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September 26, 2000

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555-0001

Subject: Duke Energy Corporation
Catawba Nuclear Station Units 1 and 2
Docket Nos. 50-413 and 50-414
Emergency Plan Implementing Procedures

Please find enclosed for NRC Staff use and review the following
Emergency Plan Implementing Procedure:

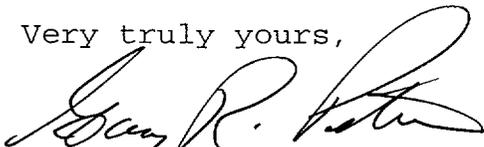
HP/0/B/1009/016, Distribution of Potassium Iodide Tablets in
the Event of a Radioiodine Release (Rev. 011)

This revision is being submitted in accordance with 10CFR
50.54(q) and does not decrease the effectiveness of the
Emergency Plan Implementing Procedures or the Emergency Plan.

By copy of this letter, two copies of the above documents are
being provided to the NRC, Region II.

If there are any questions, please call Tom Beadle at 803-831-
4027.

Very truly yours,



Gary R. Peterson

Attachments

A045

U.S. Nuclear Regulatory Commission
September 26, 2000
Page 2

xc (w/attachments):

L. A. Reyes
U.S. Nuclear Regulatory Commission
Regional Administrator, Region II
Atlanta Federal Center
61 Forsyth St., SW, Suite 23T85
Atlanta, GA 30303

(w/o attachments):

C. P. Patel
NRC Senior Project Manager (CNS)
U.S. Nuclear Regulatory Commission
Mail Stop O-8 H12
Washington, DC 20555-0001

D. J. Roberts
Senior Resident Inspector (CNS)
U.S. Nuclear Regulatory Commission
Catawba Nuclear Site

DUKE POWER COMPANY
CATAWBA NUCLEAR STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURES INDEX

VOLUME I

PROCEDURE	TITLE
RP/0/A/5000/001	Classification of Emergency (Rev. 013)
RP/0/A/5000/002	Notification of Unusual Event (Rev. 035)
RP/0/A/5000/003	Alert (Rev. 037)
RP/0/A/5000/004	Site Area Emergency (Rev. 039)
RP/0/A/5000/005	General Emergency (Rev. 039)
RP/0/A/5000/06	Deleted
RP/0/A/5000/006 A	Notifications to States and Counties from the Control Room (Rev. 012)
RP/0/A/5000/006 B	Notifications to States and Counties from the Technical Support Center (Rev. 011)
RP/0/A/5000/006 C	Deleted
RP/0/A/5000/007	Natural Disaster and Earthquake (Rev. 019)
RP/0/A/5000/08	Deleted
RP/0/B/5000/008	Spill Response (Rev. 017)
RP/0/A/5000/009	Collision/Explosion (Rev. 005)
RP/0/A/5000/010	Conducting A Site Assembly or Preparing the Site for an Evacuation (Rev. 013)
RP/0/A/5000/11	Deleted
RP/0/B/5000/12	Deleted
RP/0/B/5000/013	NRC Notification Requirements (Rev. 025)
RP/0/B/5000/14	Deleted
RP/0/A/5000/015	Core Damage Assessment (Rev. 004)
RP/0/B/5000/016	Deleted
RP/0/B/5000/17	Deleted

September 5, 2000

DUKE POWER COMPANY
CATAWBA NUCLEAR STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURES INDEX

VOLUME I

PROCEDURE	TITLE
RP/0/A/5000/018	Emergency Worker Dose Extension (1/15/96)
RP/0/B/5000/019	Deleted
RP/0/A/5000/020	Technical Support Center (TSC) Activation Procedure (Rev. 013)
RP/0/A/5000/021	Deleted
RP/0/B/5000/022	Evacuation Coordinator Procedure (Rev. 003)
RP/0/B/5000/023	Deleted
RP/0/A/5000/024	OSC Activation Procedure (Rev. 007)
RP/0/B/5000/025	Recovery and Reentry Procedure (Rev. 002)
RP/0/B/5000/026	Response to Bomb Threat (Rev. 001)
RP/0/B/5000/028	Communications and Community Relations EnergyQuest Emergency Response Plan (Rev. 001)

September 5, 2000

DUKE POWER COMPANY
CATAWBA NUCLEAR STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURES INDEX

VOLUME II

PROCEDURE	TITLE
HP/0/B/1000/006	Emergency Equipment Functional Check and Inventory (Rev. 053)
HP/0/B/1009/001	Radiation Protection Recovery Plan (Rev. 007)
HP/0/B/1009/003	Radiation Protection Response Following a Primary to Secondary Leak (Rev. 008)
HP/0/B/1009/004	Environmental Monitoring for Emergency Conditions Within the Ten-Mile Radius of CNS (Rev. 027)
HP/0/B/1009/005	Personnel/Vehicle Monitoring for Emergency Conditions (Rev. 016)
HP/0/B/1009/006	Alternative Method for Determining Dose Rate Within the Reactor Building (Rev. 008)
HP/0/B/1009/007	In-Plant Particulate and Iodine Monitoring Under Accident Conditions (Rev. 018)
HP/0/B/1009/008	Contamination Control During Transportation of Contaminated Injured Individuals (Rev. 014)
HP/0/B/1009/009	Guidelines for Accident and Emergency Response (Rev. 038)
HP/0/B/1009/014	Radiation Protection Actions Following an Uncontrolled Release of Radioactive Material (Rev. 008)
HP/0/B/1009/016	Distribution of Potassium Iodide Tablets in the Event of a Radioiodine Release (Rev. 011)
HP/0/B/1009/017	Deleted
HP/1/B/1009/017	Post-Accident Containment Air Sampling System (Rev. 001)
HP/2/B/1009/017	Post-Accident Containment Air Sampling System (Rev. 000)
HP/0/B/1009/018	Deleted
HP/0/B/1009/019	Emergency Radio System Operation, Maintenance and Communication (Rev. 010)
HP/0/B/1009/024	Implementing Procedure for Estimating Food Chain Doses Under Post-Accident Conditions (Rev. 002)

September 5, 2000

DUKE POWER COMPANY
CATAWBA NUCLEAR STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURES INDEX

VOLUME II

PROCEDURE	TITLE
HP/0/B/1009/025	Deleted
HP/0/B/1009/026	On-Shift Offsite Dose Projections (Rev. 002)
SH/0/B/2005/001	Emergency Response Offsite Dose Projections (Rev. 001)
SH/0/B/2005/002	Protocol for the Field Monitoring Coordinator During Emergency Conditions (Rev. 000)
OP/0/A/6200/021	Operating Procedure for Post Accident Liquid Sampling System II+ (Rev. 032)
SR/0/B/2000/001	Standard Procedure for Public Affairs Response to the Emergency Operations Facility (Rev. 002)
SR/0/B/2000/002	Standard Procedure for EOF Commodities and Facilities (Rev. 001)
SR/0/B/2000/003	Activation of the Emergency Operations Facility (Rev. 006)
SR/0/B/2000/004	Notification to States and Counties from the Emergency Operations Facility (Rev. 001)

September 5, 2000

Duke Power Company
PROCEDURE PROCESS RECORD

(1) ID No. HP/0/B/1009/016
Revision No. 011

PREPARATION

- (2) Station Catawba
- (3) Procedure Title Distribution of Potassium Iodide Tablets in the Event of a Radioiodine Release
- (4) Prepared By Douglas V. Basinger Date 8/21/00
- (5) Requires 10CFR50.59 evaluation?
 - Yes (New procedure or revision with major changes)
 - No (Revision with minor changes)
 - No (To incorporate previously approved changes)
- (6) Reviewed By David V. Parsons (QR) Date 8/22/00
 Cross-Disciplinary Review By B R (QR) NA DR Date 8/29/00
 Reactivity Mgmt. Review By _____ (QR) NA DR Date 8/22/00
- (7) Additional Reviews
 Reviewed By _____ Date _____
 Reviewed By _____ Date _____
- (8) Temporary Approval (if necessary)
 By _____ (SRO/QR) Date _____
 By _____ (QR) Date _____
- (9) Approved By Jill Isaacson Date 8/29/00

PERFORMANCE (Compare with Control Copy every 14 calendar days while work is being performed.)

- (10) Compared with Control Copy _____ Date _____
 Compared with Control Copy _____ Date _____
 Compared with Control Copy _____ Date _____
- (11) Date(s) Performed _____
 Work Order Number (WO#) _____

COMPLETION

- (12) Procedure Completion Verification
 - Yes NA Check lists and/or blanks initialed, signed, dated, or filled in NA, as appropriate?
 - Yes NA Listed enclosures attached?
 - Yes NA Data sheets attached, completed, dated, and signed?
 - Yes NA Charts, graphs, etc. attached, dated, identified, and marked?
 - Yes NA Procedure requirements met?
 Verified By _____ Date _____
- (13) Procedure Completion Approved _____ Date _____
- (14) Remarks (Attach additional pages, if necessary.)

Duke Power Company
Catawba Nuclear Station

**Distribution of Potassium Iodide Tablets
in the Event of a Radioiodine Release**

Reference Use

Procedure No.

HP/0/B/1009/016

Revision No.

011

Electronic Reference No.

CN005CVK

Distribution of Potassium Iodide Tablets in the Event of a Radioiodine Release

1. Purpose

This procedure provides information for distribution of Potassium Iodide (KI) tablets to Emergency Response Organization (ERO) personnel in the event of a radioiodine release.

2. References

None

3. Limits and Precautions

None

4. Procedure

NOTE: Staff Support Scientist or designated Qualified Reviewer may authorize operation outside the scope and acceptance criteria stated in this procedure provided the technical basis and impact to existing procedure 10 CFR 50.59 evaluation is clearly documented on applicable paperwork.

- **IF** original 10 CFR 50.59 evaluation is affected, another evaluation must be performed.

4.1 Radiation Protection Manager (RPM) or Designee Actions

NOTE:

- Steps 4.1.1 through 4.1.3 may be performed in any sequence.
- It is **NOT** mandatory for any person to take or ingest KI tablet(s).
- Distribution of KI should be considered when personnel could be exposed to radioiodines for a given period of time that could result in a Committed Dose Equivalent (CDE) Thyroid exposure of ≥ 25 rem based on surveys or sample results.
- Best prophylaxis results are achieved when KI tablets are administered within two hours after exposure; however, administration within 24 hours after exposure will provide some thyroid protection.

- 4.1.1 **IF** determination is made to distribute KI tablets for ingestion by ERO personnel, notify Emergency Coordinator of decision.

4.1.2 Notify affected ERO personnel that KI tablets are to be distributed at any of the following locations:

- Technical Support Center (TSC)
- Operations Support Center (OSC)
- Security PAP
- Newport Evacuation Facility
- Allen Evacuation Facility

4.1.3 Notify Field Monitoring Teams of KI distribution via the EOF or TSC.

4.2 Distribution of KI Tablets

4.2.1 Prior to issue of KI tablets, request individual read manufacturer's instructions.

4.2.2 Enter information as required on Enclosure 5.1 (Potassium Iodide (KI) Tablet Distribution Data Sheet) for each person receiving KI tablets.

WARNING: Persons allergic to iodine should **NOT** receive KI tablets.

4.2.3 **WHEN** distributing KI tablets, ask each recipient about allergies to iodine (e.g., allergic to seafood).

- **IF** recipient claims to be allergic to iodine, do **NOT** provide KI tablets to individual.

NOTE: KI tablets are normally shipped in bottles that have a factory lot number and expiration date stamped on the bottle label.

4.2.4 **IF** manufacturer's expiration date on bottle has been exceeded, discard affected tablets.

4.2.5 **IF** KI tablets are discolored, disfigured, or do **NOT** appear as described per manufacturer's instructions, discard tablets.

4.2.6 Distribute bottle of KI tablets to individual.

4.2.7 Instruct individual to ingest an initial dose of one (1) tablet.

4.2.8 Instruct individual to ingest subsequent doses at a rate of one tablet per 24 hours until notified by RPM.

4.2.9 **WHEN** directed by the RPM, ensure individuals listed on Enclosure 5.1 receive BBA.

4.2.10 Retain Enclosure 5.1 in RP Satellite File.

5. Enclosures

5.1 Potassium Iodide (KI) Tablet Distribution Data Sheet

