



UNITED STATES MARINE CORPS
MARINE CORPS RECRUIT DEPOT/EASTERN RECRUITING REGION
PO BOX 19001
PARRIS ISLAND, SOUTH CAROLINA 29905-9001

DepO 5104.1A
SAE'

25 MAR 2021

DEPOT ORDER 5104.1A

From: Commanding General
To: Distribution List

Subj: RADIATION SAFETY PROGRAM

Ref: (a) MCO 5104.3B
(b) AMHS Semi-Annual Inventory/Swipe
(c) DepO 1513.6G

Encl: (1) DD Form 1348-1A
(2) Wipe Test Analysis Request
(3) Building 953A Unwanted Radioactive Material (URM) Storage Site

1. Situation. As directed by reference (a), this Order is revised to establish policy, assign responsibilities, provides instruction, and sets forth the requirements for the administration of Radiation Safety aboard Marine Corps Recruit Depot Parris Island (MCRDPI).

2. Cancellation

a. DepO 5104.1

b. Summary of Changes. This revision contains a number of changes, which requires it to be reviewed in its entirety. The major modifications of this Order are as follows:

(1) Procedures for semi-annual swipe testing are established as required by reference (b).

(2) Procedures for the transfer and storage of the unserviceable lensatic compasses are established

3. Mission. All Depot units, tenant commands and contractors located aboard the depot that acquire, possess, use, store handle, transport, or dispose of sources of ionizing radiation in the form of radioactive materials or radiation producing equipment, are responsible for ensuring that when personnel may be exposed to ionizing radiation, controls are in place to provide all personnel a safe environment and facilities in which to work with or around radioactive commodities.

4. Execution

a. Commander's Intent and Concept of Operations

(1) Commander's Intent. Training, safety and compliance with applicable orders are inherent responsibilities of command. Commanders and department heads will observe and evaluate these procedures to ensure all

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personnel aboard MCRDPI are working in a safe environment and report any concerns to the depot safety and medical should there be any concerns that an unsafe activity has occurred regarding radiation commodities.

(2) Concept of Operations

(a) Reference (a) provides the foundation for the Marine Corps Radiation Safety Program.

(b) Reference (b) will provide instructions for the required reporting of the of radioactive material aboard the depot.

(c) This Order does not apply to the use of any medical x-ray equipment, fixed or portable, used by Health Service personnel in support of Depot operations.

b. Subordinate Element Tasks

(1) Commanding Officer (CO), Weapons & Field Training Battalion. Any compass that is deemed non-serviceable will be taken out of service, accounted for and transferred to Depot Safety utilizing enclosure (2). Ensure a copy of enclosure (2) is provided to the Assistant Chief of Staff, G-4 (AC/S, G-4) Supply and Services (SAS).

(2) CO, Recruit Training Regiment. Ensure that procedures are followed for any broken Rifle Combat Optics per reference (c).

(3) Depot Safety Manager

(a) Assign a Radiation Safety Manager in accordance with (IAW) reference (a).

(b) Ensure the URM storage locker located on Horse Island (enclosure (3)) is maintained, labeled correctly, and all contents are inventoried monthly.

(c) Ensure a semi-annual swipe test and inventory is conducted of the URM contents upon receipt of reference (b). Once the swipe test is performed, the swaps will be mailed to Marine Corps Base Albany Radiological branch utilizing the military MCRDPI post office. Should there be a positive result, conduct a trace contact and notify the individual's command so they can seek medical attention.

(d) Will conduct any Radiation awareness training classes for MCRDPI personnel in accordance with reference (a).

(e) Submit the monthly inventory of the URM to the MCRDPI Fire Department for their situational awareness.

(f) Ensure a proper turnover binder is on hand and current.

5. Administration and Logistics. Recommendations concerning this Order are invited and will be submitted to the Commanding General via the appropriate chain of command.

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6. Command and Signal

a. Command. All personnel within this Command will be guided by the policies set forth in this Order.

b. Signal. This Order is effective on the date signed.


J. L. NETHERCOT

DISTRIBUTION: A

DD FORM 1348-1A, JUL 91 (EG) ISSUE RELEASE/RECEIPT DOCUMENT

2 5 MAR 2021

CLEAR

27. ADDITIONAL DATA		28. RIC (4-6) UI (23-24) QTY (25-29) CONCODE (71) DIST (55-58) UP (74-80)		25. NATIONAL STOCK NO. & ADD (8-22)		24. DOCUMENT NUMBER & SUFFIX (30-44)	
1	2	3	4	5	6	7	8
DI D O C E N	RI M & S	QUANTITY	UI M S	QUANTITY	UI M S	QUANTITY	UI M S
406497484	090315253545357158590001	10203040540607080910	1121222324	151617181920	21222324	2526272829	3031323334
SUPPLIER'S ADDRESS		S I G		F U N D		DIS-TRIBUTION	
P R O J E C T		R I		D E L E A V		R I	
O C I M		P O N D		R I		O C I M	
UNIT PRICE		DOLLARS		CTS		1. TOTAL PRICE	
DOLLARS		CTS		7. FRT RATE		8. TYPE CARGO	
5. DOC DATE		6. M/F/C		10. QTY. RECD		11. UP	
10. QTY. RECD		11. UP		12. UNIT WEIGHT		13. UNIT CUBE	
14. U/F/C		15. S/L		16. FREIGHT CLASSIFICATION NOMENCLATURE		17. ITEM NOMENCLATURE	
18. TY CONT		19. ND CONT		20. TOTAL WEIGHT		21. TOTAL CUBE	
22. RECEIVED BY		23. DATE RECEIVED		2. SHIP FROM		3. SHIP TO	
4. MARK FOR							

WIPE TEST ANALYSIS REQUEST

CUSTOMER INFORMATION				WIPE TEST/SURVEY INFORMATION		
1. CUSTOMER RADCON				10. WIPE TEST PERFORMED BY		
2. CUSTOMER EMAIL ADDRESS debbie.cummings@usmc.mil		3. PHONE NUMBER (229) 639-7681		11. SURVEYOR EMAIL ADDRESS		12. PHONE NUMBER
4. ADDRESS RADIOLOGICAL CONTROLS OFFICE RADCON 814 RADFORD BLVD STE 20227				13. SURVEY / WIPE TEST LOCATION		
5. CITY ALBANY		6. STATE GA	7. ZIP CODE 31704	14. CITY		15. STATE
8. JON M131001				17. DATE SURVEY PERFORMED		18. TIME SURVEY PERFORMED
9. WIPE TEST PURPOSE				19. ISOTOPE	20. # OF WIPES	21. WIPE MEDIA USED Paper
± ROWS	22. BATCH / SAMPLE ID NUMBER	23. GROSS COUNT (cpm)	24. NET COUNT (cpm)	25. ACTIVITY (dpm)	26. ACTIVITY (µCi)	27. LOCATION / DESCRIPTION OF SAMPLE
- +						
- +						
- +						
- +						
- +						
- +						
- +						
- +						
-----NO FURTHER ENTRIES-----						
COUNTING INSTRUMENT DATA (LABORATORY USE ONLY)				28. DATE SUBMITTED		29. RECEIVED BY
The Standards below are calibrated each working day prior to use.		Sample Count Time = 5 minutes. Background Count Time = 10 minutes				
		30. ASSAY START DATE:		31. ASSAY START TIME:		
32. STANDARD USED: PerkinElmer 2800TR s/n DG04060857 Liquid Scintillation Counter						
33. EFF =		34. BKG =		35. MDA(dpm) =		36. MDA(µCi) =
37. REMARKS:						
ADD ATTACHMENTS						
38. DATE COMPLETED		39. COUNTER TECHNICIAN (PRINTED)			40. COUNTER TECHNICIAN (SIGNATURE)	
41. DATE REVIEWED		42. REVIEWER (PRINTED NAME)			43. REVIEWER (SIGNATURE)	

WIPE TEST ANALYSIS REQUEST**FORM INSTRUCTIONS:****(Blocks highlighted with a thicker border completed by the Counter Technician)****CUSTOMER INFORMATION: (Filled out by customer)**

1. CUSTOMER: Enter Customer submitting request.
2. CUSTOMER EMAIL ADDRESS: Enter email address
3. PHONE NUMBER: Enter customer's POC Phone number
4. to 7. ADDRESS: Enter customer's address (Street, City, State & Zip)
8. JON: Enter Job Order Number (RADCON Customers contact RADCON for a JON)
9. WIPE TEST PURPOSE: Describe purpose of wipe test e.g. Leak Test, Survey, Post Maintenance etc.

WIPE TEST/SURVEY INFORMATION: (Filled out by customer)

10. WIPE TEST PERFORMED BY: Enter the name(s) of the individual(s) who actually performed the wipes
11. SURVEYOR EMAIL ADDRESS: Enter the email address of the individual in block 10.
12. PHONE NUMBER: Enter customer's POC Phone number
13. to 16. SURVEY/WIPE LOCATION: Enter the location the wipes were taken. (The area surveyed or where the wipes were performed)
17. DATE SURVEY PERFORMED: Enter the date the wipes were taken
18. TIME PERFORMED: Enter the approximate time the wipes were taken
19. ISOTOPE: Enter the expected isotope.
20. # OF WIPES: Enter the number of sample wipes submitted
21. WIPE MEDIA USED: Enter the type of wipe media submitted. Paper, Glass Fiber or Q-Tip. (Q-tips are only acceptable for LSC Wipes).
- SAMPLE INFORMATION:** Blocks 22 & 27 completed by customer. Highlighted blocks 23 to 26 completed by Counter Technician
22. BATCH/SAMPLE ID NUMBER=: Enter the batch and each sample number (Filled out by customer)
23. GROSS COUNT (cpm): Enter the gross cpm of each sample.
24. NET COUNT (cpm): Enter the Net cpm of each sample. (Gross count minus the background)
25. ACTIVITY (dpm): Enter the dpm of each sample
26. ACTIVITY (μCi): Enter the activity of each sample or "<MDA" if activity is less than the Minimum Detectable Activity (MDA)
27. LOCATION/DESCRIPTION OF SAMPLE: Enter a description of each sample.
If survey, attach a diagram of area showing each sample. (Filled out by customer)

COUNTING INSTRUMENT DATA (LABORATORY USE ONLY): (Filled out by Counting Technician)

28. DATE SUBMITTED: Enter the date request received by the Radioanalytical Lab
29. RECEIVED BY: Initials or signature of Radioanalytical Laboratory personnel receiving request.
30. ASSAY START DATE: Enter the start date of the analysis from the attached raw data
31. ASSAY START TIME: Enter the start time of the analysis from the attached raw data
32. STANDARD USED: Select the lab counting system used
33. EFF=: Enter the efficiency of the counting system
34. BKG=: Enter the background reading in counts per minute (cpm)
35. MDA(dpm)=: Enter the Minimum Detectable Activity in disintegrations per minute (dpm)
36. MDA (μCi)=: Enter the Minimum Detectable Activity in microcuries (μCi)
37. REMARKS: Enter any remarks about the analysis
38. DATE COMPLETED: Enter date analysis is completed
39. COUNTER TECHNICIAN (PRINTED): Enter the name of the counter technician who performed the analysis
40. COUNTER TECHNICIAN (SIGNATURE): Enter the signature of the counter technician who performed the analysis
41. DATE REVIEWED: Enter date analysis reviewed
42. REVIEWER (PRINTED): Enter name of authorized reviewer
43. REVIEWER (SIGNATURE): Enter signature of authorized reviewer

ATTACH ANY DIAGRAMS, ORIGINAL WIPE TEST REQUESTS OR OTHER INFORMATION SUPPLIED BY CUSTOMER TO THIS REQUEST

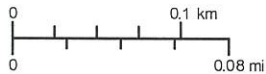


Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Bldg 953A URM Storage Site



GEOFidelis



Data Source - USDA FSA, GeoEye, Maxar, GEOFidelis |

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Projection - WGS84 Web Mercator
 Author - Web AppBuilder for ArcGIS
 Date - March 09 2021

THIS MAP IS FOR REFERENCE ONLY
 Reasonable efforts have been made to ensure the accuracy of this map. The map user bears responsibility for the appropriate use of the information with respect to possible errors.