

SITE HEALTH AND SAFETY PLAN

Site Name: Bldg. 498
Date: 10/29/97
Prepared By: Beth Welmaker
TVS

With the assistance of HASP

SITE SPECIFIC HEALTH AND SAFETY PLAN

I. HAZARD ASSESSMENT

A. LOCATION

Building Name:

Building Number: 498 Room Number: N/A

Road Name: Riverside Avenue

Nearest Cross Street: Oceanport Avenue

Other:

B. Hazard Identification

The following hazardous materials are present at the above identified location:

<u>Contaminate</u>	<u>Physical Form</u>	<u>Hazard Presented</u>
Aldrin	Solid	Skin/Eyes
Lindane	Solid	Skin/Eyes
Heptachlor	Solid	Skin/Eyes
Dieldrin	Solid	Skin/Eyes
4,4'-DDE	Solid	Skin/Eyes
4,4'-DDT	Solid	Skin/Eyes
Endrin Ketone	Solid	Skin/Eyes
alpha-Chlordane	Solid	Skin/Eyes
gamma-Chlordane	Solid	Skin/Eyes

Column 1: The contaminate's common trade name and/or the primary components

Column 2: The contaminate's chemical state (e.g., solid, liquid, gas)

Column 3: The hazards the contaminate presents to unprotected workers (e.g., inhalation, skin contact, irritant, etc.)

C. Task Identification

The following tasks will take place at the above identified location (check all that apply):

- | | |
|---|--|
| <input checked="" type="checkbox"/> Soil Excavation | <input type="checkbox"/> Soil Transport |
| <input type="checkbox"/> Drum/Container Overpacking | <input type="checkbox"/> Absorbent Cleanup |
| <input checked="" type="checkbox"/> Soil Sampling | <input checked="" type="checkbox"/> Water Sampling |
| <input checked="" type="checkbox"/> Equipment Decontamination | <input type="checkbox"/> Drum Handling/Staging |
| <input checked="" type="checkbox"/> Personnel Decontamination | <input type="checkbox"/> Other: |

II. TRAINING

All personnel assigned to this project shall be trained in accordance with the Hazardous Materials SOP.

III. PERSONAL PROTECTIVE EQUIPMENT

The personal protective equipment specified on the following page(s) (Task Specific Personal Protective Equipment) shall be utilized during the specified task.

IV. MEDICAL SURVEILLANCE REQUIREMENTS

All personnel assigned to this project shall be medically evaluated in accordance with the Hazardous Materials SOP.

V. AIR MONITORING

A. FREQUENCY

1. Initially - The air within the work zone shall be monitored at the time of initial entry to ensure the proper level of respiratory and personal protective equipment has been selected. The instruments specified below shall be utilized.
2. Periodically - Throughout the course of work the air should be reevaluated for contaminate concentration. At a minimum, each time a new task is started, the air will be reevaluated.

TASK SPECIFIC PERSONAL PROTECTIVE EQUIPMENT

Task: Soil Sampling

Head Protection: Hard Hat Bump Cap None

Foot Protection: Steel Toe Safety Boot

Chemical Resistant Boot

Washable Boot/Disposable Bootie

Hand Protection: Cut Resistant

Chemical Resistant

Neoprene Nitrile

Latex Other

Double Layer

None

Eye Protection: Safety Glasses Goggles

Splash Shield None

Skin Protection: Apron Tyvek

Polylaminated Saranex

Respiratory Protection: NONE

Air Purifying: Half Face Full Face PAPR

Cartridge Type: HEPA Organic Acid Gas

Combo Other

Supplied Air: Air Line SCBA

Task: Soil Removal

Head Protection: Hard Hat Bump Cap None

Foot Protection: Steel Toe Safety Boot

Chemical Resistant Boot

Washable Boot/Disposable Bootie

Hand Protection: Cut Resistant

Chemical Resistant

Neoprene Nitrile

Latex Other

Double Layer

None

Eye Protection: Safety Glasses Goggles

Splash Shield None

Skin Protection: Apron Tyvek

Polylaminated Saranex

Respiratory Protection: NONE

Air Purifying: Half Face Full Face PAPR

Cartridge Type: HEPA Organic Acid Gas

Combo Other

Supplied Air: Air Line SCBA

B. SAMPLE TYPE

1. Personal - Where the contaminate is known and exposure in excess of the Permissible Exposure Limit (PEL) is anticipated, personal air sampling should be conducted. *No Exposure above the PEL is anticipated.*
2. Work Area - The work area shall be monitored for contaminate concentration in accordance with the frequency specified above.
3. Perimeter - Where migration of the contaminate out of the work zone is anticipated, perimeter monitoring should be conducted downwind of the work site.

C. MAINTENANCE

Maintenance of the monitoring equipment shall be in accordance with the manufacturers recommendations. All equipment shall be decontaminated at the time of removal from the work zone.

D. CALIBRATIONS

All air surveillance equipment shall be calibrated prior to use and in accordance with the manufacturer's specifications. A log of these calibrations shall be maintained.

All air surveillance equipment shall be returned annually to a factory approved service center for servicing and calibration.

E. EQUIPMENT

The following equipment shall be made available and utilized during this response:

- Flame Ionizing Detector (e.g., OVA)
- Photo Ionizing Detector (e.g., HNu)
- Combustible Gas Indicator w/O₂ and CO detection
- Colorimetric Tubes (e.g. Draeger)
- Personal Air Sampling Pumps
(with appropriate capture media)
- Other

VI. SITE CONTROL MEASURES

Where possible use dust control measures to reduce exposure. The general public must be restricted access to the incident scene. Three zones shall be established as soon as practical. They shall be the work zone (i.e., "Hot" zone), a decontamination reduction zone and a support zone. The work zone shall established by the TVS HazMat Team if the first response team has not already done so. The decontamination reduction zone shall be utilized by all entering/exiting response personnel. The support zone shall be utilized for the staging of uncontaminated materials, equipment and support activities including but not limited to communications, incident command operations, work breaks, recordkeeping activities, etc..

The zones shall be delineated in any manner that clearly defines the zone's boundaries. Materials such as caution tape, traffic cones, a snow fence, etc. may be utilized for zone delineation.

When and where possible, members of the Fort Monmouth Provost Office should be utilized for crowd and traffic control. If police officers are not available, Work Control shall be contact and the necessary support personnel requested.

VII. DECONTAMINATION PROCEDURES

The acting Health and Safety Officer shall designate the appropriate decontamination sequence for personnel and equipment exiting the work zone. At a minimum, it shall consist of a hand and face washing station. All decontamination solutions selected shall be consistent with the contaminate to be removed.

All waste water generated during the decontamination process shall be collected for proper disposal.

VIII. EMERGENCY RESPONSE

The immediate emergency would have been abated by the first responders (i.e., Fort Monmouth Fire Department) prior to TVS's response. Should an emergency arise during the clean up, the appropriate response team shall be activated by radioing to Bravo Base. Bravo Base will activate the 911 system. If a radio is not available,

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on a base phone

Have the exact location, nature of the emergency (e.g., fire, medical, etc.) and a call back number ready when calling.

IX. CONFINED SPACE ENTRY PROCEDURES

All personnel assigned to this project shall perform confined space entries in accordance with the Confined Space Entry Procedure. *No Confined Space Entry is anticipated.*

X. SPILL CONTAINMENT PROGRAM

All personnel assigned to this project shall carry out their assigned tasks in accordance with the Installation Spill Prevention Control and Countermeasures (SPCC) and the Installation Spill Contingency (ISCP) Plans.