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ON-SITE FIRST AID ASSISTANCE

1.0 INTRODUCTION AND PURPOSE

1.1 General Industrial Safety and First Aid Practices

General industrial safety and first aid practices adopted for use in conventional plants are in effect at Point Beach Nuclear Plant. Since personal injuries or emergencies may or may not involve radioactivity, the possibility of radioactive contamination of an injured person is addressed throughout this procedure.

1.2 First Aid

The Point Beach organization includes persons experienced in first aid procedures who will be called in the event of injury. The plant is provided with an emergency shower for use with a severely contaminated but less severely injured person, and a complete first aid room equipped with facilities and medical instruments suitable for physical examinations. On-site first aid facilities are further described in Section 4.0 of this procedure.

1.3 Hospital Assistance

EPIP 11.3, "Hospital Assistance," outlines specific procedures to be used in the event of serious personal injury or illness at Point Beach Nuclear Plant. Since the possibility exists that treatment and transportation of a patient may be complicated by radioactive contamination, a fully equipped controlled access treatment room (the nuclear first aid room) has been provided at Two Rivers Community Hospital, Two Rivers, Wisconsin. A list of radiation and contamination control materials in the treatment room is given in EPIP 11.3.

1.4 Emergency Vehicle

An emergency vehicle is available at all times and contains emergency first aid and oxygen breathing equipment (described in Section 4.0). This vehicle is normally parked in the extension building garage. In addition, arrangements have been made for backup assistance by the City of Two Rivers Fire Department emergency vehicle in case of multiple need. This backup ambulance planning is described in EPIP 11.3.

1.5 Plant Personnel Responsibility

It is the responsibility of involved plant personnel to become familiar with this procedure and specifically with instructions with regard to their individual actions required.

1.6 Telephone Contacts

Telephone contacts required by this procedure can be found in Attachment 11.1-1.

2.0 REFERENCES

- 2.1 PBNP 8.8, "Injuries, Accident Reporting, and Industrial Safety."
- 2.2 MeS 76-02, "Procedures for Using Accident Report Forms Related to Accidents at Point Beach Nuclear Plant."
- 2.3 HP 10.2, "Use of Personnel Monitoring Devices During an Emergency."
- 2.4 EPIP 12.2, "Search and Rescue."
- 2.5 EPIP 11.2, "Injured Person's Immediate Care."
- 2.6 EPIP 11.3, "Hospital Assistance."

3.0 DEFINITIONS

The following definitions are used, in addition to Section 2 of the Emergency Plan, to define terms used in this procedure.

3.1 First Aid Representative

An individual certified by the American Red Cross (or an equivalent program) to administer first aid to the injured.

3.2 Personal Injury

An injury which may or may not require professional medical attention and does not involve lost time.

3.3 Disabling Injury

An injury which requires professional medical attention and involves lost time, but would not be a life threatening injury.

3.4 Serious Injury

An injury which requires professional medical attention and could result in a fatality or permanent disability.

3.5 Personal Injury Report, Form 1024

The Wisconsin Electric injury report used to report personal injuries.

3.6 Disabling Injury Report

Same as personal injury report.

3.7 Motor Vehicle Accident Report, Form No. 1020

The Wisconsin Electric report used to report every accident involving Company-owned vehicles or a privately owned car used on Company business.

3.8 Physician's Release to Return to Work, Form No. 2-65

The Wisconsin Electric report which must be filled out by the doctor who treated the injured person.

3.9 First Aid

Immediate and temporary care given the victim of an accident or serious illness until the services of a physician can be obtained.



4.0 ON-SITE FIRST AID ASSISTANCE

4.1 General

On-site medical preparedness programs are the responsibility of the Point Beach Nuclear Flant Industrial Safety Coordinator. First aid training programs are carried out in accordance with Company Medical Department and Company Safety Department requirements and applicable regulatory requirements.

4.2 First Aid Room Location and Equipment

The Point Beach first aid room is located in the extension building on the second level. It is equipped as follows: basic furniture (desk, chairs, table, cabinets); sink; examination table; examination cabinet; examination equipment; scale; first aid supplies including assorted bandages and gauze dressings, tape, splints, bandage scissors, splinter forceps, portable burn kit, and portable first aid kit.

4.2.1 Responsibility

The Company Medical Director is responsible for determining the equipment for the first aid room. The Point Beach Industrial Safety Coordinator is responsible for maintaining the supply inventory.

4.3 Emergency Vehicle Description

A Company-owned vehicle is provided and will be used to transport seriously injured personnel. The vehicle is equipped as follows: stretcher, blanket and pillow; first aid kit; burn kit; oxygen breathing unit.

4.3.1 Responsibility

Specifying emergency vehicle equipment is the responsibility of the Company Medical Director. Maintenance of equipment and supplies is the responsibility of the Point Beach Industrial Safety Coordinator.

4.4 Other On-Site First Aid Provisions

Most first aid supplies are located on the uncontaminated or "clean" side of the plant. If, for emergency reasons, it is necessary to transfer first aid supplies to the controlled area, the unused supplies will be retained in the Health Physics Station for ultimate disposal or release to the "clean" side. Supplies are available at the following locations:

4.4.1 Gatehouse

a. First aid kit

4.4.2 Turbine Building

- a. One stretcher; located south of the control room.
- b. One stretcher located in the Unit 1 truck access at the 8' level.
- c. First aid kit located in the control room.
- d. Burn kit located in the control room.

4.4.3 Switchyard

- a. First aid kit
- b. Burn kit

4.4.4 Unit 1 and Unit 2 Facades

a. Stretcher located on 66' level outside each containment's personnel hatch.

4.4.5 Site Boundary Control Center

- a. First aid kit
- b. Burn kit

4.4.6 Checkpoint Charlie (entrance to controlled area)

- a. First aid kit
- b. Burn kit
- c. Scoop stretcher
- d. Oxygen breathing unit

4.5 General Administrative Responsibilities in Case of Injury (see EPIP 11.2 for procedures)

4.5.1 Employee Responsibilities

- a. Personal Injury and/or Disabling Injury
 - Report injury to supervisor and first aid representative.

- Prepare "Personal Injury Report." If unable to prepare due to nature or extent of injuries, this report will be prepared by a person on behalf of the injured employee.
- 3. Insure that the attending physician receives a "Physician's Release for Return to Work" to complete. If unable to do so due to extent of injuries, this form will be transmitted by a person on behalf of the injured employee. A supply of these forms is available in the emergency vehicle.

b. Vehicle Accide

- 1. Report all vehicle accidents promptly to supervisor.
- Prepare "Motor Vehicle Accident Report." If unable to prepare due to the extent of personal injury, this report will be prepared by a person on behalf of the injured employee.

4.5.2 Employee's Supervisor's Responsibilities

a. Personal Injury and/or Disabling Injury

- Receive, review for completeness, and sign the "Personal Injury Report."
- Indicate safety rule violation, if any, on the "Personal Injury Report."
- 3. Investigate personal injuries that do not result in lost time and make preliminary recommendations on the "Personal Injury Report" for corrective measures which could prevent recurrence of the accident.
- 4. Submit the "Personal Injury Report" to the Point Beach Industrial Safety Coordinator promptly, but not to exceed eight working hours after the accident has occurred.
- and must be reported to the NRC within one hour (EPIP 1.1). A fatality must also be reported to the Point Beach Industrial Safety Coordinator. If the serious injury or fatality is the result of a boiler or pressure vessel failure (refer to PBNP 3.23.2), the State of Wisconsin Department of Industry, Labor and Human Relations must also be notified within 24 hours (see Attachment 11.1-1 for telephone number).

 In the absence of the Group Head, report the personal injury accident or the vehicle accident to the Accident Investigation Committee or the acting Committee Chairman.

b. Vehicle Accident

- Receive, review for completeness and sign the "Motor Vehicle Accident Report."
- Indicate appropriate comments and recommendations on the "Motor Vehicle Accident Report."
- Submit the "Motor Vehicle Accident Report" to the Point Beach Industrial Safety Coordinator promptly, but not to exceed eight working hours after the accident has occurred.

4.5.3 Injured Employee's Group Head's Responsibilities

- a. Report vehicle accidents that are major or serious in nature or result in lost time personal injury to the Accident Investigation Committee Chairman.
- b. Report personal injuries that result in lost time or death and near miss experiences which could have resulted in serious injury to the Accident Investigation Committee Chairman or the acting Committee Chairman.
- c. Report all lost time (disabling) injuries to the Accident Prevention Department, Milwaukee Public Service Building (see Attachment 11.1-1). This will require reporting of the initial day lost and the day the employee returned to work.
- d. Request medical followup, if needed, from the Company Medical Director (see Attachment 11.1-1).
- e. Establish sufficient liaison with the injured to maintain an up-to-date knowledge of his medical status.
- f. Determine any special needs of the injured man's family and advise the Manager - Nuclear Operations.

ATTACHMENT 11.1-1

MEDICAL ASSISTANCE CALL LIST

PBNP Personnel

Plant Ext.

Home

- G. A. Reed, Manager Nuclear Operations
- C. H. Harris, Superintendent Chemistry & Health Physics
- R. S. Bredvad, Health Physicist
- J. V. Moniot, Industrial Safety Coordinator

Health Physics Duty & Call "Beeper"

Chemistry Duty & Call "Beeper"

Hospital Assistance

Emergency Vehicle, Two Rivers Fire Department

Community Hospital, Two Rivers

Doctors' Clinic, Ltd., Two Rivers

University Hospital, Madison; Emergency Room

F. C. Larson, M.D. R. F. Schilling, M.D. R. R. Radtke, Ph. D.

(Health Physicist)

WEPCO

Medical Department

Dr. E. Huston, Medical Director

Accident Prevention Department

State of Wisconsin

Department of Industry, Labor and Human Relations, Safety and Buildings Division, Boiler Section

CONTROL ROOM EMERGENCY PLAN EQUIPMENT INVENTORY CHECKLIST

		Required	On Hand
1.	Dosimeters (0-5000 mR) Dosimeters (0-200 R)	15 4	
2.	Charger	1	
3.	Landsverk dosimeter set		
	a. Dosimeters (0-5000 mR) b. Dosimeters (0-20000 mR) c. Charger	4 8 1	
4.	Burn kit	1	
5.	First aid kit*	2	
6.	Flashlight	1	
7.	Radector III	1	
8.	Bio-Paks	2	
9.	MSA - SCBA	2	
10.	Respirators and air lines	6	
11.	Cloth coveralls	6	77.34
12.	Canvas booties	6 pr.	
13.	Canvas head covers	6	
14.	Eye goggles	6	
15.	Potassium iodine tablets	1	سينت
16.	Potassium iodine tablets use list	1	
17.	Respirators with cartridge	4	
18.	Smears (box) with envelopes	1	

Required	On-Hand
2	
8	
Date	
Date	
	2 8

EMERGENCY PLAN STRETCHER INVENTORY

Location	Item	Inventory (Available)*	Comments
Turbine Bldg., South of Control Room	Stokes (Basket) Stretcher		
Turbine Bldg., Unit 1, 6' Level Truck Access	Stokes (Basket) Stretcher		
Unit 1 Facade, 66' Level	Stokes (Basket) Stretcher		
Unit 2 Facade, 66' Level	Stokes (Basket) Stretcher		
"Checkpoint Charlie"	Scoop Stretcher		
*Inventory shall include check of blankets, pil	lows, straps, ropes.		
Inventory By	Date		
Reviewed By	Date		

EMERGENCY VEHICLE CHECKLIST

		DATE	
		Unsatisfactory	Satisfactory
WEE	KLY INSPECTION		
1.1	Tire pressure (32-35 psi) and tread condition		
1.2	Radiator water level		
1.3	Engine oil level		
1.4	Lights and turn signals		
1.5	Fuel tank level (>3/4 full)		
1.6	Battery charger connected (November through March)		
1.	Oxygen bottle pressure (>1800 psi).		
1.8	Vehicle starts easily		
1.5	Radio operational check		
Exp	lain all unsatisfactory items:		
	(II - 1 - II - II - II - II - II		1 0 1 1
TES	<u>I DRIVE</u> (Weekly November through March;	Monthly April thro	ough October)
Not	e any operational problems:		
-		Designation Figure	

					Unsati	Stactory	Satisfactory
			cer level checked)				
	N		HICLE SHOULD BUTES PRIOR TO				
.0		nance requ ns/defects		submitt	ed for c	orrection	of observed
hec	ked By						
levi	ewed By	Health F	hysics Superv	isor		Date _	

MONTHLY HEALTH PHYSICS INSTRUMENT AND AIR SAMPLER FUNCTIONAL TEST CHECKLIST

DAT	E			

Reference: EPIP 7.5.1 - Routine Check, Maintenance, Calibration and Inventory Schedule of Health Physics Emergency Plan Equipment

EPIP 7.5.2 - Emergency Plan Equipment Routine Checks, Maintenance and Calibration Instructions

SITE BOUNDARY CONTROL CENTER

INSTRUMENTATION

Item No.	Type of Equipment	Serial Number	Check Source Used	Source Check Criteria		Results	
1.	Thyac III		Installed	2,000-3,000	cpm		_ cpm
2.	GSM-5		S-23	18,000	cpm		_ cpm
3.	RM-3C		S-23	33,000	cpm		cpm
4.	PIC-6A		Cs-11	6-10	mR/hr		mR/hr
5.	PIC-6A		Cs-11	6-10	mR/hr		mR/hr
6.	PIC-6A		Cs-11	6-10	mR/hr		mR/hr
7.	PIC-6A		Cs-11	6-10	mR/hr	1	mR/hr
8.	Radector III		Cs-11	2-3	mR/hr		mR/hr
9.	HPI-1010		Cs-11	3-5	mR/hr		mR/hr
10.	Nuclear Chicago		S-23	38,000	cpm		cpm

AIR SAMPLERS

Item		Satisfactory		
No.	Type	Functional Test		
1.	High Volume			
2.	Gasoline Powered			
3.	Battery (12 V DC)			

TECHNICAL SUPPORT CENTER

INSTRUMENTATION

Item No.	Type of Equipment	Serial Number	Check Source Used	Source Check Criteria		Results	
1.	Rad Owl II		Cs-6	2-5	mR/hr		mR/hr
2.	Thyac III		Installed	2,000-3,000	cpm		cpm
3.	VAMP Monitor		Cs-6	5-10	mR/hr		mR/hr

AIR SAMPLERS

Item No.	Type of Equipment	Satisfactory Functional Test
1.	High Volume (115 V AC)	
2.	Low Volume (115 V AC)	
3.	AMS-2	

OPERATIONS SUPPORT CENTER

INSTRUMENTATION

Item No.	Type of Equipment	Serial Number	Check Source Used	Source Check Criteria		Results	
1.	Rad Owl II		Cs-5	2-5	mR/hr		mR/hr
2.	Thyac III		Internal	2,000-3,000	cpm		cpm
3.	VAMP Monitor		Cs-5	5-10	mR/hr	THE STA	mR/hr

AIR SAMPLERS

Item		Satisfactory		
No.	Type of Equipment	Functional Test		
1.	High Volume (115 V AC)			
2.	Low Volume (115 V AC)			

SOUTH GATE

INSTRUMENTATION

Item No.	Type of Equipment	Serial Number	Check Source Used	Sourc Check Criter		Results	
1.	VAMP Monitor		Cs-5	5-10	_ mR/hr		mR/hr
AIR SA	AMPLERS						
Item No.	Type of Equipment		actory onal Test				
1.	Low Volume						
			CONTROL	ROOM			
INSTRU	UMENTATION						
Item No.	Type of Equipment	Serial Number	Check Source Used	Source Check Criter		Results	
1.	Radector III		_ Cs-3	2-3	mR/hr	m	R/hr
			FIRST AII	ROOM			
INSTRU	JMENTATION .						
Item No.	Type of Equipment	Serial Number	Check Source Used	Source Check Criteria		Results	
1.	Thyac III		Internal	2,000-3,000	cpm _	срп	

EMERGENCY VEHICLE

INSTRUMENTATION

No.	Equipment	Number	Used	Criteria		Results	
1.	Thyac III		Internal	2,000-3,000	cpm		cpm
2.	Thyac III		Internal	2,000-3,000	cpm		cpm
3.	Mini-Rad		Cs-3	18-22	mR/hr		mR/hr
4.	Mini-Rad		Cs-3	18-22	mR/hr		mR/hr
Checke	d By				_ Date _		
Review	red Bv				Date		

Health Physics Supervisor

PLANT AND COMPANY EMERGENCY CALL LIST

PBNP PLANT PERSONNEL:

1. Duty & Call Superintendents

and a gara super internation			
Name	Plant Ext.	Home Phone	Time Notified
G. A. Reed, Manager - Nuclear Operations			
J. J. Zach, General Superintendent			
R. E. Link, Supt Eng., Quality & Regulat	ory		
T. J. Koehler, Superintendent - Operations			
Duty & Call Beeper No.			
2. Shift Supervisors			
Name	Plant Ext.	Home Phone	Time Notified
L. J. Kamyszek			
R. D. Mitchell			
I. L. Bleeker			
C. M. Gray			
E. Ziller			
R. J. Mulheron			
3. Chemistry			
Name	Plant Ext.	Home Phone	Time Notified
C. H. Harris, Superintendent - Chemistry & Health Physics			
P. J. Skramstad, Radiochemist			
T. L. Slack, Nuclear Plant Specialist - Chemistry			
R. A. Neustadter, Nuclear Plant Specialist Chemistry			
T. L. Fredrichs, Nuclear Plant Engineer - Radwaste			

4. Health Physics

Name	Plant Ext.	Home Phone	Time Notified
C. Harris, Superintendent - Chemistry & Health Physics			
R. S. Bredvad, Health Physicist			
L. E. Epstein, Health Physics Supervisor			
C. D. Bolle, Health Physics Supervisor			
M. D. Moseman, Nuclear Plant Specialist - Health Physics			
J. V. Moniot, Nuclear Plant Specialist - Health Physics			
E. J. Manos, Nuclear Plant Specialist - Health Physics			
5. <u>Instrument & Control</u>			
Name	Plant Ext.	Home Phone	Time Notified
J. C. Reisenbuechler, I & C Engineer			
A. J. Pohl, Nuclear Plant Engineer			
E. A. LeClair, I & C Supervisor			
6. Maintenance			
<u>Name</u>	Plant Ext.	Home Phone	Time Notified
W. J. Herrman, Superintendent - Maint. & Constr.			
D. A. Magyar, Maintenance Supervisor			
M. E. Crouch, Maintenance Supervisor			
R. O. Gerroll, Maintenance Supervisor			
J. O. Schoenberger, Maintenance Supervisor			
G. Bernhoft, Nuclear Plant Engineer			
T. R. Branam, Nuclear Plant Engineer			

7. Reactor Engineering			
R. L. Harris, Reactor Engineer			
N. L. Pitterle, Nuclear Plant Engineer			
8. Plant Administration and Security			
Name .	Plant Ext.	Home Phone	Time Notified
G. A. Reed, Manager - Nuclear Operations			
J. J. Zach, General Superintendent			
R. Krukowski, Security Supervisor			
J. D. Mielke, Administrative Services Supv.			
D. F. Hart, Administrative Specialist			
F. A. Zeman, Office Supervisor			
9. Fire Brigade Members			
Note: Refer to PBNP Fire Protection Man	nual Call List,	Section FEP 2	.0.
WEPCO COMPANY PERSONNEL:			
1. Company Administraton and Departments			
Name	Company Ext.	Home Phone	Time Notified
C. W. Fay, Director - Nuclear Power Dept. Duty Emergency Support "nager	Beeper No.	d .	
Wisconsin Electric Power Company Medical Department Nuclear Engineering Section Office			
Communications Department	(24 hour media	a line)	
WE Accident Prevention			

2: Nuclear Engineering Section Personnel

Name	Company Ext.	Home Phone	Time Notified
D. K. Porter			
R. A. Newton			
G. D. Frieling			
E. J. Lipke			
S. A. Schellin			
C. W. Krause			***************************************
3. <u>Insurance Personnel</u>			
Name	Company Ext.	Hone Phone	Time Notified
W. J. Dundas, Supt. Insurance & Claims Div.			
W. E. Staum, Alternate			
J. G. Remmel, Alternate			

OFFSITE AGENCY EMERGENCY CALL LIST

FEDERAL AGENCIES:

1. United States	Nuclear Regulat	ory Commissio	n		
Name	Frequency	Telephone Number	Person Notified	Time Notified	Initials
NRC Operations Center NRC Office of	All hours All hours (Ask for	Red Phone			
Inspection and Enforcement, Region III	Duty Officer)				
NRC Resident Inspec	tors: Plan	t Ext. Ho	me		
a. W. G. Guldemon	d				
b. R. L. Hague					
 United States 	Department of E	nergy			
"ame	Frequency	Telephone Number	Person Notified	Time Notified	Initials
Chicago Operations Center, Region V (Radiological	Weekdays (8AM-5PM)		•		
Assistance Team)	All other hours				
3. United States	Coast Guard				
Name	Frequency	Telephone Number	Person Notified	Time Notified	Initials
USCG, Sturgeon Bay	All hours				
USCG, Two Rivers	All hours				

TATE AGENCIES:

1. State of Wisconsin

Name	Frequency	Telephone Number	Person Notified	Time Notified	Initials
Wisconsin Dept. of Health and Social Services, Section of Radiation Pro- tection	Weekdays (9AM-5PM)				
Lawrence J. McDonne Chief Section of Re Protection		Home phone			
Wisconsin Division of Emergency Government	All hours	or NAWAS			
Wisconsin State Patrol	All hours	or NAWAS			
OUNTY AGENCIES:					
1. Manitowoc Cour	nty				
Name	Frequency	Telephone Number	Person Notified	Time Notified	Initials
Manitowoc County Sheriff, County Traffic	All hours	or NAWAS			
2. Kewaunee Count	ty				
Name	Frequency	Telephone Number	Person Notified	Time Notified	Initials
Kewaunee County Dispatcher	All Hours	or MAWAS			
PRIVATE AGENCIES:					
Name	Frequency	Telephone Number	Person Notified	Time Notified	Initials
Kewaunee Nuclear Power Plant	All hours				

RIVATE AGENCIES: (Cont'd)

Name	Frequency	Telephone Number	Person Notified	Time Notified	Initials
Institute of Nuclear Power Operations	All hours				
Westinghouse Electric Corp. Field Serv. Mgr. (R. Kelly) Alternate (R. Grimm)	Office Home Hot Line Office Home Hot Line				
Stone & Webster Engineering Corp.	All hours				
Bechtel Power Corporation	All hours				
FIRE AND MEDICAL AG	ENCIES				
Fire Emergency					
Name	Frequency	Telephone Number	Person Notified	Time Notified	Initials
Two Creeks Fire Department	All hours	(Emergency line)			
2. Medical Assistance					
Name	Frequency	Telephone Number	Person Notified	Time Notified	Initials
Doctors Clinic, Ltd S. Lawrence Kaner, Stephen L. Weld, M.	M.D.				
University Hos- pital, Madison					
Emergency Room	All hours				
Frank C. Larson, M. Robert F. Schilling Pobert R. Radtke, P (Health Physicist)	, M.D. h.D.				

"IRE AND MEDICAL AGENCIES: (Cont'd)

Name	Frequency	Telephone Number	Person Notified	Time Notified	Initials
Two Rivers Emergency Vehicle	All hours				
Community Hos- pital, Two Rivers	All hours				