

OPERATING MANUAL CHANGE NOTICE

Affected Chapters & Section: OM Chapter 17 (EPP/IP-7.1) Date: 9/28/81
 Affected Pages : IP 7.1 (All 26 pages) Time: 1300
 Affected Steps : All No. : 81-409

NOTE: This procedure must not be used beyond 7 days from the effective date above unless reviewed by the Onsite Safety Committee and approved by the BVPS Superintendent.

REVISED PROCEDURE TO READ:

Replace EPP/IP 7.1 procedure with the attached procedure on Emergency
Inventory Kits.

REASON FOR CHANGE: Changes to Inventory equipment and addition of Rad Mon. Van and
alternate EOF.

INSTRUCTIONS: Make 4 copies, insert 2 copies in the control room controlled copies, forward 1 copy to Operating Supervisor, 1 copy to Office Manager, and the original to the Procedures Engineer. Refer to the Operator Aid Index for additional copies.

OSC ACTION:

Reviewed and approval recommended not recommended. (circle one)

Does not involve on unreviewed safety question

Does not change procedure described in SAR.

APPROVED FOR USE:

JJ Mack
 Plant Management
[Signature]
 Staff Supervisor or Member of OSC
[Signature]
 BVPS Superintendent Date 9/28/81
 Approved to 12/28/81
 Date

ANNEX X

DUQUESNE LIGHT COMPANY
Beaver Valley Power Station
Emergency Preparedness Plan
Records Transmittal for
Controlled Copies of EPP

Page 1 of 1

Date 9 / 28 / 81

Title	Section(s) of Annexes	Issue or Revision Number	Record Date	Number of Pages	Transfer & Receipt
EPP/IF-7.1 Emergency Equipment Checklist + Maintenance Procedural	IP-7.1	OM/CN 81-409	9/28/81	26	<input checked="" type="checkbox"/>

(/) - records transmitted (X) - records received

I verify that the records transmitted are in agreement with this transmittal document, and are in good condition.

JJ Marash 9 / 28 / 81
(Person Transmitting Records) (Date)

I verify that the records received are in agreement with this transmittal document, and are in good condition.

(Recipient) (Date)

This form is to be returned to the BVPS office to be filed in the Records Room.

(Filed By) (Date)

EMERGENCY EQUIPMENT CHECKLIST AND MAINTENANCE PROCEDUREPurpose

To provide inventory checklists and maintenance procedures for emergency equipment.

Summary

Checklists are provided for inventory use. Replacements are made as soon as possible by the Rad Tech when deficiency or shortage is discovered. Calibration due dates will not exceed their use expiration dates and will be replaced or recalibrated prior to expiration date. Calibration procedures are referenced for equipment requiring periodic calibration. Complete inventory checklist, noting all applicable data and return to Rad Con Foreman when satisfactorily completed.

Inventories are performed quarterly or after each applicable inventory equipment usage (drills, etc.). This equipment is inventoried by the Radcon personnel at BVPS and completed inventory results are reviewed by the Rad Con Foreman and sent to responsible EPP supervisor. Original records will be transferred to the Station historical records files.

A. Procedure (Inventory and Check-out, Quarterly and After Use)

1. G.M. survey meters (Responsibility - Rad Tech, steps a and b)
 - a. Perform inventory check and replace survey meters with recently calibrated instruments or verify calibration.
 - b. Check that the serial number and calibration date of the replacement is recorded on the inventory checklist.
2. Survey instruments - Ion chamber (Responsibility - Rad Tech, step a)
 - a. Perform inventory check and calibrate according to BVPS Radcon Manual, Chapter 4.
3. Air samplers (Responsibility - Rad Tech, steps a and b; Meter and Control Repairman, step c)
 - a. Perform inventory check and replace if missing or out of calibration and notify RadCon Foreman (who will notify MCR Foreman).

EMERGENCY EQUIPMENT CHECKLIST AND MAINTENANCE PROCEDURE (continued)

- A. 3. b. Run for at least 5 minutes and check for proper operation, recording flow rate in "Remarks" section.
- c. Calibrate air flow according to the latest Field Calibration Procedure CP 2019.
4. Radios (Responsibility - Rad Tech, step a; Operations personnel and Security personnel, step b; Communications Dept., step c)
 - a. Proper number of radios are present in designated location.
 - b. Check for proper operation, send and receive, with an operating radio of the same frequencies.
 - c. Repair, if inoperable. Also perform required FCC annual radio license checks.
5. Air Paks (Responsibility - Rad Tech, step a; Maintenance, step b)
 - a. Perform inventory check and notify any discrepancies to the Rad Con Foreman (who will notify the Maintenance Foreman).
 - b. Air Paks are maintained by Maintenance Dept., any deficiencies should be forwarded to Maintenance Foreman and Safety Engineer, and replaced by Maintenance if required.
6. Dosimeters (Responsibility - Rad Tech, steps a, b and c).
 - a. Perform inventory check and replace with recently calibrated dosimeters of the same range.
 - b. Calibrate according to BVPS Radcon Manual, Chapter 3, Part 4.
 - c. Record serial number and calibration date of replacement on checklist.
7. Fire extinguishers (Responsibility - Rad Tech, step a; Operations, step b and c)
 - a. Inventory check for proper number and location (SS office)
 - b. Verify the extinguishers have been checked recently (within last month).
 - c. Fire extinguishers are checked (part of the regular periodic program established at BVPS), and are operable.

EMERGENCY EQUIPMENT CHECKLIST AND MAINTENANCE PROCEDURE (continued)

- A. 8. Respirators and cartridges (Responsibility - Rad Tech, step a)
 - a. Perform inventory check and inspect according to BVPS Radcon Manual, Chapter 3, Part 10, and replace if required.
9. Batteries (Responsibility - Rad Tech, steps a and b)
 - a. Perform inventory check of batteries as specified by the BVPS Radcon Manual, Chapter 4.
 - b. Replace spare batteries, flashlight batteries, etc. during each quarterly inventory.
10. Cloth equipment (Responsibility - Rad Tech, step a)
 - a. Perform inventory check and replace any cloth equipment which appears to be ripped, torn, or badly soiled.
11. Rubber and rubberized equipment (Responsibility - Rad Tech, step a)
 - a. Perform inventory check and replace any rubber or rubberized equipment which appears to be ripped, cracked or otherwise significantly damaged.
12. Maps, lists, data sheets, procedures, paper supplies, etc. (Responsibility - Rad Tech, step a; Op. Proc. Engr., step b)
 - a. Perform inventory check and check that all items are current, in order, and in good condition.
 - b. Restore items that are deficient or replace if out of date.
13. Miscellaneous equipment (Responsibility - Rad Tech or Op. Proc. Engr., step a; Rad Tech, step b.)
 - a. Perform quarterly inventory check, checking that the proper number is in supply as indicated on the checklist and that each is serviceable, and replace or restore, if required, as soon as possible.
 - b. Check that the lead seals are in place on Emergency Cabinets.

LISTING OF EPP INVENTORY CHECKLISTS:

<u>Page No.</u>		
C-5	Emergency Cabinet No. 1	Shift Supervisors Office
C-6	Emergency Cabinet No. 2	Fire Brigade Room
C-7	Water Mointoring Kit	Fire Brigade Room
C-8	Monitoring Kit No. 1	Fire Brigade Room
C-9	Monitoring Kit No. 2	Fire Brigade Room
C-10	Emergency Cabinet No. 3	Controlled Area Hallway
C-11	Monitoring Kit No. 3	Controlled Area Hallway
C-12	Emergency Cabinet No. 4	South Hights T & D Bldg.
C-13	Monitoring Kit No. 4	South Hights T & D Bldg.
C-14	Monitoring Kit No. 5	South Hights T & D Bldg.
C-15	First Aid Room	Turbine Deck
C-16	Construction Assembly Area	Service Group Trailer Complex
C-17	Schneider Supervisory Assembly Area	DLC/CDN/Schneider Supr. Trailer Complex
C-18	Admin. Bldg. Assembly Area	Admin. Bld. Basement
C-19	Tech. Support Center (Interim)	Admin Bldg. Basement
C-20	Emergency Operations Facility (Interim)	Admin Bldg. Basement
C-21.a & b	Operations Support Center Cabinet	Process Inst. Room
C-22.a & b	Radiological Emergency Van	Parked on-site
C-23.a & b	EPP Air Sample Carts	Turbine Deck

INVENTORY CHECKLIST EMERGENCY CABINET NO. 1

Emergency Control Center
Location: Control Room - Shift Supervisors Office (Desk)

Item/Equipment	Quantity (#)	Serial No./ EPP-Section	Issue Rev. No.	Calibration Due Date	Available/ Operable	Remarks
SVPS EPP (Controlled Copy #2)	1	EPP & IP's Complete Books				Copy #2 - SS Office
SVPS EPP (Controlled Copy #3)	1	EPP & IP's Complete Books				Copy #3 - Control Room
Geodetic survey map 10 mile EPZ	1	(Wall Mounted)				
First Aid Kit	1					
Blanket	1					
Radio & telephone communications console	1	KOK-614				
Beaver Valley Planning Commission maps of Beaver County	10					
Fire Extinguisher (SS Office)	1	#				Note Date of Last Insp.
Ruled paper, tablets	4					
Graph paper, tablets	4					
Engineer's scale (Triangular Ruler)	1					
Duquessne Light Co. phonebook	1					
SVPS EPP-Implementing Procedures Dose Assessment Section	10	EPP/IP-2 series				
Potassium Iodide Tablets	1 box			*		*Note expiration date.
Map 10 mile EPZ (Rolled-up)	1					
Keys to Hookstown & Kennedy's Corner Radio Stations (Labeled EPP Substation Keys)	Guard Station (Control Room)					
Metereological overlays	1 set					
Grease pencils (red, yellow, blue, white, black)	5 ea.					
Carbon copy memos	10					
Hi-Band Walkie Talkie Radios	At least 3					
Scotch Tape	2 Rolls					

Inventory Conducted by: _____ Date: _____

Reviewed by: Rad Tech _____ Date: _____

Rad Con Foreman

Follow-up Action Taken: _____

Item Replaced	Replaced By	Serial No./ EPP Section	Calibration Due Date/ Rev. No.	Dated	Rad. Con Foreman

When all items have been replaced and all deficiencies corrected, send 1 copy to Rad Con Supervisor and 1 copy to responsible EPP Supervisor. Transfer original to Office Records file.

INVENTORY CHECKLIST - EMERGENCY CABINET NO. 2

Location: Fire Brigade Storage Room - Turbine Deck
(See Control Room for Key)

Item/ Equipment	Quantity (✓)	Serial No.	Issue / Rev. No.	Calib. Due Date	Available/ Operable	Remarks
Rolls of radiation warning tape	6					
Roll of tuck tape	1					
Rolls of radiation barrier tape	4					
Anti-C's coveralls	8 prs.					
shoe covers	8 prs.					
gloves	8 prs.					
head covers	8					
Grease pencils	5 (min.)					
Pencils (sharp)	24					
Flashlight (+Spare Batteries)*	2					*
Dosimeter Charger and Battery *	1					*
MSA Air Packs	5 (min.)					*Check Air Cylinder Pressure (>2000 psi)
Extra Breathing Air Cylinders	5 (min)					*Check Air Cylinder Pressure (>2000 psi)
Personnel Carrier	1	(Located on Turbine Deck Area)				

* Replace batteries with new ones each quarterly check and verify operable.
Inventory Conducted by: _____ Date: _____

Rad Tech

Reviewed by: _____ Date: _____
Rad Con Foreman

Follow-up Action Taken: _____

Item Replaced	Replaced By	Serial No. /EPP Sect.	Calibration Due Date/ Rev. No.	Dated	RadCon Foreman

When all items have been replaced and all deficiencies corrected, send one copy to Rad Con Supervisor and one copy to responsible EPP Supervisor. Transfer original to Office Records File.

Water Monitoring Team Kit

Location: Fire Brigade Storage Room - Turbine Deck
(Inside Emergency Cabinet No. 2)

Item/ Equipment	Quantity (✓)	EPP Section	Issue / Rev. No.	Calib. Due Date	Available/ Operable	Remarks
1 liter poly- ethylene bottle	20					
Watch	1					
Two Gal. Bucket	1					
Light rope	~ 30 ft.					
Flashlight (+ spare batteries)*	2					*
Raincoats & caps	2					
Flow Pens	2					
Rubber gloves	2 pr.					
Pencils (sharp)	12					
Adhesive labels	50					
Ruled paper tablet	2					
Offsite Monitor- ing Liquid Proc.	2	EPP/IP- 2.4+2.7				
Dimes (envelope)	20					
Saran Wrap (pro- tect detector)	1 box					
Button Source (Cs-137)	1					

*Replace batteries with new ones each quarterly check and verify operable.

Inventory Conducted by: _____ Date: _____
Rad Tech

Reviewed by: _____ Date: _____
Rad Con Foreman

Follow-up Action Taken: _____

Item Replaced	Replaced By	Serial No /EPP Sect	Calibration Due Date/Rev No.	Dated	RadCon Foreman

When all items have been replaced and all deficiencies corrected, send one copy to Rad Con Supervisor and one copy to responsible EPP Supervisor. Transfer original to Office Records File.

Inventory for Monitoring Kit 1

Location: Fire Brigade Storage Room - Inside Emergency Cabinet No. 1

Item/Equipment	Quantity (✓)	Serial No./ EPP Section	Issue Rev. No.	Calibration Due Date	Available/ Operable	Remarks
S.M. survey Inst. 2140, Probe HP-110A	1 ea					
S.M. survey Inst. 2530, Probe HP-110A	1 ea					
Survey Inst. - Ion Chamber	1					
Self-reading dosimeters (0-500 mrem)	1					Reject, if necessary
NPPS-EPP Imp./measuring Procedures Dose Assessment Section	1	EPP/IP- 1 series				
Re-entry to Affected Area procedure	1	EPP/IP - 5.1				
Flashlights (& spare batteries)*	1					
Watch	1					
Air Sampler - DC	1					Note: (1)
Air Sampler filters	10					
Air sampler charcoal cartridges	10					
Silver Zeolite Cartridges	12					
Potassium Iodide Tablets	10 Bottles			**		**Note Expiration Date
Beaver Valley Planning Commission maps of Beaver County	1					
Clipboard	1					
Pencils (sharpened)	12					
Polyethylene bags	10					
Rolls of tack tape	1					
Tags	10					
Anti-C's						
overall	1 pr.					
shoe covers	4 pr.					
gloves	4 pr.					
head covers	1					
Respirators and cartridges	At least 1					Note: (2)
Raincoats and caps	1					
Dimes (Envelope)	10					
Radio Antenna	1					

*Replace batteries with new ones each quarterly check and verify operable.

NOTES: (1) Air Sampler: Check operability of Air Sampler by hooking up to the battery from the Radcon Emergency Carts. Connect Sampler to Battery for verification of Operability. Note flow rate in "Remarks" section. Connect charge to battery for recharging when complete.

(2) Respirators: For each respirator in Cabinet, check that seal on cartridge is unbroken. Record number of units and expiration dates above. Replace any unit that has been used or appears damaged, any cartridge that has seal broken or if expiration date within next 3 months.

Inventory Conducted By: _____ Date: _____
Rad Tech

Reviewed By: _____ Date: _____
Rad Con Foreman

Follow-up Action Taken: _____

Item Replaced	Replaced by	Serial No./EPP Section	Calib. Due Date/Rev. No.	Dated	Rad Con Foreman

When all items have been replaced and all deficiencies corrected, send one copy to RadCon Supervisor and one copy to responsible EPP Supervisor. Transfer original to Office Records File.

Inventory for Monitoring Kit 2
Location: Fire Brigade Storage Room - Inside Emergency Cabinet No. 2

Item/Equipment	Quantity (✓)	Serial No., EPP Section	Issue Rev. No.	Calibration Due Date	Available/ Operable	Remarks
S.M. Survey Inst. E140, Probe RP-110	1 Ea					
S.M. Survey Inst. E330, Probe RP-110	1 Ea					
Buvery Inst. - Ion Chamber	1					
Self-reading dosimeters (D-300 brom)	2					Rezero, if necessary
SVPS EPP Implementing Procedures Dose Assessment Section	2	EPP/IP-2 series				
Re-entry to Affected Area procedure	2	EPP/IP - 6.1				
Flashlights (& spare batteries)*	2					*
Watch	1					
Air sampler - DC	1					Note: (1)
Air sampler filters	50					
Air sampler charcoal cartridges	10					
Silver Zeolite cartridges	12					
Potassium Iodide Tablets	10 Bottles				**	**Note Expiration Date
Beaver Valley Planning Commission map of Beaver County	1					
Clipboard	1					
Pencils (sharpened)	12					
Polyethylene bags	20					
Rolls of tack tape	1					
Tags	20					
Anti C's coveralls	1 pr.					
shoe covers	+ pr.					
gloves	+ pr.					
head covers	1					
Respirators and cartridges	At least 2					Note: (2)
Raincoats and tape	2					
Times (Envelope)	10					
Radio Antenna	1					

*Replace batteries with new ones each quarterly check and verify operability.

NOTES: (1) Air Sampler: Check operability of Sampler by hooking up to the battery from the Radcon Emergency Air Sample Carts. Connect Sampler to Battery for verification of Operability. Note flow rate in "Remarks" section. Connect charge to battery for charging when complete.

(2) Respirators: For each respirator in cabinet, check that seal on cartridge is unbroken. Record number of units and expiration dates above. Replace any unit that has been used or appears damaged, any cartridge that has seal broken or if expiration date within next 3 months.

Inventory Conducted by: Rad Tech Date: _____

Reviewed by: Rad Con Foreman Date: _____

Follow-up Action Taken: _____

Item Replaced	Replaced by	Serial No./EPP Section	Calib. Due Date/Rev. No.	Dated	Rad Con Foreman

When all items have been replaced and all deficiencies corrected, send one copy to RadCon Supervisor and one copy to responsible EPP Supervisor. Transfer original to Office Records File.

INVENTORY CHECKLIST - EMERGENCY CABINET NO. 1

Emergency Squad Radiological Control Equipment
Location: Controlled Area Hallway

Item/Equipment	Quantity	Serial No.	Issue/Rev. No.	Calib. Due Date	Available/Operable	Remarks	
First Aid Kits	2						
MSA Air Packs	5 (min)	Located on Chem Lab Wall					*Check Air Cylinders Pressure >1000 psig
Breathing Air Cylinders	5 (min)	Located on Chem Lab Wall					*Check Air Cylinders Pressure >2000 psig
Potassium Iodide Tablets	1 box			**		**Note Expiration Date	
Anti-C Coveralls	5 pr.						
Cloth gloves	5 pr.						
Rubber gloves	5 pr.						
Rubber boots	5 pr.						
Shoe Covers	5 pr.						
Hoods	5						
Raincoats	5						
Respirators and Cartridges	At least 5					Note: (1)	
Flashlight (+ Spare Batteries)*	3					*	
Rescue Rope ~ 100 Ft. - 1/2"	1						
Dosimeter Charger & Battery *	1					*	
Splints (Wood)	6 sets						
Air Splints	5						
Ice Packs	5						
Emergency blankets	3						

*Replace batteries with new ones each quarterly check and verify operable.

NOTE: (1) Respirators: For each respirator in Cabinet, check that seal on cartridge is unbroken. Record number of units and expiration dates above. Replace any unit that has been used or appears damaged, any cartridge that has seal broken or if expiration date within next 3 months.

Inventory Conducted by: _____ Date: _____

Reviewed by: _____ Date: _____
Rad Con Foreman

Follow-up Action Taken: _____

Item Replaced	Replaced by	Serial No./EPP Section	Calib. Due Date/Rev. No.	Dated	Rad Con Foreman

When all items have been replaced and all deficiencies corrected, send one copy to RadCon Supervisor and one copy to responsible EPP Supervisor. Transfer original to Office Records File.

Inventory for Monitoring Kit 1
Location: Emergency Squad Cabinet No. 1 (Controlled Area Railway)

Item/Equipment	Quantity (w/)	Serial No./ EPP Section	Issue / Rev. No.	Calibration Due Date	Available/ Operable	Remarks
G.M. survey inst. EI-10, Probe KP-110	1 ea					
G.M. survey inst. ES30, Probe KP-140	1 ea					
Survey Inst. - Ion Chamber	1					
Self-reading dosimeters (0-500 mrem)	2					Rezero, if necessary
SVPS-EPP Implementing Procedures Dose Assessment Section	2	EPP/IP-2 series				
Re-entry to Affected Area procedure	2	EPP/IP - 5.1				
Flashlights (& spare batteries) *	7					*
Watch	1					
Air sampler - AC	1					Note: (1)
Air sampler filters	50					
Air sampler charcoal cartridges	10					
Silver Zeolite cartridges	12					
Potassium Iodide Tablets	10 bottles				**	**Note Expiration Date
Beaver Valley Planning Commission maps of Beaver County	2					
Clipboards	1					
Pencils (sharpened)	12					
Polyethylene bags	20					
Rolls of duct tape	1					
Tags	30					
Anti-C's						
coveralls	2 pr.					
shoe covers	4 pr.					
gloves	4 pr.					
head covers	2					
Respirators and cartridges	As listed ?					Note: (2)
Raincoats and caps	2					
Oines	20					

*Replace batteries with new ones each quarterly check and verify operable.

NOTES: (1) Air Sampler: AC Power Supply Unit Air Sampler should be plugged into the nearest AC outlet and checked for verification of operability. Note flow rate in "Remarks" section.

(2) Respirators: For each respirator in Cabinet, check that seal on cartridge is unbroken. Record number of units and expiration dates above. Replace any unit that has been used or appears damaged, any cartridge that has seal broken or if expiration date within next 3 months.

Inventory Conducted By: _____ Date: _____
Rad Tech

Reviewed By: _____ Date: _____
Rad Con Foreman

Follow-Up Action Taken: _____

Item Replaced	Replaced By	Serial No./ EPP Section	Calib. Due Date/Rev. No.	Dated	Rad Con Foreman

When all items have been replaced and all deficiencies corrected, send one copy to Rad Con Supervisor and one copy to responsible EPP Supervisor. Transfer original to Office Records File.

INVENTORY CHECKLIST - EMERGENCY CABINET (DESK) NO. 4

Alternate Emergency Operations Facility
Location: South Heights T + D Building (Main Office Area; Desk)

Item/Equipment	Quantity (✓)	Serial No./EPP Section	Issue / Rev. No.	Calib. Due Date	Available/Operable	Remarks
BVPS EPP (Control Copy No. 4)	1	Complete Books EPP & IP's				
Radio Console	1					
Hi-Bank Walkie-Talkie Radios	2					*
Beaver County Maps	10					
Pencils Sharpened	12					
Ruled paper, tablets	4					
Graph paper, tablets	4					
EPP-IP's; Dose Assessment Sec.	10	EPP/IP - 2 series				
Potassium Iodide Tablets	1 box				**	**Note Expiration Date
Grease pencils	5 (min.)					
Geodetic survey map -10 mile EPZ	1		(Wall Mounted)			
Waterological overlays	1 set					
Scotch tape	2 rolls					

NOTE: Keys to Desk and Cabinet No. 4 are located in call box, located on Desk.

*Walkie-Talkie Radios must be checked per Instructions taped on Desk.

Inventory Conducted by: _____ Date: _____
Rad Tech

Reviewed by: _____ Date: _____
Rad Con Foreman

Follow-up Action Taken: _____

Item Replaced	Replaced By	Serial No. EPP Section	Calib Due Date/Rev. No	Dated	RadCon Foreman

When all items have been replaced and all deficiencies corrected, send one copy to RadCon Supervisor and one copy to responsible EPP Supervisor. Transfer original to Office Records File.

Item/Equipment	Quantity ()	Serial No./ EPP Section	Issue Rev. No.	Calibration Due Date	Available/ Operable	Remarks
G.M. survey inst. E140, Probe HP-110	1 ea					
G.M. survey inst. E530, Probe HP-140	1 ea					
Survey Inst. - Ion Chamber	1					
Self-reading dosimeters (0-500 urem)	2					Rezero, if necessary
BVPS EPP-Implementing Procedures Dose Assessment Section	1	EPP/IP 2 series				
Re-entry to Affected Areas procedure	2	EPP/IP - 6.1				
Flashlights (& spare batteries)*	2					*
Watch	1					
Air sampler - DC	1					Note: (1)
Air sampler filters	30					
Air sampler charcoal cartridges	10					
Silver Zeolite cartridges	12					
Beaver Valley Planning Commission maps of Beaver County	2					
Potassium Iodide Tablets	10 bottles			**		**Note Expiration Date
Clipboard	1					
Pencils (Sharpened)	12					
Polyethylene bags	20					
Rolls of tack tape	1					
Tags	30					
Anti-C's coveralls	2 pr.					
shoe covers	4 pr.					
gloves	4 pr.					
head covers	2					
Respirators and cartridges	At least 2					Note: (2)
Raincoats and caps	2					
Dimes (Envelope)	20					
Dosimeter Charger - Batteries	1					* (Located in Cabinet for both kits)

*Replace batteries with new ones each quarterly check and verify operable.

NOTES: (1) Air Samplers: Connect unit up to car battery for operability verification. Note flow rate in "Remarks" section.
 (2) Respirators: For each respirator in Cabinet, check that seal on cartridge is unbroken. Record number of units and expiration dates above. Replace any unit that has been used or appears damaged, any cartridge that has seal broken or if expiration date within next 3 months.

Inventory Conducted by: _____ Date: _____
 Rad Tech

Reviewed by: _____ Date: _____
 Rad Con Foreman

Follow-up Action Taken: _____

Item Replaced	Replaced By	Serial No./EPP Section	Calib. Due Date/Rev No.	Dated	Rad Con Foreman

When all items have been replaced and all deficiencies corrected, send one copy to RadCon Supervisor and one copy to responsible EPP Supervisor. Transfer original to Office Records File.

INVENTORY CHECKLIST - MONITORING KITS

Inventory for Monitoring Kit 3
Location: Alameda EPP (South Heights, T & D Site)

Item/Equipment	Quantity (✓)	Serial No., EPP Section	Issue / Rev. No.	Calibration Due Date	Available/ Operable	Remarks
G.M. survey inst. 6140, Probe HP-113	1 ea					
G.M. survey inst. 6330, Probe HP-143	1 ea.					
Survey inst. - Ion Chamber	1					
Self-reading dosimeters (0-500 mrem)	2					Rezero, if necessary
S/PS-EPP Implementing Procedures Dose Assessment Section	2	EPP/IP-2 series				
Exponent to Affected Areas procedure	2	EPP/T - 6.1				
Flashlights (& spare batteries)*	2					*
Watch	1					
Air sampler - DC	1					Note: (1)
Air sampler filters	30					
Air sampler charcoal cartridges	10					
Silver Zeolite cartridges	12					
Potassium Iodide Tablets	10 bottles			**		**Note Expiration Date
Beaver Valley Panning Commission maps of Beaver County	2					
Clipboard	1					
Pencils (sharpened)	12					
Polyethylene bags	20					
Rolls of tack tape	1					
Tags	30					
Anti-C's						
coveralls	2 pr.					
shoe covers	4 pr.					
gloves	4 pr.					
head covers	2					
Respirators and cartridges	At least 2					Note: (2)
Raincoats and caps	2					
Dimes (Envelope)	20					

*Replace batteries with new ones each quarterly check and verify operable.

NOTES: (1) Air Sampler: Connect unit up to car battery for operability verification. Note flow rate in "Remarks" section.
(2) Respirators: For each respirator in Cabinet, check that seal on cartridge is unbroken. Record number of units and expiration dates above. Replace any unit that has been used or appears damaged, any cartridge that has seal broken or if expiration date within next 3 months.

Inventory Conducted by: _____ Date: _____
Rad Tech

Reviewed by: _____ Date: _____
Rad Con Foreman

Follow-up Action Taken: _____

Item Replaced	Replaced By	Serial No./EPP Section	Calib Due Date/Rev. No.	Dated	Rad Con Foreman

When all items have been replaced and all deficiencies corrected, send one copy to RadCon Supervisor and one copy to responsible EPP Supervisor. Transfer original to O-Office Records File.

INVENTORY CHECKLIST - FIRST AID ROOM

Location: Turbine Bldg. Elev. 735, near Elevator

Item/ Equipment	Quantity (✓)	Serial No.	Issue / Rev. No.	Calib. Due Date	Available/ Operable	Remarks
Roll of Blotting Paper	30 Ft.					
Large Yellow Poly Bags	10					
Small Yellow Poly Bags	20					
Anit-C's Coveralls	5 pr					
Shoe covers	10 pr					
Gloves (cloth & rubber)	10 pr					
Head covers	4					
Respirators	At least 5					Note (1)
Lead Blankets	3					
Roll Tuck Tape	1					
Dosimeters	5					Rezero, if necessary

NOTE: (1) Respirators: For each respirator in Cabinet, check that seal on cartridge is unbroken. Record number of units and expiration dates above. Replace any unit that has been used or damaged, any cartridge that has seal broken or expiration date within next 3 months.

Inventory Conducted by: _____ Date: _____
Rad Tech

Reviewed by: _____ Date: _____
Rad Con Foreman

Follow-up Action Taken: _____

Item Replaced	Replaced By	Serial No./ EPP Section	Calib Due Date/Rev No.	Dated	RadCon Foreman

When all items have been replaced and all deficiencies corrected, send one copy to RadCon Supervisor and one copy to responsible EPP Supervisor. Transfer original to Office Records File.

INVENTORY CHECKLIST - CONSTRUCTION ASSEMBLY AREA

Location: Service Group Trailer Complex

Item/ Equipment	Quantity ()	Serial No.	Issue / Rev. No.	Calib. Due Date	Available/ Operable	Remarks
Air Sampler (AC) w/Square Sample head	1					Note (1)
Air Sampler Filters	50					
Air Sampler Char- coal Cartridge	10					
Silver Zeolite Cartridges	12					
Dosimeters	4					Rezero, if necessary
Dosimeter Charger + Battery *	1					*
Emergency Plan for Construction Personnel	2 copies	EPP/IP - 3.1.1				
Ruled Tablet Paper	2					
Pencils (sharp)	6					
Flashlight (+ Spare Batteries)*	3					*
First Aid Kit	1					

*Replace batteries with new ones each quarterly check and verify operable.

NOTE: (1) Air Sampler: AC Power Supply Unit should be plugged into nearest AC outlet and checked for operability. Note flow rate in Remarks column.

Inventory Conducted by: _____ Date: _____
Rad Tech

Reviewed by: _____ Date: _____
Rad Con Foreman

Follow-up Action Taken: _____

Item Replaced	Replaced By	Serial No./ EPP Section	Calib. Due Date/Rev No.	Dated	RadCon Foreman

When all items have been replaced and all deficiencies corrected, send one copy to RadCon Supervisor and one copy to responsible EPP Supervisor. Transfer original to Office Records File.

INVENTORY CHECKLIST - SCHNEIDER SUPERVISORY ASSEMBLY AREA

Location: DLC-CDM/Schneider Supervisory Trailer Complex

Item/ Equipment	Quantity ()	Serial No.	Issue / Rev. No.	Calib. Due Date	Available/ Operable	Remarks
Air Sampler (AC) w/Spare Sample head	1					Note (1)
Air Sampler Filters	50					
Air Sampler Char- coal Cartridge	10					
Silver Zeolite Cartridges	12					
Dosimeters	4					Rezero, if necessary
Dosimeter Charger + Battery *	1					*
Emergency Plan for Construction Personnel	2 copies	EPP/IP - 3.1.1				
Ruled Tablet Paper	2					
Pencils (sharp)	6					
Flashlight (+ Spare Batteries)*	3					*
First Aid Kit	1					

*Replace batteries with new ones each quarterly check and verify operable.

NOTE: (1) Air Sampler: AC Power Supply Unit should be plugged into nearest AC outlet and checked for operability. Note flow rate in "Remarks" column.

Inventory Conducted by: _____ Date: _____
Rad Tech

Reviewed by: _____ Date: _____
Rad Con Foreman

Follow-up Action Taken: _____

Item Replaced	Replaced By	Serial No./ EPP Section	Calib. Due Date/Rev No.	Dated	RadCon Foreman

When all items have been replaced and all deficiencies corrected, send one copy to RadCon Supervisor and one copy to responsible EPP Supervisor. Transfer original to Office Records File.

INVENTORY CHECKLIST - ADMINISTRATION BLDG. ASSEMBLY AREA

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Location: New Administration Building (basement floor)
Supply Cart (Located in Electrical Equipment Room; Key A-7 or Master)

Item/ Equipment	Quantity ()	Serial No.	Issue Rev. No.	Calib. Due Date	Available/ Operable	Remarks
RM 14 or equivalent (w/HP-210 Probe)	1					
Survey Inst-Ion Chamber	1					
Pot. Iodide Tablets	1 box					
Air Sampler (AC&DC) w/Spare Sample head	1					Note (1)
Air Sampler Filters	50					
Air Sampler Char- coal Cartridge	10					
Silver Zeolite Cartridges	12					
Dosimeters	4					Rezero, if necessary
Dosimeter Charger + Battery *	1					*
Emergency Plan For Admin. Bldg. Personnel	2 copies	EPP/IP- 3.1.3				
Ruled Tablet Paper	2					
Pencils (sharp)	6					
Flashlight (+ Spare Batteries)*	3					*

*Replace batteries with new ones each quarterly check and verify operable.

- NOTE: (1) DC Air Sampler: DC Battery Power Supply located in Admin. Bldg. Communication Battery Room on Cart. Connect Sampler to Battery for verification of Operability. Note flow rate in "Remarks" section. Connect charge to battery for charging when complete.
- (2) AC Air Sampler: AC Power Supply unit should be plugged into nearest AC outlet and note flow rate in "Remarks" section.

Inventory Conducted by: _____ Date: _____

Rad Tech

Reviewed by: _____ Date: _____

Rad Con Foreman

Follow-up Action Taken: _____

Item Replaced	Replaced By	Serial No./ EPP Section	Calib. Due Date/Rev No.	Dated	Radcon Foreman

When all items have been replaced and all deficiencies corrected, send one copy RadCon Supervisor and one copy to responsible EPP Supervisor. Transfer original to Office Records File.

INVENTORY CHECKLIST - TECHNICAL SUPPORT CENTER
Location: New Administration Bldg. Basement; TV Monitor Area
(See General Office for Key No. ES-101)

Item Equipment	Quantity	Serial No.	Issue/ Sub. No.	Available Operable	Remarks
EVPS EPP Control Copy #1	1	Volume I & II Complete Book EPP & IP's			
EVPS Tech. Spec. Book	1				
DLC/EVPS Phone List Book	1				
TV Monitors	7				
Camera Controls (TK - 1, 2 - 3)	1				
Videocassette Recorders w/spare Tapes 3/4"	1				
Radio Console	1				
Bell Phone Books (Pick & Beaver County)	1				
Clipboards	3				
Laminated Flow Chart Diagrams	3				
Stapler (w/extra box staples)	1				
Pencils	1 doz (min)				
Pens	1 doz (min)				
Grease pencils	1 doz (min)				
Tablets	1 doz (min)				
DLC Memo call pads	6				
Scissors	2				
Mini-Amplifier Spkr (+ batteries)	4				
Potassium Iodide Tablets	1 box				**Note Expiration Date
Geodetic Survey Map (10 mile EPZ)	1		(Wall Mounted)		
Scotch Tape Rolls	1				

Inventory Conducted by: _____ Rad Tech _____ Date: _____
 Reviewed by: _____ Rad Con Foreman _____ Date: _____
 Follow-up Action Taken: _____

Item Replaced	Replaced By	Serial No. EPP Section	Cal'd Due Date/Rev. No	Dated	RadCon Foreman

When all items have been replaced and all deficiencies corrected, send one copy to RadCon Supervisor and one copy to responsible EPP Supervisor. Transfer original to Office Records File.

Item Description	Quantity	Serial No.	Issue/Rev. No.	Available/Operable	Remarks
SVPS EPP Control Copy #8	1	Volume I & II Complete Books EPP & EP's			
Copy of Beaver County Plan	1				
Copy of Pennsylvania State Plan (Annex E)	1				
Copy of Columbiana County Pica	1				
Copy of Ohio State Plan	1				
Copy of Hancock County Plan	1				
Copy of State of West Virginia Plan	1				
IAPS Emergency Plan	1				
Bell Phone Books (Pict. & Beaver County)	1				
Clipboards	3				
Laminated Flow Chart Diagrams (EOP)	1				
Stapler (w/extra box staples)	1				
Pencils	1 doz (min)				
Pens	1 doz (min)				
Grease pencils	1 doz (min)				
Tablets	1 doz (min)				
DLC Memo call pads	5				
Scissors	1				
SVPS Site Map	1				
Survey Route Maps	3				
Geodetic Survey Map (10 mile EPP)	1	(Wall Mounted)			
Scotch Tape Rolls	1				
Potassium Iodide Tablets	1 box				**Note Expiration Date

Inventory Conducted by: _____ Date: _____
 Rad Tech

Reviewed by: _____ Date: _____
 Rad Con Foreman

Follow-up Action Taken: _____

Item Replaced	Replaced By	Serial No. EPP Section	Call's Due Date/Rev. No	Date	RadCon Foreman

When all items have been replaced and all deficiencies corrected, send one copy to RadCon Supervisor and one copy to responsible EPP Supervisor. Transfer original to Office Records File.

INVENTORY CHECKLIST - OPERATIONS SUPPORT CENTER CABINET
Location: Emergency Shutdown Panel Area Process Insc. Room

Item/Equipment	Quantity	Serial No.	Calibration Due Date	Available/Operable	Remarks
Survey Instr.-Ion Chamber	1				
I-140 or equivalent	1				
Air Sampler - AC w/spare sample head	1				Note: (1)
Dosimeter Charger	1				
Dosimeters	10 (exp)				
TLD's (Extremity Sacs)	10 sets of 4				
Flashlights (w/batteries)	1				*
Anti C's coveralls	12				
hoods	12				
rubber gloves	12 pair				
cotton gloves	12 pair				
shoe covers	12 pair				
Respirators w/GM Counter Respirators	12				Note: (2)
Cartridges -silver scintis	10				
Cartridges - GEISCO	10 boxes				
Filters	5 boxes				
Clear Sample Bags	12				
Yellow Sample Bags	12				
Tuck Tape	2 rolls				
Pencils (sharpened)	4				
Flow Markers	6				
Tablets	2				
Clipboards	2				
Pens	1				
Radioactive material tape	1 rolls				
Contaminated water A tape	1 rolls				
Radiation area signs	6				
High Radiation Area signs	6				
Pre-made Step-off pads	2				
Dosimeter & Monitoring badge Required signs	6				
Controlled Area signs	13				

(Continued on next page)

*Replace batteries with new ones each quarterly check and verify operable.

- NOTES: (1) Air Sampler: AC Power Supply Unit should be plugged into the nearest AC outlet and checked for operability. Note flow rate in the "Remarks" section.
- (2) Respirators: For each respirator in Cabinet, check that seal on cartridge is unbroken. Record number of units and expiration dates above. Replace any unit that has been used or appears damaged, any cartridge that has seal broken or if expiration date within next 3 months.

INVENTORY CHECKLIST - OPERATIONS SUPPORT CENTER (ASBESTOS)

Location: Emergency Shutdown Panel Area Process Inst. 1 ppm (continued)

Item/Equipment	Quantity	Serial No.	Calibration Due Date	Available/Operable	Remarks
Yellow poly bags	12				
Green poly bags	6				
Radiation barrier tape	2 rolls				
Radiation barrier ribbon	2 rolls				
Knives (or scissors)	2				
Disposable gloves	1 pair				
Survay map	1				
Potassium Iodide Tablets	1 box		**	Notes: Expiration Date	
Cell Telephone	1				

Inventory Conducted by: Rad Tech Date: _____
 Reviewed by: Rad Con Foreman Date: _____
 Follow-up Action Taken: _____

Item Replaced	Replaced By	Serial No./EPP Section	Calib. Due Date/Rev. No.	Date	Rad Con Foreman

When all items have been replaced and all deficiencies corrected, send one copy to Rad Con Supervisor and one copy of responsible EPP Supervisor. Transfer original to Office Records file.

Item/Equipment	Quantity	Serial No.	Calibration Due Date	Available/Operable	Remarks
NVPS-EPP Implementing Procedure (Area Ass. Section)	1	Section 1 Series	Issue Rev.		
NVPS-EPP Implementing Procedure (Decont. Procedure)	1	IP 4.1	Issue Rev.		
Instructions for Liquid Nitrogen Refrigerator	1				
Instructions for Portable Generator	1				
Instructions for Gasoline Generator	1				
Instructions for MD 66 and Associated Equip.	1				
Liquid Nitrogen Refrigerator	1				
Germanium Detector	1	1053			
Portable Generator 1500 WATT W/Recharging Straps (2)	1	4-81			
Gasoline Generator 500 WATT Honda	1	9317-410			
MD-66 Nuclear Data Computer	1	4-84			
Silent 700 Printer	1	4-92			
Computer and Digital Data Recorder	1	4-15			
TRS-40 Computer Cassette Tape	5				
Educating Speed Tape	1				
Ear Plug to Digital Data Recorder	1				
Printer Paper (Rolls)	5				
MD 2A Ion Chamber	1				
EL-0 N/HP 110 Probe	1				
E510/HP 170 Probe	1				
PAC-40/AC-11 Probe (Alpha)	1				
Potassium Iodide Tablets	10 Bottles				** Note Expiration Date
Respirators & Cartridges	2				Note: (1)
Radeco Air Sampler (D.C.)	1				Note: (2)
Radeco Air Sampler (A.C.)	1				Note: (2)
Filter Paper	1 Boxes				
Casco Cartridges	10 Boxes				
Zeolite Cartridges	10	BN-4			
Liter Bottle	50				
Liquid Propane Instrument Gas Bottles (6oz)	5				
Alicca Clear Wrap 1000 Fc x 18" Roll	1				
Plastic Bags (cheat) 6" x 3"	100				
Green Poly Bags 12" x 24"	18				

(Continued on next page)

NOTES: (1) Respirators: For each respirator, check that the seal on cartridge is unbroken. Record expiration dates above. Replace any unit that has been used or appears damaged, any cartridge with seal broken, or if expiration date is within next three months.

(2) DC Air Sampler: Connect unit up to air battery for verification of operability. Note flow rate in "Remarks" section.

AC Air Sampler: AC Power Supply unit should be plugged into nearest AC outlet and note flow rate in "Remarks" section.

INVENTORY CHECKLIST - RADIOLOGICAL EMERGENCY (W/ continued)

Item/Equipment	Quantity	Serial No	Calibration Due Date	Available/Operable	Remarks
Tape	1				
Lined Paper Tablets	1				
Fire Extinguisher	1			**	** Check Gage Pressure
Tool Kit	1				
Tuck Tape (Roll)	1				
Eye Wash Neutralizing Bottle	1				
Gasoline Can (1 Gallon)	1				
Funnel and Hose	1				
Stranding Rod	1				
Heavy Duty Extension Cord	1				
Light Extension Cord	3				
Tygon Hose (6 Ft)	1				
Loose Spark Plug	1				
Worse Hide Gloves	1 pair				
Heavy Duty Gloves	1 pair				
Flash Lights (w/Batteries)	2 *				*
Morocora Transceiver with Microphone	1				
Highway Warning Devices (Reflectors)	1 box				
Chair with Restraining Strap	1				
12 Volt Battery	1				
Electrical Outlet Adapters	2				
Synon Pump	1				
Table Top	1				

*Replace batteries with new ones each quarterly check and verify operable.

Inventory Conducted by: _____ Rad Tech _____ Date: _____

Reviewed by: _____ Rad Con Foreman _____ Date: _____

Follow-up Action Taken: _____

Item Replaced	Replaced By	Serial No./EPP Section	Calib. Due Date/Rev. No.	Date	Rad Con Foreman

When all items have been replaced and all deficiencies corrected, send one copy to Radcon Supervisor and one copy to responsible EPP Supervisor. Transfer original to Office Records file.

INVENTORY CHECKLIST EPP AIR SAMPLE CART

* Cart No. _____ (Min. of 2)
Location: Turbine 735 Elev.

Item/Equipment	Quantity	Serial No.	Calibration Due Date	Available/Operable	Remarks
Coveralls	1				
Plastic Suits	1				
Anti C's					
shoe covers	1 pair				
rubber gloves	1 pair				
cloth gloves	1 pair				
hoods	1				
Air Sampler - DC	1				Note: (1)
Respirators (w/GM Canister)	1				Note: (2)
Survey Inst. - Ion chamber	1				
Battery (12 Volt)	1				
Battery Charger	1				
EM-14 or equivalent (w/HP-210 Probe)	1				
Spare Air Sampler Head	1				
Cartridges - GESCO	10/box - 1 box				
Cartridges - silver zeolite	20				
Filters	100/box - 2 boxes				
Clear Sample Bags	24				
Potassium Iodide Tablets	10 Bottles				** Note Expiration Date
Pencils (sharpened)	2				
Flow pens	2				
Green poly bags - 12" x 18"	4				
Yellow poly bags - 12" x 4"	4				
Tuck Tape	1 roll				
Tablets	2				
Site Survey Maps	10				
Air Sample Record Cards	30				

*A minimum of two (2) Carts shall be maintained available/operable at all sites. Two of these forms shall be filled out, whenever applicable.

NOTES: (1) Air Sampler: Connect Sampler to Battery for verification of Operability. Note flow rate in "Remarks" section. Connect charge to battery for recharging when complete.

(2) Respirators: For each respirator in Cabinet, check that seal on cartridge is unbroken. Record number of units and expiration dates above. Replace any unit that has been used or appears damaged, any cartridge that has seal broken or if expiration date within next 3 months.

Inventory Conducted by: _____ Date: _____
Rad Tech

Reviewed by: _____ Date: _____
Rad Con Foreman

Follow-up Action Taken: _____

Item Replaced	Replaced By	Serial No./EPP Section	Calib. Due Date/Rev. No.	Dated	Radcon Foreman

When all items have been replaced and all deficiencies corrected, send one copy to RadCon Supervisor and one copy to responsible EPP Supervisor. Transfer original to Office Records file.

INVENTORY CHECKLIST - EPP AIR SAMPLE CART

* Cart No. (Min. of 2)
Location: Turbine 735 Elev.

Item/Equipment	Quantity	Serial No.	Calibration Due Date	Available/Operable	Remarks
Coveralls	1	X	X		
Plastic Suits	1	X	X		
And C's		X	X		
shoe covers	2 pair	X	X		
rubber gloves	2 pair	X	X		
cloth gloves	2 pair	X	X		
hoods	1	X	X		
Air Sampler - DC	1	X	X		Note: (1)
Respirators (w/GSC Canister)	2	X	X		Note: (2)
Survey Inst. - Ion chamber	1	X	X		
Battery (12 Volt)	1	X	X		
Battery Charger	1	X	X		
EM-... or equivalent (w/HP-110 Probe)	1	X	X		
Spare Air Sampler Head	1	X	X		
Cartridges - GESCO	10/box - 1 box	X	X		
Cartridges - silver zeolite	10	X	X		
Filters	100/box - 2 boxes	X	X		
Clea. Sample Bags	24	X	X		
Potassium Iodide Tablets	10 Bottles	X	X		**Note Expiration Date
Pencils (sharpened)	2	X	X		
Flow pens	2	X	X		
Green poly bags - 12" x 18"	4	X	X		
Yellow poly bags - 12" x 4"	4	X	X		
Tuck Tape	1 roll	X	X		
Tablets	2	X	X		
Site Survey Maps	10	X	X		
Air Sample Record Cards	50	X	X		

*A minimum of two (2) Carts shall be maintained available/operable at all times. Two of these forms shall be filled out, whenever applicable.
NOTES: (1) Air Sampler: Connect Sampler to Battery for verification of Operability. Note flow rate in "Remarks" section. Connect charge to battery for recharging when complete.

(2) Respirators: For each respirator in Cabinet, check that seal on cartridge is unbroken. Record number of use and expiration dates above. Replace any unit that has been used or appears damaged, any cartridge that has seal broken or if expiration date within next 3 months.

Inventory Conducted by: _____ Date: _____
Rad Tech

Reviewed by: _____ Date: _____
Rad Con Foreman

Follow-up Action Taken: _____

Item Replaced	Replaced By	Serial No./EPP Section	Calib. Due Date/Rev. No.	Dated	Radcon Foreman

When all items have been replaced and all deficiencies corrected, send one copy to RadCon Supervisor and one copy to responsible EPP Supervisor. Transfer original to Office Records file.