

FOR INFORMATION ONLY

AmerGen

TMI – Unit 1
Emergency Plan
Implementing Document

Number

TEP-ADM-1300.05

Title

Revision No

Emergency Equipment Readiness

12

Applicability/Scope

Applies to emergency equipment designated for use in implementing the Emergency Plan

USAGE LEVEL

2

Effective Date

03/28/03

This document is within QA plan scope
50.59 Applicable

<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No

List of Effective Pages

<u>Page</u>	<u>Revision</u>	<u>Page</u>	<u>Revision</u>	<u>Page</u>	<u>Revision</u>	<u>Page</u>	<u>Revision</u>
1	12	41	12				
2	12	42	12				
3	12	43	12				
4	12	44	12				
5	12	45	12				
6	12	46	12				
7	12	47	12				
8	12	48	12				
9	12	49	12				
10	12	50	12				
11	12	51	12				
12	12	52	12				
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34	12						
35	12						
36	12						
37	12						
38	12						
39	12						
40	12						

TMI – Unit 1
Emergency Plan
Implementing Document

Number

TEP-ADM-1300.05

Title

Revision No.

Emergency Equipment Readiness

12

DOCUMENT HISTORY

REVISION	EFFECTIVE DATE	DESCRIPTION OF CHANGE	PREPARED BY: REVIEWED BY: APPROVED BY:
0		<ul style="list-style-type: none"> - Update department names and position titles - Add TMI-based Env. Affairs Kit - Add "Expiration Date" for Silver Zeolite cartridges - Correct typographical errors - Add logsheets & procedure to Control Room/Simulator locker - Add Site Protection emergency respirators - Remove reference to EACC dose projection computer. - Change 6410 to TEP to reflect home base change for E.P. - Remove High Range Digital Dosimeters from RC Lab Locker (New PD-3's in routine use have equivalent capability) 	
1	11/11/96	<ul style="list-style-type: none"> - Clarify the quantity of each type of equipment required in each kit/locker. - Change actual quantities required based on experience. - Account for Env. Affairs kits and on-site Rad Controls kits on one common inventory form - Eliminate TSC locker. - Correct titles. 	
2	01/27/97	<ul style="list-style-type: none"> - Eliminate references to the AEOF. - Equip the Training Center to be the primary Remote Assembly Area (RAA). - Equip the EOF to be the alternate RAA 	

TMI – Unit 1
Emergency Plan
Implementing Document

Number

TEP-ADM-1300.05

Title

Revision No

Emergency Equipment Readiness

12

DOCUMENT HISTORY (Cont'd)

REVISION	EFFECTIVE DATE	DESCRIPTION OF CHANGE	PREPARED BY: REVIEWED BY: APPROVED BY:
3	1/19/98	<ul style="list-style-type: none"> - Add requirement to complete inventories 10 days prior to the end of the calendar quarter. - Add provision to allow identical items labeled and sealed in a clear container (e g , a bag or pouch). - Add requirement that tamper seals be of a unique design - Remove the reference to the portable generator. - Correct the reference to the Emergency Plan - Eliminate the requirement to maintain "drill use only" equipment in kits - Revise the requirements for protective clothing in kits and lockers to address changes in protective clothing usage in the plant. - Correct the references to procedures and procedure exhibits on kit and locker inventory forms. - Add a reminder regarding the inventory requirements for the OSC facility and RAC area. - Add an extension cord to the Control Room locker to allow emergency power to be connected to the RAC computer. - Clarify the requirements for quantities of hand cleaner and shampoo in decon lockers. - Add signs and step off pads to decon lockers - Remove requirements for stanchions in the Training Center decon locker. - Add wrist and finger TLDs to the plant Chemistry locker. - Clarify the location of equipment stored at the EOF - Add blanks for "month" and "year" on each page of the attachment for the monthly check of emergency equipment. 	

TMI – Unit 1
Emergency Plan
Implementing Document

Number

TEP-ADM-1300.05

Title

Revision No

Emergency Equipment Readiness

12

DOCUMENT HISTORY (Cont'd)

REVISION	EFFECTIVE DATE	DESCRIPTION OF CHANGE	PREPARED BY: REVIEWED BY: APPROVED BY:
4	10/30/98	<ul style="list-style-type: none"> - Add a column for "calibration due date" for the listing of optional equipment - Clarify the steps for rotating and maintaining batteries for portable radios - Revise, clarify and expand the table for documenting the results of monthly radio tests - Clarify the meaning of "Low Range" and "High Range" in regards to pocket dosimeters on Attachment 1. - Provide a space for recording the revision # for TLD issue forms on Attachment 2. - Add a stapler and staples to the Control Room and Simulator lockers, Attachment 8. - Delete Rad. Eng. Calc's that are now part of the EDCM from Attachment 8 - Correct the title of a sign listed in Attachment 10. - Update equipment list for the Sample Analysis Lab and Sample Transfer Cart, Attachment 11. - Add signs/equipment for personnel decon to the EOF locker, Attachment 13. - List sizes for silicone SCBA facepieces and add silicone SCBA facepieces for the Control Room to Attachment 15 	
5	03/17/99	<ul style="list-style-type: none"> - Add a portable air sampler to the inventory for the Rad Con Lab/Control Point Locker. - Update department/section names and titles. - Change reference to the Emergency Plan to remove references to GPU Nuclear and to Oyster Creek. - Add provisions for the new Environmental And Radiological System (EARS) radios and battery analyzers. - Add space for recording the "CAL DUE DATE" and "S/N" for both teletectors on the Rad Con Lab/Control Point Locker inventory checklist, Attachment 4. 	

TMI – Unit 1
Emergency Plan
Implementing Document

Number

TEP-ADM-1300.05

Title

Revision No.

Emergency Equipment Readiness

12

DOCUMENT HISTORY (Cont'd)

REVISION	EFFECTIVE DATE	DESCRIPTION OF CHANGE	PREPARED BY: REVIEWED BY: APPROVED BY:
6	10/14/99	<ul style="list-style-type: none"> - Add a requirement to "verify that the time from calibration date to the calibration due date is less than 24 months" to part 1, section 1 of the Monthly Check of Emergency Equipment, Attachment 14. - Change part 1, section 3 of the Monthly Check of Emergency Equipment, Attachment 14 to require that Rad Con Field Ops "provide I&C a list of instruments..." rather than "Inform the Rad Inst Shop of instruments..." requiring calibration during the present or next calendar month. - Replace part 1, section 5 of the Monthly Check of Emergency Equipment, Attachment 14 with instructions that take into account the new EARS radios and battery analyzers. Additionally the new instructions clearly delineate between the "required" and "additional" radios/batteries and specify the acceptable entries in the various spaces of the monthly radio/battery test forms. - Change the specification for "normal workday" from "Monday through Friday except holidays" to "Tuesday through Friday except holidays." - Revised the listing of emergency equipment locations. - Clarified the intended meaning of "repair/calibration" in Step 4 1 4 and "Equipment found UNSAT" in the Note on Attachment 14 - Corrected references - Changed the term "Env. Affairs Garage" to "Env. Affairs Boat Garage". - Deleted the reference to vehicle mounted radios. All rad/env monitoring radios are portables. - Eliminated the requirement to store battery analyzers in the P.C., Env. Affairs Boat Garage and EOF. Replaced the battery analyzers with battery chargers. 	

TMI – Unit 1
Emergency Plan
Implementing Document

Number

TEP-ADM-1300.05

Title

Revision No

Emergency Equipment Readiness

12

DOCUMENT HISTORY (Cont'd)

REVISION	EFFECTIVE DATE	DESCRIPTION OF CHANGE	PREPARED BY: REVIEWED BY: APPROVED BY:
7	05/31/00	<ul style="list-style-type: none"> - Added EPIP-TMI-.06 to the list of procedures required for the Control Room/Simulator Lockers, Attachment 8. - Removed the requirement to stock copies of Attachment 13 of EPIP-TMI-.36 in the Personnel/Vehicle Monitoring Kit at the Training Center, Attachment 10. Attachment 13 was eliminated from EPIP-TMI-.36 in a recent revision. - Added a number of items to the Sample Analysis Lab and Sample Transfer Cart inventory, Attachment 11 at Chemistry Dept request - Removed the requirement on Attachment 14 that E520 source check be performed by I&C personnel. - Clarified that the term "normal workday" on Attachment 14 includes the days of the plant's scheduled daylight work week. - Rewrote the Portable Radio Battery Maintenance instructions on Attachment 14 - Replaced references to "Iodine Canisters and Hepa Pre-Filters" with "GMRI Canisters" on Attachment 17. Removed references to "Tear Gas Canisters" also on Attachment 17. The GMRI canister is an "all in one" canister. <p><u>Clarified:</u></p> <ul style="list-style-type: none"> • Respiratory protection equipment inspection requirements • Document retention requirements • Requirements for post-use inventories • Method of protecting kits/lockers from tampering - i.e., kits/lockers are sealed and not locked. <p><u>Reduced</u></p> <ul style="list-style-type: none"> • The number of kits/lockers • The number of kit/locker locations • Monthly equipment check requirements to seal check, radio check and Tech Spec required battery check of portable radiation instruments 	

TMI – Unit 1
Emergency Plan
Implementing Document

Number

TEP-ADM-1300.05

Title

Revision No

Emergency Equipment Readiness

12

DOCUMENT HISTORY (Cont'd)

REVISION	EFFECTIVE DATE	DESCRIPTION OF CHANGE	PREPARED BY: REVIEWED BY: APPROVED BY:
8	10/26/00	<ul style="list-style-type: none"> • Quantity and location of SCBA, SCBA cylinders and neg press. Respirators based on site needs. <u>Combined</u> certain kits and lockers. <u>Revised</u> kit and locker contents based on site needs <u>Added</u> quarterly operational test for battery powered equipment <p>Comply with new procedure utilization guidance in AP 1001G.</p>	
9	11/16/00	<ul style="list-style-type: none"> • Correct requirements for RAC printer supplies • Correct the designation of SCBA kits • Add respirators at Sewage Treatment Plant. 	
10	04/06/01	<ul style="list-style-type: none"> • Replace self reading pocket dosimeters & dosimeter chargers in field monitoring kits with electronic dosimeters • Remove requirements for respirators in field monitoring kits. • Add thyroid blocking agent to the Rad Con Lab locker inventory. • Identify procedure exhibits stored in kits & lockers by both exhibit title and number. • Add EPIP-TMI-.16 to Rad Con Lab locker. 	<p>J. L. Whitehead N. D. Brown</p>
11	11/22/02	<ul style="list-style-type: none"> • Modify requirements for routing and storage of completed inventory, check and inspection forms. • Delete unnecessary equipment (i.e., dosimeter charger, 50 ml centrifuge tubes). • Add blank inventory form to EOF locker. • Correct formatting of attachments • Revise location of Security respirators. 	<p>N D. Brown R. R. Brady</p>

TMI – Unit 1
Emergency Plan
Implementing Document

Number

TEP-ADM-1300.05

Title

Emergency Equipment Readiness

Revision No

12

DOCUMENT HISTORY (Cont'd)

REVISION	EFFECTIVE DATE	DESCRIPTION OF CHANGE	PREPARED BY: REVIEWED BY: APPROVED BY:
12	03/28/03	<p><u>Section 1.1:</u> Inserted reference to EP-MA-124-1001.</p> <p><u>Section 4.0:</u></p> <ul style="list-style-type: none"> • (Step A) Attachment and references were renumbered accordingly. • (Step B) Warehouses #1 & #3 were deleted; title "EOF" was revised to Harrisburg (Commerce Park)/Remote Assembly Area; and attachments/references were renumbered accordingly. <p><u>Section 5.0:</u> Attachments/references were renumbered accordingly.</p> <p><u>Section 6.0:</u> References updated to reflect Standard Plan (EP-AA-1000) and TMI Annex (EP-AA-1009). References were renumbered accordingly.</p> <p><u>Section 7.0 / Exhibits:</u></p> <ul style="list-style-type: none"> • Inventory for Warehouses #1 & #3 (former Attachment 6) were deleted, based on elimination of onsite assembly areas under the Standard Plan. Attachments were renumbered accordingly • Former EOF inventory revised to reflect use as Remote Assembly Area EOF was relocated to Coatesville facility under the Standard Plan. • References to EPIP-TMI procedures/forms replaced with corresponding EP-AA-11X Series procedures/forms, as appropriate. 	<p>J.D. Anderson R.R. Brady, Jr.</p>

TMI – Unit 1
Emergency Plan
Implementing Document

Number

TEP-ADM-1300.05

Title

Revision No

Emergency Equipment Readiness

12

1.0 **PURPOSE**

- 1.1 This procedure delineates the requirements to maintain availability and reliability of emergency equipment, in accordance with EP-MA-124-1001, "Facility Inventories and Equipment Tests".

2.0 **APPLICABILITY/SCOPE**

- 2.1 This procedure applies to the emergency equipment designated for use in implementing the Emergency Plan.

NOTE

Fire fighting emergency equipment used in implementing the Emergency Plan is listed in Fire Protection Procedures, 1104-45A through Q and in procedure 1038. Inventories and operational testing of this equipment is performed under the Operations Surveillance, Technical Specification, and Preventive Maintenance Programs and is beyond the scope of this procedure.

NOTE

Emergency Plan and Implementing Procedure binders issued by Document Controls are not listed in this procedure as they are maintained by the Document Controls Group.

NOTE

The locker in the simulator is provided for drill use only; it is not required by Tech. Specs. Therefore, failure to properly maintain this locker does not constitute a Tech. Spec. violation

3.0 **DEFINITIONS**

- 3.1 None

4 0 PROCEDURE

NOTE

The steps in this section delineate the various requirements related to maintaining the readiness of emergency equipment used to support the emergency plan. The requirements stated in these steps need not be met in the sequence in which they are listed.

A Inspections, Tests and Calibrations

- Emergency kits/lockers shall be inventoried (per Attachments 1 through 10) at least once each calendar quarter and after use during drills, exercises, training or actual emergencies. An inventory performed after use during drills, exercises, training, or actual emergencies may be used to satisfy the quarterly requirement also.
 - ◆ Quarterly inventories should be scheduled such that they can be completed, reviewed and forwarded to Emergency Preparedness at least 10 days prior to the end of the quarter.
- Respiratory protection equipment shall be inspected once each calendar month and after each use per Reference 6.5. Attachments 11 through 13 shall be completed during inspection. A check performed after use of respiratory protection equipment may be used to satisfy the monthly requirements.
- Emergency equipment listed in Attachment 10 shall be checked once each month in accordance with the plant P.M. schedule.
- When removing an instrument for repair/calibration from any emergency equipment storage location, an alternate equivalent instrument shall be provided as soon as possible but prior to the end of the shift.
- Calibrations of emergency instrumentation shall be performed in accordance with Reference 6.6.
- Emergency lockers/kits shall be visually inspected for seal integrity monthly. Lockers or kits with suspect integrity shall be inventoried.

NOTE

Seal integrity shall be checked prior to opening lockers/kits for operational check of portable equipment. Locker/kits may be resealed immediately after operational checks are complete and equipment returned.

- Perform an inventory/inspection or calibration at any time as directed by the Manager, Radiological Controls Field Operations, or Manager, Radwaste and Chemistry.
- Emergency equipment shall be restored/restocked and inventoried by the end of the following working day after the end of its usage.

TMI – Unit 1
Emergency Plan
Implementing Document

Number

TEP-ADM-1300.05

Title

Revision No

Emergency Equipment Readiness

12

B. Details

- Emergency Radiological Controls/Radiological Monitoring/Post Accident Sampling Equipment shall be located in the following areas in accordance with Reference 6.2 to allow protection of emergency personnel, radiological/environmental monitoring and availability of other equipment and supplies needed during emergencies:
 - ◆ Security Processing Center (P.C)
 - ◆ Technical Support Center
 - ◆ Rad Con Lab/Control Point
 - ◆ Reactor Building Personnel Access Hatch
 - ◆ Reactor Building Equipment Hatch
 - ◆ Control Room
 - ◆ Simulator
 - ◆ Training Center/Remote Assembly Area
 - ◆ Sample Analysis Lab
 - ◆ Plant Chemistry Locker
 - ◆ Emergency Operations Facility (EOF)
 - ◆ Harrisburg (Commerce Park)/Remote Assembly Area
- Inventories shall only be considered complete when all required items are present in the kit/locker, all equipment/instruments in the kit/locker are within expiration date/calibration as applicable
 - ◆ Some inventory forms require large quantities of an identical item to be stored in the kit or locker (e.g., procedure exhibits, rad warning sign inserts, etc). In such cases:
 - Identical items may be sealed in a clear bag, pouch or container and labeled with the contents and quantity.
 - If the item has a revision number or expiration date, it must be visible through the container and/or stated on the label.
 - Such items, need not be individually counted during the performance of an inventory so long as the seal is not broken and the items are not out of date

	TMI – Unit 1 Emergency Plan Implementing Document	Number TEP-ADM-1300.05
Title Emergency Equipment Readiness	Revision No 12	

- All emergency kits and lockers shall be sealed. Seals shall be unique in color or design so as to be easily distinguished from tamper seals commonly available on-site.
 - ◆ Certain equipment is stored nearby or in the vicinity of (i.e., within the same room) certain kits or lockers. Some equipment is too bulky (e.g., air samplers) to store in a kit. Some equipment must be in a ventilated area (e.g., radios with batteries on charge, etc.).
- All completed inventory forms shall be forwarded to the following personnel for review.
 - ◆ Group Rad Controls Supervisor - Att. 1 through 6, Att. 9, and Att. 10 (R C. Section)
 - ◆ Group Supervisor, Radwaste - Att. 11 through 13
 - ◆ Manager, Radwaste & Chemistry (or designee) - Att. 7, Att. 8, and Att. 10 (Chem Section)

The Inventory, Check and Inspection Forms (originals) shall be forwarded with applicable plant surveillance requirements. The Inventory, Check and Inspection Forms shall be forwarded to the Emergency Preparedness' Department for review. Forms are to be retained in accordance with the EP Records Retention Schedule.

C. Final Conditions

- All equipment/instruments have been inventoried and checked as required, and inventory forms/operational test forms have been reviewed by the Group Radiological Controls Supervisor, Group Supervisor, Radwaste or Manager, Radwaste & Chemistry (or designee) as appropriate, and copies forwarded to the Emergency Preparedness Department
- Used kits/lockers are reinventoried, resupplied and sealed

50 **RESPONSIBILITIES**

NOTE

The steps in this section assign responsibilities to various persons for maintaining the readiness of emergency equipment used to support the emergency plan. The responsibilities stated in these steps need not be accomplished in the sequence in which they are listed.

- A. The Rad Health & Safety Director has the ultimate responsibility for all radiological control emergency equipment and its availability and reliability with the exception of equipment stored at the Sample Analysis Laboratory.
- B. The Manager, Radwaste & Chemistry has the ultimate responsibility for all Reactor Coolant System Post Accident Sampling equipment located in the Sample Analysis Laboratory. He/she is responsible for its availability and reliability

TMI – Unit 1
Emergency Plan
Implementing Document

Number

TEP-ADM-1300.05

Title

Revision No

Emergency Equipment Readiness

12

- C. The Group Radiological Controls Supervisor and the Manager, Radwaste & Chemistry, or their designees, shall assign appropriate personnel to perform inventory and operational checks on the emergency kits and lockers under their jurisdiction.
- D. The Group Radiological Controls Supervisor, and the Manager, Radwaste & Chemistry, or his/her designee, as appropriate shall ensure that the following items are performed during an inventory
- Complete the inventory form for that kit/locker.
 - Verify all equipment is in working order.
 - ◆ Perform an operational test of equipment such as flashlights, megaphones, etc , by energizing each item and checking for normal operation
 - ◆ Portable radiological instrumentation shall be battery checked and, if the kit/locker is being inventoried after use, a response check shall be performed to verify operability.
 - ◆ For portable air samplers, disconnect the sampler from the charger and energize to check for normal operation Reconnect the charger after testing
 - Replace all missing items
 - Remove all outdated items
 - Ensure that the kit or locker is organized, orderly and clean.
 - Ensure that the kit or locker contains no extra tamper seals
 - Ensure that the kit/locker contains the required controlled copy procedures and that the required forms in the kit/locker are the current revision.
 - Ensure that instruments and air samplers contained in emergency kits and lockers are within proper calibration frequency.
 - Note discrepancies on inventory form, and notify the Manager, Radiological Controls Field Operations, or Manager, Radwaste & Chemistry or their designees, as appropriate, of these discrepancies and/or broken locks or seals.
 - Emergency instrumentation removed from lockers/kits shall be replaced prior to end of working shift except during actual emergencies or extended drills/exercises.

	TMI – Unit 1 Emergency Plan Implementing Document	Number TEP-ADM-1300.05
Title Emergency Equipment Readiness	Revision No 12	

- E. The Group Supervisor, Radwaste or his/her designee, shall conduct the required inspections for all respiratory protective equipment. This will be accomplished by ensuring completion of the following:
- Replace any equipment which is missing or requires maintenance
 - Inspect each item per the requirements of Reference 6.5.
 - Place an Emergency Respiratory Equipment Inspection tag with each piece of equipment found acceptable.
 - Complete the Inventory Form for Full Face Respirators w/Canisters (Attachment 13), the Inspection of Emergency Respiratory Equipment for SCBA's (Attachment 11), and the Inspection of Emergency Respiratory Equipment for SCBA Cylinders (Attachment 12) Forward completed originals to the Site Emergency Preparedness Manager for review and filing.
- F. Individuals shall notify the Group Radiological Controls Supervisor, or Manager Radwaste & Chemistry as appropriate, of all emergency equipment usage at the end of its usage. Emergency equipment shall be restored/restocked and inventoried by the end of the next normal workday following the end of its usage ("normal workdays" are the days of the plants scheduled daylight work week). Emergency Preparedness Department shall be informed if equipment cannot be restored/restocked as required above.

6.0 **REFERENCES**

- 6.1 Exelon Nuclear Standardized Radiological Emergency plan (EP-AA-1000)
- 6.2 Exelon Nuclear Radiological Emergency Plan Annex for Three Mile Island Station (EP-AA-1009)
- 6.3 Procedure 1038, Administrative Controls-Fire Protection Program
- 6.4 Procedures 1104-45A through Q, Fire Protection
- 6.5 Procedure RP-AA-825, "Maintenance, Care, and Inspection of Respiratory Protective Equipment"
- 6.6 Procedure RP-AA-700, "Controls for Radiation Protection Instrumentation"
- 6.7 Procedure 1301-13.1, Emergency Plant Radiation Instruments
- 6.8 Corrective Action Program (CAP) Procedure, LS-AA-125

TMI – Unit 1
Emergency Plan
Implementing Document

Number

TEP-ADM-1300.05

Title

Revision No

Emergency Equipment Readiness

12

7.0 **EXHIBITS**

NOTE

The attachments listed below can be completed in any order. Additionally attachments can be completed individually without completing the entire set of attachments.

- 7.1 Attachment 1, Rad/Env. Monitoring Kits
- 7.2 Attachment 2, Processing Center Locker Inventory Form
- 7.3 Attachment 3, Rad Con Lab/Control Point Locker Inventory Form
- 7.4 Attachment 4, Reactor Building Access Points Lockers Inventory Form
- 7.5 Attachment 5, Control Room/Simulator Lockers Inventory Form
- 7.6 Attachment 6, Training Center/RAA Personnel/Vehicle Monitoring Kit Inventory Form
- 7.7 Attachment 7, Sample Analysis Lab/Locker and Sample Transfer Cart Inventory Form
- 7.8 Attachment 8, Plant Chemistry Locker Inventory Form
- 7.9 Attachment 9, Harrisburg (Commerce Park)/RAA Personnel/Vehicle Monitoring Kit Inventory Form
- 7.10 Attachment 10, Monthly Check of Emergency Equipment
- 7.11 Attachment 11, SCBA Inspection Form
- 7.12 Attachment 12, SCBA Cylinder Inspection Form
- 7.13 Attachment 13, Full Face Respirator Inventory Form
- 7.14 Attachment 14, TSC Locker Inventory Form

ATTACHMENT 1

Inventory Form - Emergency Equipment
Rad/Env. Monitoring Kits

KIT NO 1 / 2 / 3 / 4 (circle one)
INVENTORY PERFORMED BY _____ Date _____
REVIEWED BY _____ Date _____
REASON FOR INVENTORY _____
QUARTERLY _____, POST USE _____*, OTHER (EXPLAIN IN REMARKS) _____

ITEM	MINIMUM QUANTITY REQUIRED	QUANTITY PRESENT		
Emergency Planning Zone Map	1			
Site Map	1			
Safety Vests	3			
Raincoats	3			
Charcoal Cartridge, CP100 or equivalent (Drill use)	1			
Clipboard	1			
Scissors	1 pair			
Surgeon's Gloves	20 pairs			
Tweezers	1 pair			
Smear/Air Sample Envelopes	25			
Particulate Air Sample Filters	1 full box			
Small Ziplock Bags w/Sample Labels	25			
Disc Smears	1 full box			
Absorbent Towels	1 full bundle			
Sample Bottles (500 ml or larger)	2			
Compass	1			
Mag Signs "Env. Sampling in Progress"	2			
HP 260 (or equiv) Probe w/Cable (spare)	1			
Two-Way Radio	1**			
Radio Battery Charger (vehicle powered)	1**			OP TEST
Flashlight w/Spare Bulb	1			
Amber Strobe Light	1			
Pens	2			
				EXPIRATION DATE
Silver Zeolite Cartridges (Sealed in Plastic)	10			
D-Cell Batteries (spares)	6			
Thyroid Blocking Agent	2 vials			
Drinking Water Bottles 10 oz. larger	2			
Procedure binder (controlled)	1			REVISION #
EP-AA-112-500				
Initial FMT Checklist (Table 1-1)	2			
FMT Dispatch Log (Table 2-1)	2			
FMT Turnover Checklist (Table 1-4)	2			
FMT Data Sheet (Attachment 3)	5			
Environ. Assessment Log (Attachment 4)				
Thyroid Block Agent Authorization Form (EP-AA-113, Attachment 6)	2			
Blank Inventory Sheet, TEP-ADM-1300.05, Att 1	1			
TMI EP Aid - 01 - Radiation Protection (RP) Guideline	2			
				CAL DUE DATE
Electronic Dosimeters with batteries	3			S/N
Survey Meter (E520/Equiv)	1			OP TEST
E140N W/HP 260 Probe (or Equiv)	1			
Portable Air Sampler (Battery Powered)	1**			

Emergency Kit Sealed: _____

Emergency Prep Dept Review _____ / _____
Initials Date

REMARKS

As noted below, four kits, each containing the material listed, are maintained. Kits #1 & #2 are stored in the Processing Center, Kits #3 & #4 are stored in the TSC (OSF 122)
* Inventories performed after a kit has been used must include a response check of radiological instruments
**May be stored in the vicinity of the kit

TMI – Unit 1
Emergency Plan
Implementing Document

Number

TEP-ADM-1300.05

Title

Revision No

Emergency Equipment Readiness

12

ATTACHMENT 2

Page 1 of 1

**Inventory Form - Emergency Equipment
Processing Center**

INVENTORY PERFORMED BY _____ Date _____

REVIEWED BY _____ Date _____

REASON FOR INVENTORY:

QUARTERLY _____, POST USE _____, OTHER (EXPLAIN IN REMARKS) _____

PROCESSING CENTER:

ITEM	MINIMUM QUANTITY REQUIRED	QUANTITY PRESENT	
Battery Charger for Portable Radio Batteries*	1		
Emergency TLD's (not counting background TLD's)	25		REVISION #
TLD Issue Forms	5		
Emer Response Info Forms	25		

* Stored with Rad/Env Monitoring Equipment

Emergency Locker Sealed: _____

Emergency Prep Dept Review: _____ / _____
Initials Date

TMI – Unit 1
Emergency Plan
Implementing Document

Number

TEP-ADM-1300.05

Revision No

12

Emergency Equipment Readiness

**ATTACHMENT 3
Inventory Form - Emergency Equipment
Rad Con Lab/Control Point Locker**

Page 1 of 1

INVENTORY PERFORMED BY _____ Date _____
 REVIEWED BY _____ Date _____
 REASON FOR INVENTORY
 QUARTERLY _____, POST USE _____*, OTHER (EXPLAIN IN REMARKS) _____

ITEM	MINIMUM QUANTITY REQUIRED	QUANTITY PRESENT			
Protective Clothing - Coveralls	10				
Hoods or Caps	10				
Gloves	10 pairs				
Booties	10 pairs				
Poly Bags (Assorted Sizes)	5**				
Pens and Tablets	2 each**				
Disc Smears	1 full box**				
Disposable Coveralls	2 sets**				
Surgeon's Gloves with Cloth Liners	20 pair**				
Disposable Booties	5 pairs**				
Masking Tape	1 full roll**				
Radioactive Material Tags	10**				
Personnel Contam Report Forms	10**				
Large Yellow Bags w/Bag Holders	4				
Spill Off Pads	4				
Rad Warning Signs	20				
Rad Warning Sign Inserts					
RWP Required for Entry	20				
Contamination Area	20				
Radiation Area	20				
High Radiation Area	20				
Airborne Contamination Area	20				
TLD Required for Entry	20				
No Entry or Keep Out	20				
Rad Warning Rope or Ribbon (may be pre-cut lengths)	100 ft				OP TEST
Flashlights	10				
					EXPIRATION DATE
Thyroid Blocking Agent	50 vials				
Silver Zeolite Cartridges (sealed in plastic)	20				
AA Cell Batteries (spares)	40				
C Cell Batteries (spares)	6				
D Cell Batteries (spares)	4				
					REVISION #
Blank Inventory Sheet TEP-ADM-1300 05, Attachment 3	1				
					CAL DUE DATE
Survey Meter (R02A/Equiv)	1				S/N
Fnsker (E140N/Equiv)	1				OP TEST
Teletector or equiv	1				
Portable Air Sampler	1				

Emergency Locker Sealed _____
 Emergency Prep Dept Review _____ / _____
Initials Date

MARKS Inventory requirements for the Operations Support Center Facility are contained in Procedure TEP-ADM-1300.01, Maintaining Emergency Preparedness.

* Inventories performed after a kit/locker has been used must include a response check of radiological instruments

** Items marked with a double asterisk are stored in the ambulance response bag

TMI – Unit 1
Emergency Plan
Implementing Document

Number

TEP-ADM-1300.05

Revision No

Emergency Equipment Readiness

12

ATTACHMENT 4

Page 1 of 1

**Inventory Form - Emergency Equipment
Reactor Building Access Points Lockers
Personnel Access/Equipment Hatch (Circle One)**

INVENTORY PERFORMED BY _____ Date _____

REVIEWED BY _____ Date _____

REASON FOR INVENTORY:

QUARTERLY _____, POST USE _____, OTHER (EXPLAIN IN REMARKS) _____

ITEM	MINIMUM QUANTITY REQUIRED	QUANTITY PRESENT	
Neutron TLD	1		REVISION #
Blank Inventory Sheet TEP-ADM-1300.05, Attachment 4	1		
			Key #
Locked High Rad Area Key	1		
			CAL DUE DATE
Digital Dosimeter	1		S/N

Emergency Locker Sealed: _____

Emergency Prep Dept Review. _____ / _____
Initials Date

REMARKS:

Two (2) lockers, each containing the material listed, are maintained. One is kept near each Reactor Building Access Point

Emergency Equipment Readiness

ATTACHMENT 5

**Inventory Form - Emergency Equipment
Control Room/Simulator Lockers (Circle One)**

INVENTORY PERFORMED BY _____ Date _____

REVIEWED BY _____ Date _____

REASON FOR INVENTORY:

QUARTERLY _____, POST USE _____*, OTHER (EXPLAIN IN REMARKS) _____

ITEM	MINIMUM QUANTITY REQUIRED	QUANTITY PRESENT			
Protective Clothing	Coveralls	5			
	Gloves	5 pairs			
	Booties	5 pairs			
Masking Tape	1 full roll				
Site Map	1				
Pens, Wax Pencils	4 each				
Copier Paper (for Printer)	1 full ream				
Electrical Extension Cord (50 ft. or longer)	1				
HP 260 (or equiv.) Probe w/Cable (spare)	1			EXPIRATION DATE	
Bell Batteries (spares)	2				
				REVISION #	
Logsheets	25				
Blank Inventory Sheet TEP-ADM-1300.05, Attachment 5	1				
				CAL DUE DATE	S/N
Frisker (E140N/RM-14)	1				OP TEST

Emergency Locker Sealed _____

Emergency Prep Dept Review: _____ / _____
Initials Date

* Inventories performed after a kit/locker has been used must include a response check or radiological instruments.

REMARKS: Inventory requirements for the Control Room RAC Area are contained in procedure TEP-ADM-1300 01, Maintaining Emergency Preparedness.

NOTE

The locker in the simulator is provided for drill use only; it is not required by Tech Specs Therefore, failure to properly maintain this locker does not constitute a Tech Spec Violation.

Emergency Equipment Readiness

12

**ATTACHMENT 6
Inventory Form - Emergency Equipment
Personnel/Vehicle Monit. Kit - Training Center/RAA**

Page 1 of 1

INVENTORY PERFORMED BY _____ Date _____

REVIEWED BY _____ Date _____

REASON FOR INVENTORY:
QUARTERLY _____, POST USE _____*, OTHER (EXPLAIN IN REMARKS) _____

ITEM	MINIMUM QUANTITY REQUIRED	QUANTITY PRESENT		
Disposable PC's: Coveralls Gloves Booties	10			
	20 pairs			
	20 pairs			
Pens	4 each			
Masking Tape	1 full roll			
Disc Smears	1 full box			
Smear Envelopes	1 full box			
Absorbent Towels	2 full bundles			
Nasal Swabs	1 full pack			
Waterless Hand Cleaner	1 full can/jar of at least 10 oz.			
Wash Basin	1			
Bath Soap	2 unused bars			
Shampoo	1 full bottle of at least 8 oz.			
Scrub Brushes	5			
Disposable Bath Towels	50			
Finger Nail Clippers	1 pair			
Barber Scissors	1 pair			
"Evacuees Enter Here" Sign	1			
"Clean Personnel Exit" Signs	2			
Rad Warning Signs	5			
Rad Warning Ribbon or Rope	100 ft.			
Rad Warning Sign Inserts Contamination Area Radioactive Materials Area No Entry or Keep Out	5			OP TEST
	5			
	5			
Flashlights w/spare bulbs	2			
Step Off Pads	2			EXPIRATION DATE
D Cells Batteries (spares)	4			
Polyethylene Bags (Assorted Sizes)	12			REVISION #
Procedures EP-AA-113-100 RP-AA-350	1			
	1			
Personnel Contamination Report forms, RP-AA-350, Attachment 1 & 2	25			
Vehicle Contamination Report, EP-MA-113-100, Att 5	25			
Evacuation Instructions, EP-MA-113-100, (Table 1-4B)	250			
Remote Assembly Area Muster List, EP-MA-113-100, Att 4	20			
Information Request / Message Sheet, EP-AA-112, Att 7	10			
Blank Inventory Sheet TEP-ADM-1300 05, Attachment 6	1			
			CAL DUE DATE	S/N
E140N w/HP210 Probe (or Equiv)	2			OP TEST

Emergency Locker Sealed _____

Emergency Prep Dept Review _____ / _____
Initials Date

REMARKS *Inventories performed after a kit/locker has been used must include a response test of radiological instruments

**ATTACHMENT 7
Inventory Form - Emergency Equipment
Sample Analysis Lab and Sample Transfer Cart**

INVENTORY PERFORMED BY _____ Date _____

REVIEWED BY _____ Date _____

REASON FOR INVENTORY:

QUARTERLY _____, POST USE _____, OTHER (EXPLAIN IN REMARKS) _____

ITEM	MINIMUM QUANTITY REQUIRED	QUANTITY PRESENT	
Spill Catch Pan (24" x 24" x 2")	1		
Lead Pig w/Insert for Liquid Sample Bottle	1*		
Lead Pig for Gas (Syringe) Sample	2*		
Magnetic Stirrer Base	2		
1 liter poly bottle w/stirring bar	2		
70 ml Sample Bottle	1		
30 ml Counting Bottle	2		
20 ml Gas Vial	1		
Cut Glass Vial w/Shield Brick	1		
Eppendorf Pipets	4		
Eppendorf Pipet Tips - 1.0 ml	6		
Eppendorf Pipet Tips - 0.1 ml	6		
MLA Pipet Tips 1-5 ml	6		
Lead Pig for pipet tips and syringe	1		
MLA Pipet 2.0 ml	1		
MLA Pipet 5.0 ml	1		
Marinelli Beaker, 1640 cc w/Septum	1		
Permanent Marker	1		
Sample Handling Tool	1		
Pressure-LOK Series A-2, 2 cc Syringes w/8.5 inch or longer needles	5		
Pressure-LOK Series A-2, 10 cc Syringe	1		
Pressure-LOK Series A-2 Syringe Size 0.1cc to 0.5 cc	1		
Pressure-LOK Series A-2 Syringe Size 1.0 cc to 2.0 cc	1		
Boron Titration Beaker	2		
Poly Bags (Zip-lock)	10		
Masking Tape	2 full rolls		
Lead Bricks	2		REVISION #
Blank Inventory Sheet TEP-ADM-1300.05, Attachment 7	1		

Emergency Locker Sealed _____

Emergency Prep Dept Review _____ / _____
Initials Date

REMARKS:

*Sample pigs are stored on the sample transfer cart which is kept in the Sample Analysis Lab/Nuclear Sampling Room area

TMI – Unit 1
Emergency Plan
Implementing Document

Number

TEP-ADM-1300.05

Revision No

Emergency Equipment Readiness

12

ATTACHMENT 8

Page 1 of 1

**Inventory Form - Emergency Equipment
Plant Chemistry Locker**

INVENTORY PERFORMED BY _____ Date _____

REVIEWED BY _____ Date _____

REASON FOR INVENTORY.

QUARTERLY _____, POST USE _____, OTHER (EXPLAIN IN REMARKS) _____

ITEM	MINIMUM QUANTITY REQUIRED	QUANTITY PRESENT	
Pressure-Lok Series A-2, 2 cc syringes w/6 inch or longer needles	5		
Spare septums for catpass system	12		
Wrist TLDs and Finger TLDs	10 sets		
Map-5 cartridges holders	6		REVISION #
Blank Inventory Sheet TEP-ADM-1300 05, Attachment 8	1		

Emergency Locker Sealed: _____

Emergency Prep Dept Review: _____ / _____
Initials Date

REMARKS:

TMI – Unit 1
Emergency Plan
Implementing Document

Number

TEP-ADM-1300.05

Revision No.

Emergency Equipment Readiness

12

ATTACHMENT 9

Page 1 of 1

**Inventory Form - Emergency Equipment
Personnel/Vehicle Monit. Kit – Harrisburg (Commerce Park)/RAA**

INVENTORY PERFORMED BY _____ Date _____

REVIEWED BY _____ Date _____

REASON FOR INVENTORY
QUARTERLY _____, POST USE _____*, OTHER (EXPLAIN IN REMARKS) _____

ITEM	MINIMUM QUANTITY REQUIRED	QUANTITY PRESENT			
Disposable PC's Coveralls	10				
Gloves	20 pairs				
Booties	20 pairs				
Masking Tape	1 full roll				
Disc Smears	1 full box				
Smear Envelopes	1 full box				
Absorbent Towels	2 full bundles				
Nasal Swabs	1 full pack				
Waterless Hand Cleaner	1 full can/jar of at least 10 oz.				
Wash Basin	1				
Bath Soap	2 unused bars				
Shampoo	1 full bottle of at least 8 oz				
Scrub Brushes	5				
Disposable Bath Towels	50				
Finger Nail Clippers	1 pair				
Barber Scissors	1 pair				
"Evacuees Enter Here" Sign	1				
"Clean Personnel Exit" Signs	2				
"TMI Site Evacuees – Use Garage Entrance" Signs mounted on safety cones	2**				
Rad Warning Signs	5				
Rad Warning Ribbon or Rope	100 ft				
Rad Warning Sign Inserts:					
Contamination Area	5				
Radioactive Materials Area	5				
No Entry or Keep Out	5				
Step Off Pads	2				
Stanchions for Rad Warning Signs	4**				
Emergency TLD's (not counting background TLD's)	275				
Polyethylene Bags (Assorted Sized)	12				REVISION #
Procedures EP-MA-113-100	1				
RP-AA-350	1				
TLD Issue Forms	275				
Personnel Contam Report Forms, RP-AA-350, Attachment 1 & 2	25				
Vehicle Contam Report Forms, EP-MA-113-100, Att 5	25				
Remote Assembly Area Muster List, EP-MA-113-100, Att 4	20				
Blank Inventory Sheet, TEP-ADM-1300 05, Attachment 9	1				
Fluorescent Light Tubes (E140N/Equiv) (Kept in the locker)	2				
					CAL DUE DATE
					S/N
					OP TEST

Emergency Locker Sealed _____

Emergency Prep Dept Review _____ / _____

Initials Date

REMARKS *Inventories performed after a kit/locker has been used must include a response test of radiological instruments.
 ** Stored in vicinity of the locker.

**ATTACHMENT 10 (Part 1)
Monthly Check of Emergency Equipment
(Rad. Controls)**

Check seal integrity (see Section 4 0, Part A, 6th bullet also) prior to opening kits/lockers

A Battery Check and Calib Due Data Check of Portable Radiological Instruments Month: _____ Year: _____

Enter the serial number and perform battery check, then initial and date.

If battery check is unsat., replace batteries with the spares in the kit/locker and recheck, then place new spares in the kit/locker.

Verify that the time from calibration date to the calibration due date is less than 24 months (as required in reference 6.7).

If the time from calibration date to calibration due date is 24 months or greater for any instrument – notify the Group Supervisor – I&C.

Location and Equipment Type		Serial No	Battery Check	Calib Due Date	Initial/Date
Rad/Env. Monit Kit #1 (stored on-site)	E520 or Equiv				
	E140N w/HP260 (Equiv)				
	Digital Dosimeter				
	Digital Dosimeter				
	Digital Dosimeter				
Rad/Env Monit Kit #2 (stored on-site)	E520 or Equiv				
	E140N w/HP260 (Equiv)				
	Digital Dosimeter				
	Digital Dosimeter				
	Digital Dosimeter				
Rad Con Lab/Control Point	R02A or Equiv.				
	Teletector or equiv				
	E140N or Equiv.				
Reactor Building Personnel Access	Digital Dosimeter				
Reactor Building Equipment Hatch	Digital Dosimeter				

NOTE

Equipment found to be UNSAT during a monthly check must be repaired and returned to the kit/locker OR replaced by equivalent equipment by the end of the next normal workday ("normal workdays" are the days of the plant's scheduled daylight work week).

If repair or replacement cannot be accomplished within the time limit, an explanation must be provided in writing. If repair or replacement cannot be accomplished within 7 calendar days, a CAP must be initiated.

TMI – Unit 1
Emergency Plan
Implementing Document

Number

TEP-ADM-1300.05

Title

Revision No.

Emergency Equipment Readiness

12

**ATTACHMENT 10 (Part 1)
Monthly Check of Emergency Equipment
(Rad. Controls)**

Page 2 of 9

Month: _____ Year: _____

Location and Equipment Type		Serial No	Battery Check	Calib. Due Date	Initial/Date
Personnel/Vehicle Monit. Kit, Training Center	E140N w/HP260 (Equiv)				
	E140N w/HP260 (Equiv)				
Control Room Area	RM-14 or Equiv				
Harrisburg (Commerce Park)/ RAA Locker	E140N w/HP260 (Equiv.)				
	RM14 or Equiv				
Rad/Env. Monit. Kit #3 (stored on-site) (TSC, OSF 122)	E520 or Equiv.				
	E140N w/HP260 (Equiv.)				
	Digital Dosimeter				
	Digital Dosimeter				
Rad/Env. Monit. Kit #4 (stored on-site) (TSC, OSF 122)	E520 or Equiv.				
	E140N w/HP260 (Equiv.)				
	Digital Dosimeter				
	Digital Dosimeter				
TSC, OSF 122	RM-14 or Equiv.				
	RM-14 or Equiv.				
	AMS-4				
	Ludlum 375				
	Hi-Vol Air Sampler				

NOTE

Equipment found to be UNSAT during a monthly check must be repaired and returned to the kit/locker OR replaced by equivalent equipment by the end of the next normal workday ("normal workdays" are the days of the plant's scheduled daylight work week)

If repair or replacement cannot be accomplished within the time limit, an explanation must be provided in writing. If repair or replacement cannot be accomplished within 7 calendar days, a CAP must be initiated.

TMI – Unit 1
Emergency Plan
Implementing Document

Number

TEP-ADM-1300.05

Title

Revision No

Emergency Equipment Readiness

12

**ATTACHMENT 10 (Part 1)
Monthly Check of Emergency Equipment
(Rad. Controls)**

Page 3 of 9

B. Visual Inspection of Seal Integrity.

Month: _____

Year: _____

LOCATION	SAT	UNSAT INVENTORY PERFORMED	TECH. INITIALS/DATE
Rad/Env Monitoring Kit #1 (P.C.)			
Rad/Env Monitoring Kit #2 (P.C.)			
Rad/Env Monitoring Kit #3 (TSC.)			
Rad/Env Monitoring Kit #4 (TSC.)			
Processing Center Locker			
Rad Controls Lab/Control Point Locker			
Personnel Access Hatch Locker			
Reactor Building Equipment Hatch Locker			
Control Room Locker			
Simulator Locker			
Training Center/RAA Kit			
Harrisburg (Commerce Park)/RAA Locker			

C Provide Rad I&C a list of instruments requiring calibration during present or next calendar month.

Rad I&C Notified _____ / _____
Initials
Date

ATTACHMENT 10 (Part 1)
Monthly Check of Emergency Equipment
(Rad. Controls)

D. Portable Radio Checks: Month: _____ Year: _____

• Portable Radio Battery Maintenance:

◆ Exercise all available portable EARS radio batteries using the battery analyzer(s) in the Rad Con Field Ops office area. The steps for exercising batteries are:

- (1) Three batteries can be evaluated at a time on each analyzer.
- (2) Insert the battery into the battery well on the analyzer.
- (3) While the word "CHARGE" is flashing on the display below the battery, press the "FUNCTION" button below the display 2 times. The display should read "CYCLE: 1" This battery will now undergo a Charge-Discharge-Recharge process to exercise it. This process will take several hours to complete. When completed, the analyzer will display the battery's capacity in MILLIAMP HOURS
- (4) When the batteries have completed the exercise sequence, the analyzer will display "READY" and the battery's capacity value.
- (5) Write the battery capacity and date of test in grease pencil on the battery's capacity label
- (6) If a battery's capacity is 1280 MILLIAMP HOURS or greater, this battery is satisfactory for use.
- (7) If the capacity is less than 1280 MILLIAMP HOURS after exercising is complete (i.e., "READY" is displayed with the capacity value):
 - (7.1) Momentarily lift the battery from the analyzer and then place it back into the battery well
 - (7.2) While the word "CHARGE" is flashing on the display below the battery, press the "FUNCTION" button below the display 5 times. The display should read "CYCLE: 4". This battery will now undergo a repetitious Charge-Discharge-Recharge process to attempt to recondition it. This process will take up to 2 days.
 - (7.3) Re-check this battery after reconditioning is complete. If it displays 1280 MILLIAMP HOURS or greater, this battery is satisfactory for use.
 - Write the battery capacity and date of test in grease pencil on the battery's capacity label.

	TMI – Unit 1 Emergency Plan Implementing Document	Number TEP-ADM-1300.05
Title Emergency Equipment Readiness	Revision No 12	

ATTACHMENT 10 (Part 1)
Monthly Check of Emergency Equipment
(Rad. Controls)

Page 5 of 9

- (7.4) If a battery's capacity is less than 1280 MILLIAMP HOURS after reconditioning is complete (i.e., "READY" is displayed with the capacity value):
- Remove the battery from service.
 - Request that a replacement battery be ordered.
- (8) Exchange the batteries that are stored with the emergency field monitoring kits at the Processing Center with freshly exercised batteries
- (9) Fill in the information on the table below for batteries that have been placed with the field monitoring kits.
- (10) Batteries stored with the field monitoring kits should be placed on charge if space is available in the charger(s) at these locations.
- (11) Bring any batteries that have been removed from the kit locations back to the Rad Con Field Ops office for exercising

TMI – Unit 1
Emergency Plan
Implementing Document

Number

TEP-ADM-1300.05

Title

Revision No

Emergency Equipment Readiness

12

ATTACHMENT 10 (Part 1)

Page 6 of 9

**Monthly Check of Emergency Equipment
(Rad. Controls)**

Month _____ Year _____

Minimum Required Batteries:

Location	Battery # (on bottom of battery)	Capacity (MILLIAMP HOURS)	Date Exercised	Remarks	Initials/Date
P.C.					
TSC					

Additional Batteries:

Location	Battery # (on bottom of battery)	Capacity (MILLIAMP HOURS)	Date Exercised	Remarks	Initials/Date

	TMI – Unit 1 Emergency Plan Implementing Document	Number TEP-ADM-1300.05
Title Emergency Equipment Readiness		Revision No 12

**ATTACHMENT 10 (Part 1)
Monthly Check of Emergency Equipment
(Rad. Controls)**

Page 7 of 9

Month: _____ Year: _____

- **Portable Radio Operability Test:** Check the operability of each of the portable EARS radios by establishing communication with the Rad Con Lab or TSC as follows:
 - (1) Turn on the portable radio by rotating the “power on-off/volume” knob clockwise
 - (2) The radio will perform a “power up self test” and then display:
 - ◆ Its unit number (e.g. “TMI P 1” is portable radio #1) and
 - ◆ Either “EARS” or “CC SCAN” depending on whether the radio is receiving the system Control Channel signal or not (i.e. if “CC SCAN” appears, the radio is probably in a bad location and should be moved outdoors for the test)
 - (3) Write the portable radio’s number (e.g “TMI P 1”) in the space provided on the table below.
 - (4) To transmit:

Ensure that the word “EARS” appears in the radio’s display and then press the Push-To-Talk (PTT) button (elongated button on the left side of the radio).

 - ◆ When the short, medium pitch beep is heard, call for the TMI Rad Con Lab or EACC.
 - If a high pitch beep is heard, the system is temporarily busy. Don’t release the PTT button- continue pressing it and wait for the short, medium pitch beep before starting to speak. The delay should typically be no more than a few seconds.
 - ◆ When speaking, hold the radio approximately 3 inches from the mouth and speak in a normal voice.
 - (5) If communication with the TMI Rad Con Lab or TSC is made successfully, circle “YES” in the appropriate space on the table below.
 - (6) If communication with the TMI Rad Con Lab or TSC is not successful, circle “NO” in the appropriate space on the table below.
 - (7) Repeat the above steps ((1) through (6))for each portable radio.
 - (8) Report any communication failures to the GRCS upon completion of the test.
 - (9) Document action taken to correct problems in the remarks section of the table below.

TMI – Unit 1
Emergency Plan
Implementing Document

Number

TEP-ADM-1300.05

Title

Revision No

Emergency Equipment Readiness

12

**ATTACHMENT 10 (Part 1)
Monthly Check of Emergency Equipment
(Rad. Controls)**

Page 8 of 9

Month: _____ Year: _____

Minimum Required Radios:

Location	Radio # (in radio display screen)	Communication Established (circle one)	Remarks	Initials/Date
P.C	TMI-P-_____	YES/NO		
P.C	TMI-P-_____	YES/NO		
TSC	TMI-P-_____	YES/NO		
TSC	TMI-P-_____	YES/NO		

PERFORMED BY _____
PRINT/SIGN
DATE

REVIEWED BY _____
PRINT/SIGN
DATE

Emergency Preparedness Department Review _____ / _____
Initials
Date

TMI – Unit 1
Emergency Plan
Implementing Document

Number

TEP-ADM-1300.05

Title

Revision No

Emergency Equipment Readiness

12

ATTACHMENT 10 (Part 2)
Monthly Check of Emergency Equipment
(Chemistry)

Page 9 of 9

A. Visual Inspection of Lock/Seal Integrity:

LOCATION	SAT	UNSAT INVENTORY PERFORMED
Sample Analysis Laboratory Locker/Sample Transfer Cart		
Plant Chemistry Locker		

PERFORMED BY _____
PRINT/SIGN
DATE

REVIEWED BY _____
PRINT/SIGN
DATE

Emergency Preparedness Department Review _____ / _____
Initials
Date

ATTACHMENT 11
Inspection of Emergency Respiratory Equipment

SELF CONTAINED BREATHING APPARATUS

Month _____

Year _____

Kit Number*	Location	Cylinder			Regulator		Facepiece Equip Number	Visual and Functional Check	Comments	Date/Signature
		Number	Hydro Date	Pressure	Equipment Number	Calibration Date				
1	Unit 1 Control Room									
2	Unit 1 Control Room									
3	Unit 1 Control Room									
4	Unit 1 Control Room									
5	Unit 1 Control Room									
6	Unit 1 Control Room									
7	Unit 1 Control Room									
8	Unit 1 Control Room									
9	Unit 1 Control Room									
10	Unit 1 Control Bldg 338' elev (stairway outside E S. Swgr. Room)									
11	Unit 1 Control Bldg. 338' elev. (stairway outside E S Swgr Room)									
12	Unit 1 Turbine Bldg. 322' elev. (adjacent elevator door)									
13	Unit 1 Turbine Bldg. 322' elev. (adjacent elevator door)									
14	Unit 1 Turbine Bldg 305' elev. (adjacent elevator door)									
15	Unit 1 Turbine Bldg. 305' elev. (adjacent elevator door)									
16	Unit 1 Rad Con (locker room area)									
17	Unit 1 Rad Con (locker room area)									
18	Unit 1 Reactor Bldg (outside personnel hatch)									
19	Unit 1 Reactor Bldg (outside personnel hatch)									
20	Unit 1 Aux Bldg 305' elev. (operator's station)									
21	Unit 1 Aux Bldg. 305' elev (operator's station)									

ATTACHMENT 11
Inspection of Emergency Respiratory Equipment
SELF CONTAINED BREATHING APPARATUS

Month _____

Year _____

Kit Number*	Location	Cylinder			Regulator		Facepiece Equip Number	Visual and Functional Check	Comments	Date/Signature
		Number	Hydro Date	Pressure	Equipment Number	Calibration Date				
22	Unit 1 Aux Bldg. 281' elev. (outside MU-P "B" cubicle)									
23	Unit 1 Aux. Bldg. 281' elev. (outside MU-P "B" cubicle)									
24	Unit 1 Turbine Bldg 305' elev. (north wall)									
25	Unit 1 Turbine Bldg 305' elev (north wall)									
26	Fire Brigade Truck									
27	Fire Brigade Truck									
28	Fire Brigade Truck									
29	Fire Brigade Truck									
30	Fire Brigade Equipment Building									
31	Fire Brigade Equipment Building									
32	Fire Brigade Equipment Building									
33	Fire Brigade Equipment Building									
34	Fire Brigade Equipment Building									
35	Fire Brigade Equipment Building									
36	Unit 1/Unit 2 Hallway Fire Equipment Locker									
37	Unit 1/Unit 2 Hallway Fire Equipment Locker									
38	Unit 1/Unit 2 Hallway Fire Equipment Locker									
39	Unit 1/Unit 2 Hallway Fire Equipment Locker									
40	Unit 1 Rad Con Lab (OSC)									
41	Unit 1 Rad Con Lab (OSC)									
42	Unit 1 Rad Con Lab (OSC)									

*NOTE: Kit numbers on this attachment reflect the actual numbering and location of the SCBA kits in the plant. The numbers do not indicate the order in which the kits are to be inspected or used.

ATTACHMENT 11
Inspection of Emergency Respiratory Equipment

SELF CONTAINED BREATHING APPARATUS

Month _____

Year _____

Kit Number*	Location	Cylinder		Regulator		Facepiece Equip Number	Visual and Functional Check	Comments	Date/Signature
		Number	Hydro Date	Pressure	Equipment Number				
Additional Silicone SCBA Facepieces**									
1	Rad Con Lab							Size – Small	
2	Rad Con Lab							Size – Medium	
3	Rad Con Lab							Size – Large	
1	Fire Equipment Locker							Size – Small	
2	Fire Equipment Locker							Size – Medium	
3	Fire Equipment Locker							Size – Large	
1	Control Room							Size – Medium	
2	Control Room							Size – Medium	
1	Fire Brigade Van							Size - Small	
2	Fire Brigade Van							Size - Medium	
3	Fire Brigade Van							Size - Large	

* NOTE: Kit numbers on this attachment reflect the actual numbering and location of the SCBA facepieces in the plant. The numbers do not indicate the order in which the kits are to be inspected or used.

**NOTE: The silicone facepieces listed here are the minimum required facepieces. Additional facepieces can be stored, if desired.

TMI – Unit 1
Emergency Plan
Implementing Document

Number

TEP-ADM-1300.05

Title

Revision No

Emergency Equipment Readiness

12

ATTACHMENT 12
Inspection of Emergency Respiratory Equipment
Self-Contained Breathing Apparatus Cylinders

Page 1 of 2

Month _____
Year _____

Location: Unit 1 Control Room

Minimum Quantity Required. 9 Cylinders

Cylinder Number	Hydro Date	Pressure	Visual and Functional Check	Comments

Signature

Date

Location: Unit 1 Control Tower Stairway 306'

Minimum Quantity Required: 10 Cylinders

Cylinder Number	Hydro Date	Pressure	Visual and Functional Check	Comments

Signature

Date

TMI – Unit 1
Emergency Plan
Implementing Document

Number

TEP-ADM-1300.05

Title

Revision No

Emergency Equipment Readiness

12

ATTACHMENT 14
Inventory Form - Emergency Equipment
TSC Locker

Page 1 of 1

INVENTORY PERFORMED BY _____ Date _____

REVIEWED BY _____ Date _____

REASON FOR INVENTORY.

QUARTERLY _____, POST USE _____*, OTHER (EXPLAIN IN REMARKS) _____

ITEM	MINIMUM QUANTITY REQUIRED	QUANTITY PRESENT		
Protective Clothing	Coveralls	25		
	Gloves	25 pairs		
	Booties	25 pairs		
Masking Tape	1 full roll			
Dry Erase Pens, Wax Pencils	4 each			
Copier Paper (for Printer)	4 full reams			
Electrical Extension Cord (50 ft. or longer)	2			
HP 260 (or equiv.) Probe w/Cable (spare)	2		EXPIRATION DATE	
D Cell Batteries (spares)	4			
Spare Cartridges for Computer Printer	1 Black			
Potassium Iodide (KI)	25			
Silver Zeolite Cartridges	10			
Charcoal Cartridges	5			
			REVISION #	
Logsheets	25			
Blank Inventory Sheet	1			
TEP-ADM-1300 05, Attachment 14				
			CAL DUE DATE	
			S/N	
			OP TEST	
Frisker (E140N/RM-14)	1			
Frisker (E140N/RM-14)	1			
AMS-4	1			
Ludlum 375	1			
Hi-Vol Air Sampler	1			

Emergency Locker Sealed: _____

Emergency Prep Dept Review: _____ / _____
Initials Date

* Inventories performed after a kit/locker has been used must include a response check or radiological instruments