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 DENTON, H.R. Office of Nuclear Reactor Regulation, Director

SUBJECT: Forwards Rev 3 to emergency plan.

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# INDIANA & MICHIGAN ELECTRIC COMPANY

P.O. BOX 16631  
COLUMBUS, OHIO 43216

September 28, 1984  
AEP:NRC:0824B

Donald C. Cook Nuclear Plant Unit Nos. 1 and 2  
Docket Nos. 50-315 and 50-316  
License Nos. DPR-58 and DPR-74  
EMERGENCY PLAN REVISION 3

Mr. Harold R. Denton, Director  
Office of Nuclear Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Dear Mr. Denton:

Please find enclosed two (2) copies of Revision 3 to the Donald C. Cook Nuclear Plant Emergency Plan. This revision incorporates changes to our emergency response plan of operations that have developed since Revision 2 was submitted. Changes are identified by a vertical bar in the right hand margin with the exception of those made for editorial purposes (i.e. misspellings, typos, and punctuation).

The changes committed to in the letter from Mr. M. P. Alexich to Mr. J. G. Keppler, dated October 21, 1983 are included in this revision. In addition, editorial changes were made to some pages of previous revisions. Other items included in Revision 3 are a five year plan for emergency preparedness at the Donald C. Cook Nuclear Plant, and a cross reference showing those Plant Emergency Plan Procedures which implement each section of the Emergency Plan.

This revision of the Emergency Plan is being incorporated into Section 12.3 of the FSAR. Instructions have been enclosed for replacing the affected pages.

Revision 3 is consistent with the requirements of 10 CFR 50.54(q) and does not decrease the effectiveness of the Donald C. Cook Nuclear Plant Emergency Plan.

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M. P. Alexich  
Vice President

PAK  
9/28/84

/edg

Enclosures

cc: John E. Dolan  
W. G. Smith, Jr., Bridgman  
R. C. Callen  
G. Charnoff  
E. R. Swanson, NRC Resident Inspector, Bridgman  
J. G. Keppler, NRC, Glen Ellyn, Illinois

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J. B. Shinnock  
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Agreement Letter, Medic 1 Community Emergency Service 8/17/82	Agreement Letter - Medic 1 Community Emergency Service 8/20/84
--	Agreement Letter - Lake Township Ambulance and Rescue,
--	Mutual Assistance Agreement with Signature Sheet dated 9/15/84
--	Tab Marked APP K and Five Year Plan for Emergency Preparedness Activities at the Donald C. Cook Nuclear Plant



# 8410020370

INDIANA & MICHIGAN ELECTRIC COMPANY  
**DONALD C. COOK NUCLEAR PLANT**

**EMERGENCY PLAN**

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FINAL SAFETY ANALYSIS REPORT  
CHAPTER 12.3  
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REV. 2

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## Donald C. Cook Nuclear Plant Emergency Plan

### 12.3.1 Introduction

#### 12.3.1.1 Purpose

The purpose of the Donald C. Cook Nuclear Plant Emergency Plan is to fulfill the requirements as set forth in 10 CFR 50 and Appendix E and the planning objectives set forth in NUREG-0654/FEMA-REP-1 Revision 1.

#### 12.3.1.2 Objective

The Donald C. Cook Nuclear Plant emergency plan has the fundamental objective of protecting the health and safety of the general public, persons temporarily visiting or assigned to the reactor facility, and employees of the plant.

#### 12.3.1.3 Scope

The specific details for the implementation of this emergency plan are incorporated in the Donald C. Cook Emergency Plan Procedures and in the American Electric Power Company Procedures pursuant to the requirements specified in Section 12.3.1.1 The Emergency Plan Procedures will use or reference procedures.



14. Operations Support Area (OSA). This area is located in the basement/shelter room of the plants office building. Upon activation personnel on site so designated who do not have specific reporting duties elsewhere, will proceed to this area. It will be the area, if necessary, that will house the operations support personnel for assignment to respond to the assistance of the Control Room and Technical Support Center requests. A communications link is established as needed with the Control Rooms and Technical Support Center.
15. Protective Action Guides (PAG) - Projected radiological dose or dose commitment values to individuals in the general population that warrant protective action following a release of radioactive material. Protective actions would be warranted provided the reduction in individual dose expected to be achieved by carrying out the protective action is not offset by excessive risks to individual safety in taking the protective action. The PAG does not include the dose that has unavoidable occurred prior to the assessment.

12.3.3.2.5 Shift Technical Advisor (STA)

The on-duty Shift Technical Advisor reports to the Control Room in the event of an emergency. His function is to provide an independent assessment of conditions present and actions taken; he reports to the Shift Supervisor and acts in an advisory capacity. Other STA's called in will report to the TSC, as needed. 1

12.3.3.2.6 Shift Supervisor (SS)

The Shift Supervisor or senior licensed individual on-site is normally responsible for initiation of the actions required by the emergency plan coordination of all plant activities until arrival of the Plant Manager (or Alternate). Although the SS is relieved of this overall responsibility after arrival of the Plant Manager (or Alternate), he continues to be in charge of and responsible for plant operations. In this capacity, the SS directs the activities of his shift from the location where the best overall perspective of the emergency can be obtained. Normally this location would be the Control Room, but may in some instances be the SS office or TSC where information and additional communications are available. 1

12.3.3.2.7 Liaison Person

There are two liaison persons each of which is a member of the Plant Manager's staff who has training in health physics. One is sent to the Berrien County Emergency Operations Center and the other to the On Scene State Emergency Operations Center to provide liaison between the Plant Manager and the Berrien County Sheriff's Department and On Scene, upon declaration of a Site or General Emergency. The Liaison person is responsible to assist in the interpretation of data originating from the plant, receive plant reports and respond to questions from representatives of governmental agencies involved in the off-site EOC.

12.3.3.2.8 Manager of the Cook Energy Information Center

The manager of the Cook Energy Information Center or his designated alternate is responsible for evacuating all employees and all visitors of the center should this action become necessary. He is also responsible for the personnel accountability at the center and for the activation of the Emergency News Source, if required.

12.3.3.2.9 Plant Radiation Protection Supervisor

The Plant Radiation Protection Supervisor is responsible for assuring that all parts of the emergency plan are conducted in a manner consistent with good health physics practices. When the TSC is activated, the Plant Radiation Protection Supervisor initially reports to the Technical Support Center and remains available for assistance until activation of the Emergency Operations Facility (EOF).

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The Plant Radiation Protection Supervisor is responsible for assuring that proper radiation control procedures are followed.

12.3.3.2.10 Additional Plant Staff Emergency Assignments

Functional areas of responsibility for additional plant emergency assignments are detailed in the Emergency Plan Procedures.

12.3.3.3 American Electric Power Emergency Response Organization

The AEP Emergency Response Organization shown in Figure 12-4 is structured to provide support to the plant operating staff in the event of an

1

President - Nuclear Engineering.

2

Individuals assigned functions may develop specific procedures to effectively deal with the operations in the designated area of responsibility.

1

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In addition, an Advisory Support Group, which reports to the Emergency Operations Facility shall serve to aid the AEP Emergency Response Organization by providing expertise from outside organizations including Westinghouse (NSSS), DOE, FEMA, NRC and professional consultants and industry organizations such as Radiation Management Corporation (RMC), and Institute of Nuclear Power Operations (INPO). These groups represent a resource for the Recovery and Control Manager to aid his staff in resulting technical issues.

1

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Recovery and Control Manager

Reports to: Office of the Chairman, American Electric Power Company.

#### 12.3.3.3.6 Schedule and Planning Manager

Reports to: Recovery and Control Manager

Primary Responsibilities: Assists the Recovery and Control Manager to expedite plans for recovery operation and schedule activities on a short-term basis. He performs his function in the EOF in Benton Township.

1

#### Principal Interfaces:

1. The Engineering, Design, and Construction Manager concerning plans and activities related to modifications systems or plant equipment or the installation of newly designed systems and equipment, as well as identification of key problems, resource limitations, and schedule milestones.
2. The Plant Operations Manager for outages required and design change coordination for implementation of in-plant activities not associated with recovery operations so as to prevent interference with the on-going recovery activities.

local resources when the local resources are clearly insufficient to cope with the emergency.

After notification has been given by the Plant Manager, (or Alternate) of an emergency condition, the Berrien County Sheriff will assume responsibility for and will perform the following:

- (1) Contact Michigan State Police
- (2) Contact State Department of Public Health
- (3) Contact other State and Local Agencies as needed for assistance
- (4) Control off-site vehicular and rail traffic
- (5) Initiate the warning system and issue clear instructions of what protective action is required for the populace. Take other appropriate action, if so advised by the Michigan State Department of Public Health or upon notification by the Plant Manager (or Alternate) that conditions requiring immediate off-site protective action have been reached. (For further detail see the Berrien County Plan - Warning Annex.)

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- (4) Conduct other monitoring as requested;
- (5) Assist local authorities to warn and evacuate occupants of state parks, beaches, and other recreational areas if necessary; and;
- (6) Monitor areas for contamination of the environment and recommend suitable counter-measures to reduce the impact of contamination of the environment.

H Department of Social Services

- (1) Assist with sheltering and housing evacuated population;
- (2) Provides feeding and clothing if required to persons affected;
- (3) Established assistance centers for affected individuals and families to receive advice and assistance; and,
- (4) Coordinates assistance made available by volunteer relief agencies and the American Red Cross.



# DONALD C. COOK NUCLEAR PLANT PLANT ORGANIZATION

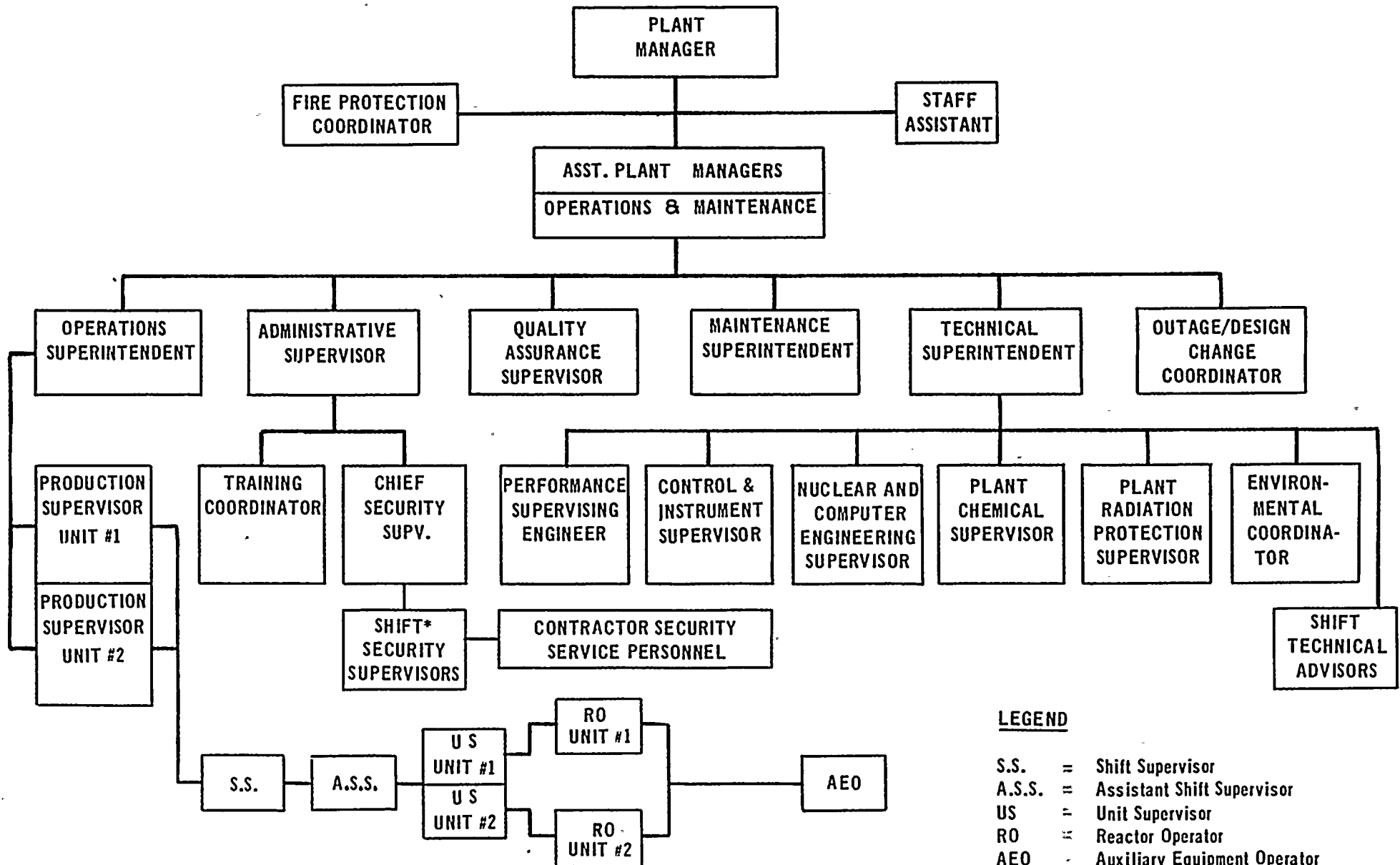


FIGURE 12-3



- c) Various Consultants on radiological and radwaste requirements.
- d) Exxon Nuclear Inc. - Nuclear Fuel Supplier
- e) Electric Utility Mutual Assistance Agreement  
for Transportation Accidents
- f) Nuclear Power Plant Emergency Response  
Voluntary Assistance Agreement

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Department, NRC and AEP Emergency Response Organization as required will be notified by the Plant Manager (or Alternate) that such an incident has occurred.

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It is the responsibility of the Michigan Department of Public Health to make protective action decisions such as sheltering, evacuation, administration of thyroid blocking drugs, etc. These decisions are based upon the protective action guides which have been developed with recovery actions in Annex Q of the Michigan Emergency Preparedness Plan (MEPP). Since copies of the MEPP are maintained and readily available at the various Emergency Response Facilities, the protective action guides and their bases will not be reproduced here.

2



12.3.6.1 Notification of Emergency Response Personnel and Organizations

12.3.6.1.1 On-Site

If an emergency condition should arise that would affect individuals on or off site, this emergency plan will be initiated. There are two plant emergency alarms: A Fire Alarm and a Nuclear Alarm.

If it is determined that the incident or condition has a major plant effect resulting in a Site or General Emergency, or involves a lesser emergency with a release of radioactive material such that plant personnel must be evacuated from their respective work area, the Nuclear Emergency Alarm is sounded. If the incident or condition is a fire, the Fire Alarm is sounded which also places appropriate Sections of this plan in effect. Each audible signal is unique and easily distinguishable so that no confusion as to its purpose will develop. The Nuclear Emergency Alarm is a horn designed to produce a distinct sound different from any other alarms in the plant. It may be activated manually from either the Unit 1 Control Room or Unit 2 Control Room. The senior supervisor of the on-duty shift (e.g.), the Shift Supervisor has the authority to activate the Nuclear Emergency Alarm.

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In his absence, the senior NRC licensed operator has the authority to activate the Nuclear Emergency Alarm. An announcement over the Plant Public Address System, identifying the incident will be made. In addition, certain areas where the P.A. System and/or the Nuclear Emergency Alarm is not audible, strobe lights are installed to provide a visual warning signal.

The appropriate alarm for the determined condition sound throughout the plant and at the switchyard.

12.3.6.1.2

Off-Site (Plant Staff)

A current list of all essential personnel with their telephone numbers is maintained in the SS office so that they may be notified immediately. This call list is incorporated into the Plant Emergency Plan Procedures. When the Nuclear Emergency Alarm is sounded, notification of the Plant Manager (or Alternate), or the Operations Superintendent is the responsibility of the Shift Supervisor (SS). A single call to the Security Shift Supervisor initiates the emergency "call list" for notification of appropriate personnel and support organizations.

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Once the Nuclear Emergency Alarm has sounded, only authorized personnel are permitted to enter the plant site. This access control is a function of the Plant Security Force which may be further augmented by the Berrien County Sheriff and/or the State Police.

12.3.6.1.3 Off-Site Response Organizations

During an emergency condition control of off-site actions rests with the appropriate governmental authorities with technical assistance provided by various members of the plant staff. This technical assistance is provided through the use of the plant's communication system.

Notification is given to the Berrien County Sheriff's Department and to the St. Joseph Post 57 of the Michigan State Police of any emergency as indicated in Section 12.3.5 that may affect individuals off-site. The Berrien County Sheriff's Department has established a county Emergency Operating Center in St. Joseph, Michigan which will be the focal point for immediate off-site County agency actions should notification be given by the Plant Manager (or Alternate) of an emergency condition. The Berrien County



Sheriff is the Berrien County Civil Defense Director and is responsible for coordinating all local resources should an emergency condition exist. A plant liaison person is sent to the Berrien County Emergency Operating Center for interpretation of incoming plant reports, and as liaison between the Plant and the Berrien County Sheriff's Department for emergency classifications of SITE EMERGENCY or greater and for an ALERT condition as required.

1

Notification shall include the message authentication in order to permit further action by the Sheriff's Department.

Upon notification with authentication, the Berrien County Emergency Operations Plan will be implemented.

The organization for the Department of State Police is such that the St. Joseph post notifies the District Number 5 Headquarters in Paw Paw who in turn notifies the Department Headquarters in East Lansing. The Michigan State Police will set up an off-site command post at Benton Harbor and coordinate their efforts through the State On Scene

2

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Emergency Operating Center (OSEOC) and the Lansing EOC. A liaison person will also be sent to the OSEOC upon activation by the State Police to perform a function similar to that of the person at the Berrien County EOC. The Plant will communicate to the State and County simultaneously (where practical) for plant status updates. All communications where practical to the State and County will be via the Plant liaison at their respective EOC's.

The Michigan Nuclear Incident Response Organization and responsibilities is shown on Figure 12-2, Section 12.3.2.

12.3.6.2 Levels of Implementation for Alerting, Notifying and Mobilizing Response Personnel

Evaluation of the plant instrumentation readings is the primary means for the Shift Supervisor to decide the level of action to institute under an emergency condition. The action taken depends on the severity of the incident and its effects or possible effects.

Incidents which in the judgement of the SS result in a release of radioactivity resulting in an excessive exposure to plant personnel

1

1

Manager (or Alternate). Any incident other than routine tests that requires initiation of the Nuclear Emergency Alarm requires notification of the AEPSC Emergency Response Organization and NRC by the Plant Manager (or Alternate) and notification of appropriate off-site groups as determined by the Plant Manager (or alternate). Figure 12-6 shows the initial notification process for nuclear incidents. A current list of all the company officials and the appropriate County, state and federal authorities with their telephone numbers is maintained as part of the Emergency Plan Procedures. A listing of off-site support groups is attached herein as Appendix C.

Emergency Plan Procedures have been developed to provide for detailed instructions for the proper notification of personnel off-site to respond to the declared emergency condition.

#### 12.3.6.3 Contents of Emergency Messages

Initial and follow-up emergency messages sent from the Plant to each off-site response organization shall contain the information listed below as it becomes available. Initial messages should contain the following minimum information:

The TSC shall be activated for Site Emergency and General Emergency levels of emergency action, and as required during an Alert.

1

In the TSC are located senior plant management and technical personnel representing the licensee and the NRC. TSC personnel provide support to the control room operating personnel in the management of abnormal conditions and in accident mitigation. During recovery operations the TSC provides plant systems support for the management personnel who will be located in the Emergency Operations Facility (EOF). The TSC functions as the primary information source to the EOF and to the NRC (via EOF) on plant status. The TSC performs the functions of the EOF until the EOF is staffed.

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Data to monitor reactor systems status, to evaluate plant systems abnormalities and perform dose assessment calculations and estimates are provided in the TSC. These monitoring and evaluation functions incorporate signal detection capability. Sufficient data to determine the plant steady state and dynamic behavior prior

1

12.3.9.3 Operations Support Area (OSA)  
(see Figures 12-7 and 12-8)

This is an assembly area for personnel to report for instructions from the Plant Operations Manager or his staff. Communications are provided to the Control Room, Technical Support Center, and Survey Teams. This area will be activated whenever the TSC is activated and will be manned with sufficient staff to perform the required administrative and coordination functions.

1

12.3.9.4 Emergency Organization - Concept of Operation

Should an emergency occur at the Cook Plant involving any of the four Emergency Action Levels (Unusual Event, Alert, Site Emergency, and General Emergency), notification of the event will be made by the Plant Supervisory Staff to an Initial Assessment Group (IAG) comprised of AEPSC personnel. The callers and persons called are designated in Emergency Plan Procedures.

1

The IAG members are technical managers and a public affairs representative. The IAG is the interim corporate management organization responsible for organizing and utilizing all AEP resources in response to the accident. The IAG maintains communication with the Plant and assesses the

seriousness of the situation. It brings in AEPSC engineering personnel to assist it in making technical evaluations. The IAG performs its activities in the AEPSC offices. An area has been equipped with telephone communications, maps, and charts for recording Plant parameters. At this location, the IAG has direct access to AEP architect-engineer personnel involved with the Donald C. Cook Nuclear Plant since its inception, as well as Plant documents, drawings and records.

2

The concept being employed by AEPSC and I&MECo is to support the Plant operation staff in an emergency by means of three sequential phases.

1

FIRST PHASE:

The first phase is concerned with the initial phase of the accident. At the Plant, the Technical Support Center would be activated upon an Alert, or as needed, and would perform its functions to support the Control Room operation. These functions are to provide Plant management and technical support to Operations personnel; relieve the Control Room personnel of peripheral duties and communications not directly related to Plant

A Class A model is available for atmospheric diffusion rate estimates. The output of these estimates would include the plume dimensions and position thus enabling calculations of the details of concentrations at various locations as a function of time to be made. The system will be capable of transmitting real time meteorological data to the emergency response organizations by remote interrogation. Data from this system will be made available to emergency response organizations, the NRC, control room, and the emergency response centers.

2

1

1

Backup meteorological information on wind speed and wind direction can be provided via the communications system from the Energy Information Center adjacent to the site and from the Benton Harbor Service Building approximately 11 miles northeast of the site. Pasquill categories can be estimated based on guidelines provided in the implementing procedures.

1

#### 12.3.10.6 Radiological Field Monitoring

As part of the response to any Alert, Site Emergency, or General Emergency classified event, one or more radiological assessment teams are formed, as per

personnel, temporary personnel, and plant visitors are required to remain in this area until it is determined by the Plant Manager (or Alternate) that evacuation would not prove hazardous to individuals. Surveys will be conducted of the OSA to ensure continued habitability. Evacuation of these individuals shall not commence until it is determined that personnel exposure for such evacuation is within the limits of 10 CFR Part 20 or if this is not practical due to the nature of the emergency, the most expeditious and non-hazardous evacuation route shall be used.

1

The decision to commence evacuation of the Cook Energy Information Center is made by the Plant Manager (or Alternate) on the basis of the evaluation of the condition of the plant and the extent of the emergency.

The primary evacuation route of employees and visitors of the Energy Information Center is East, along the main access road. Should evacuation along this route be inadvisable, other access routes are available.



Alternate). This will avoid excessive congestion in the Plant access and establish a man-power pool available to augment plant personnel as required.

12.3.11.3

Protective Clothing and Respiratory Equipment

Personnel remaining on-site after the sounding of the Nuclear Emergency Alarm will be required to assemble in an area that is free from ionizing radiation and contamination or presents the minimum exposure to personnel engaged in emergency operations. Normally this area will be the Operations Support Area (OSA) located in the basement/shelter area of the office building. However, this area is not intended to be "fixed" and may be re-located to other areas of the Plant that will permit for the orderly progression of work to restore the Plant/Unit to operational status. Any area that is used as an OSA shall be approved by the Plant Manager (or Alternate) after the Radiation Protection Department has surveyed the area if necessary and found it to be acceptable.

Public Health and provide the required data for review at least 24 hours in advance of release of these areas to the public.

Personnel evacuated from on-site will be decontaminated as required by the Plant Radiation Protection Manual and Emergency Plan Procedures. If necessary and where possible suitable protective clothing will be used during the exacuation.

This decontamination facility has adequate water for both shower and wash basin as well as deluge capabilities with a hose connection at the wash basin. All floor and sink drains in the adjoining areas drain either into the Laundry and Hot shower drain tank or other contaminated liquid tanks for complete control of potentially contaminated wastes.

The Operations Support Area facilities include a change room and a shower. This area is well shielded from any high level accident source. These facilities are located in the basement of the office building and service building areas. It is not intended to be used except under emergency conditions and is located distant from any area concerned with operations and/ or relating to radioactivity or radioactive hazards. It is also directly accessible from all office and service building areas.

A First Aid room is located on the main floor of the office building. Located in this room are a lavatory and stool and other equipment for essentially all first aid emergencies. This room is not to be used for decontamination

will be effective implementation of the Plant's emergency response plan and participating response organization plans to a simulated event and the manner in which all agencies, public and private, interface their plans to assure that the public health and safety is protected.

The Institute of Nuclear Power Operations (INPO) will be notified of Emergency Plan exercises and are invited to send an observer to evaluate and critique the annual exercise, in conjunction with Federal and State evaluators.

1

The Plant Training Program is the responsibility of the Plant Manager with the Radiation Protection Supervisor having the responsibility for the coordination and direction of the appropriate portions of the program associated with the Hospital Assistance Plan.

The AEP Emergency Response Organization Training Program is the responsibility of the AEPSC - Assistant Division Manager - Nuclear Operations/ Consulting Nuclear Engineer.

1

2

A training program for plant personnel has been established with the following objectives.

9. Communications Drills

Communication links with the NRC is tested on a daily basis via routine calls via the Emergency Notification System.

Communication links between the Plant and Berrien County Sheriff's Department, Michigan State Police and the Michigan Department of Public Health have been established and are tested at a minimum on a monthly basis.

1

Communications links between Plant and DOE's Regional Coordinating Office, [Radiological Assistance (RAP/IRAP)], are tested quarterly with the provision to determine if RAP/IRAP program changes have taken place and to review the capability of DOE to provide response measures. Communications with field assessment teams will be tested at least annually to ensure an understanding of the content of the messages in the drills.

1

10. Health Physics Drills

Health Physics drills shall be limited to events involving the response to and a description of the analysis utilized in determining airborne and liquid samples concentrations. Where practical actual samples will be taken

1

and analyzed. These drills will normally  
be conducted quarterly.

1

11. Off Hours Shift Augmentation Drills

Off hours shift augmentation drills ensure that the goals of Table 12-1 herein are being met. These drills are to be conducted semi-annually and one drill per calendar year may be tested by ensuring that communications are established and using the average time that an individual required in travel time to the plant, will meet the goals established herein. Credit can be taken for normal shift personnel above that indicated for "On-Shift" to meet the "Capability for Addition" goals.

12. Plant Security

The Plant Security Guard force is considered the Emergency Security Team. All action required during emergencies are included in the initial security guard training.

2

13. Repair and Damage Control

Procedures for the training and organization of the Repair and Damage Control teams are being developed.

2

12.3.15.2 Scenarios For Integrated Exercises

Scenarios furnished by the NRC, FEMA or INPO may

1

be used to test the emergency plan. Each scenario furnished shall be reviewed prior to actual exercise to ensure it conforms to D. C. Cook plans and procedures and the inherent design of the Cook Plant. Changes to the exercise scenario shall be made and the NRC, FEMA, State, County and other support agencies notified of changes affecting their response capabilities.

In the event that NRC scenarios are not available, a scenario shall be jointly developed by appropriate response agencies participating in the exercise and shall include:

- a. Basic objective (s) of the exercise
- b. Date, time and place and participating response agencies
- c. Extent to which participating agencies will respond
- d. Simulated events which may include off-site radiological releases
- e. Narrative summary describing the conduct of the exercise
- f. Arrangements for qualified observers
- g. Criteria evaluation (Controller Evaluator observation check sheets)

1

1

After the exercise, a critique shall be conducted and a formal evaluation with "lessons learned" shall be prepared and submitted to the Plant Manager and AEP Emergency Response Organization for review and action to upgrade those areas where deficiencies were noted. Included in the critique will be comments or observations of off-site participants that reflect upon the DCCNP conduct of operations regarding emergency planning. Review of the evaluations and critiques shall be reviewed during the audit of the emergency plan to ensure that the required corrective action has been taken on noted deficiencies.



12.3.16.1 Emergency Plans Administration Responsibility

The training of individuals in the Donald C. Cook Emergency Response Organization in the Emergency Plan shall be the responsibility of the Plant Manager. Training of individuals in the AEP-Emergency Response Organization shall be the responsibility of the AEP Assistant Division Manager - Nuclear Operations/ Consulting Nuclear Engineer.

2

The AEPSC Vice President - Nuclear Engineering shall have overall authority and responsibility for radiological emergency response planning, In this effort he has the authority to delegate responsibility in the planning effort to enhance the overall readiness and ensure that the plan is updated as necessary. Normally plan updating and review and the review and coordination of off-site plans will be the responsibility of the Assistant Division Manager - Nuclear Operations/ Consulting Nuclear Engineer. He shall be designated as the Nuclear Emergency Planning Coordinator. However, this assignment may be revised as the needs dictate.

1

2

12.3.16.2 Periodic Reviews Updates and Audits

The responsibilities of the individuals, groups and agencies and the emergency procedures to be followed during an emergency condition are



reviewed and updated at a minimum on an annual basis and will take into account changes identified by drills and exercises. These reviews and updates are the responsibility of assigned individuals and are approved by the Plant Nuclear Safety Review Committee. All reviews shall be documented.

1

The Assistant Division Manager - Nuclear Operations/ Consulting Nuclear Engineer shall be sent copies of changes.

2

Approved Emergency Plan revisions and/or applicable procedural changes will be promptly forwarded to appropriate off-site emergency support organizations.

All written agreements with off-site support groups are reviewed and updated on a two year basis. Changes to the Emergency Plan shall be dated and marked to show where changes have been made. Changes to the Plant's Emergency Plan Procedures shall be made in accordance with plant practice for revising procedures.

1

Audits of the Facility Emergency Plan and implementing procedures are performed at least once per 12 months as delineated in 10 CFR 50.54(t) under the cognizance of the AEPSC-Nuclear Safety Design Review Committee (NSDRC). This audit may

1

APPENDIX A

Plant Emergency Plan Procedures

## APPENDIX B

The AEP Emergency Procedures will be incorporated into a single document entitled the AEP Emergency Response Manual. This manual will contain subsections which provide the procedures outlining the job functions and responsibilities of each AEP-ERO manager designated on the organization chart Figure 12.3-4 as well as identification of the specific individuals who fill position in the AEP-ERO by title.

### AEP General Procedure 1.3

AEP Emergency Response Organization Emergency Preparedness  
Procedure

### AEP General Procedure 1.4

Activation and Operation of the Engineering EOF (N.Y.)

1

### AEP General Procedure 1.5

Activation and Operation of the EOF

### AEPSC Procedures

Nuclear Engineering Division Procedure 24 - Nuclear  
Engineering Division Response

Note: The above procedures will be revised to reflect AEPSC's  
move to Columbus, Ohio.

2

## APPENDIX C

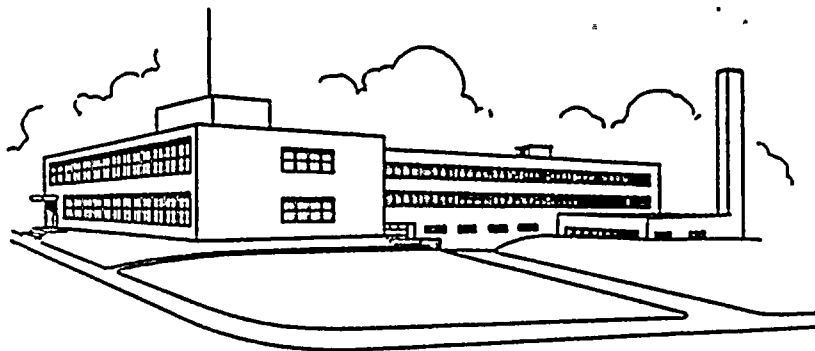
### Agreements With Off-Site Support Agencies

1. Sheriff Department, Berrien County, Michigan
2. Department of State Police, State of Michigan
3. Memorial Hospital, St. Joseph, Michigan
4. U. S. Department of Energy
5. Lake Township Fire Department
6. City of Bridgman Fire Department
7. Mercy Hospital, Benton Harbor, Michigan
8. Michigan Department of Public Health
9. U. S. Coast Guard
10. Voluntary Assistance Agreement for Electric Utilities  
Involved in Transportation Accidents
11. Consumers Power Reciprocal Laboratory Use Agreement
12. Medic 1 Community Emergency Service

1

2

Island 15 — 8  
SHERIFF DEPARTMENT — BERRIEN COUNTY — MICHIGAN



FORREST L. JEWELL  
SHERIFF

EDWARD R. SANDERA  
UNDERSHERIFF

DONALD E. JEWELL  
CHIEF DEPUTY

JAN 27 1982  
DONALD C. COOK PLANT  
MICHIGAN

ST. JOSEPH, MICHIGAN 49085

TELEPHONE: 983-7141

January 20, 1982

Mr. W. G. Smith, Plant Manager  
Indiana & Michigan Power Company  
Donald C. Cook Nuclear Plant  
P.O. Box 458  
Bridgman, MI 49106

Dear Mr. Smith:

This letter will confirm the policy of the Berrien County Sheriff's Department, as the County law enforcement agency, in responding to requests for assistance in the event of a security problem at the Donald C. Cook Nuclear Plant.

Upon notification from the Plant Manager, Security Chief or alternate that a threat against the facility exists and assistance is necessary, the Berrien County Sheriff's Department will respond with personnel and equipment to provide the needed support for the plant security personnel.

Sincerely,

*Forrest L. Jewell*  
Forrest L. Jewell, Sheriff

/jc

STATE OF MICHIGAN



WILLIAM G. MILLIKEN, GOVERNOR  
**DEPARTMENT OF STATE POLICE**  
COL. GERALD L. HOUGH, DIRECTOR

EMERGENCY SERVICES DIVISION  
SECOND FLOOR  
111 S. CAPITOL AVENUE  
LANSING, MICHIGAN 48913

December 22, 1981

Mr. Roland Begor  
Staff Assistant  
Donald C. Cook Nuclear  
Power Plant  
P.O. Box 458  
Bridgman, Michigan 49106

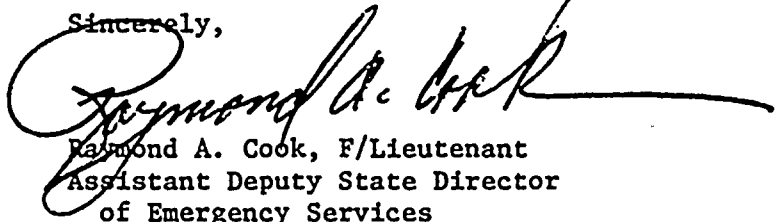
Dear Roland:

This is in response to your recent request for updating the letter of agreement pursuant to NUREG-0654, Evaluation Criteria A.3.

We have taken the position that such written agreements between the state and respective nuclear power companies are not necessary in accordance with the option provided in the above evaluation criteria.

Consumers Power Company is proposing to include the attached statements to their emergency plan, in lieu of letters of agreement. The statements conform without interpretation of this requirement and may be applicable for your plan.

Sincerely,



Raymond A. Cook, F/Lieutenant  
Assistant Deputy State Director  
of Emergency Services

RAC/el

Attachments



DRAFT

The State of Michigan will provide its emergency resources to support a coordinate response to a nuclear accident at the Midland Nuclear Power Plant pursuant to Act 390, P.A. 1976. The extent of this response is detailed in the Michigan Emergency Preparedness Plan, Appendix 1, Nuclear Accident Procedures and authorized by the signature of the Governor of the State of Michigan.

# MEMORIAL HOSPITAL

2611 Morton Avenue  
Saint Joseph, Michigan 49085

Joseph A. Wasserman  
Executive Vice President

Area Code 616  
983-8302

January 8, 1982

Mr. W. G. Smith, Jr.  
Donald C. Cook Nuclear Plant  
Bridgman, MI: 49106

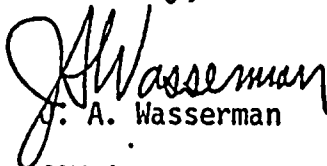
Dear Mr. Smith:

This letter will serve to confirm the fact that Memorial Hospital has established a working arrangement with the Donald C. Cook Nuclear Plant at Bridgman, Michigan, to provide hospital services to persons involved in radiation accidents in connection with the operation of the plant.

We have developed a system for receiving patients in an isolated area of the hospital. Also, the necessary hospital personnel will have been trained in the specific methods of treating patients contaminated with radioactive materials. Retraining will be done at frequent intervals.

The staff of the plant has been most cooperative and we look forward to a long and mutually satisfactory relationship.

Sincerely,

  
J. A. Wasserman

JAW:ja

cc: Roland Begor ✓

# MERCY HOSPITAL

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BENTON HARBOR, MICHIGAN 49022

January 8, 1982

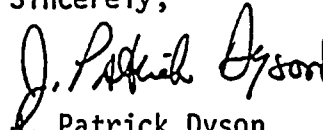
W. G. Smith, Jr.  
Plant Manager  
Donald C. Cook Nuclear Plant  
Bridgman, MI 49106

Dear Mr. Smith:

This letter is to advise you that Mercy Hospital stands ready to provide whatever services we presently have available in the event of an accident involving the Donald C. Cook Nuclear Plant. Specifically, our services and facilities are available to treat patients who may be contaminated with radioactive materials.

Please advise me if I can be of any further assistance.

Sincerely,



J. Patrick Dyson  
Executive Vice President

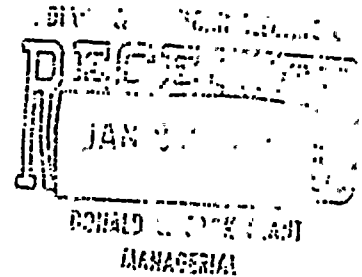
JPD:bb

cc: Roland Begor



Department of Energy  
Chicago Operations Office  
9800 South Cass Avenue  
Argonne, Illinois 60439

*Richard Boyer*



JAN 20 1982

Mr. W. G. Smith, *JS*  
Plant Manager  
D. C. Cook Nuclear Plant  
P.O. Box 458  
Bridgman, Michigan 49106

Dear Mr. Smith:

The U. S. Department of Energy (DOE) will respond to requests for radiological assistance from licensees, Federal, State, and local agencies, private organizations, or individuals involved in or cognizant of an incident believed to involve source, byproduct, or special nuclear material as defined by the Atomic Energy Act of 1954, as amended, or other ionizing radiation sources.

Unless DOE or a DOE contractor is responsible for the activity, ionizing radiation source, or radioactive material involved in an incident, DOE radiological assistance will be limited to advice and emergency action essential for the control of the immediate hazards to health and safety. Radiological emergency assistance will be terminated as soon as the emergency situation is under control. Therefore, responsibility for postincident recovery, including further action for the protection of individuals and the public health and safety, should be assumed by the appropriate responsible Federal, State, or local government, or private authority as soon as the emergency conditions are stabilized.

If we can be of further assistance, please feel free to contact us.

Sincerely,

*Robert H. Bauer*  
Robert H. Bauer  
Manager

cc: Director, OOS, HQ  
U.S. Nuclear Regulatory Commission, Office of  
Inspection and Enforcement, Region III

# CITY OF BRIDGMAN

FIRE DEPARTMENT


4234 Vine. Street  
Bridgman, Michigan 49106

JAN 9 1982

Too; MR. W.G. SMITH JR.

THIS IS TO INFORM YOU THE BRIDGMAN FIRE DEPT. WILL RESPOND  
TO ANY FIRES OR ANY OTHER EMERGENCY THAT MAY OCCUR.  
TELEPHONE 465-5555

JACK MABRY, CHIEF

A handwritten signature in cursive script that reads "Jack Mabry". The signature is written in dark ink and is positioned below the printed name "JACK MABRY, CHIEF".

# CITY OF BRIDGMAN

## FIRE DEPARTMENT

4234 Vine Street  
Bridgman, Michigan 49106

JAN. 9 1982

### FIREFIGHTERS FOR THE CITY OF BRIDGMAN

#### OFFICERS

JACK MABRY CHIEF  
WILLIAM BIYD ASST. CHIEF  
JEROME BRINCKS CAPT.  
DAN SHEPHERD LT.  
CHARLES VAN HELLEN ENG.  
ROBERT LISKEY SEC. & TREA.

#### FIREFIGHTERS

ALLAN BARKER  
DOUG BARKER  
DENNIS BARNES  
JIM CATANIA  
GERALD KELLER  
DOUG MILLER  
RUSS STINE  
WILLIAM SKIBA  
WILLIAM BOYD JR.  
RICHARD FUDOR

*Jack Mabry Chief*

EUST

# CITY OF BRIDGMAN

FIRE DEPARTMENT

4234 Vine Street  
Bridgman, Michigan 49106

1983

TO: ~~W. G. Smith Jr.~~  
FROM: Jack Mabry CHIEF  
DATE: August 2, 1983  
SUBJECT: Response Commitment

The Bridgman Fire Department will respond to the Donald C. Cook Nuclear Plant when notified that a fire or emergency exists.

We will also respond to any situation that may endanger life, property, etc.

Our department has an 18 man crew. Our equipment consists of 2 fire pumpers and 1 55' aerial ladder truck. This equipment is available for all calls.

*Jack Mabry Chief*

mas/JM

STATE OF MICHIGAN



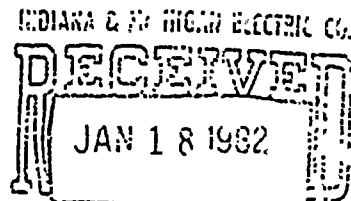
WILLIAM G. MILLIKEN, Governor

DEPARTMENT OF PUBLIC HEALTH

3500 N. LOGAN

P.O. BOX 30035, LANSING, MICHIGAN 48909

Bailus Walker, Jr., Ph.D., M.P.H.  
Director



DONALD C. COOK PLANT  
MANAGERIAL

*Roland B*

January 7, 1982

Mr. D. V. Shaller  
Plant Manager  
D. C. Cook Nuclear Plant  
Bridgman, Michigan 48106

Dear Mr. Shaller:

In response to the January 7, 1982 telephone request by Mr. Roland Begor, D. C. Cook Plant, this letter confirms that the Michigan Department of Public Health will respond to a nuclear incident at the Donald C. Cook Nuclear Plant in accordance with the Michigan Emergency Preparedness Plan and the classification and notification criteria of the Peacetime Nuclear Incident Rules and associated Interpretive Statement provided to you with my letter of December 28, 1981.

Appropriate emergency telephone numbers are as follows:

During working hours (8AM - 5PM, Monday - Friday) (517) 373-1578  
During off hours use the telephone number of the nearest  
State Police post.

Thank you for your cooperation in our effort to adequately protect the public health and safety in the event of a major nuclear incident at D. C. Cook Plant.

Sincerely,

A handwritten signature in dark ink, appearing to read "Bailus Walker, Jr.", written in a cursive style.

Bailus Walker, Jr., Ph.D., M.P.H.  
Director



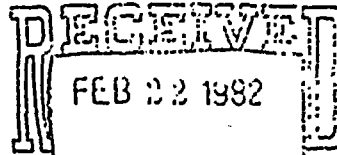


*Deland B*

MAR 3 1982

DEPARTMENT OF TRANSPORTATION  
UNITED STATES COAST GUARD

INDIANAPOLIS ELECTRIC CO.



DONALD C. COOK PLANT  
MANAGERIAL

Address reply to:  
COMMANDER (mps)  
Ninth Coast Guard District  
1240 East 9th St.  
Cleveland, Ohio 44199  
(216) 522-3918

16000

17 February 1982

Mr. W. G. Smith  
Plant Manager  
DC Cook Nuclear Plant  
P. O. Box 458  
Bridgman, MI 49106

Dear Mr. Smith

This is in reply to your letter dated 10 February 1982, concerning response by the U. S. Coast Guard during an emergency situation at DC Cook Nuclear Plant.

Upon notification of any emergency affecting water borne activities, the Coast Guard will respond in an appropriate manner consistent with their current operation. Such action may include:

- a. The issuance of a Broadcast Notice to Mariners, warning all vessels of the danger in the area;
- b. Establishment of a Safety Zone for the affected area.

In the event of an emergency, Captain of the Port Muskegon will be the coordinating authority and should be contacted directly by telephone at (616) 759-0951.

If additional support is needed, notification may be made to the Ninth Coast Guard District Response Coordination Center in Cleveland at the 24 hour emergency telephone number (216) 522-3984.

It should be understood that Coast Guard support in this matter will be basic in that our knowledge and expertise in this area is limited.

Sincerely,

*J. P. Foley*  
J. P. FOLEY  
Commander, U. S. Coast Guard  
Chief, Port Safety Branch  
By direction of Commander,  
Ninth Coast Guard District

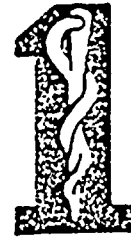
Copy: COTP MUSKEGON  
O'CCGDNINE (o)



It's a law we  
can live with.

AUG 21 1982

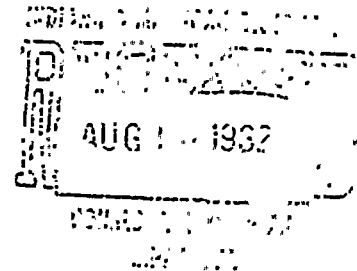
MEDIC



COMMUNITY EMERGENCY SERVICE

August 17, 1982

W.G. Smith Jr.  
Donald C. Cook Nuclear Plant  
P.O. Box 458  
Bridgman, Michigan 49106



Dear Mr. Smith:

This letter is being sent in response to the request of Mr. Roland Begor. I would like to take this opportunity to state that we will act as a back-up ambulance service to the Donald C. Cook Nuclear Plant.

As you are aware, the Lake Township Ambulance Service is your primary response service. In the event of a situation which Lake Township cannot handle alone, we will provide ambulance service to your facility, if we have an available unit. We will continue to provide this service during the emergency situation as long as we do not have emergency calls in our own area which must be handled.

I hope this letter meets your requirements.

Sincerely,

*William M. Gebhard*  
William M. Gebhard  
Manager

WMG/rj

cc/Mr. Roland Begor

ROSTER OF THE SIGNATORIES OF THE TRANSPORTATION AGREEMENT

1. Alabama Power Company
2. Arkansas Power & Light -
3. Cincinnati Gas & Electric
4. Cleveland Electric Illuminating Company
5. Commonwealth Edison
6. Consumers Power Company
7. Detroit Edison Company
8. Duke Power Company
- \* 9. Duquesne Light Company
10. Florida Power & Light Company
11. Gulf States Utilities Company
12. Illinois Power Company
13. Indiana & Michigan Electric Company
14. Iowa Electric Light & Power Company
15. Jersey Central Power & Light Company
16. Kansas Gas & Electric Company
17. Long Island Lighting Company
18. Maine Yankee Atomic Power Company
19. Metropolitan Edison
20. Mississippi Power & Light Company
21. Niagara Mohawk Power Corporation
22. Northeast Utilities
23. Northern States Power Company

\* New Members

24. Pacific Gas & Electric Company
25. Pennsylvania Power & Light
26. Philadelphia Electric Company
27. Portland General Electric Company
28. Public Service Company of Colorado
29. Public Service Company of Indiana
30. Rochester Gas & Electric Corporation
31. South Carolina Electric & Gas Company
32. Southern California Edison Company
33. Tennessee Valley Authority
34. Texas Utilities Generating Company
35. Toledo Edison Company
36. Union Electric Company
37. Vermont Yankee Nuclear Power Company
38. Virginia Electric and Power Company
39. Washington Public Power Supply System
40. Wisconsin Electric Power Company
41. Wisconsin Public Service Company
42. Yankee Atomic Power Company

RECIPROCAL LABORATORY

USE AGREEMENT

THIS AGREEMENT, made as of the 28th day of February, 1983, by and between INDIANA & MICHIGAN ELECTRIC COMPANY, an Indiana corporation (hereinafter called "I&M") and CONSUMERS POWER COMPANY, a Michigan corporation (hereinafter called "Consumers Power"),

W I T N E S S E T H

T H A T

WHEREAS, I&M and Consumers Power have chemical and radio-chemical analytical laboratories at their Donald C. Cook Nuclear Plant (DCCNP) and Palisades Nuclear Plant, (PNP), respectively, which laboratory facilities are suitable for performing chemical analyses following a nuclear related accident (NRA), and

WHEREAS, I&M and Consumers Power each desire to provide the temporary use of their respective existing laboratory facilities and personnel to perform chemical analyses for the other in the event the other has lost use of its laboratory facilities due to a NRA.

NOW, THEREFORE, the parties hereto do hereby mutually agree as follows:

1. In the event either party hereto is unable to use its laboratory facilities due to a NRA, the other party agrees to temporarily use its existing laboratory facilities and personnel, to the extent practical, to analyze, without charge, samples delivered to it by the party which suffered the NRA. Each party agrees, in connection with such sampling handling and analyses, to comply with the requirements of NUREG-0578 and NUREG-0737 and such other requirements as may be specified by the Nuclear Regulatory Commission in regard to post accident sample analysis. Detailed procedures for sample transport, handling and analysis will be developed by mutual agreement, in writing, of Consumers Power's Chemistry and Health Physics Superintendent at the PNP and I&M's Technical Department Superintendent at Donald C. Cook Nuclear Plant.

2. Each party agrees, in performing analyses for the other, to provide a high standard of professional service, provided, however, that neither party shall have any obligation or liability for damages, including, but not limited to, consequential damages, arising out of or in connection with the other's use of, or reliance on, the results of such analyses.

3. If, at any time, either party anticipates the temporary unavailability of its laboratory facilities or personnel for any reason or such facilities or personnel are rendered unavailable due to an accident or act of God, such party shall promptly notify the other party of the anticipated or actual unavailability of such facilities or personnel and the expected duration thereof in order that the other party may make other suitable temporary arrangements for analyses, the expenses of which arrangements shall be borne by the party making the arrangements. Neither party shall have any obligation or liability of any kind, arising out of or in connection with, the unavailability of its facilities or personnel as provided in this Section 3.

4. This agreement shall be effective on the date hereof and shall continue until terminated as hereinafter set forth. Either party hereto may terminate this agreement at any time hereafter upon sixty (60) days written notice of such termination to the other party.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands the day and year first above written.

APPROVED AS TO FORM

HEC  
CONSUMERS POWER COMPANY  
LEGAL DEPARTMENT

INDIANA & MICHIGAN ELECTRIC COMPANY

By [Signature]  
R. S. Hunter - Vice President

CONSUMERS POWER COMPANY

By [Signature]

OK  
WJX

gkm  
np+1