GENERAL ELECTRIC

NUCLEAR ENERGY
PRODUCTS DIVISION

WILMINGTON MANUFACTURING
DEPARTMENT

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CASTLE HAYNE ROAD • P. O. BOX 780 • WILMINGTON, N. C. 28402 • (919) 343-5000

February 23, 1982

Mr. G. T. Gibson
U. S. Nuclear Regulatory Commission, Region II
P. O. Box 2203
Atlanta, Georgia 30301

Dear Mr. Gibson:

References: (1) NRC Inspection 82-01
(2) Telecon, Region II and GE-WMD, 2/18/82

In accordance with the request made for additional information pertaining to the Emergency Response Team (Fire Brigade) training, we are forwarding copies of a listing of Emergency Response Team members, the dates they were trained, and a description of each quarters exercises for 1981.

Per Roger Roemmich's request, I am enclosing a listing of all dates pertaining to training, exercises, and drills.

We are available to provide any additional information or to participate in any discussions you deem necessary.

Very truly yours,

GENERAL ELECTRIC COMPANY

Charles M. Vaughan

Charles M. Vaughan, Acting Manager
Licensing & Compliance Audits
M/C J26

CMV:bmw

Enclosures

NSD-I

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EMERGENCY ORGANIZATION RESPONSE ACTIVITIES

1979	09/14	Severe Weather
	10/09	Criticality
	10/11	Criticality
	10/16	Criticality
	10/18	Criticality
	10/25	Criticality
1980	01/07	Criticality
	01/10	Criticality
	02/19	Criticality
	02/20	Criticality (Pad)
	03/11	Criticality
	03/18	Transportation Accident (Env)
	04/17	Criticality
	05/09	Radiological UF_6 Gas Release
	05/13	Criticality
	05/19	Environmental (HCL Spill)
	05/20	Radiological UF_6 Gas Release
	06/09	Criticality (Pad)
	07/10	Criticality
	10/13	Criticality
	11/18	Criticality
	11/22	Criticality
	11/28	Severe Weather
	12/12	Bomb Threat
1981	01/23	Confrontation
	02/06	Transportation
	06/08	Radiological (Gas Release)
	07/15	Environmental (Chemical Hazard Spill)
	09/15	Criticality (Pad)
	10/01	Criticality (3 exercises)
	10/04	Criticality
	10/05	Severe Weather
	11/12	Bomb Threat
1982	02/01	Confrontation

JHB 2/23/82

1981 EMERGENCY RESPONSE TEAM TRAINING

SHIFT	NAME	1st	2nd	3rd	4th
A	B. Roughton	3/3	5/15	(1)	10/14
	J. Hyatt	1/28	6/25	(1)	10/28
	B. Norris	(3)	5/15	(1)	10/28
	S. Piver	1/28	(3)	(1)	10/28
	V. Scarborough	1/28	5/15	(1)	10/14
	B. Wells	1/28	(3)	(1)	10/14
B	H. Atkinson	2/4	6/18	7/16	(3)
	G. Chestnut	2/4	6/18	7/16	10/13
	W. Efird	(3)	6/18	7/16	10/13
	D. Russell	2/4	6/18	7/16	10/13
	J. Sidbury	2/4	6/18	7/16	10/13
	J. Dykes	2/4	6/18	8/21	10/13
C	W. Leeuwenburg	1/13	4/3	8/21	11/17
	P. Costin	(3)	4/3	7/16	11/17
	W. Hux	(3)	12/15	(3)	11/17
	R. McLean	1/13	6/4	8/21	(3)
	C. Allen	(2)	(2)	(2)	(2)
	T. Mix	1/13	4/3	(3)	11/17
	B. Smith	1/13	4/3	7/16	11/17
D	R. Schaeffer	1/20	4/10	8/27	11/19
	T. Bland	1/20	4/10	8/27	11/19
	S. Brittain	1/20	4/10	8/27	11/19
	T. Byrd	1/20	4/10	8/27	11/19
	D. Elderdice	1/20	4/10	8/27	11/19
	D. Rivenbark	1/20	4/10	8/27	11/19
Days	J. Howell	(3)	4/20	(3)	11/20
	B. Alford	1/13	4/10	8/14	10/14
	P. Barnett	1/13	4/10	7/16	10/13
	R. Blake	1/20	4/3	7/16	10/13
	K. Horne	1/13	6/8	8/14	10/13
	L. Howlett	1/13	4/3	7/16	10/28
	C. Korney	1/20	4/3	7/16	11/17
	R. Cole	1/13	4/3	8/14	10/13
	E. McCafferty	1/20	4/10	8/14	11/17
	M. McKoy	1/13	4/3	7/16	10/14
	A. Rivenbark	1/20	4/10	7/16	11/17
	H. Squires	1/20	4/3	8/21	10/14
	W. Horne	1/20	4/3	7/16	10/14
	W. White	1/20	4/3	8/14	10/14
	L. Blake	(4)	4/3	8/14	11/17
	F. Hardin	(5)	(5)	8/14	10/14
	H. Costin	(5)	(5)	7/16	10/28
	A. Greer	(5)	(5)	7/16	10/13

Days Cont'd	1st	2nd	3rd	4th
R. Mason	(5)	(5)	8/14	10/14
W. Denkins	(5)	(5)	8/14	11/17
J. Teachey	(5)	(5)	8/21	11/17

(1) Foreman verified attendance for him and his shift. Does not remember attendance being taken at session.

(2) Transferred out of Emergency Response Team 1st Quarter.

(3) Failed to sign attendance form. Attendance verified by foreman.

(4) Employee transferred to Emergency Response Team at end of first quarter.

(5) Employees transferred to Emergency Response Team at end of second quarter.

TRAINING SUBJECTS

1st Quarter	Fire Fighting Procedures
2nd Quarter	Self Contained Breathing Appartus - Operation, Use & Care
3rd Quarter	Fire Hose - Handling, Use, Care
4th Quarter	Fire Alarm Response - Time of Response Situation, Method of Handling

FIRE FIGHTING PROCEDURES

1. LECTURE - IMPORTANCE OF QUICK RESPONSE

   A. Have employees available that can make this possible.
   B. Have them properly trained to handle the situation.

2. LECTURE - FACTORS INVOLVED

   A. Human life always first priority.
   B. Ventilation.
   C. Salvage.
   D. Locating & extinguishing the fire.
   E. Protecting exposures.

3. LECTURE - TYPES OF FIRES

   A. Structural.
   B. Flammable liquids and gases.
   C. Chemicals and toxic atmospheres.

4. LECTURE AND CLASSROOM DEMONSTRATION - THREE TYPES OF ATTACK

   A. Direct.
   B. Indirect.
   C. Combination.

5. LECTURE - HOW TO CHOOSE PROPER ATTACK

   A. Free burning.
   B. Smoldering.

6. LECTURE - PRINCIPLES OF VENTILATION

7. LECTURE - DANGER OF BACK DRAFT EXPLOSIONS

8. DRILL - TEAM RESPONSE TO POSTULATED SITUATIONS

   A. Fire around acetylene tank.
   B. Trash fire.
   C. Electrical fire.

SELF CONTAINED BREATHING APPARATUS
OPERATION, CARE, USE

I. PURPOSE OF TRAINING

A. To provide selected employees with the knowledge and skills necessary to safely use a Scott Air "Pak".

B. To ensure employees understand that the Scott Air "Pak" is a primary tool to ensure that they have safe air to breathe when entering areas with high airborne radioactive contamination and other toxic contaminants potentially hazardous to health or oxygen deficient atmospheres. This usage may occur during fire fighting, repair work, etc.

C. To develop understanding that Scott Air Paks are only as reliable as men and women who use them. *(Only adequate training can ensure this reliability.)

II. DESCRIPTION OF PARTS

*A. Provides eye, face, and respiratory protection only.

B. To recognize and understand operation of parts: Full face mask, corrugated rubber hose-breathing tube, demand regulator *(pressure demand), air supply cylinder with hose, back plate with harness, by-pass valve (emergency) regulator shut-off valve.

C. Show and test parts - employees develop ability to don and remove Scott Air Paks, and proper methods of testing regulator and entire device prior to entering hazardous area.

III. OPERATION AND DETAILS OF "PAKS"

A. To teach *actual operation of parts previously identified.

B. To explain demand pressure regulator and how air is supplied to face mask.

C. Explain details such as poundage, pressure, etc.

*D. Explain that pressure demand lever must be in the on position when entering a contaminated area and reason for this. (Constant air pressure will ensure no contamination enters mask thus preventing potential health problem.)

IV. EMERGENCY BY-PASS SYSTEM

A. To provide employees skills to cope with emergency situations.

*B. To provide knowledge of which valve to open and which to close in emergency situation.

V. PAK-ALARM OPERATION

A. To provide knowledge of air indicator gauge on top of regulator and its use.

B. To understand purpose of pak-alarm. *(Bell will ring when air supply diminished to 550 lbs. indicating approximately 5 min. air left. User must exit to a safe area immediately to replace air cylinder.)

VI. LIMITATIONS OF DEVICE

A. 30 minutes or less.

B. Cumbersome and uncomfortable.

C. Physical/medical restrictions and stress.

VII. BASIC & CRITICAL USE PRECAUTIONS

A. Back-up rescue team.

B. Safety line or rope.

C. Working as a team in hazardous conditions.

D. What to do if equipment leaks or malfunctions.

VIII. PROPER STORAGE OF AIR PAK

A. To ensure employees underatand the importance of proper storage of air pak.

B. To provide knowledge of correct storage *(new cylinder of air, straps extended, yellow plastic cap placed on face mask connection).

C. To impress upon employees that if stored properly air pak can be donned from carrying case.

IX. DRILL - WEARING AND USE OF EQUIPMENT PHYSICAL STRESS

A. Employee required to perform physical task and communicate while operating the breathing equipment.

X. QUESTIONS FROM EMPLOYEES

* Parts to be emphasized and elaborated on.

FIRE HOSE
HANDLING, USE & CARE

PURPOSE: The intent of this outline is to teach the knowledge skills and the manipulative skills so the Emergency Response Team can under emergency conditions lay and advance hose lines and effectively use the proper fire streams to extinguish fires.

1. LECTURE & DEMONSTRATION - CARE OF HOSE AND RELATED EQUIPMENT.

   A. Outer jacket, acids, abrasions, heat, sharp objects and proper cleaning and storage.
   B. Inner liner, petrolen products dry rotting from improper maintenance.
   C. Coupling dropping on pavement, ways to protect threads.

2. LECTURE - HYDRANTS

   A. Proper maintenance open and close to check for proper ease in turning.
   B. When in use open all the way to prevent undermining hydrant.
   C. Open and close slowly.

3. LECTURE - PROPER WAY TO DRAIN HOSE (WALKING IT OUT)

4. LECTURE & DEMONSTRATION - HOSE ROLLS

   A. Straight roll.
   B. Donut roll.

5. LECTURE & DEMONSTRATION - NOZZLE POSITIONS

   A. Chosen nozzle patterns to suit the conditions.
   B. To widen pattern turn adjustment left,to narrow pattern turn right.

6. LECTURE - ADVANCING HOSE INTO FIRE AREA

   A. Petroleum fires.
   B. Structural fires.
   C. Backing hose crew out of area.

7. DRILL - HOSE HANDLING

   A. Hose connection.
   B. Hose layout.
   C. Hydrant cut on.
   D. Control of nozzle.
   E. Draining of hose.
   F. Storage.

FIRE ALARM RESPONSE TRAINING

1. DRILL - TEST RESPONSE TIME TO FIRE SCENE.

2. LECTURE & DRILL - ON ARRIVAL EMERGENCY RESPONSE TEAM WILL BE GIVEN HYPOTHETICAL FIRE CONDITION TO:

   A. Check method chosen.
   B. Put method into action.

      a. Portable extinguisher, hose line, or whatever conditions that might be needed.

3. CRITIQUE