

<u>CNS OPERATIONS MANUAL</u> ADMINISTRATIVE PROCEDURE 0.33 PERSONNEL SAFETY EQUIPMENT	USE: INFORMATION QUALITY: QAPD RELATED EFFECTIVE: 10/17/08 APPROVAL: ITR-RDM OWNER: MNT SUPT DEPARTMENT: MNT-M
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REV.	DATE	CHANGES
27	4/1/08	Added new First-Aid kit in West Warehouse Extension.
28	10/17/08	Added new ladder station R931 SW near MMS Skid.

1. PURPOSE

1.1 This procedure sets forth policies and methods of implementation for CNS personnel to follow in maintenance and location of personnel safety equipment.

2. REQUIREMENTS

2.1 Preventive Maintenance (PM) Work Orders have been issued for the appropriate equipment.

3. INSTRUCTIONS

3.1 The Personnel Safety Equipment Program shall be maintained by the Mechanical Maintenance Superintendent.

3.1.1 EYE WASH EQUIPMENT

3.1.1.1 There are several types of eye wash stations (permanent piped in stations, plastic gravity fed stations, and portable pressurized units).

3.1.1.2 Identification, location, and type are listed on Attachments 1 and 2.

3.1.1.3 These shall be inspected every 6 months.

3.1.1.4 Equipment for the protection of eyes and face shields can be checked out from the Tool Crib.

3.1.2 SHOWERS

3.1.2.1 The permanent showers located throughout the plant shall be tested quarterly.

3.1.3 FIRST-AID KITS

NOTE – Expiration dates on First-Aid kit supplies will be checked and supplies replaced as needed.

3.1.3.1 Attachment 1 shows the location and contents of the First-Aid kits. These shall be checked quarterly.

3.1.3.2 Supplies for the First-Aid kits are available from the CNS Warehouse.

3.1.4 PROTECTIVE CLOTHING

3.1.4.1 Attachment 2 provides a list of items designated as protective clothing and their location.

3.1.5 LADDER STATIONS

NOTE – Ladder sizes and styles are recommendations, not firm requirements.

3.1.5.1 On a scheduled basis (PM 04916), ladder stations shall be examined for missing ladders (refer to Attachment 3). Any ladders which cannot be found shall be replaced. It is the responsibility of each employee to return the ladders to the proper ladder station and use the ladders where feasible and not climb on plant equipment.

3.1.6 POSTINGS, SIGNS, AND BARRIERS

3.1.6.1 Postings, signs, and barriers are available in the Tool Crib or can be procured by the Tool Crib.

3.1.7 FALL ARREST EQUIPMENT

3.1.7.1 Fall arrest equipment inventory is listed on Attachment 4 and inventoried in conjunction with the ladder station examination.

NOTE – Fall arrest equipment manufactured by DBI/SALA can remain in service as long as a pre-use inspection and a yearly inspection per Procedure 7.2.76 do not identify any damage. The 4 1/2 year service life is not applicable to this manufacturer.

3.1.7.2 If fall arrest equipment is not manufactured by DBI/SALA, ensure the date of first use or the manufacturer date of fall arrest equipment is not > 4 1/2 years. If > 4 1/2 years and not manufactured by DBI/SALA, replace the equipment from spares.

3.1.7.3 Fall arrest equipment is also available from the Tool Crib.

3.1.8 RESCUE TOOL CABINET

- 3.1.8.1 CNS maintains emergency equipment necessary to assist in rescue and re-entry operations. This equipment is located on the 903' level Administration Building near entrance to RCA.
- 3.1.8.2 Equipment inventory is listed in Procedure 5.7.21 and is inventoried by CNS Maintenance personnel (PM 03147).
- 3.1.8.3 The equipment is housed in a locker that is sealed to protect the inventory.
- 3.1.8.4 Locker Seals can be obtained from the Emergency Preparedness Department.

3.1.9 RESPIRATORY EQUIPMENT

- 3.1.9.1 Respiratory equipment is covered by Procedure 9.RESP.1 and is available for industrial as well as radiological safety.

4. RECORDS

- 4.1 This procedure does not generate any quality records.

(Maintenance Plan 800000007964)

TABLE 1 - EYE WASH STATIONS

IDENTIFICATION	LOCATION	TYPE
Fire Pump House	East Room, North of Diesel	Green Plastic
CAS	Battery Room	Green Plastic
161 Switchyard	Battery Room	Green Plastic
345 Switchyard	Battery Room	Green Plastic
East Warehouse	East Warehouse	Portable (2)
Maintenance Work Shop	Weld Shop 2nd Floor	Green Plastic
Weld Shop	Weld Shop	Green Plastic
OWCGG Building	OWCGG Building	Portable
Intake Structure	Near Roll-Up Door	Green Plastic
125/250 Battery Area	Control Building, 903'	Piped In
ARW	ARW Hallway, 903'	Piped In
PMIS Battery Room	PMIS Room, 903'	Piped In
Water Treatment (2)	Water Treatment 903' (2)	Piped In
Chemistry	Radwaste, 918'	Piped In
MPF (2)	North Double Doors, Southeast MPF Area	Piped In
Boiler Room	North Wall	Green Plastic
MTF (1)	North Yard Area	Green Plastic
MPF	Tool Room	Portable
Weld Shop	Tool Room	Portable
TG 903' North	TG 903' North	Portable

(Maintenance Plan 800000007962)

TABLE 2 - FIRST-AID KITS

NOTE – Expiration dates on First-Aid kits supplies will be checked and supplies replaced as needed.

LOCATION
Control Room (24-unit)
Maintenance Shop Office (24-unit)
Electric Shop (24-unit)
Instrument And Control Shop (24-unit)
Guardhouse (24-unit)
Training Facility (24-unit)
Technical Support Building First Floor (next to elevator - 24 units)
Technical Support Building Second Floor (next to elevator - 24 units)
Chemistry Lab (24-unit)
Switchyard (24-unit)
Intake Structure (24-unit)
East Warehouse (24-unit)
West Warehouse (2 ea - 24-unit)
West Warehouse QA Area (2nd floor hallway between bathrooms - 24-unit)
Administration Building 903' (next to elevator - 24-unit)
Administration Building 918' (next to elevator - 24-unit)
Administration Building 932' (next to elevator - 24-unit)

FIRST-AID KITS

The following is a contents listing for each kit:

TABLE 3 - 10-UNIT FIRST-AID KIT

ITEM	NUMBER OF UNITS
Instant Cold Pack (1 per unit)	1*
Adhesive Bandage (16 per unit)	2
Medicated Ointment/or Iodine swabs (6 packets/unit)	1
Triangular Bandage (1 per unit)	2
3" Compress (2 per unit)	1
Sting Kill Wipes (10 per unit)	1
Scissors and Forceps (1 each)	1

*Double Size Unit

TABLE 4 - 24-UNIT FIRST-AID KIT

ITEM	NUMBER OF UNITS
Instant Cold Pack (1 per unit)	1*
Adhesive Bandage (16 per unit)	2
Medicated Ointment/or Iodine swabs (6 packets/unit)	1
Triangular Bandage (1 per unit)	5
Sting Kill Wipes (10 per unit)	1
Scissors and Forceps (1 each)	1
Eyewash Solution (1 per unit)	1
Tecnu: Poison Oak, Ivy, and Creosote	1*
Cleanser (1 per unit)	
Rescue Breather (1 per unit)	1
Disposable Gloves (2 pair per unit)	1
Adhesive Tape (2 rolls per unit)	1
Gauze Bandage (2-2" x 6 yards per unit)	2
Gauze Compress (1-24" x 72" per unit)	1
Gauze Compress (2-18" x 36" per unit)	1

*Double Size Unit

PROTECTIVE CLOTHING

1. WATER TREATMENT SAFETY EQUIPMENT (Maintenance Plan 800000007659) -
Package containing the following:
 - 1.1 Rain suit.
 - 1.2 Rubber boots (one pair, large).
 - 1.3 Rubber gloves.
 - 1.4 Goggles.
 - 1.5 Face shield or hard hat face shield combination.
 - 1.6 Apron.
 - 1.7 50' of garden hose.
2. HOTWORK GLOVES FOR OPERATIONAL EQUIPMENT (LOCATIONS)
 - 2.1 Tool Crib.
 - 2.2 Control Room (two pairs).

(Maintenance Plan 800000007963)

TABLE 1 - SHOWERS

IDENTIFICATION	LOCATION
Chemistry	Radwaste, 918'
PMIS Battery Room	PMIS Battery Room, 903'
MPF Building (2)	MPF by North Double Doors, 903' and Southeast MPF Area
Reactor Building	Reactor Building North, 903'
ARW	ARW Hallway, 903'
Radwaste, 903'	North of Decon Pit (Drum Capping Area)
Sheridan Maintenance Labs	Entry Foyer

ATTACHMENT 3 LADDER STATION LOCATIONS

ATTACHMENT 3 LADDER STATION LOCATIONS

(Maintenance Plan 800000003796)

TABLE 1 - REACTOR BUILDING

STATION NUMBER	RECOMMENDED LADDER SIZE	LOCATION
1	6' and 8' Step	West, 976'
2	8' Step	East, 958'
3	12' Step and 32' Extension	North, 932'
4	6' and 10' Step	West, 903'
5	8' Step and 16' Extension	Northeast Quad, 859'
6	8' Step	Northwest Quad, 881'
7	8' Step and 16' Extension	Northwest Quad, 859'
8	8' Step and 16' Extension	Southwest Quad, 859'
9	8' Step and 16' Extension	Southeast Quad, 859'
10	8' Step	HPCI Room, 859'
11	24' Extension	East, 1001'
12	10' Step	958' H&V Supply Fan Room (Between Louvers and Filter Roll)
13	30' Extension	Permanently in place 859' SW Torus Area
14	Small Platform Ladder on Structural Platform	Located on Structural Platform Accessed from 931' South of REC-HX
15	Small Platform Ladder on Structural Platform	Located on Structural Platform Accessed from 931' in RWCU-HX Room
16	10' Step with Platform	931' SW near MMS Skid

TABLE 2 - TURBINE BUILDING

STATION NUMBER	RECOMMENDED LADDER SIZE	LOCATION
1	32' Extension	South, 882'
3	8' and 12' Step, 20' Extension	North Wall, 882'
4	10' Step and 30' Extension	Condensate Area, 882'
5	16' Straight	Reactor Feed Pump Room, 882'
6	30' Extension	Heater Bay, 909'
7	12' Step	East of Generator, 932'
8	28' Extension	South 903' in RCA
9	6' Step	Vestibule North of Turbine Front Standard, 932'

TABLE 3 - INTAKE STRUCTURE

STATION NUMBER	RECOMMENDED LADDER SIZE	LOCATION
1	4', 6', 12' Step, 32' Extension, 16' Straight	Sea Land West of Intake Structure
2	6' Step	Service Water Pump Room

TABLE 4 - CONTROL BUILDING

STATION NUMBER	RECOMMENDED LADDER SIZE	LOCATION
1	6' and 8' Step	Corridor, 903'
2	8' Step and 16' Straight	West Wall, 882'

TABLE 5 - RADWASTE BUILDING

STATION NUMBER	RECOMMENDED LADDER SIZE	LOCATION
1	8' and 10 Step	Corridor, 903'
2	10' Step and 32' Extension	Northeast Corner, 877'

TABLE 6 - WATER TREATMENT

STATION NUMBER	RECOMMENDED LADDER SIZE	LOCATION
1	8' and 12' Step	South Wall, 903'

TABLE 7 - BOILER ROOM

STATION NUMBER	RECOMMENDED LADDER SIZE	LOCATION
1	8' Step and 32' Extension	South Wall, 903'

TABLE 8 - DIESEL GENERATOR ROOMS

STATION NUMBER	RECOMMENDED LADDER SIZE	LOCATION
1	32' Extension and 6' Step	DG-1 North Wall, 903'
2	32' Extension and 4' Step	DG-2 West Wall, 903'

TABLE 9 - AUGMENTED RADWASTE

STATION NUMBER	RECOMMENDED LADDER SIZE	LOCATION
1	10' Step	USFG Area, 881'
2	10' Step	Truck Bay, 903'

TABLE 10 - FIRE PUMP HOUSE

STATION NUMBER	RECOMMENDED LADDER SIZE	LOCATION
1	12' Step	East Wall 903'6"
2	8' Step	Near MCC FP (In Room)

ATTACHMENT 4 FALL ARREST EQUIPMENT LOCATIONS

ATTACHMENT 4 FALL ARREST EQUIPMENT LOCATIONS

TABLE 1 - REACTOR BUILDING

LADDER STATION NUMBER	FALL ARREST EQUIPMENT	LOCATION
1	Full Body Harness and Lanyard	West, 976'
2	Full Body Harness and Lanyard	East, 958'
3	Full Body Harness and Lanyard	North, 932'
4	Full Body Harness and Lanyard	West, 903'
5	Full Body Harness and Lanyard	Northeast Quad, 859'
7	Full Body Harness and Lanyard	Northwest Quad, 859'
8	Full Body Harness and Lanyard	Southwest Quad, 859'
9	Full Body Harness and Lanyard	Southeast Quad, 859'

TABLE 2 - TURBINE BUILDING

LADDER STATION NUMBER	FALL ARREST EQUIPMENT	LOCATION
1	Full Body Harness and Lanyard	South, 882'
4	Full Body Harness and Lanyard	Condensate Area, 882'

TABLE 3 - INTAKE STRUCTURE

LADDER STATION NUMBER	FALL ARREST EQUIPMENT	LOCATION
1	Full Body Harness and Lanyard	North Wall, 903'

TABLE 4 - CONTROL BUILDING

LADDER STATION NUMBER	FALL ARREST EQUIPMENT	LOCATION
2	Full Body Harness and Lanyard	West Wall, 882'

TABLE 5 - RADWASTE BUILDING

LADDER STATION NUMBER	FALL ARREST EQUIPMENT	LOCATION
1	Full Body Harness and Lanyard	Corridor, 903'
2	Full Body Harness and Lanyard	Northeast Corner 877'

TABLE 6 - BOILER ROOM

LADDER STATION NUMBER	FALL ARREST EQUIPMENT	LOCATION
1	Full Body Harness and Lanyard	South Wall, 903'

1. DISCUSSION

- 1.1 Throughout the plant at various locations, NPPD has provided personnel safety equipment. This procedure provides guidance and instructions for maintaining this safety equipment.
- 1.2 Major safety equipment covered by this program is as follows:
 - 1.2.1 Eye wash equipment.
 - 1.2.2 Showers.
 - 1.2.3 First-Aid kits.
 - 1.2.4 Protective clothing.
 - 1.2.5 Ladder stations.
 - 1.2.6 Postings, signs, and barriers.
 - 1.2.7 Rescue and re-entry equipment.
 - 1.2.8 Respiratory equipment.

2. RESPONSIBILITIES

2.1 INDIVIDUAL RESPONSIBILITIES

- 2.1.1 Employees utilize plant safety equipment; thus, it is the responsibility of each employee to maintain and/or report discrepancies of safety equipment to their Supervisors.Ⓢ

2.2 SUPERVISOR'S RESPONSIBILITIES

- 2.2.1 Supervisory personnel are responsible for the actions of persons who report to or are assigned to them; therefore, each Supervisor has the obligation to communicate and enforce all safety policies and procedures. This includes the maintenance and upkeep of plant safety equipment.Ⓢ
- 2.2.2 Each Supervisor is responsible for replacing damaged safety equipment (that equipment available from Tool Rooms or equipment specific to their trade) used by their subordinates.
- 2.2.3 Mechanical Maintenance Superintendent is responsible for maintaining an adequate supply of safety equipment on hand at all times.

3. REFERENCES

3.1 COMMITMENTS AND OBLIGATIONS MATRIX

COMMITMENTS AND OBLIGATIONS	AFFECTED STEPS
QAPD	None

3.2 CODES AND STANDARDS

- 3.2.1 NPPD Recommended Work Practices.
- 3.2.2 NPPD Safety Program Executive Orders.
- 3.2.3 NPPD Safety Rule Book.

3.3 PROCEDURES

- 3.3.1 Emergency Procedures 5.7.21, Emergency Equipment Inventory.
- 3.3.2 Maintenance Procedure 7.0.2, Preventive Maintenance Program Implementation.
- 3.3.3 Maintenance Procedure 7.2.76, Sling, Fall Protection Harness/Lanyard Examination, Maintenance, and Testing.
- 3.3.4 Rad Protection Procedure 9.RESP.1, Respiratory Protection Program.

3.4 MISCELLANEOUS

- 3.4.1 © 1986 INPO Report, Finding QA 5-1. Affected Steps 2.1.1 and 2.2.1 on Attachment 5.