

3. JOB ORDER NO.
25251

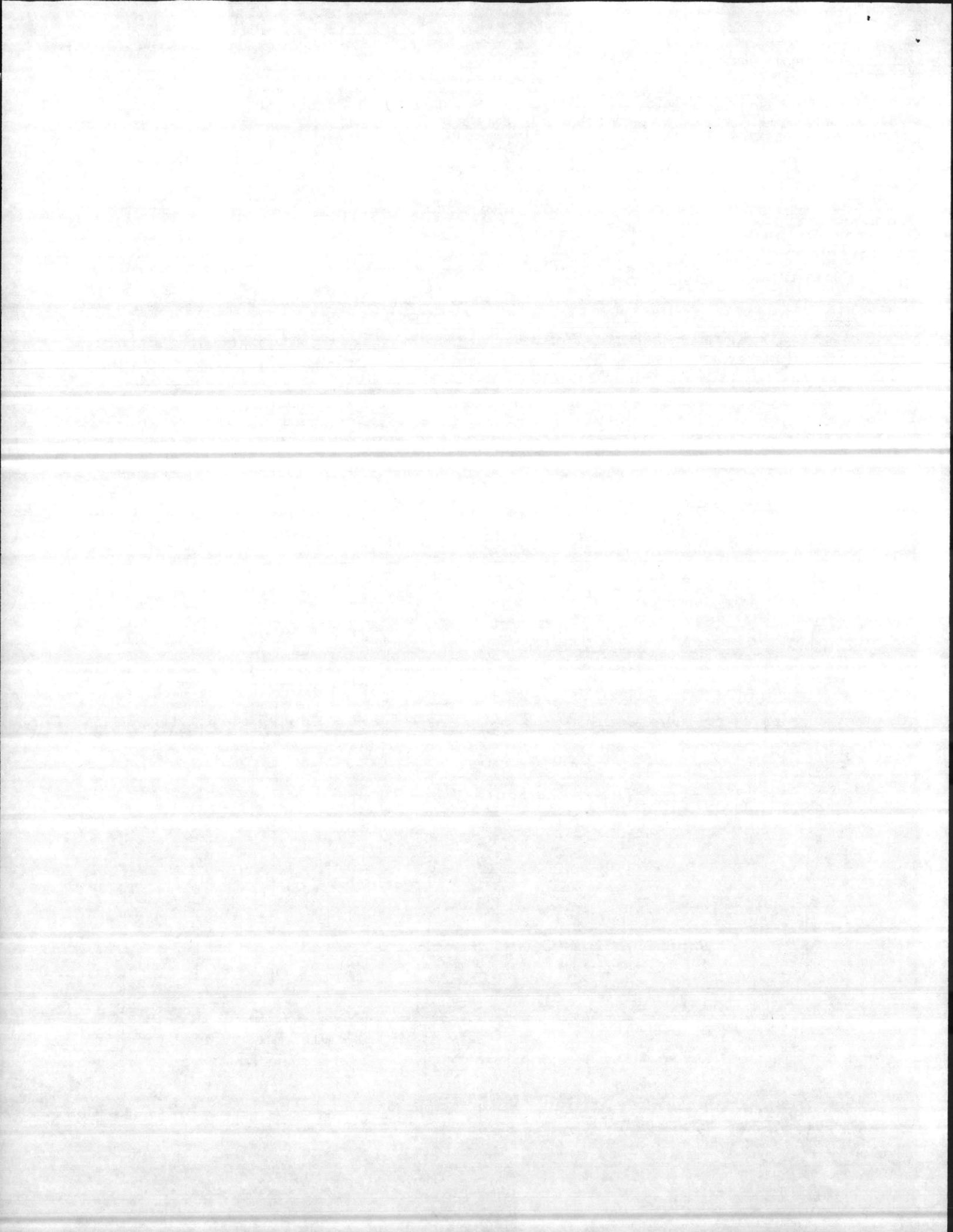
1. ACTIVITY: FACILITIES MANAGEMENT DEPT, NAVAL HOSP, CLNC
 2. ACTIVITY CODE: 068093
 4. ESTIMATE NO.:
 8. FACILITY NO.: NH-114
 11. COST ACCOUNT CODE: R1-7014
 15. NAVY ACCOUNTING DATA:
 a. APPROPRIATION SYMBOL AND SUBHEAD: 1771804.188E
 b. OBJECT CLASS:
 c. BUREAU CONTROL NUMBER: 680930
 d. AUTH. ACCOUNTING ACTIVITY:
 e. TRANS CODE:
 f. PROPERTY ACCTG. ACTIVITY: 680930
 g. COST CODE:
 17. SKETCH/PLAN ATTACHED IF "YES" INDICATE NUMBER: YES NO
 18. LABOR CLASS CODE (Except for overhead): 07

19. JOB TITLE: CORRECT HEALTH AND SAFETY DEFICIENCIES IN PESTICIDE BUILDING
 20. GENERAL JOB DESCRIPTION: Perform work as described on attached sheet.

Completed

a. BREAKDOWN OF WORK				b. SUMMARY OF ESTIMATE				
JOB PHASE NO. (1)	WORK CENTER (2)	DESCRIPTION (3)	EST. HOURS (4)	WORK CENTER (5)	LABOR HOURS (6)	LABOR (7)	MATERIAL (8)	TOTAL ESTIMATE (9)
	32	As described	8	32	8	113	35	148
	33	As described	4	33	4	60	10	70
	35	As described	32	35	32	596	150	746
22. DISTRIBUTION				TOTAL	44	769	195	964
MCD				c. CONTINGENCY				
ADP				d. OVERHEAD AND/OR SURCHARGE				
AIN				e. GRAND TOTAL				964

23. AUTHORIZED WORK TO BE PERFORMED (Signature): *[Signature]*
 F. N. GARRN, LTJG, CEC, USMC
 TITLE: Head, Facilities Mgmt. Dept.
 DATE: 31 Mar 1987



32 SHOP

1. Provide and mount bake-lite sign over each new outside switch denoting what switch is for. 3 Ea.

One over switch for lights and exhaust fan in herbicide room.

One over switch for lights and exhaust fan in storage room.

One over switch for lights and exhaust fan in mixing room.

2. Provide and install bake-lite sign on wall stating:
"OPERATE VENTILATION SYSTEM DURING OCCUPANCY"

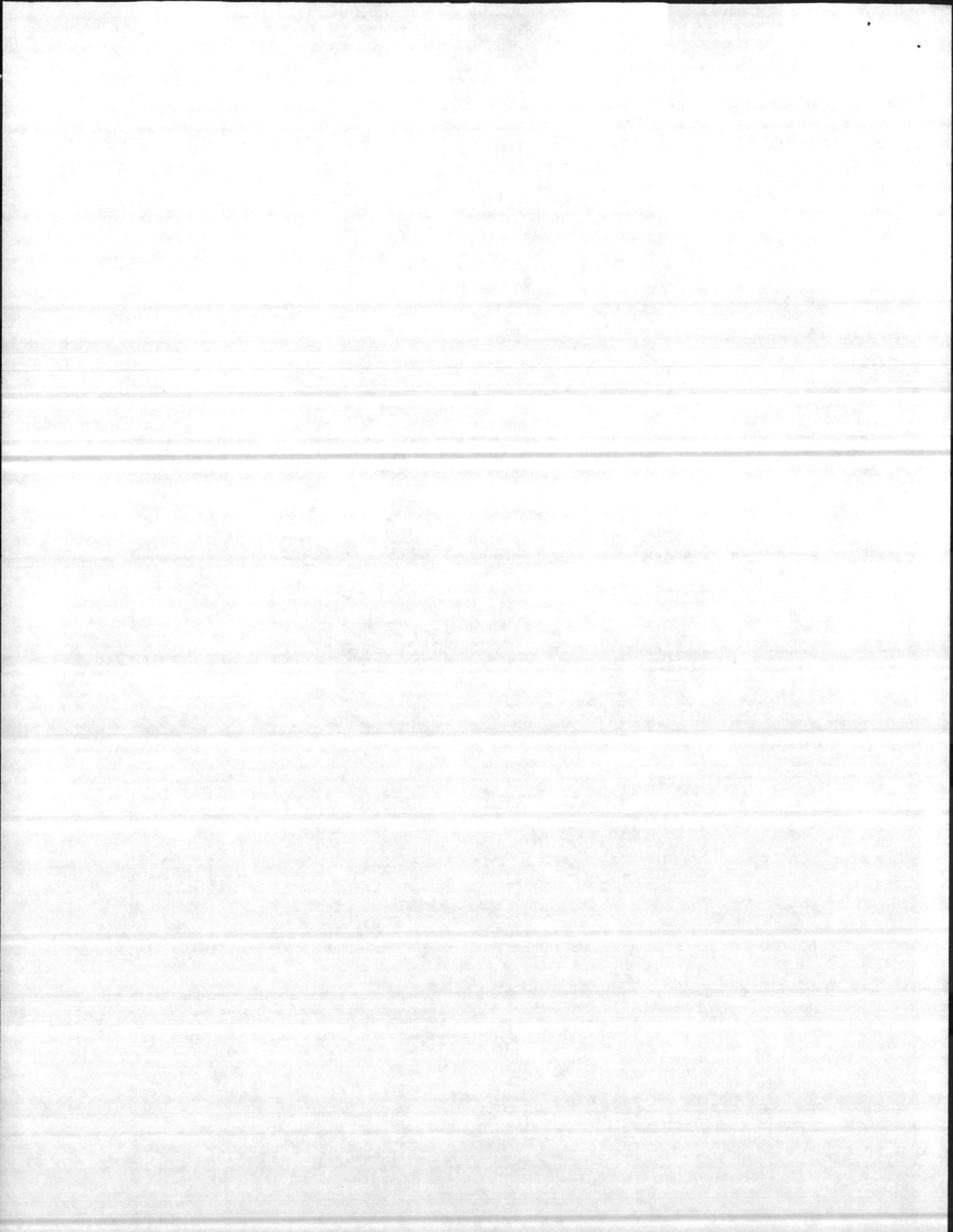
3. Paint floors in mixing room, storage room, and herbicide room with a non-skid epoxy paint.

33 SHOP

1. Provide and install flexible duct from new exhaust fan in herbicide and connect to existing exhaust duct in attic.

35 SHOP

1. Provide and install bathroom type exhaust fan in ceiling of herbicide room.
2. Install 3 ea. surface mounted switches with pilot light on outside of building near doors. One switch for lights and exhaust fan in herbicide room, one switch for lights and exhaust fan in storage room, and one switch for lights and exhaust fan in mixing room.



DEPARTMENT OF THE NAVY
Naval Hospital
Camp Lejeune, NC 28542

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25 July 85

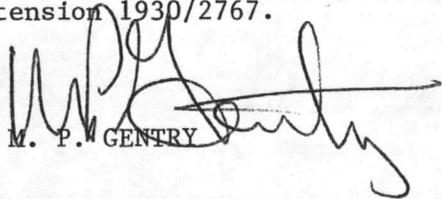
From: Head, Occupational and Preventive Medicine Department
To: Head, Facilities Management Department

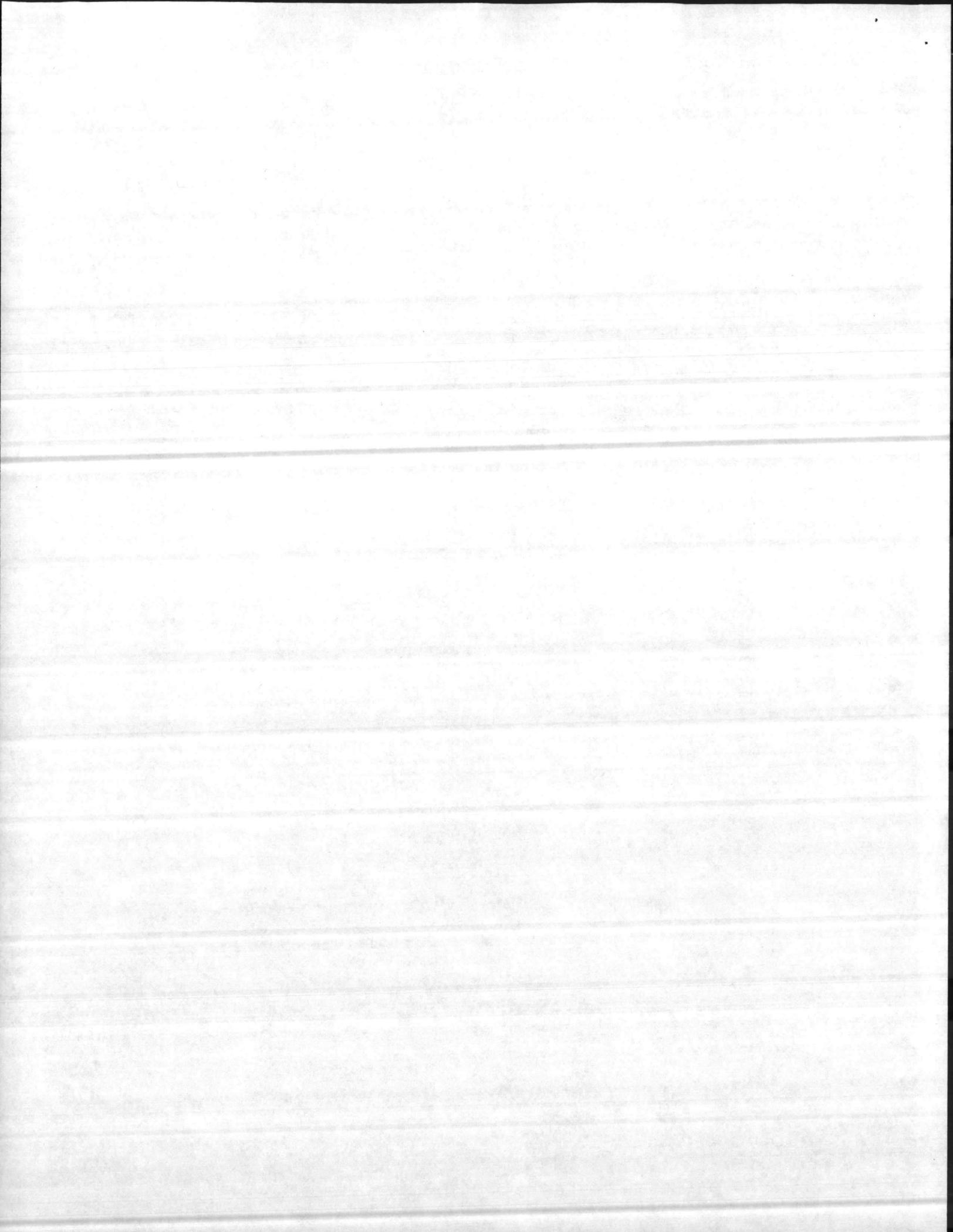
Subj: DESIGN OF NAVAL HOSPITAL PESTICIDE FACILITY

Ref: (a) Technical Information memorandum No. 17 Armed Forces Pest Management
Board dtd Nov 83

1. A review of the subject design was conducted by LT Mahar of this facility on 24 July 1985. The design is in accordance with standards of ventilation and environmental protection set forth in reference (a) and has department approval.

2. Point of contact is LT Mahar at extension 1930/2767.


M. P. GENTRY



DEPARTMENT OF THE NAVY
Naval Hospital
Camp Lejeune, NC 28542

6260.1K
371
5 Sep 86

From: Head, Occupational and Preventive Medicine Department
To: Head, Facilities Management Department

Subj: REVIEW OF NAVAL HOSPITAL PEST CONTROL FACILITY NH-114

Ref: (a) DODINST 6055.5
(b) OPNAVINST 5100.23B
(c) Navy Occupational Safety and Health Inspection Guide
for Pest Control Operations Ashore

Encl: (1) Pest Control Shop Safety and Health Guidelines

1. In accordance with references (a) and (b), an industrial hygiene review of the recently completed pest control facility, NH-114, was conducted by Mr. G. L. Winters, Supervisory Industrial Hygienist, 18-20 August 1986 utilizing the guidelines published in reference (c).

2. Specific items that were evaluated are contained in enclosure (1). For electrical safety and fire protection requirements, you should contact the Naval Hospital Safety Manager.

3. Major problems identified in the shop, storage, and equipment areas included:

a. Inadequate water pressure in the emergency eyewash and deluge show

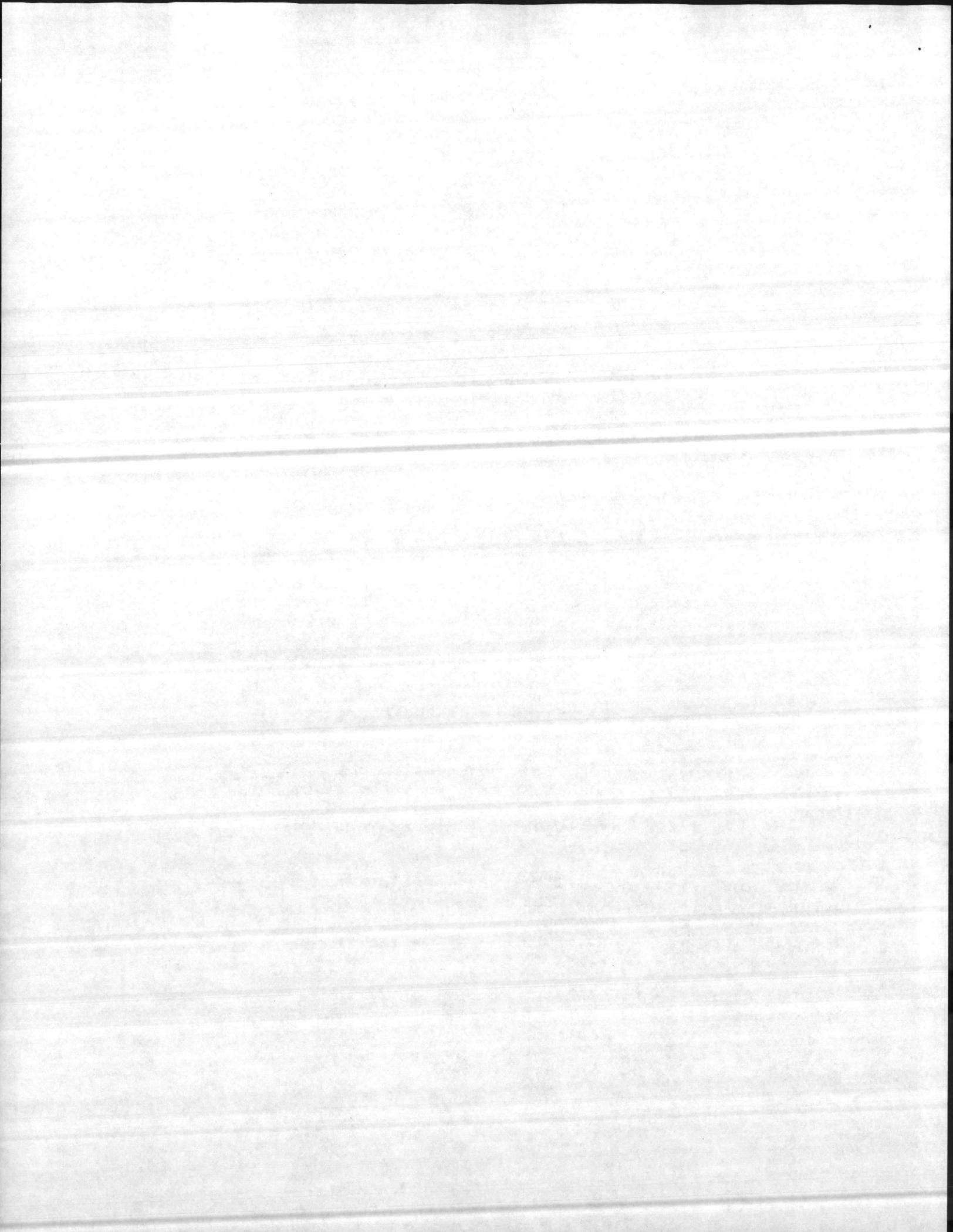
b. The small storage room adjacent to the main pesticide storage area had no mechanical exhaust ventilation system

c. Ventilation and lighting fixtures were not operated by the same switch

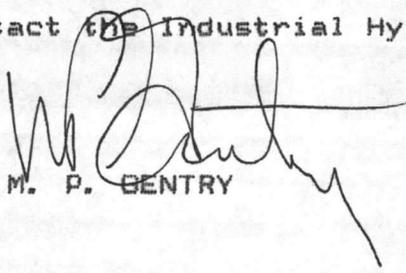
d. The switch controlling the ventilation system was not located outside the door to the space and

The deficiencies in enclosure (1) should be corrected prior to acceptance of the facility from the contractor.

4. Our review of pest control operations/procedures will be in the annual industrial hygiene survey of the Naval Hospital.

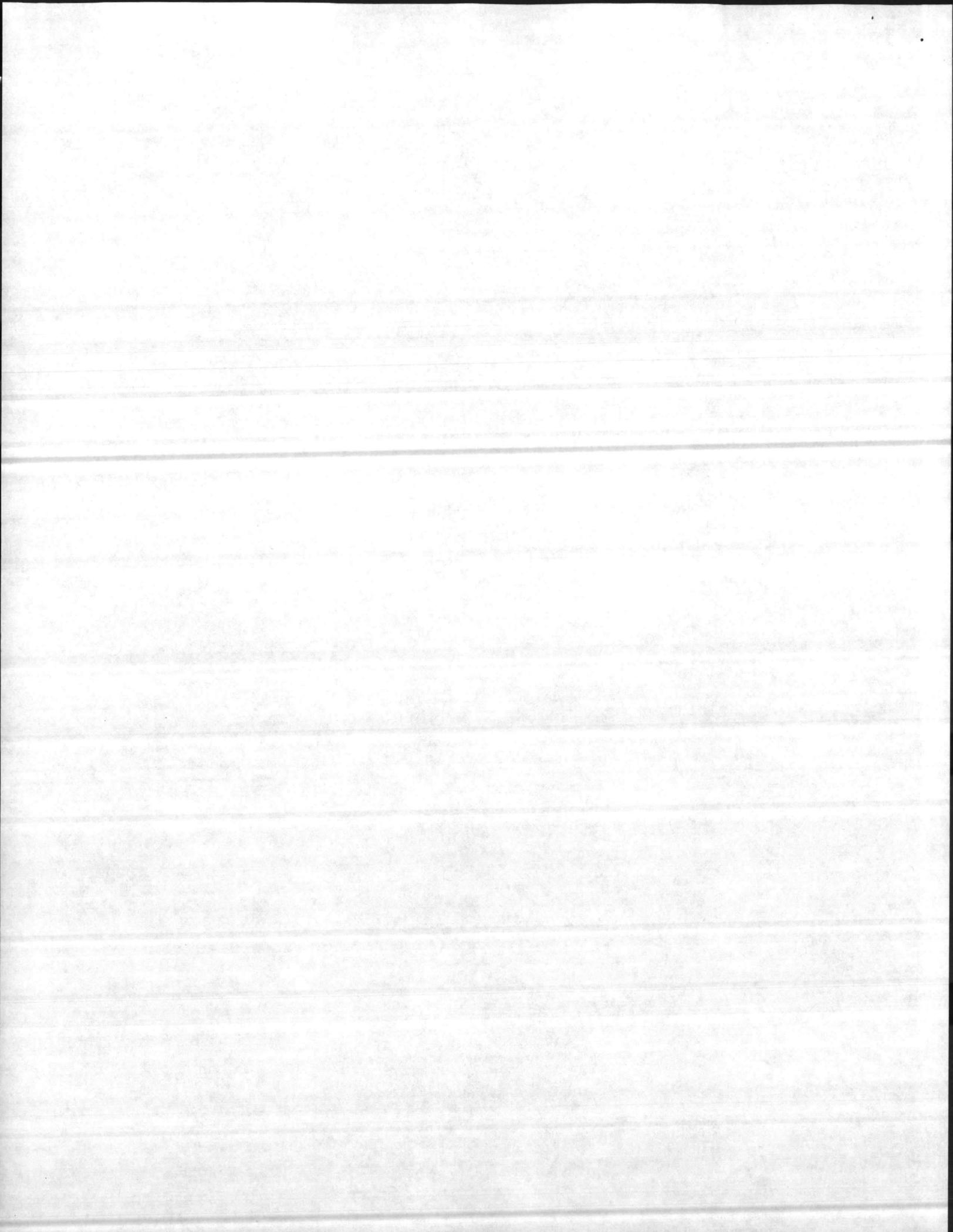


5. For further information, contact the Industrial Hygiene Branch at extension 2707.



M. P. BENTRY

Copy to:
Safety Manager



SHOP, STORAGE, AND EQUIPMENT AREAS

INSTRUCTIONS: Respond to each question in the space provided with YES (Y) or NO (N).

1. Are health and safety measures defined in the required activity Pest Management Plan?
[OPNAVINST 6250.4] Y

2. Is there a Workplace Monitoring Plan for pest control operations?
[OPNAVINST 5100.23B, Chapter 8] Y

3. Is the shop isolated from other structures for security, fire safety and minimization of human exposure to pesticide vapors, liquids and particulates?
[OPNAVINST 6250.4] Y

4. Are the clean areas (office, change room, shower, lavatory, and toilet) separated from the chemical areas (formulation/mixing and storage)?
[OPNAVINST 6250.4] Y

5. Are adequate toilet facilities (i.e., one water closet for the first 15 employees) provided?
[29 CFR 1910.141(c)(1)] Y

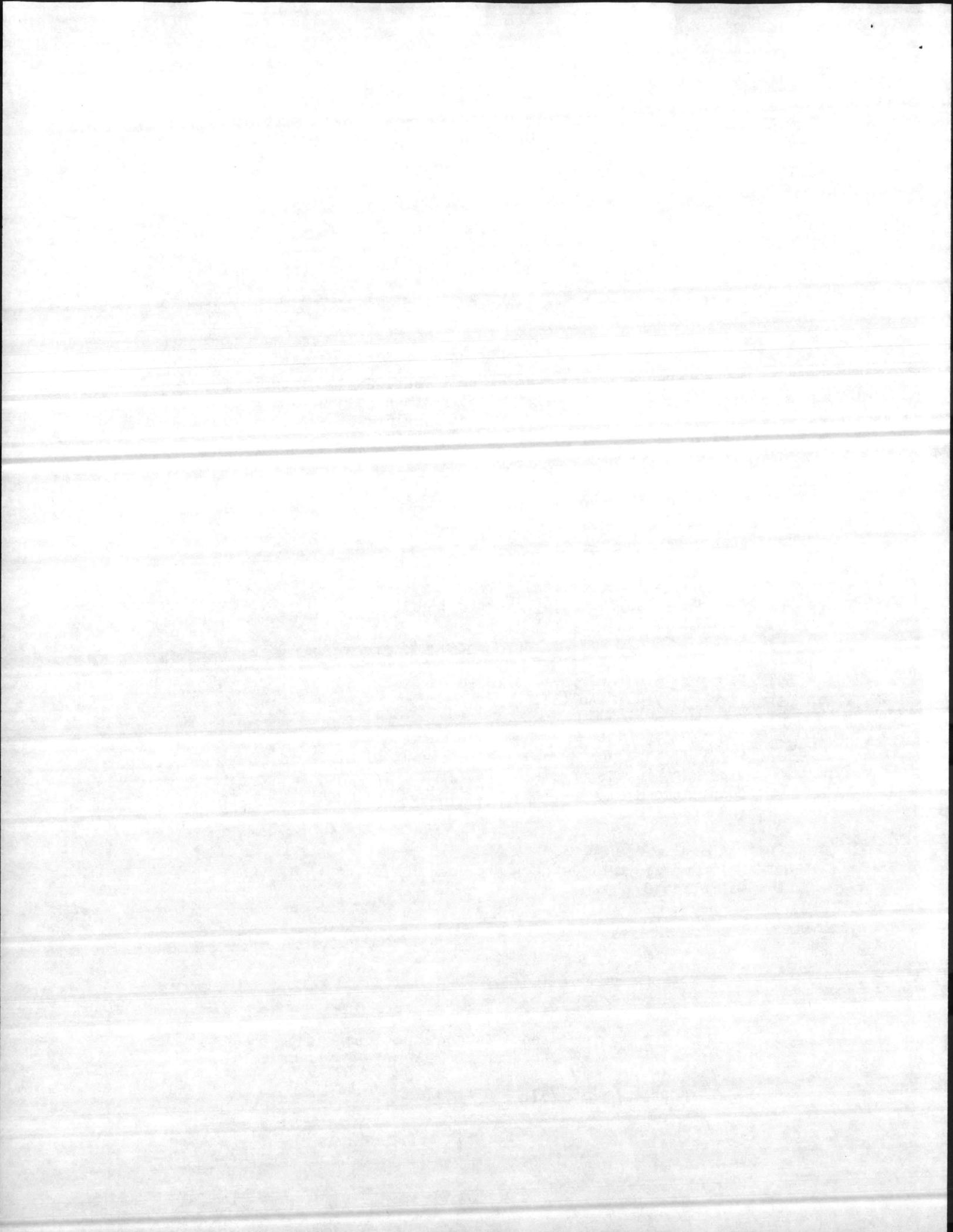
6. Is potable water provided to employees?
[29 CFR 1910.141(b)(1)] Y

7. Are individual hand towels or sections of cloth or paper, warm air blowers or clean, individual sections of continuous cloth toweling provided to employees?
[29 CFR 1910.141(d)(2)] Y

8. (a) Are waste containers provided for disposal of all waste food? Y

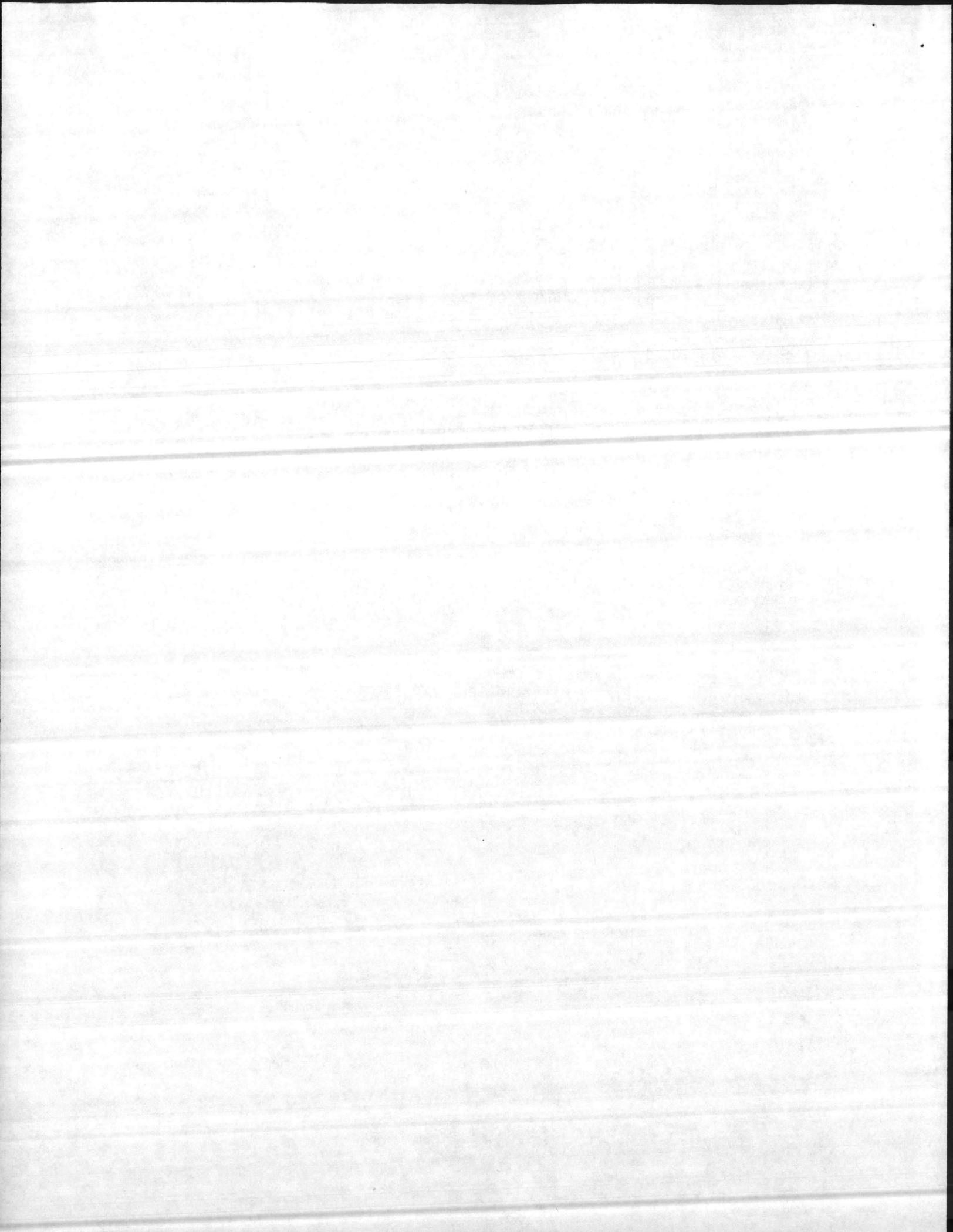
- (b) Are they emptied daily?
 [29 CFR 1910.141(g)(3)] Y

9. Are employees prohibited from consuming food or beverages in a toilet room or any area exposed to a toxic material (pesticides)?
[29 CFR 1910.141(g)(2)] Y



SHOP, STORAGE, EQUIPMENT AREAS (Cont)

10. Are employees prohibited from storing food or beverages in toilet rooms or in an area exposed to a toxic material (pesticides)?
[29 CFR 1910.141(g)(3)] Y
11. Is the shop area adequately ventilated to prevent carbon monoxide concentrations from exceeding the Permissible Exposure Limit (PEL) when gasoline engines are running?
[29 CFR 1910.1000] Y
12. Are an emergency eyewash and shower (meeting ANSI Z358.1-1981 specifications) provided in the shop area for emergency decontamination of persons working with pesticides?
[OPNAVINST 6250.4] Not in operating condition
13. Are there adequate washing and shower facilities in the pesticide formulation area?
[OPNAVINST 6250.4] Y
14. Is adequate locker or other storage space/means provided to ensure that employees maintain separate storage of personal and contaminated clothing?
[29 CFR 1910.141(e)] Y
15. Is a pesticide spill kit present where pesticides are stored or mixed?
[OPNAVINST 6250.4] Y
16. Is personal protective equipment segregated at all times from pesticides and pesticide dispersal equipment?
[OPNAVINST 6250.4] Y



SHOP, STORAGE, EQUIPMENT AREAS (Cont)

17. (a) Has a list of potentially hazardous materials (including biological agents) used, handled, stored, or produced in the workplace been prepared in terms of quantity per unit time? Y

(b) Does it include a brief description of how materials are used in the operation(s)? Y
[OPNAVINST 5100.23B, Chapter 8]

The required Pest Management Maintenance Records (DD Form 1532-1) should have the pesticides listed, how they are used and their usage rates.

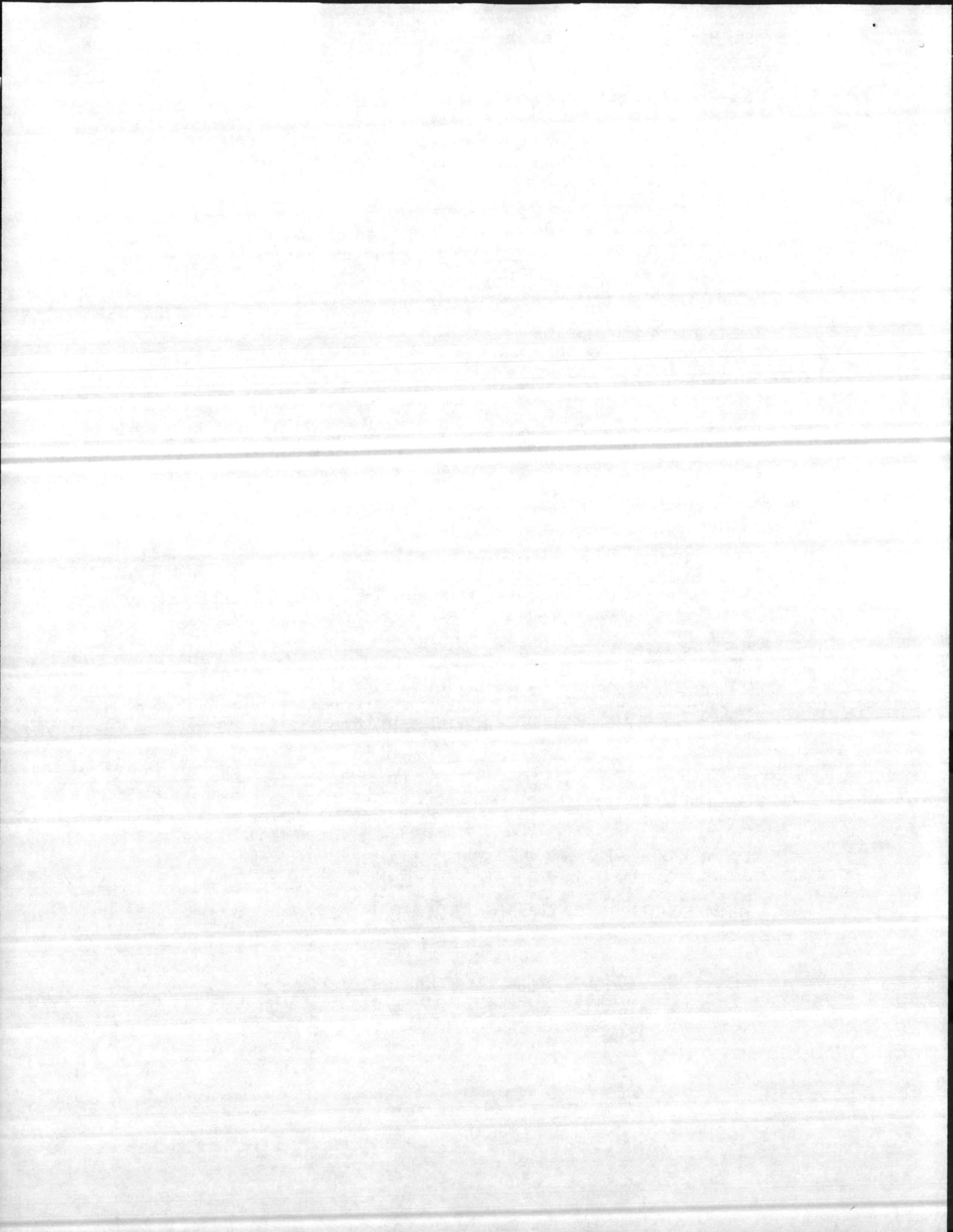
18. Does the pesticide mixing area (sink) have a local exhaust ventilation system with a minimum hood capture velocity of 100 feet per minute (fpm)? Y
[ANSI Z9.2-1979]

19. (a) Does the local exhaust ventilation capture the vapors emitted during the pesticide mixing? (This is visually tested with a smoke generating device - e.g., smoke tube.) Y
[ANSI Z9.2-1979]

(b) Are the vapors collected before passing through the worker's breathing zone? (Canopy hoods are unacceptable.) Y
[ACGIH Industrial Ventilation, Fig. 4-15, Hood Design]

20. If this local exhaust ventilation is deficient or nonexistent, has a NAVOSH Deficiency Notice been completed and posted and interim protective measures initiated while permanent abatement is awaited? (Interim protective measures in effect for more than 60 days shall be approved by the activity safety office.) N/A
[OPNAVINST 5100.23B, Chapter 12]

21. Is the intake for air supplied to the formulation room located so as to prevent the re-entering of contaminants from exhaust systems, process vents or other sources? Y
[ANSI Z9.2-1979]



SHOP, STORAGE, EQUIPMENT AREAS (Cont)

22. If the local exhaust ventilation is inadequate, does the worker wear an appropriate MSHA/NIOSH approved respirator (interim protective measure) during formulation?
[OPNAVINST 5100.23B, Chapter 20] N/A

23. Are all water sources with a potential for backsiphonage of contaminants into potable water equipped with backflow prevention devices?
[NAVFACINST 11330.11C] Y

24. Are designated hazardous noise areas and equipment which produce sound levels greater than 84 dB(A) or 140 dB peak sound pressure level appropriately labeled?
[OPNAVINST 5100.23B, Chapter 18] Y

25. (a) Are all stairways equipped with reasonably slip-resistant treads? N/A

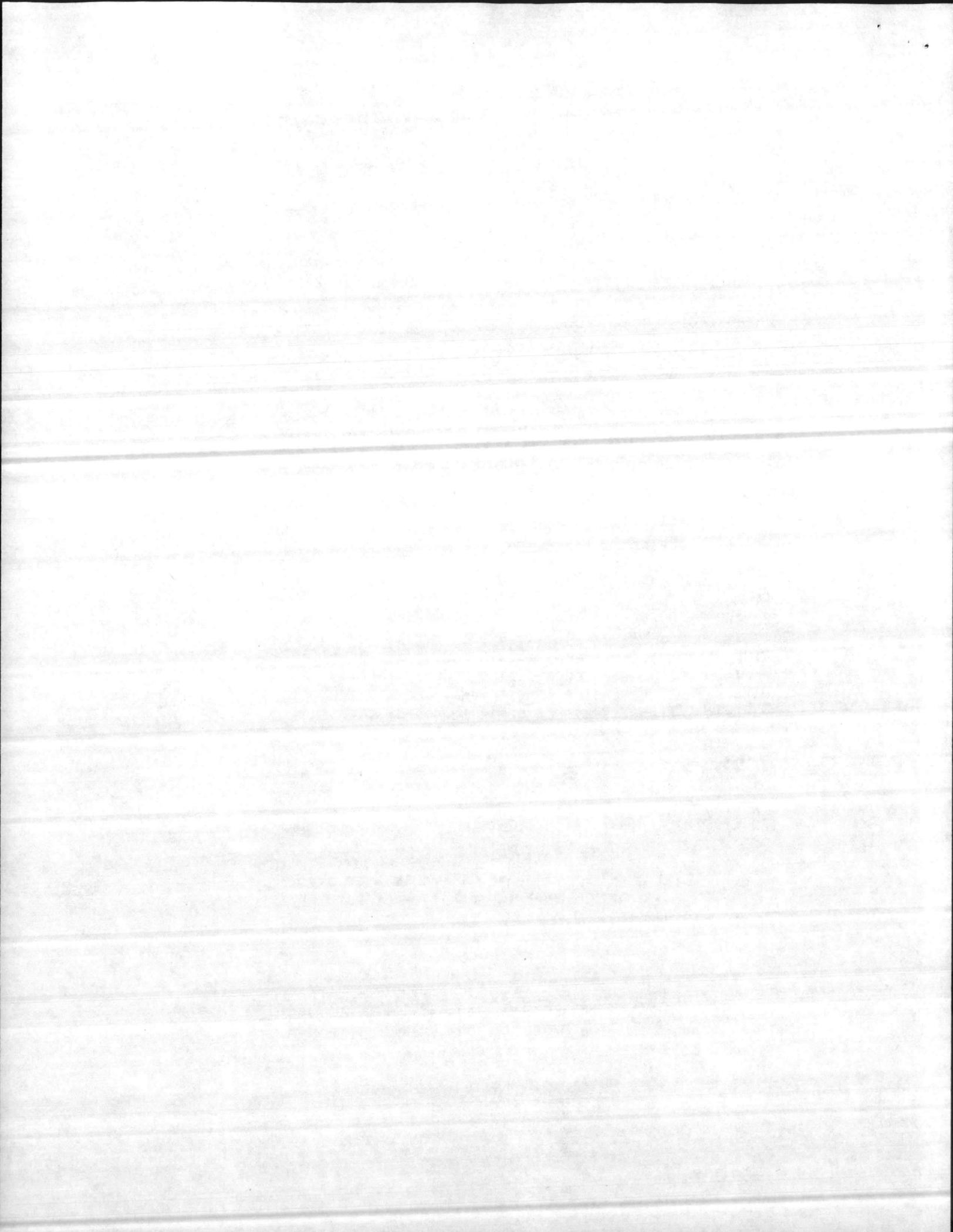
(b) Do nosings have a non-slip finish?
[29 CFR 1910.24(f)] N/A

Welded bar grating treads within nosing are acceptable provided the leading edge can be readily identified by personnel descending the stairway and provided the tread is serrated or is of definite non-slip design.

26. Is every stairway floor opening guarded by a standard railing on all exposed sides (except at entrance to stairway)?
[29 CFR 1910.23(a)(1)] N/A

27. Is every wall opening from which there is a drop of more than four feet guarded by some type of barrier?
[29 CFR 1910.23(b)(1)] N/A

28. Is every open-sided floor or platform four or more feet above an adjacent floor or ground level guarded by a standard railing or equivalent on all open sides except where there is an entrance to a ramp, stairway, or fixed ladder?
[29 CFR 1910.23(c)(1)] N/A



SHOP, STORAGE, EQUIPMENT AREAS (Cont)

29. Are standard railings provided on the open sides of all exposed stairways with four or more risers?
[29 CFR 1910.23(d)(1)]

N/A

A standard railing shall consist of a top rail, intermediate rail, and posts, and shall have a vertical height of 42 inches nominal from the upper surface of the top rail to floor, platform, runway, or ramp level.
[29 CFR 1910.23(e)(1)]

30. Are hand rails provided on at least one side of closed stairways?
[29 CFR 1910.24(h)]

N/A

31. Are all ladders in safe working condition?
[29 CFR 1910.25(d)(1)]

N/A

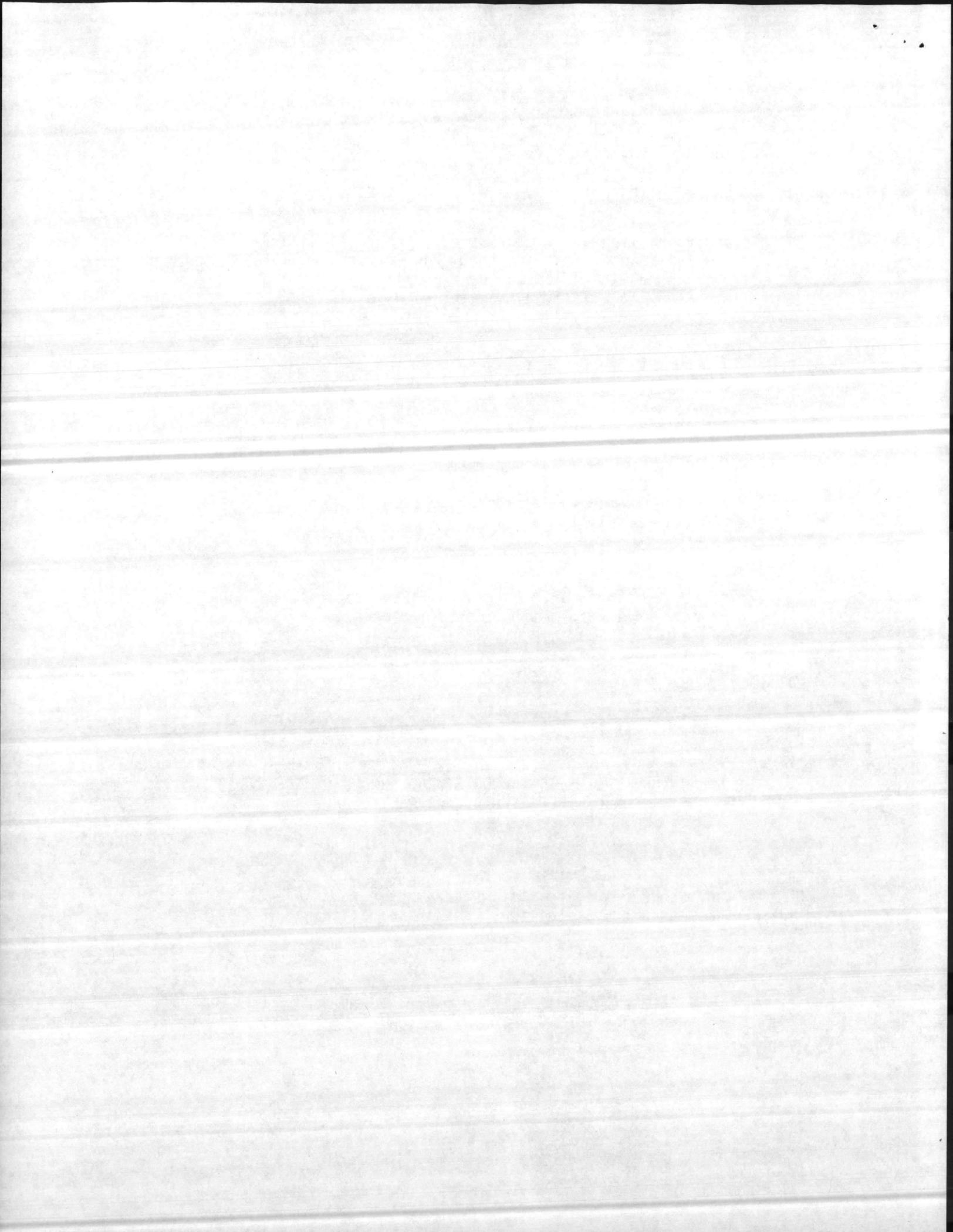
32. Are safety measures taken to prevent short circuits or electrical shock when metal ladders are used in areas containing electrical circuits?
[29 CFR 1910.26(c)(3)]

N/A

THE FOLLOWING APPLIES TO INDOOR STORAGE ROOMS CONTAINING FLAMMABLE OR COMBUSTIBLE LIQUIDS AND PESTICIDES.

33. Do the indoor pesticide storage areas have ventilation systems which provide at least six fresh air changes per hour?
[29 CFR 1910.106(d)(4)]

Y



SHOP, STORAGE, EQUIPMENT AREAS (Con't)

34. If the indoor pesticide storage area has a mechanical exhaust system, is it controlled by a switch located outside the door?
[29 CFR 1910.106(d)(4)]

N

35. Are the ventilating equipment and lighting fixtures in pesticide storage rooms operated by the same switch?
[29 CFR 1910.106(d)(4)]

N

See also 40 CFR 165.10, MIL-HDBK-1028/8, and TIM 18 for further guidance and recommendations.

