

TRITIUM (H3) FIRE CONTROL/OPTICAL SHOPS
RADIATION SAFETY PROGRAM AUDIT CHECKLIST

In addition to USAREUR/7A USER/UNIT Level requirements:

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|-----------|---|
| YES NO NA | 1. Does the tritium fire control/optical shop have a published SOP? |
| YES NO NA | 2. Is the work site a controlled area? Have limited access? Secured? |
| YES NO NA | 3. Is the work area properly prepared? Bench(s) covered with kraft paper and secured with tape? |
| YES NO NA | 4. Are nitrogen gas gauges capable of measuring 3 PSI? |
| YES NO NA | 5. Are tritium storage/work/user areas monitored (liquid scintillation wipe test) accordingly <ul style="list-style-type: none">a. Field users storageQuarterly?b. DS/GS work areas and storage.....Quarterly?c. H3 instrument repair room.....Monthly? |
| YES NO NA | 6. Are tritium fire control storage requirements being met <ul style="list-style-type: none">a. No greater than a ratio of 1 curie per cubic foot (e.g. 1000 curies per 1000 cubic feet)?b. Maximum of 1000 curies of indoor storage? |
| YES NO NA | 7. Does the repair room have the proper air exchange (12 air exchanges/24 hour period)? |
| YES NO NA | 8. Are protective rubber gloves being worn during wipe tests and/or maintenance of H3 items? |
| YES NO NA | 9. Are spare parts stored in a separate, non-occupied and well ventilated storage area? |

YES NO NA

10. Are maintenance facilities PROHIBITED from removing or replacing H3 vials or any disassembly?

YES NO NA

11. Are maintenance personnel given annual radiation safety training that includes the hazards of tritium, emergency procedures, and biological effects of radiation.

YES NO NA

12. Is radiation safety training performed and documented that includes

a. All personnel that use tritium.....1 hour

b. Repair personnel.....4 hours

c. Local Radiation Safety Officers (LRSO).....8 hours

PERSONNEL INTERVIEWED:

NAME UNIT PHONE NUMBER