4) Alternate: (This is a 24-hour number. During non-working hours, phone will be answered by the Des Moines Police Radio Dispatcher. Ask him to connect you with the Disaster Service Duty Officer and relay message through him.) Office Washington County PIO (5) Home Home Alternate: Office (6) Harrison County PIO Offic Home Office Alternate(s): Home Office Chief Deputy Home Office Pottawattamie County PIO (7) Home Office (8) OPPD Security Home Office Alternate: Home

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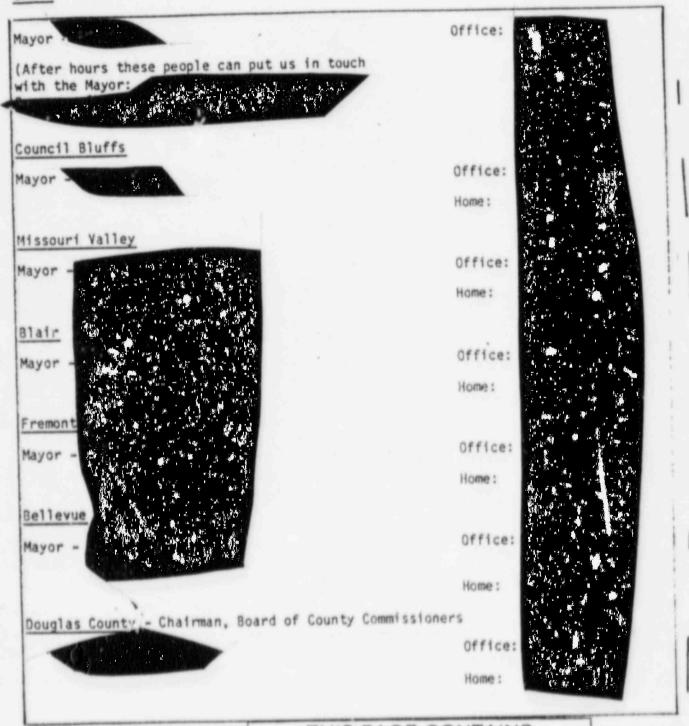
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Appendix 8

List of key public officials <u>not</u> directly responding to emergency, but who should be briefed periodically during any emergency.

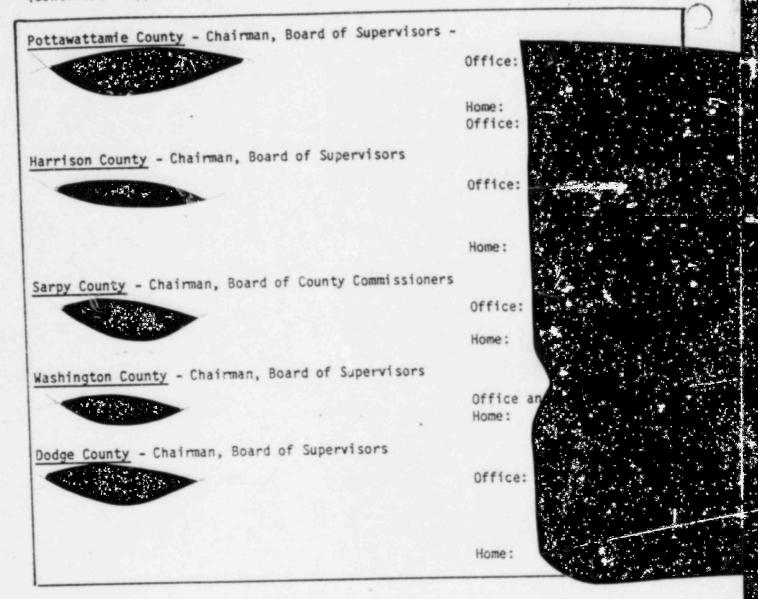
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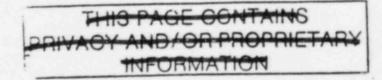


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Appendix C
Media Release Center Staff Call List (including EOF info personnel)

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	Title	Name:	Telephone(s)
)	Media Release Center Director (Division Manager - Corporate Comm		Office Home
	Alternate:		Office
	(Manager - Public Information)		Home
	Alternate: (Manager - Media Relations/Publica	tions	Office Home
	Information Specialist EOF		Office
2)	Información specialise co.		Home -
	Alternate:		Office
			Home
3)	Information Specialist - MRC		Office
			Home
	Alternate:		Office Home
			Office
	Alternate:		Home
4)	Technical Liaison - MRC		Office -
4)	Technical Elevision		Home -
	Alternate:		Office -
			Home - Office -
	Alternate:		Home
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*Also available and trained as Rumor Control Supervisor.

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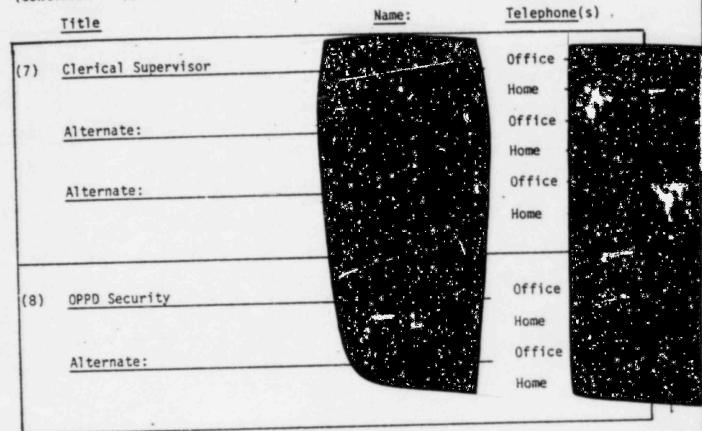
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Telephone(s) Name: Title Public Information and (5) Rumor Control Supervisor Home Office Alternate: Home Office Alternate: Home Office Alternate: Home Office Alternate: Home Office *Alternate: Home Public Information (6) Office Specialists - Rumor Control Home Office Home Office Home Office Home Offica Home Office Home Office Home FC/EPIP/5 *Alternate stationed at Division Office during emergencies. R4 1-22-86

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Appendix D

Equipment and Supply List for Media Release Center

	Items	Quantity	Regular Location
1.	Dedicated phone line between EOF and MRC	1	Permanently installed at both sites.
2.	Two business telephones through OPPD Centrex	2	
3.	Telephone instruments for use with Civic Center phone jacks already in place	15	Stored on site. (Pro- perty of Civil Defense)
4.	Additional phone lines rotoring off one number for rumor control use	10	Lines should be in place. Order service from NW Bell as needed.
5.	Additional phone lines rotoring off one number for phone-tape radio reports.	Up to 10	Lines should be in place. Order service from NW Bell as needed.
6.	Additional phone lines for general District and NRC use	10	Lines should be in place. Order service from NW Bell as needed.
7.	Additional phone lines for use by news media	Up to 100	Lines should be in place. Media should order service from NW Bell at their own expense.
8.	Briefing boards on reactor operations, sectors maps, etc.	1 each	Stored on site in OPPD's emergency room at MRC.
9.	News information kits	400	Stored on site in OPPD's emergency room at MRC.
10.	Notepads, paper, pencils, paper clips, etc.	1 day supply	Stored on site in OPPD's emergency room at MRC.

PRIVACY AND/OR PROPRIETARY
INFORMATION

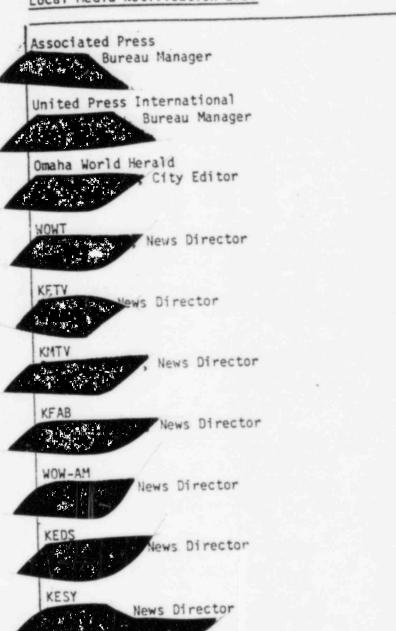
FC/EPIP/5

(Continued - Appendix D)

Quantity	Regular Location
1 copy of each	Stored on site in UPPD's emergency room at MRC.
1 copy	Stored on site in OPPD's emergency room at MRC.
3	CC Division Office.
As needed	Freeman Decorating 734-1950 (rentals)
1	CC Division Office.
Up to 10	CC Division Office.
1	Stored on site. Stored in Corporate Comm. Office
1	CC Division Office.
1	CC Division Office.
	1 copy of each 1 copy 3 As needed

Appendix E (August 1984)

Local Media Notification List





THIS PAGE CONTAINS
PRIVACY AND/OR PROPRIETARY
INFORMATION

FC/EPIP/5

JAN 2 2 1986

Appendix F

News Release Procedures

- The Information Specialist and the Technical Liaison assigned to the Emergency Operation Facility will work together as a team. A dedicated telephone line and another line equipped with telecopier facilities connect them with the Media Release Center.
- 2. As often as required, and at least hourly, they will gather updated plant information. They will verify this information with the Recovery Manager and then transmit it, either verbally or by telecopier, to the Media Release Center. A copy will also be provided to information officers of other agencies at the EOF site.
- 3. This EOF information team may also record interviews and statements of plant recovery officials and transmit them to the Media Release Center for review and release.
- 4. All written news releases will be prepared by an Information Specialist at the Media Release Center under the supervision of the MRC Director. Source material will be information supplied by the information team at the Emergency Operation Facility. The finished release will be submitted to the MRC Director who has it checked for technical accuracy by the Technical Liaison at the Center.
- 5. Special news release materials, including interviews and statements, may be prepared for telephone transmission to radio stations calling for same. These materials will also be prepared by an Information Specialist under supervision of the MRC Director with source material supplied by the information team at the Emergency Operating Facility.
- 6. All news releases, whether for printed or oral use, will be submitted to the Media Release Center Director who will check them for accuracy with the Technical Liaison and then authorize release.
- 7. Copies of all prepared release material should be sent immediately to Senior Management, to the Recovery Manager at the EOF, and to the Rumor Control Center, showing date and time of release.

APPENDIX G

Sample Forms

	This is(name		repr	esenting the	Omaha
	Public Power District.	e)			
	I am calling to notify you		avent at the	Fort Calhoun	Station
	nuclear power plant which / IS NOT a drill. Repeati	is located in w	isnington count	y, Nebraska.	This I
	My call-back number is 536	-4822.			
	Time and date of event:	(time)	(date)		
	Description of event:				
				-	
					-
×					
6.	No significant release of protective measures for the	radioactive mat ne public appear	erials has tak necessary at	en place and this time.	no
7.	The plant status is curren	ntly STABLE / IN	PROVING / DEGR	ADING.	
TDA	NSMITTED BY		TIME	DATE	
	NSMITTED BY (name)			
	SETUED BY				
KEU	CEIVED BY	(name and	agency)		

FC/EPIP/5

1.	This is(name)		repr	esenting the Omaha
	Public Power District.			
2.	I am calling to notify you t EMERGENCY has been declared located in Washington County	at the Fort	/ SITE AREA EME Calhoun nuclear	RGENCY / GENERAL power plant which is
3.	My call-back number is 536-4	822.		
4.	This IS / IS NOT a drill. I	repeat: Th	is IS / IS NOT a	drill.
5.	Time and date of event:	(time)	(date)	
6.	Brief description of event:			
7.	There HAS BEEN / HAS NOT BEE	EN significar	nt release of ra	dioactive materials.
8.	(If applicable) Release was	AIRBORNE /	NATERBORNE / SUR	FACE SPILL.
9.	The plant status is current			
TRA	NSMITTED BY(name)		TIME	DATE
*	(name)	Section 1		
REC	EIVED BY			
I charge		(name and	agency)	

FC/EPIP/5

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R4 1-22-86

EMER	GENCY UPDATE - Message No.	
	This is(name)	representing the Omaha
1.	(name)	
	Public Power District.	
2.	I have an update on the UNUSUAL EVENT / ALERT / S EMERGENCY underway at the Fort Calhoun nuclear por County, Nebraska.	TTE AREA EMERGENCY / GENERA wer plant in Washington
3.	My call-back number is 536-4822.	
4.	The plant status is currently STABLE / IMPROVING	/ DEGRADING.
5.	(If applicable.) Change the emergency class to: EMERGENCY / GENERAL EMERGENCY.	
6.	Here are the latest developments:	
4		
TRA	NSMITTED BY	TE DATE
	(name)	
REC	EIVED BY (name and agency)	
	(name and agency)	

FC/EPIP/5

ISSUED

R4 1-22-86

SHELTERING

The following information may be utilized in news releases, radio tapes, and other communication with the general public as appropriate.

In connection with the nuclear power plant incident now underway, State authorities have directed people in certain designated areas near the plant to take shelter immediately. Here are some specific sheltering instructions.

- If you are outdoors, go inside immediately. Once indoors, close all windows and doors. Turn off fans, air conditioning, and close any other air intakes.
- 2. If you have come in from outside, wash your hands and face as a minimum, particularly before handling or eating any food. If possible, take a shower using cool or lukewarm water. Wash any items of clothing you were wearing outside.
- Cover all "open" food containers.
- Do not use your telephone unless it is absolutely necessary. Keep phone lines open for emergencies.
- 5. Stay sheltered until you receive official notice that it is safe to go out. Stay tuned to your emergency broadcast station for later information and further instructions.

EVACUATION

The following information may be utilized in news releases, radio tapes and other communication with the general public as appropriate.

In connection with the nuclear power plant incident now underway, State authorities have directed the evacuation of certain designated areas near the plant. Here are some specific evacuation instructions.

- Remain calm. You're far more likely to be hurt acting in haste than you are by radioactivity.
- 2. Gather together personal items you may need: soap and towels, shaving articles, toothpaste and toothbrush, toilet paper, sanitary supplies, eyeglasses, dentures, credit cards, baby foods, disposable diapers. You may also have use for other supplies such as a portable radio, flashlight, batteries, and plastic or paper bags.
- 3. Do not forget prescription medicines and other medical supplies.
- Provide for pets and livestock, sheltering them with food and water were possible.
- Before leaving your home, shut off all appliances and lock all doors and windows.
- Orive safely, using evacuation routes. Stay tuned to your emergency broadcast station for further information.
- 7. Unless you plan to stay with friends or relatives outside the evacuation area, proceed directly to your designated reception area where personnel will be available to help you find temporary living accommodations.
- 8. If you need transportation, contact the Sheriff's office or the State Patrol.

 R4 1-22-86

ISSUED

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THYROID BLOCKING

The following information may be utilized in news releases, radio tapes and other communication with the general public as appropriate.

Because of the nuclear power plant incident now underway, state health officials are considering the use of a protective drug, potassium iodide. In a radiation emergency, radioactive iodine could be released into the air. Potassium iodide, which is a form of iodine, can help protect you.

It works this way. Certain forms of iodine help your thyroid gland work properly. Most people get the iodine they need from foods, like iodized salt or fish. The thyroid can store or hold only a certain amount of iodine. If you take potassium iodide, it will fill up your thyroid. This reduces the chance that harmful radioactive iodine will enter into the thyroid gland.

Any distribution of this prescription to either emergency workers or to members of the general public will be by state and/or local officals only and will be strictly controlled. You should take potassium iodide only when public health officials tell you to.

If you are told to take this medicine, take it one time every 24 hours, following directions carefully. Do not take it more often. More will not help you, and it may increase the risk of side effects. Do not take this drug if you know you are allergic to iodide. Should you experience side effects or an allergic reaction, stop taking potassium iodide and call a doctor or public health authority for instructions.

PERSONAL RESPIRATORY PROTECTIONS

The following information may be utilized in news releases, radio tapes and other communication with the general public as appropriate.

Because of the nuclear power plant incident now underway, state health officials are advising affected citizens to improvise respiratory protective devices. Such devices can be helpful in protecting against airborne solid particulates.

A man's cotton hankerchief can be an effective filtration device. The handkerchief should be dry, folded eight times, and placed over the mouth and nose. A dry bath towel, folded in two layers, is almost as effective.

Of course, the total effectiveness of such devices depends on a conscientious effort to obtain and maintain a good close fit over the mouth and nose. Small children should be assisted in maintaining such a fit.

APPENDIX H

GUIDANCE ON PUBLIC ANNOUNCEMENTS CONCERNING NUCLEAR POWER PLANTS

Public announcements should be made for the following types of events:

Non-routine release of significant radioactive material to Unrestricted Areas
Release of significant quantites of radioactive material to Restricted Areas
Significant radiological event off site, occurring during transport, or
affecting the public

Injuries to or death of employees at operating nuclear power plants
Significant radiation exposures to employees or members of the public

Effects of earthquakes, floods, tornados or other natural occurrences having potential for damaging nuclear power plants.

Incidents causing major damage, e.g., fires or explosions

Environmental concerns, e.g., fish kills, <u>large chemical release</u>, or other such events impacting on the public

Major construction interruption resulting from Regulatory action

Major enforcement actions; fines or other sanctions

Non-scheduled shutdowns expected to last for more than one week, regardless of cause

Shutdowns resulting from failure of or damage to safety-related equipment that exceeded one day

Failure of or damage to safety-related equipment, if the time for repair is likely to exceed that allowed by the technical specifications (to be issued as early as possible).

Appendix J

Employee Information Bulletins.

- 1. Obtain periodic update information from Media Release Center (oordinator.
- 2. Prepare brief information bulletins reflecting any significant changes in plant status or in status of the emergency. Preface each bullatin with the date and time issued and with request that it be given widest employee distribution among employees.
- 3. Secure approval for release from Media Release Center Coordinator.
- Distribute to the following points within the company via telecopier in Room 123.

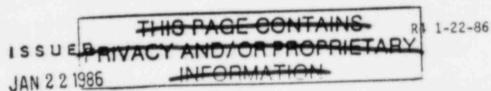
Location	Contact	Phone	Phone	Speed
Electric Building	Marie Schmidt			1 min.
Electric Bldg. Mailroom	Andy Gampper			1 min.
Dispatchers	Doug Welsh			1 min.
Omaha Line	Bob Adamson			1 min.
Irvington Center	Jim Thompson			1 min.
Papio Center	Leonard Coufal			1 min.

Distribute to the following points via telecopier located at rumor control center position.

Location	Contact	Phone	Phone	Speed
Jones Street	Jane Morfeld			1 min.
North Omaha	Dawn Nichols			1 min.
Nebraska City	Cindy Patton			1 min.
Sub. 906	Larry Rischling			1 min.

- Written news releases issued by the District concerning the emergency should also be transmitted to employees through this telecopier system as described.
- Priority on use of telecopier in Room 123 will always be given to communications from the EOF to the Media Release Center.

FC/EPIP/5



Fort Calhoun Station Unit No. 1 EMERGENCY PLAN IMPLEMENTING PROCEDURE EPIP-TSC-8 TECHNICAL SUPPORT CENTER

Estimate of Core Damage

I. PURPOSE

This procedure provides instruction for gathering data and estimating the extent of core damage. Four major categories for fuel damage will be considered: no damage, cladding failures, fuel overheating and fuel melt.

II. PREREQUISITES

- A. Isotopic activities are available per OI-SL-2 or OI-PAP-2.
- B. Readings from core exit thermocouples are available.
- C. Computer program UTYPASS is available for execution.

III. PRECAUTIONS

- A. In the event the core damage estimate is determined after a containment purge operation, correct the noble gas concentrations to reflect the initial concentrations prior to the purge operation.
- B. Samples taken during later stages of a transient may provide more accurate core damage estimates.

IV. PROCEDURE

- A. Preliminary Indications of Fuel Damage
 - 1. No Damage
 - a) ALL operable Core Exit Thermocouples (CET's) reading < 700°F.

AND

b) NO excess H2 in the reactor coolant system or in the containment atmosphere.

2. Cladding Failure

a) One or more Operable CET's reading > 700°F

AND

b) No excess H₂ is detected in the reactor coolant system or the containment atmosphere.



IV. PROCEDURE (Continued)

AND

A. 2. c) The reactor coolant and/or the containment atmosphere has high activity.

3. Fuel Overheating

a) The Heated Junction Thermocouple system (HJTCS) indicates core uncovery for more than a few minutes.

AND

b) One or more Operable CET's reading > 900°F.

AND

c) Excess H₂ detected in the reactor coolant or containment atmosphere.

4. Fuel Melt

a) HJTC indicates core uncovery for an extended time.

AND

b) More than one CET reading > 900°F for a long period of time.

AND

c) One or more CET readings > 1100°F.

AND

d) Excess H₂ detected in the reactor coolant and/or containment atmosphere.



IV.	PROCEDURE	(Continued)
	I LICH AND BE DELIGHTED	free de la respectation de la

- B. Isotopic Analysis
 - 1. Perform an isotopic specific activity analysis.

BY

2. Obtaining samples based on the following criteria:

TYPE TRANSIENT

SAMPLE LOCATIONS

- Rapid Depressurization of Primary System
- Reactor Coolant, Containment Atmosphere, Containment Sump
- Slow Depressurization of Primary System

EARLY

Reactor Coolant

LATER

Reactor Coolant, Containment Atmosphere, Containment Sump

 Primary System Remains Pressurized

Reactor Coolant

NOTE

*IF the core damage estimate is performed after purging containment, THEN the noble gas concentrations should be adjusted to reflect the initial concentrations prior to the purge operation.

AND

- 3. Using OI-SL-2 or OI-PAP-2, complete Table 1.
- 4. Record the time of reactor trip
- 5. IF Safety Injection Tanks (SIT's) and/or Safety Injection Refueling Water lTank (SIRWT) have been used during the transient,

THEN

- 6. Complete Table 2.
- 7. Determine the elapsed time between reactor trip and sample measurement:

HOURS

THEN

- 8. Complete TABLE 3 on Power History.
- 9. Using the information from Tables 1, 2, and 3.

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IV.	PROCEDURE	(Continued)

B.	10.	Run	computer	program	UTYPASS	by:
----	-----	-----	----------	---------	---------	-----

 Using the Combustion Engineering computer system upon which UTYPASS resides,

Dial 1-800-243-3202 or 1-203-683-0411 or 1-203-683-2734

b) Then when computer is accessed, use following sequence to log on and access UTYPASS.

USERNAME, PASSWORD: OMAHA, O CARRIAGE RETURN (CR)

THEN Type

XEDIT, UTYPASS, P CR

Perform input changes, (see Appendix A)

THEN

Q, ,RL CR.

c) To submit the computer job type Submit, UTYPASS, T CR

d) When the job is done, do the following to identify the job name

ENQUIRE, UJN

e) To print the results, perform the following sequence:

TRMDEF, PW=136. CR QGET, LfN CR COPY, LfN

- 11. Determine the extent of fuel damage.
- 12. Results:

a)	Amount	of	failed	clad		7
					Name and Address of the Owner, when the Owner, which t	-

b) Amount of fuel experiencing overheating 50%.

AND

c) Amount of fuel melting 2

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TABLE 1

	Temperature *F	Pressure psia
Containment		
Gas Loop		
RCS (Tave)		

Specific Activity (microcuries/cc)

ISOTOPE	REACTOR COOLANT	CONTAI NMENT ATMOSPHERE	CONTAINMENT SUMP
X-133	T		
Kr-88			
Kr-85			
1-131	1		
Cs-134			
Te-132			
Ba-140			
Ru-103			

Time	of	Sample	Measurement	
		The second second		Name of Street, Street



UX : : ...

TABLE 2

Safety Injection Tank Level, %
Before After

SI-6A	
SI-68	
SI-6C	
SI-6D	

SIRWT Level (inches)
Before After

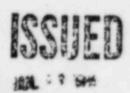


TABLE 3

Pj	Pj Tj									

Up to 8 Intervals May be Used

Pj = Steady reactor power operated in period j % full power

NOTE:

In each period, the variation of steady power should be limited to ±10%.

 T_j = Duration of operating period j (days)

 $_{\rm j}^{\rm ro}$ = Time between the end of operating period j and time of reactor shutdown (days)



JUL : GPE

APPENDIX A

User input guide for core damage estimate computer program

PRGPASS.

CARD 1

5	10	15	20	25	30	35	40
		HOURS			N. Carrie		
		W					r i d
TIIME =	HOURIS	1111	1111	1111	1111	1111	1111

Hours is in F5.1 format starting in Card Column 12

Hours is the time from reactor trip until the primary sample is read.

CARDS 2 through 5 - SI Tank Levels

5	10	15	20	25	30	35	40
S 1 - 6 X	ш	101.1010	0[0]+[0]0	101.1010	0[8]+[0]0	1111	1111

Cards 2 through 5 are for SI, 6A 6B, 6C, 6D tank levels before use and after use. The levels are in percent. Format is E9.3, 1X, E9.3 starting in Card Column 12.



5	10	15	20	25	30	35	40
			INITIAL	FINAL			
						117	
SIIRIWIT	1111	1111	1111	1111	1111	1111	1111

Card 6 is for SIRWT level before and after use, if any. Level is input in inches. Format is E9.3, 1%, E9.3 starting in Card Column 12.

CARD 7 - Containment Temperature and Pressure

5	10	15	20	25	30	35	40
			TEMP.	PRESS.			
CIOINITIA I	NIMITI	1111	1111	1111	1111	1111	TILL

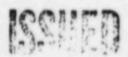
Card 7 is for input of containment temperature (°F) and containment pressure (PSIA). These values should correspond to the time the containment atmospheric sample was taken. Format starting in Card Column 12 is E9.3, 1x, E9.3.

CARD 8 - Gas Sample Temperature and Pressure

5	10	15	20	25	30	35	40
	_		TEMP.	PRESS.			
GIAISI IL LIOI							

Card 8 is for input of the gas sample temperature (°F) and pressure (PSIA). The format starting in Card Column 12 is E9.3, 1X, E9.3.

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CARD 9 - Core Average Reactor Coolant System Temperature

5	10	15	20	25	30	35	40
		TEMP.			1.4		
						2	
RICISI IT	EMP	1111	1111	1111	1111	11111	1111

Card 9 is for input of the core average RCS temperatures (*F) coresponding to the time when the primary sample was taken. Format starting in Card Column 12 is E9.3.

CARDS 10 through 17 - Isotopic Information

5	10	15	20	25	30	35	40
		RC		CA	1.444	cs	
						36.7	
IISIOITIO PIE	LLL	LLLL	LILI	1111	THI	11111	1111

Cards 10 through 17 are for input of isotopic information.

The activities input are in microcuries/cc.

The reactor coolant values start in Card Column 12.

The containment atmospheric values start in Card Column 22.

The containment sump values start in Card Column 32.

If a sample is not read for a particular isotope or a region is not sampled, input zero's.

The format for each card is AlO, 1X, E9.3, 1X, E9.3, 1X, E9.3.

The isotope cards must be in the following order.

CARD N	0.	ISOTOPE
10		XE-133
11		KR-88
12		KR-85
13		I-131
14		Cs-134
15		TE-132
16		BA-140
17		RV-103

CARD 18 - Choice to use Noble Gases or Cs-134/I-131 for Overheating Calculations.

5	10	15	20	25	30	35	
		N1					
CHOILCE	11	111	1111	LILE	1111	1111	1111

N1 = 0 Use Noble Gases = 1* Use I-131 and Cs-134

*Use the data for Iodine or Cesium only when the data for noble gases are not available.

CARD 19 - Number of Values in History File (Cards 19 through 27)

5	10	15	20	25	30	35	40
No.		N					
1275-17							
PIWIRISI		1111	1111	1111	1111	1111	1111

N = Number of power changes for 30 Days prior to trip, N = 1 to 8. Integer format in Card Column 12.





CARDS 20 through 27 - Power History

5	10	15	20	25	30	35	'40
			POWER		DAYAT		DAYTIL
1111	1111	1111	1111	1111	1111	1111	11111

The power history is for the 30 days prior to shutdown. Up to 8 power changes may be modeled.

POWER = Power level in percent of full power. Note 10% levels are sufficient modeling changes.

DAYAT = Duration of operating period (Days).

DAYTIL = Time between the end of the operating period and the time of reactor shutdown (Days).

FORMAT = 15X, F5.1, 5X, F5.1, 5X, F5.1.



7 17 8