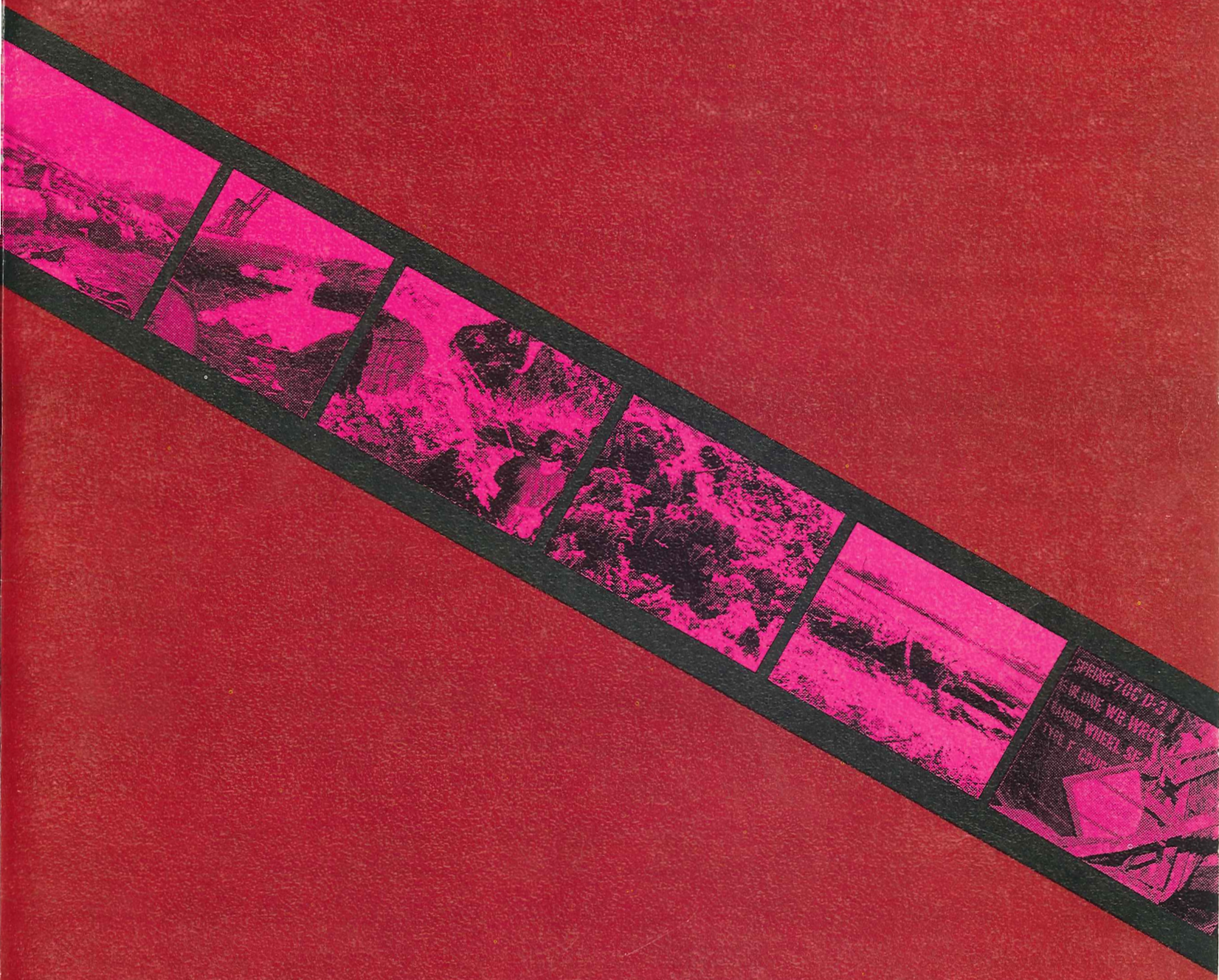


O. H. Materials, Inc.

Oil and Hazardous Material Spill Containment and Clean-up

Portable light plants and the use of satellite lighting is a necessity for spotting boom locations, safety, and the cost effective nighttime utilization of manpower and equipment. O. H. Materials cleaned up this 20,000 gallon asphalt spill in the heavily barge traveled Metropolitan Sanitary District Canal near Chicago.

A tank truck spilled 8,000 gallons of tallow into a large resort area lake near Monticello, Indiana in mid summer. Quick cleanup, coupled with experienced public relations personnel, satisfied local landowners promptly.

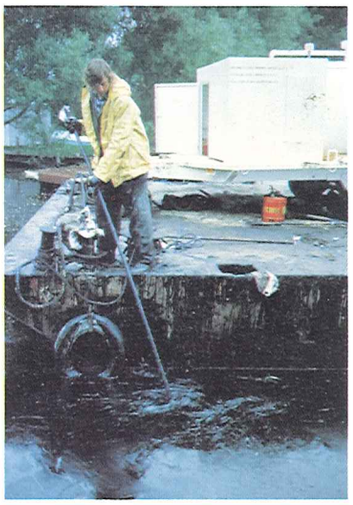
Despite this remote spill site in the Allegheny Mountains with heavy ice accumulation, O. H. Materials cleaned up raw linseed oil spill with the use of our portable skid mounted vacuum units. These units are readily adaptable to be pulled by pickup trucks, loaded on flat top barges, pulled by bulldozers or placed on railroad flat cars.

O. H. Materials was called in by federal officials on this 10,000 gallon #2 diesel oil spill on the Illinois River. Numerous mid-river islands made large vacuum trucks inaccessible to the spill collection points.

Quick containment prevented this 15,000 gallon crude oil spill within an oil terminal from reaching a nearby river.

Unfortunately, spills seldom happen at opportune times. Here our crew is working Christmas night in subzero temperatures. Clad in cold weather gear and chest waders, our personnel are able to get the spilled product and do not have to wait for the flow to slowly bring the oil to shore.

High pressure washdown pumps and the use of our ground water injection system sped up the recovery of this major petroleum naptha spill and leaching problem in western New York.



O. H. Materials utilized their portable vacuum units in the recent 308,000 gallon heavy black oil spill in the St. Lawrence Seaway. Portable vacuum units and trucks which have rear opening doors for dumping viscous oil and debris saved hours of unloading time.

This 8,000 gallon tank car of 90% Hydrogen Peroxide derailed inside a town and forced the evacuation of 2,000 people. O. H. Materials successfully patched the leaking car and transferred the uncontaminated load.

Transfer and spill cleanup of nearly 50,000 gallons of a variety of oil products were accomplished despite the remoteness of this derailment.

Our hydraulically operated transfer systems and assortment of chemical handling pumps allow for safe, uncontaminated transferring of nearly all compressed gases, acids, caustics, and other liquids.

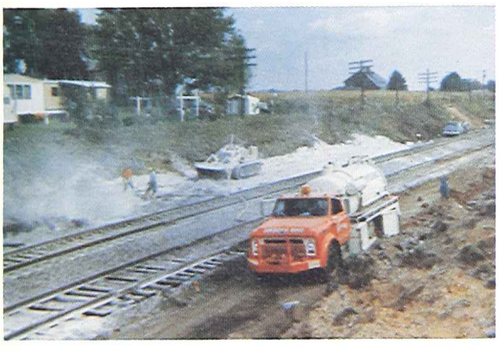
With the constant upgrading of State and Federal Antipollution Laws, your potential liabilities, should an oil and hazardous material spill occur, are greatly increased. Regardless of the preventative measures you now employ, there is always a chance of employee negligence, vandalism, natural disasters, or mechanical failures which may produce a discharge or loss of a pollutant. Our company offers twenty-four hour oil and hazardous material spill cleanup service. Whether the spill be large or small, on land or water, oil or chemical, we can respond with equipment and manpower as the situation warrants.

O. H. Materials, for the past six years, has been involved in the containment and cleanup of oil and hazardous materials spills. Our main objective is to transform accidental and unwanted situations which are damaging to the environment into acceptable states of environment. Performing this task with the greatest expertise available. . . keeping economics utmost in our mind, is our job.

Highly trained personnel, accustomed to emergency hazardous material spills, often are required to suit up in a self-contained breathing apparatus and a totally enclosed chemical/gas suit. Nonsparking aluminum bronze or beryllium copper tools are used as necessary.

This railroad derailment spilled over 60,000 gallons of water soluble liquid latex into a stream. Our crews coagulated the solution, removed the liquid rubber, adjusted the pH, and returned the clean water to the river system.

Our familiarity with different types of valves, gauges, and piping systems used within the railroad, trucking, and barge industries allow our crews to do the necessary work faster and more importantly, *safer.*



Nearly 200 tons of powdered "quick lime" were spilled in this train derailment in a small town. Our chemical response personnel eliminated the fire hazard (to nearby cars of rolled paper and railroad ties) by the use of a spray-on chemical solution; then, disposed of the product.

O. H. Materials have pioneered the field of "tank patching". Prepackaged tool boxes containing thousands of dollars of a variety of valves, gauges, gaskets, and patching materials are easily dispatched with experienced chemical teams. This patch, on a tank of explosive compressed gas, salvaged over 20,000 gallons of uncontaminated product and saved many hours of downtime in opening the track.

Drums of dangerous arsenic acid were discovered leaking inside this semitrailer in a downtown truck terminal. Our chemical crew was dispatched to eliminate the health hazard to terminal personnel, unload the damaged cargo, and decontaminate the trailer.

This chemical plant explosion involved the cleanup of a mixture of over 250 different commodities. The overall project included the treatment, recovery, and ultimate disposal of over 70,000 gallons of chemicals.

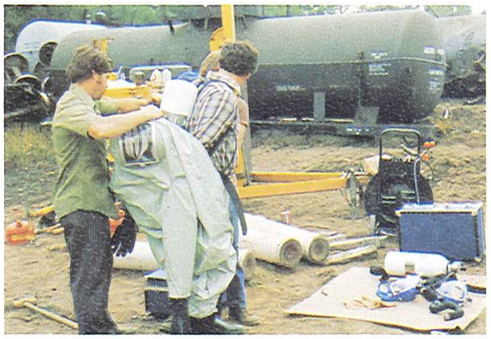
When small amounts of very toxic substances contaminate a large volume of water it is often economically infeasible to remove and properly dispose of the entire amount. Oftentimes our chemists or chemical engineers can neutralize, precipitate out, or otherwise break solutions to facilitate the removal of contaminants.

O. H. Materials handled this tank truck accident which spilled over 7,000 gallons of highly flammable methyl amylketone inside a community on an Interstate Highway.

Vacuum trucks and vacuum skid units, in a variety of sizes, eliminate access problems to any size spill and make the spill cleanup more cost effective.

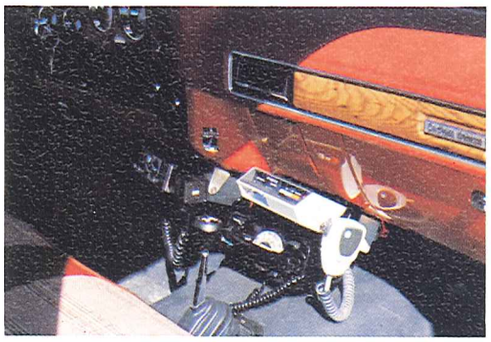
Our company maintain 4 wheel drive response vehicles, stocked with chemical and fire protective gear, to handle hazardous material spills anywhere, anytime. "Fly in service" of chemists, experienced chemical response personnel, and chemical handling equipment is many times a necessity in spill situations more distant from division headquarters.

Combination combustible gas/oxygen monitoring systems help alert personnel of potentially explosive or oxygen deficient atmospheres.



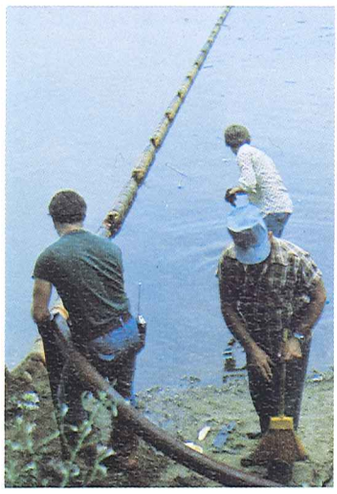
Portable field lab equipment for on scene analysis or testing is supported by fixed laboratory locations for more complex chemical problems.

Large cylinders of compressed air, interconnected by stainless steel flexible hosing, allow our crews to refill self-contained breathing equipment without fear of a contaminated air supply.



Because of the highly specialized nature of our profession, nearly all of our larger equipment is designed, built, and modified in our shop.

All response lead vehicles contain citizen band radios, our UHF radio system, and radio telephones to assure constant communication from the time we receive a spill call. Hand held UHF radios tie all crews into a unique communication system to more efficiently coordinate all on scene spill activities.



The most advanced chemical gear is virtually useless without technical expertise and trained personnel. Our company sends key personnel throughout the country to seminars, conferences, and hazardous material conventions to continually upgrade our awareness of new legislation, equipment, and procedures affecting our field. O. H. Materials holds weekly safety classes to maintain alert, "Ever Ready" chemical response teams. Our familiarity with equipment, safety procedures, and chemical handling techniques saves time, money, and very possibly, lives.

The hazardous material profession leaves no room for mistakes or amateurs.

O H MATERIALS, INC

Oil & Hazardous Material Spill
CONTAINMENT & CLEAN-UP

24 hour number

419-423-3526

P. O. Box 1022—Findlay, Ohio 45840
P. O. Box 120—Ottawa, Illinois 61350

U. S. Coast Guard Oil Spill No.
***National Area* 1-800-424-8802**

State or Area Spill Reporting No. _____

• **Other Phone No.'s to Call** •

IDENTITY	PHONE NO.

O. H. Materials, Inc.
Oil and Hazardous Material Spill Containment and Clean-up

P. O. Box 120
Ottawa, Illinois 61350

P.O. Box 1022
Findlay, Ohio 45840
Telephone (419) 423-3526
Mobile Telephone YK60867

AUGUST 31, 1976

EQUIPMENT AVAILABLE FOR OIL AND HAZARDOUS MATERIAL SPILLS, CONTAINMENT AND CLEAN-UP

VACUUM UNITS & ACCESSORIES	3300 Gallon Vacuum Inductor Pump Trucks with Radio Equipment
	1800 Gallon Vacuum Inductor Pump Trucks with Radio Equipment
	1500 Gallon Vacuum Skid Mounted Units
	1000 gallon Vacuum Skid Mounted Units
	Suction Hoses - 1½", 2", 3", 4", 6"
	Manta Ray Skimmer Heads
	Pollution Control Equipment Trucks
	Crew Trailers with Galley, Portable Labs & Sleeping Quarters
OIL CONTAINMENT BOOM	Booms - 4" & 6" with Trailers
BOATS	John Boats with Motors - 14', 17' Work Boats with Motors - 18', 20' Ponton Boats - 30'
PORTABLE LIGHTING	Generators - 1500 Watt, 3000 Watt, 5000 Watt
TRUCKS	Low Boys
	Stake Trucks - 14'
	Tandem Dump Trucks
	Equipment Vans
	Tankers - 6,000 Gallon
	Four Wheel Drive Trucks

HEAVY EQUIPMENT & TRAILERS	Portable Welders
	Front End Loaders, Track & Rubber Tires
	Backhoes, Track & Rubber Tires
	Dozers - 1 with Swamp Pads
	Mobile Office Trailers - 32'
	Air Compressors - 175 CFM
PUMPS	High Pressure Wash Down - 1½"
	Diesel Trash Pumps - 4"
	Electric Trash Pumps - 3"
	Diaphragm Diesels - 3"
	Gas Trash Pumps - 2"
BREATHING EQUIPMENT	Self Contained Breathing Apparatuses
	Air Blowers - 600 CFM
	Protective Clothing
AUXILIARY PERSONNEL & EQUIPMENT	Civil Engineers
	Chemical Engineers
	Chemists
	Disposal Facilities
	Laboratory Testing & Sampling Facilities Portable and Fixed
	Sorbent Materials - Complete Stock
	Storatainers (Portable Storage Tanks)
	Weed-Eaters
	Communication Network - Base Stations, Hand Held Units, Truck Mounted Units

HAZARDOUS MATERIAL HANDLING EQUIPMENT

Acid Suits

Chemical/Gas Suits with Breathing Apparatuses

Safety Lighting

Explosion Meters (Combustible Gas/Oxygen Monitoring Systems)

Nonsparking Tools - Aluminum, Bronze, Beryllium Copper

Tank Patching Materials

Chemical Handling Pumps

Transfer Compressors & Hoses (Hydraulically Operated)

Laboratory Testing & Sampling Facilities (Portable & Fixed)

AIRLIFT CAPABILITIES

Cessna 310's

Seneca II's

Grumman Mallards

Helicopters

Jet Service

O. H. Materials, Inc.

Oil and Hazardous Material Spill Containment and Clean-up

P. O. Box 120
Ottawa, Illinois 61350

P.O. Box 1022
Findlay, Ohio 45840
Telephone (419) 423-3526
Mobile Telephone YK60867

PARTIAL LISTING EXPERIENCE DATA (Rev. 3-2)

LOCATION	MATERIAL	AMT. SPILLED
Bucyrus, Ohio	#2 Diesel	6,000 Gal.
Detroit, Michigan	Oil	20,000 Gal.
Monroe, Michigan	Oil	6,000 Gal.
Detroit, Michigan	Oil	3,000 Gal.
Canton, Ohio	Oil	30,000 Gal.
South Point, Ohio	Oil	10,000 Gal.
Myersville, Ohio	Oil	100,000 Gal.
Ft. Wayne, Indiana	Oil	10,000 Gal.
Middlefield, Ohio	Oil	8,000 Gal.
Montecello, Indiana	Animal Grease	5,000 Gal.
Marion, Indiana	#2 Diesel	5,000 Gal.
Dayton, Ohio	Acrylonitrile	2,000 Gal.
Delaware, Ohio	Caustic Crome	71,711 Gal.
Wilmington, Ohio	Sodium Hydroxide	10,000 Gal.
Chillicothe, Ohio	Oil	40,000 Gal.
Bath, Illinois	Oil	10,000 Gal.
Findlay, Ohio	Asphalt	3,000 Gal.
Lodi, Ohio	Latex Paint	60,000 Gal.
Milwaukee, Wisc.	Bunker Fuel	15,000 Gal.
Springfield, Ohio	#2 Diesel	3,000 Gal.
Ft. Wayne, Indiana	Sodium Hydroxide	5,000 Gal.
Lima, Ohio	Crude Oil	15,500 Gal.
Summit, Illinois	Asphalt	20,000 Gal.
Lafayette, Indiana	#2 Diesel	4,500 Gal.
Tiffin, Ohio	#2 Diesel	89,000 Gal.
Andover, New York	Raw Linseed Oil	7,000 Gal.
Leetonia, Ohio	Tallow	20,000 Gal.
Kokomo, Indiana	#2 Diesel	13,000 Gal.
Bluffton, Indiana	#4 Oil	1,000 Gal.
Cuba, New York	Petroleum Naphtha	20,800 Gal.
Star City, Indiana	Formaldehyde	18,500 Gal.
Lima, Ohio	Calcium Metasilicate	
Alexandria Bay, N.Y.	#6 Oil	308,000 Gal.
Tiffin, Ohio	Chromic Acid	28,000 Gal.
Elkhart, Indiana	#2 Diesel	9,500 Gal.
Dayton, Ohio	#2 Fuel Oil	
Columbus, Ohio	Arsenic Acid	
Delaware, Ohio	Gasoline	8,500 Gal.
Hillard, Ohio	#2 Diesel	6,000 Gal.
Kokomo, Indiana	#6 Oil	1,000 Gal.
Wooster, Ohio	#2 Diesel	11,000 Gal.

O. H. MATERIALS, INC.

P.O. BOX 1022
FINDLAY, OHIO 45840

24 HR. PHONE 419/423-3526

PARTIAL LISTING OF PRODUCTS HANDLED

ACRYLONITRILE

AMMONIUM NITRATE

ANIMAL GREASE

ARSENIC ACID

ASPHALT

CALCIUM HYDROXIDE

CALCIUM HYPOCHLORITE

CALCIUM METASILICATE (NON METALLIC)

CAUSTIC CHROME

CHLOROFORM

CHLOROSULFONIC ACID

CRUDE OIL

EPSILON CAPROLACTETONE

FORMALDEHYDE

GASOLINE

HYDROCHLORIC ACID

HYDROGEN PEROXIDE (90%)

LINSEED OIL (RAW)

LIQUID RUBBER (LATEX)

OIL (VARIETY OF TYPES #1 - #6)

METHYL AMYLKETONE

MONO-METHYLAMINE

PETROLEUM NAPHTHA

PHOSPHORIC ACID

PHOSPHORUS

PHOSPHORUS TRICHLORIDE

POLYPROPYLENE ETHER

SODIUM HYDROXIDE

SODIUM (METALLIC)

SULFUR

SULFURIC ACID

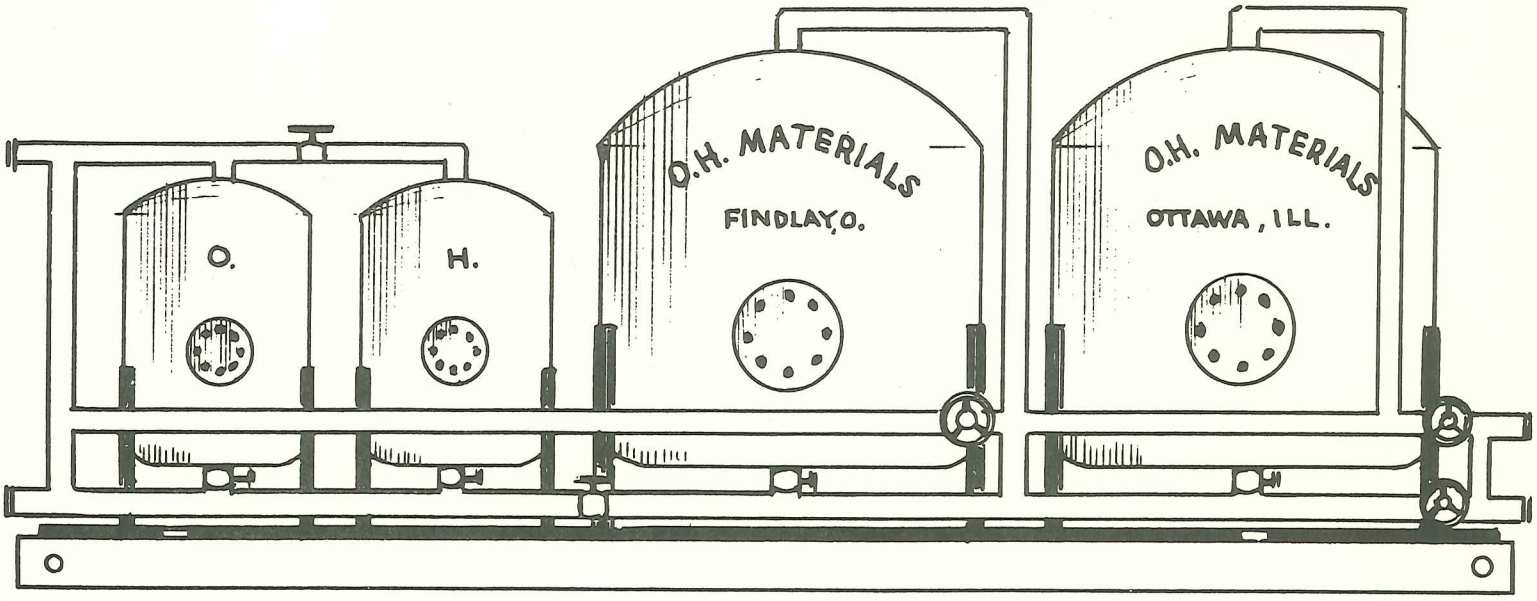
TALLOW

XYLENE

ETHYLENE OXIDE

ETHYL ACRYLATE

ACETALDEHYDE



MOBILE ACTIVATED CARBON FILTRATION SYSTEM

O.H. MATERIALS, INC. DESIGNED AND BUILT THE ONLY MOBILE ACTIVATED CARBON FILTRATION SYSTEM IN THE UNITED STATES OWNED BY A NONGOVERNMENTAL AGENCY. THIS SELF-CONTAINED WATER TREATMENT SYSTEM IS CAPABLE OF REMOVING A VARIETY OF CLASSES OF HAZARDOUS MATERIALS FROM WATER. TWO MIXED MEDIA FILTERS REMOVE SUSPENDED SOLIDS PRIOR TO INTRODUCTION INTO THE TWO TANKS OF GRANULAR ACTIVATED CARBON FOR REMOVAL OF POLLUTANTS. THIS SYSTEM IS DESIGNED SO THAT THE CARBON COLUMNS MAY BE OPERATED IN SERIES OR IN PARALLEL. PORTABLE RAPIDLY DEPLOYABLE STORAGE TANKS HOLD THE EFFLUENT WATER FOR ADDITIONAL TESTING BEFORE RETURNING THE WATER TO THE ENVIRONMENT.