

OHM Mobile Thermal Volatilizer System



**O.H. Materials
Corp.
Soil Treatment
System.**



Stop Burying Your Soil Contamination Problems

Whether it's a soil contamination caused by gasoline, jet fuel or aromatic tars, the O.H. Materials Mobile Thermal Volatilizer System (MTVS) is the cost-effective approach to resolve the problem. It uses heat to drive organic materials from the soil, and vapors are destroyed in a secondary afterburner.

Advantages of the OHM MTVS are:

- ◆ Operates on-site where the contamination occurs
- ◆ Expedites start-up of operation and completion
- ◆ Eliminates long-term client liability

Works on-site to save time and money

The OHM MTVS is the permanent solution to remediate soil contaminated by hydrocarbon products.

By working on site, it reduces cleanup expenses. OHM Thermal Operations personnel can set up the system and begin operation less than four hours after they arrive.

Generally, most states require permits for this type of process. Because of OHM's extensive experience working within the requirements of local, state and federal environmental regulations, we provide the administration of the permitting process for the MTVS as part of our service for our clients.

Handles variety of hydrocarbon materials

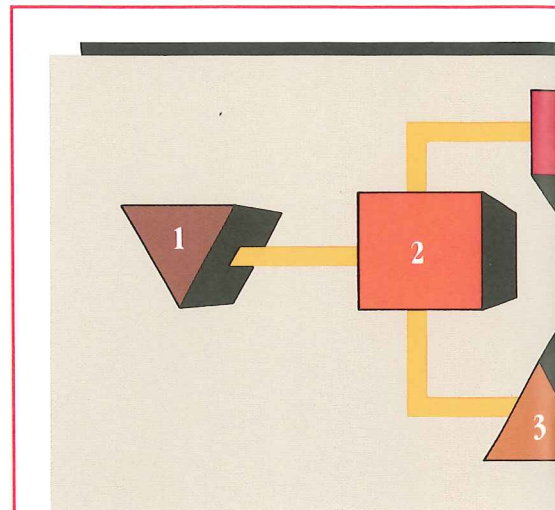
OHM's comprehensive line of MTVS equipment effectively treats higher molecular weight compounds at soil temperatures up



to 600 degrees F, for removal of even bunker fuels and polynuclear aromatics from contaminated soil.

Some specific contaminants which can be treated are:

- ◆ Gasolines
- ◆ Diesel Fuels
- ◆ Home Heating Oil
- ◆ Other Pure Hydrocarbon Materials
- ◆ Jet Fuel
- ◆ Kerosene



Six steps to cleaner soil

When designing the MTVS, OHM's engineers considered the chemical nature of this group of contaminants and then designed the MTVS specifically for the cleanup of hydrocarbon-contaminated wastes. The combustion of petroleum hydrocarbons and the permit requirements are less demanding than those for Resource Conservation and Recovery Act wastes. These considerations and the need for the efficient mobilization of the unit were incorporated into the engineering and design of the MTVS to provide efficient destruction of the contaminants.

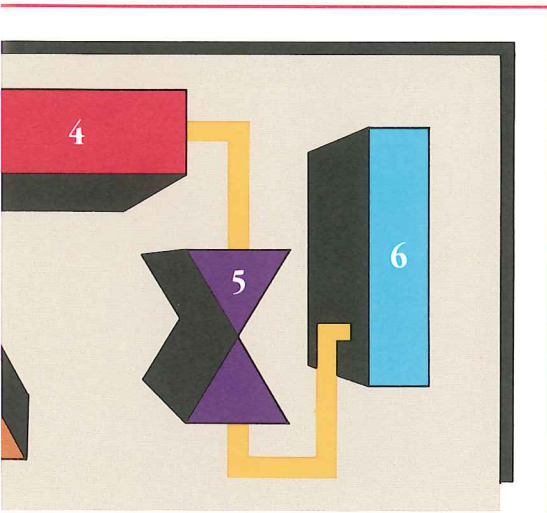
MTVS operates as follows:

1. Contaminated soils, up to 16,000

Eliminates landfill liability

The MTVS operation eliminates the liability associated with hauling and landfilling hydrocarbon-contaminated soils.

Department of Transportation regulations could require these contaminated soils be packed in drums before being shipped to a landfill. Transportation of the materials, if it is available, can be costly. The time it takes to process paperwork and analyses can delay acceptance. Even if the soil is landfilled, the problem is not totally



pounds per hour with a moisture content of up to 25 %, are fed into the feed system.
2. The soil enters the heat chamber, where volatiles are driven from the soil.
3. Processed materials, with up to a 99.9 % reduction of organic contaminants, are dispensed from the heat chamber, ready to be placed back on-site.
4. The gas stream flows into the after-burner where temperatures reach 1,400° F destroying the remaining volatiles.
5. and 6. The gas stream enters the venturi scrubber where it is cooled and the by-products and particulates are removed.

resolved since you, as the generator of the material, are still obligated to assume the long-term liability.

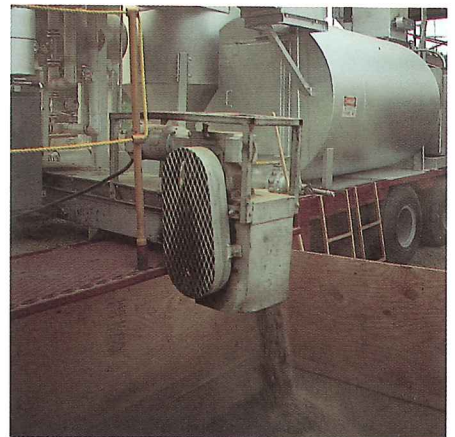
From start to completion, OHM manages all phases of the MTVS soil treatment project

Our comprehensive services include:

- ◆ Mobile, on-site, complete treatment service
- ◆ Complete site assessment, including sampling and analysis of contaminated soil
- ◆ Regulatory agency approvals
- ◆ Contractual agreement providing quality control specifications, costs of services and other provisions to meet client and regulatory requirements
- ◆ Complete mobilization and demobilization of the equipment
- ◆ Trained personnel, experienced in the applications of thermal technologies and the operation of all equipment
- ◆ Project management to provide a single source for all services required and site-specific operations, health and safety plans
- ◆ An on-site operation designed to reduce or eliminate any disruption of business

OHM . . . Providing Tomorrow's Environmental Solutions Today

O.H. Materials Corp. has 20 years experience in the development and application of innovative technologies and on-site treatment equipment. Having completed more than 6,500 private and public sector hazardous waste projects, we have directed our proven expertise to developing innovative technologies which solve soil contaminations. Our complete line of environmental services demonstrates OHM's commitment to providing tomorrow's environmental solutions today.



OHM Environmental Services

- ◆ Site Investigation
- ◆ Engineering and Design
- ◆ Waste Site Cleanup
- ◆ Facilities Decontamination
- ◆ Asbestos Abatement
- ◆ Waste Treatment Technologies
- ◆ Subsurface Decontamination
- ◆ Surface Impoundment Restoration
- ◆ Management of Underground Storage Tanks
- ◆ Emergency Response
- ◆ Thermal Technologies

O.H. Materials Corp.

16496 U.S. Route 224E
Findlay, OH 45840

Customer Service:

800-537-9540

Asbestos Abatement Services

National Surface Cleaning, Inc.

49 Danton Drive
Methuen, MA 01844
Phone: 617-686-6417

Analytical and Data Management Services

Environmental Testing and Certification Corp.

284 Raritan Center Parkway
P.O. Box 7808
Edison, NJ 08818-7808
Phone: 201-225-6700

