From: Site Manager, Occupational Safety and Health Office, Naval Support Detachment, Monterey
To: Environmental Coordinator, Naval Support Detachment, Monterey, 1830 Morse Drive, Monterey CA 93943

Subj: SUMMARY REPORT FOR ANNUAL INDUSTRIAL HYGIENE SURVEY OF NAVAL SUPPORT DETACHMENT, MONTEREY, ENVIRONMENTAL DEPARTMENT

Ref: (a) OPNAVINST 5100.23G, Chapter 8, Section 0803.a
(b) NAVMEDADMUNIT Monterey ltr 6260 04M/072 of 2 May 06

Encl: (1) Summary Report ET-0353

1. As required by reference (a), an annual industrial hygiene survey of the Naval Support Detachment, Monterey, Environmental Department, was conducted from 18 April to 1 May 2006 by the Naval Medical Administrative Unit, Monterey Industrial Hygienist. The summary of the survey report ET-0350 is forwarded as enclosure (1).

2. This survey is a service provided under the overall Occupational Health Program. It is not an inspection report but is designed to assist your department’s Occupational Safety and Health Program by identifying and evaluating actual and potential occupational health hazards and the status of their controls. The contents of the report should be shared with staff personnel.

3. Further clarification or consultation with respect to these findings and recommendations is available from Eric Thurston, Industrial Hygienist, at commercial (831) 656-3466, e-mail sethurst@nps.navy.mil.

M.C. BERRY
EXECUTIVE SUMMARY

Very little has changed since the previous survey. There are no significant exposures except during minor hazardous material spills, where personnel are protected by use of personal protective equipment.

Specific details of these findings can be found in sections II and III of this report. The cooperation of Bill Baier was greatly appreciated.

NAVY OCCUPATIONAL SAFETY AND HEALTH

PROGRAM REVIEWS

The following programs are not required to be maintained by the Naval Support Detachment, Monterey, Environmental Office because these hazards are not present:

• Bloodborne Pathogens Control
• Non-Ionizing Radiation Control
• Process Control Ventilation

References:  
(a) OPNAVINST 5100.23G, Chapter 21  
(b) U.S. Department of Housing and Urban Development Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing  
(c) OPNAVINST 5100.23F, Chapter 29, Appendix 29-B  
(d) Navy Environmental Health Center Technical Manual NEHC-TM92-2

ASBESTOS CONTROL PROGRAM

Asbestos work is limited to collection of suspected material bulk samples for subsequent identification analysis. Significant exposures are not expected during this process because care is taken to avoid generation of airborne dust.

Recommendations: None. Provided for your information and records.

ERGONOMICS PROGRAM

Some heavy lifting is required when handling large drums and containers of hazardous waste. Personnel use lifting devices whenever possible to avoid injury. An ergonomics training program has been developed, which includes provision of back injury prevention training.

Recommendations: None. Provided for your information and records.
HAZARDOUS MATERIALS CONTROL PROGRAM

A Hazardous Materials Control Program has been established and is functioning effectively. MSDSs are available for the small amount of chemical products present.

Recommendations: None. Provided for your information and records.

HEARING CONSERVATION PROGRAM

Personnel in this office are not exposed to significant noise hazards from normal operations.

Recommendations: None. Provided for your information and training.

LEAD CONTROL PROGRAM

Lead exposure is limited to collection of bulk paint samples for subsequent lead content analysis. The great majority of lead paint identification is performed using the Niton XRF Meter. Personnel collecting flaking paint samples are following requirements outlined in references (a) and (b).

Recommendations: None. Provided for your information and records.

POLYCHLORINATED BIPHENYLS (PCB’S) CONTROL PROGRAM

The Environmental Office occasionally encounters potential PCB’s when overhead fluorescent light standards and various equipment that contains oil need to be excessed out. In the latter situation, oil is first tested for possible PCB content if time allows and then drained. Contaminated oil is packaged for subsequent disposal as hazardous waste. Personnel wear appropriate personal protective equipment during the handling and oil drainage processes.

Recommendations: None. Provided for your information and records.
REPRODUCTIVE HAZARDS CONTROL PROGRAM

Personnel are exposed to reproductive hazards through:
- reuse of turned-in aerosol paint cans (toluene)
- operation of the borrowed forklift (carbon monoxide)
- handling of broken fluorescent tubes (PCB’s)
- draining oil from equipment (PCB’s)
- a variety of chemicals from reference (c) during hazardous material spill cleanup and hazardous materials handling and sampling

In all cases, significant exposures are not expected. Materials that contain reproductive hazards, as defined by Appendix 29-B of reference (c), are identified in Section III and Appendix A of this report.

Recommendations:

In order to properly control reproductive hazards in the workplace, the following procedures need to be followed:

- Women need to inform their supervisor as soon as possible that they are pregnant, completely fill out the questionnaire provided by reference (d), and request an evaluation by the occupational health nurse from the Presidio of Monterey medical clinic and the Industrial Hygienist.

- Male employees anticipating conceiving children within 120 days or whose partner is currently pregnant need to notify their supervisor so that a reproductive/developmental hazard evaluation can be performed.

- Personnel should follow all recommendations from the group above regarding exposure to reproductive hazards in the workplace.
The following operations potentially expose personnel to hazardous occupational stressors:

1. Hazardous material spill cleanup. This could include a variety of chemicals, metals, or possibly sewage. Exposures to reproductive hazards such as toluene, mercury, herbicides, and pesticides are possible. Exposures are controlled by the use of appropriate PPE. Any large spills that would require use of respirators would be contracted out. Personnel have been trained as required by reference (a) to properly clean up spills and to identify the appropriate respirators and PPE required. Since no one is currently respirator-qualified, any spills requiring use of respirators would be contracted to a private outside company.

The following operations potentially expose personnel to stressors identified by OPNAVINST 5100.23F, Chapter 29, Appendix 29-B as reproductive hazards:

1. a variety of chemicals during hazardous material spill cleanup.
2. a variety of chemicals during hazardous materials handling and sampling.
3. Toluene during use of aerosol paint cans.
4. Carbon monoxide during operation of the forklift.
5. Mercury during handing of broken fluorescent tubes.
6. PCB’s during draining of oil from equipment.

Toluene, mercury, carbon monoxide, and PCB’s pose a potential developmental hazard. Based on a review of their MSDSs, none of the herbicides, insecticides, or rodenticides used by either this division or contract personnel contain chemicals that present reproductive hazard risk.

RECOMMENDATION:

Avoid ordering any new aerosol paint cans that contain toluene since it is a developmental reproductive hazard. Avoid use of any product, such as acrylic cement or paint stripper, that contains methylene chloride since it is a highly volatile and highly toxic chemical which has its own Federal OSH Standard.
APPENDIX B

CHANGE OF OPERATION NOTIFICATION

Please use this form to notify the Industrial Hygienist of any changes to operations conducted by your department. The notification form may be copied as needed. The completed forms can be returned to:

NAVAL SUPPORT DETACHMENT, MONTEREY
CODE N22G, SAFETY OFFICE (ATTN: INDUSTRIAL HYGIENIST)
1870 MORSE DRIVE
MONTEREY CA 93943

FOREMAN/SUPERVISOR:                                                  EXT:
BLDG:   COMMAND/SHOP: NSD Monterey,                                 WORK AREA:
                    Environmental Office
SURVEY REPORT:  ET-0353

INSTRUCTIONS TO FOREMAN/SUPERVISOR:

The industrial hygiene survey evaluated the potential hazards to your employees based on the operations existing at the time. When your operations change, the potential hazards can also change, and these new conditions must be evaluated. Please contact the Industrial Hygienist if any of the following occur:

a. Exposure times have changed.
b. New operations are performed.
c. New types of equipment are used.
d. An increase in major chemical usage.
e. New chemicals or chemical products are used.
f. A change in existing exhaust ventilation.

List any changes below.

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Date Forwarded:__________________