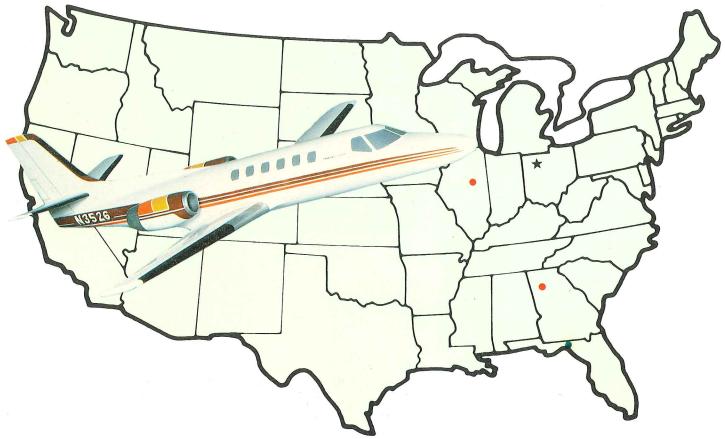


O. H. Materials, Inc.

Oil and Hazardous Material Containment and Cleanup

24-HOUR RESPONSE 1-419-423-3526



There is great concern and even fear today about the consequences of an incident, whether transportation or industrial, involving the release of oil and hazardous materials. These consequences range from loss of life, revenue, lading, equipment and operating time to potential long-term environmental and health damage.

Regulatory controls governing the handling, control, mitigation and cleanup of spill incidents are becoming more exacting and restrictive. Immediate response to a spill involving oil or hazardous materials is, therefore, the keystone in any effort to protect life, property and the environment.

O.H. Materials is a unique company dedicated to providing the kind of effective and economical emergency response necessary to alleviate the hazard, mitigate the damage and restore environmental integrity.

O.H. Materials, headquartered in Findlay, Ohio, is a full service contractor

- **★** Corporate Offices Findlay, O.
- Regional Offices Atlanta, Ga. Ottawa, III.
- Division Offices
 St. Marks, Fla.

specializing in the control, handling and cleanup of oil and hazardous material spills. During the last decade, we have responded to spill emergencies across the country and have dealt with over 1,000 different hazardous and non-hazardous materials in quantities up to several million gallons.

We offer a wide range of services including oil and hazardous chemical spill containment and cleanup, underground recovery systems, on site treatment and stabilization, materials transfer, mobile analytical laboratory services, an integrated communication network and consultative problem solving in the field.

One phone call to corporate headquarters in Findlay, Ohio, is all that is necessary to dispatch equipment and personnel from any division—anytime.

1-419-423-3526









The mobility of our specialized equipment enables us to respond immediately to even the most inaccessible areas, under the most adverse weather conditions, day or night.

Oil Spill Containment & Cleanup

O.H. Materials crews provide professional expertise in all phases of oil spill containment and cleanup. Our personnel have successfully handled a wide variety of products spilled in diverse locations, climates and terrains throughout the United States.

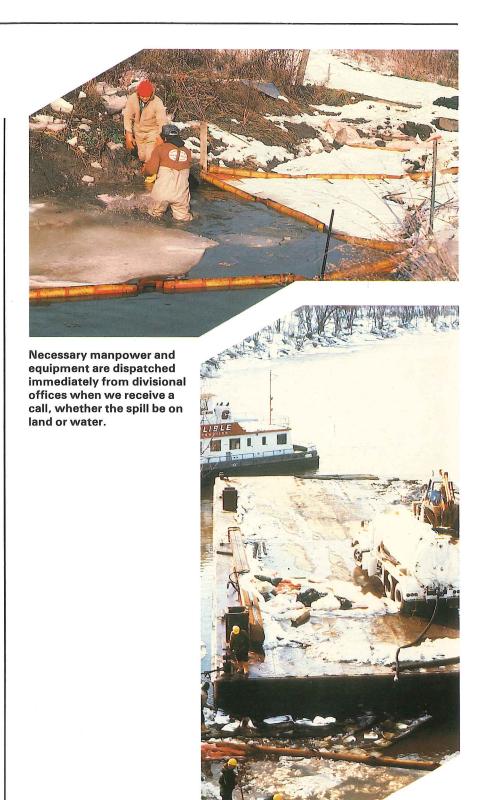
Our personnel, a wide variety of equipment adaptable to normally inaccessible areas, and knowledgeable supervisors form a company that will provide cost-effective cleanup of small and large spills on land or water.

Our experience in dealing with the problems and consequences posed by a spill enables us to make a rapid assessment of the situation and apply the most efficient cleanup technology. A sophisticated communication network links all regional and division offices. This network enables our personnel to respond immediately with the equipment necessary.

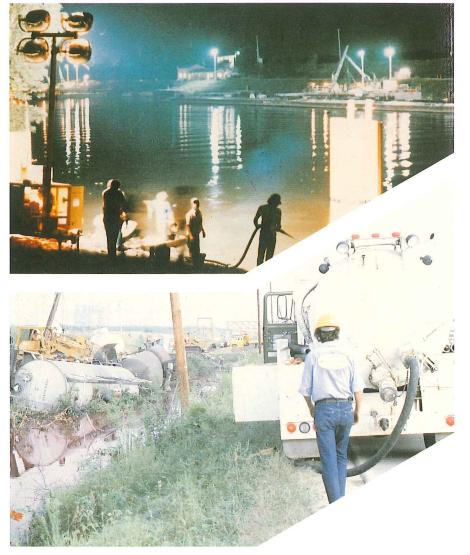
In addition, our supervisory personnel have worked in conjunction with all forms of federal, state and local regulatory agencies.

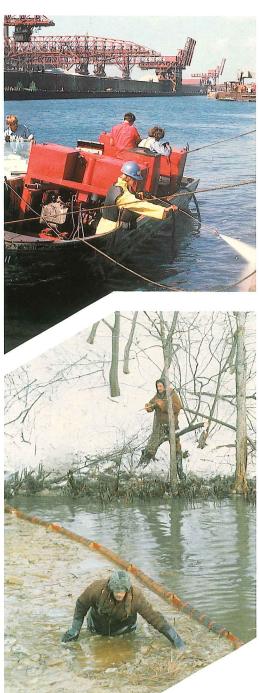
Immediately available to field crews is a large inventory of specialized equipment including a fleet of various capacity vacuum units (including skid type units that convert easily from trailer mounting to mounting on barges or railroad flat cars), work boats and jon boats, high pressure washdown pumps and water lasers, transfer pumps, small and large oil skimmers, separators, sampling equipment, portable lighting, safety gear, all terrain vehicles, pollution control equipment trucks and any heavy construction equipment needed.

Large inventories of containment booms and sorbent materials are strategically-located throughout the O.H. network, eliminating lengthy waits and problems with coordination.









A variety of equipment facilitates our handling cleanup tasks of any size at any location, from highway berms to the Mississippi River.

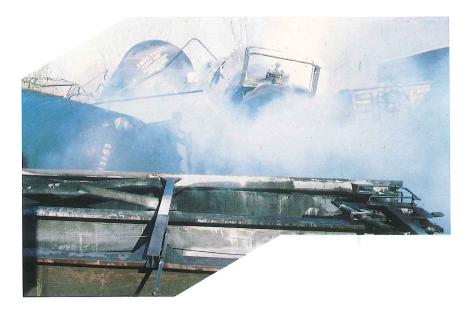
Hazardous Materials Containment & Cleanup

One of the prime objectives of O.H. Materials is to alleviate the consequences of an accidental release of hazardous materials and restore environmental integrity efficiently and economically.

Regardless of spill size, location or nature, we respond with the specialized equipment and trained personnel necessary to minimize any safety or environmental hazard.

We have developed and perfected many techniques to handle diverse emergency situations involving a wide range of hazardous chemicals. These techniques are highly-effective and sophisticated and have been proven time and again under the duress of field conditions.





Our crews have contained and cleaned up spills ranging from plant explosions to train derailments.

Our emergency response teams are trained to prevent the contamination of rivers, streams and underground water supplies through quick containment of hazardous material spills. If, however, the material has already contaminated the water, our crews can trace the pollutant flow and isolate it for treatment or disposal.

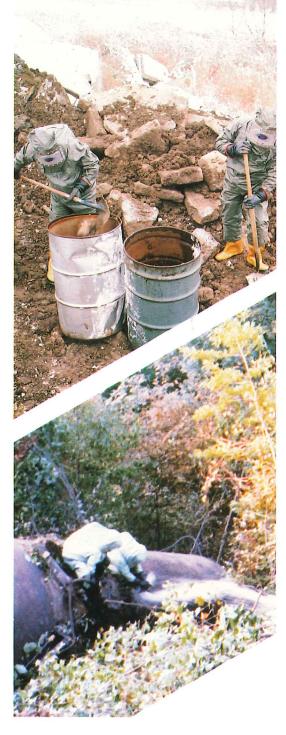
In some cases, it may not be economically feasible to remove and properly dispose of a large volume of pollutant. Our chemists and chemical engineers can use physical, chemical or biological techniques to stabilize the situation and reduce the volume of pollutant, thereby minimizing costly disposal.







Special equipment and training prepares O.H. crews to respond to hazardous material spills on highways, along railroad lines and in the most remote locations. Our special breathing apparatus and fully-enclosed chemical/gas suits insure safety of personnel working closely with toxic substances.



Underground Recovery Systems

O.H. Materials has pioneered innovative underground recovery systems which allow simultaneous cleanup and restoration of operations. This is of prime importance following a train derailment, when it is essential to clean up the spill and put the road back into operation quickly.

The process of injection-recovery is a technique used successfully by our field personnel. Automatic pumping systems force flushing media into the ground through an intricate piping system.

Pollutants are flushed and removed from soils and underground water tables through a pneumatic recovery system.





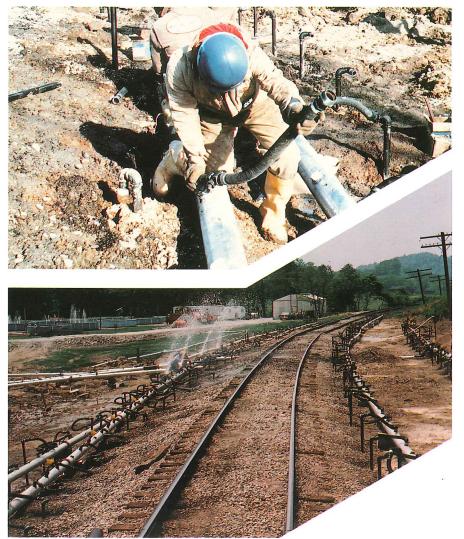
A variety of portable, rapidly deployable units facilitate our underground recovery work.

Contaminated effluent is then transferred to support facilities for removal or degradative treatment. In certain situations, this system is readily adaptable to containment of pollutant movement in underground water tables or aguifers.

The pneumatic recovery and injection systems have also proved successful for underground installation and distribution of bio-media. As a cost-effective final cleanup step, O.H. Materials has utilized in situ use of biodegradation.

O.H. field crews have also faced and treated deep water table contamination problems requiring the use of sophisticated deep well pumping systems for containment and/or removal.







One system or a combination of systems can be utilized to effectively recover underground contaminants and to return the environment to a healthy state.

On Site Treatment

On site treatment to detoxify or immobilize oil or chemical substances is frequently the most practical solution to a contamination problem. Physical, chemical and biological treatment at the scene can often eliminate more costly solutions such as excavation and subsequent disposal or long-term monitoring and treatment of contaminated water supplies.

Mobile carbon filtration units are valuable tools for removal of organic pollutants from water. Modular systems from O.H. Materials can effectively treat waste water volumes from as little as 100 apd. up to 1,000,000 apd.

Aeration systems ranging in size from spargers in a waterway to fully-automated impoundments for controlled rate removal of toxic chemicals have been installed on site by O.H. crews.

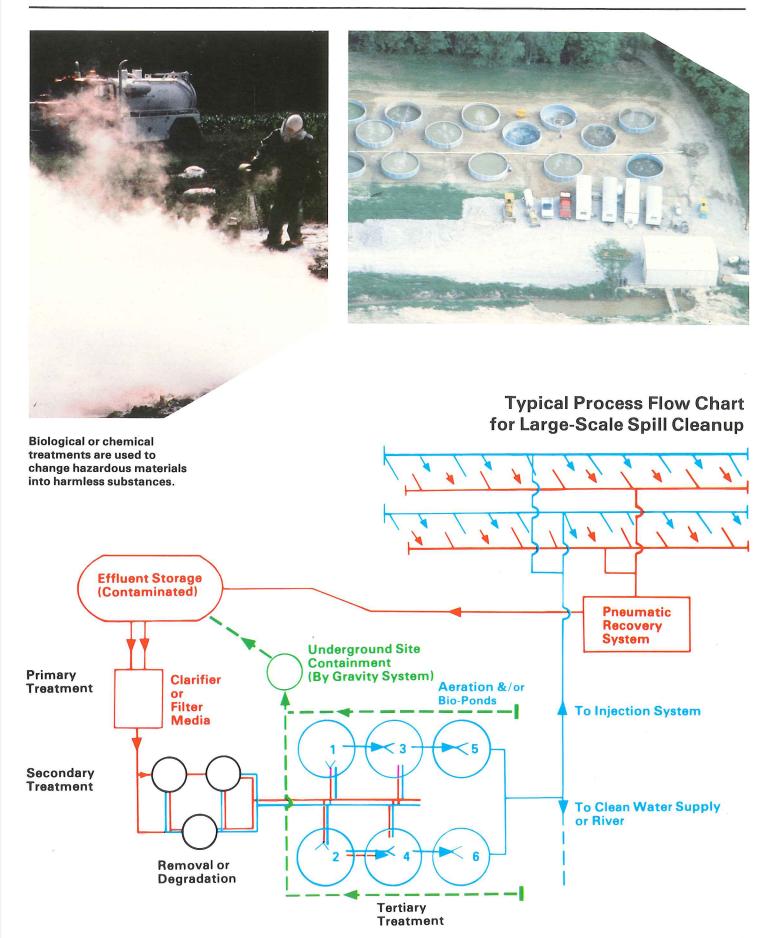
Other well-known physical/chemical treatment techniques such as neutralization, precipitation, coagulation and dispersion are used when deemed appropriate by our field crews.

Also used in field applications is in situ chemical and biological degradation. Innovative techniques and equipment have been developed for monitoring treatment effectiveness.









Materials Transfer

Material transfers in the field often prove to be cost-saving measures when salvage value, disposal costs, shipping costs, cleanup and monitoring costs and operational downtime are considered. Minimizing operational downtime is a major concern of O.H. Materials when transferring materials.

Several semi-vans, fully-equipped for any type of emergency transfer problem, form the core of our materials transfer division. In addition to a complete line of safety gear including protective clothing, the vans contain a variety of sophisticated pumps and other auxiliary equipment.

Housed in the vans are portable hydraulic power paks, high rate delivery pumps, viscous material pumps, acid pumps, nitrogen purging systems, pneumatic transfer systems with air dryers and fume scrubbers, steam heating equipment (up to 1,000,000 BTUs), stainless steel-teflon lined hoses, acid hoses, metering equipment, vapor control systems, power entry tools, tank patching equipment and stainless steel, teflon, PVC and other piping components.



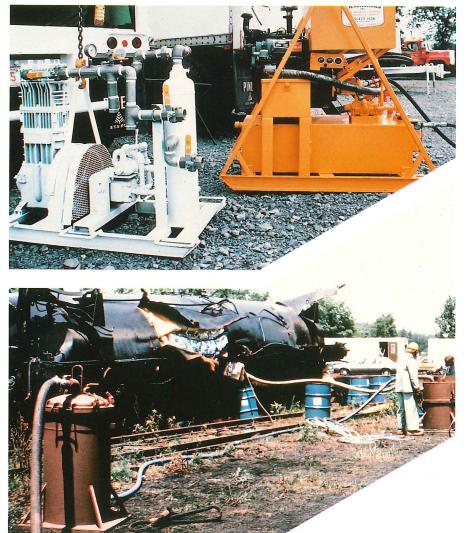
Using specialized equipment, our crews have transferred a variety of materials in spill situations.

This state-of-the-art equipment requires the highly-trained personnel and complete technical staff available from O.H. Materials. We sample, analyze and monitor products before, during and after handling to prevent contamination and assure product stability.











We sample, analyze and monitor products before, during and after handling to prevent contamination and assure product stability.

Analytical Capabilities

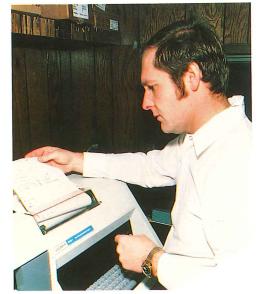
Analysis of the nature and extent of contamination resulting from a spill is essential to efficient cleanup operations. O.H. Materials maintains the mobile laboratory facilities to meet this demand.

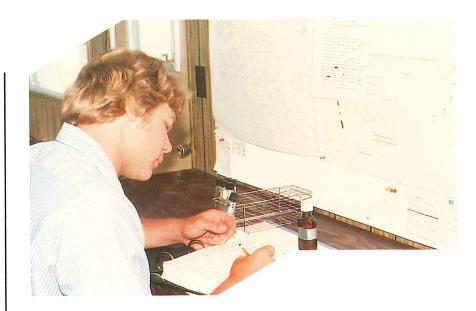
We maintain complete, sophisticated mobile laboratory facilities at corporate headquarters in Findlay, Ohio. Our chemists maintain the most advanced equipment and strict quality control procedures.

To further serve the needs of our clients, O.H. offers rapid on-site analysis of pollutant levels and constant monitoring of effects and progress of the cleanup.

Three levels of response are available for on-site monitoring. Many situations can be handled by a technician with a field chemistry kit. More precise but still rapidly available information can be provided by van-mounted, total organic carbon analyzers.

Sometimes, however, on-site analysis requires the use of more sophisticated analytical instruments. In these cases, we can dispatch a fully-staffed mobile laboratory. This laboratory can be equipped to provide rapid, precise and accurate analysis of almost any contaminant.





Skilled personnel using precision instruments maintain our lab facilities in the most advanced state of the art.

If equipment too sensitive to be moved is involved, off-site analysis is an option. We can transport samples to our laboratory in Findlay for extensive analysis.

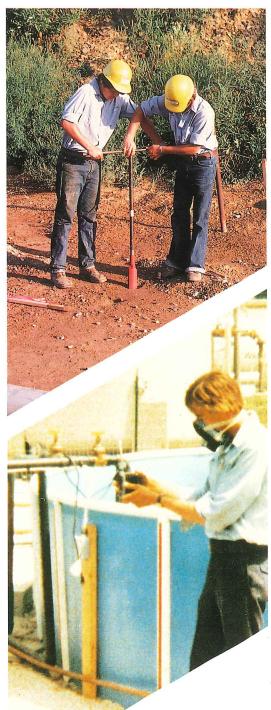
Sometimes it is advisable to have some analyses run by an independent laboratory. We can serve as liaison with numerous competent, independent laboratories to provide certified analysis of samples.











Our expertise with testing procedures enables us to make quick, precise analysis. Our mobile lab units are linked with the homebase lab to provide in-depth analysis of the spill site situation.

Specialized Personnel & Services

O.H. Materials provides highly specialized services requiring a full compliment of experienced professionals and custom-designed equipment.

Our staff includes chemists, chemical engineers, civil engineers, geologists and technicians who remain continually aware of new regulations and advances in technology and field methodology. We also conduct weekly safety classes to keep our response teams alert to the problems facing them in the field.

The expertise of our staff in safety procedures, handling and cleanup techniques insures cost-effective and efficient handling of any material spill.

We also deploy an experienced supervisor to each job site to assess the situation and to coordinate manpower and activities.

In all spill situations a quick, dependable and safety-conscious response can save time, money, and very possibly, lives.

Equipment needs are as specialized and diversified as the services we offer. Much of our equipment is designed by our own engineers to meet the specific job needs.





O.H. personnel and equipment are as diversified as the situations we encounter. To coordinate activities, experienced supervisory personnel are deployed to each site.

Unique to O.H. Materials are mobile activated carbon filtration systems, designed and built to serve our customers. Our systems comprise the only mobile operation of its kind in the U.S. owned and operated by private industry.

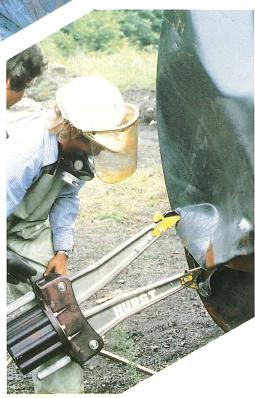
O.H. expertise has also provided a technological breakthrough in tank car patching capabilities. When properly utilized, tank patching reduces your potential liability by limiting product loss, spill cleanup costs, additional personnel and property exposures and costly loss of operating revenues. Successful patches have been safely applied by our crews to various types of hazardous material containers.







Through the use of our proprietary equipment, and our familiarity with new procedures and techniques, O.H. crews can complete the job expediently in the most safe and costeffective manner.





Communication

Communication plays a vital role in our ability to handle the diverse situations we encounter. It is essential not only in dealing with our clients, but with our personnel as well.

In any emergency or a situation threatening the safety of the environment and even lives, conditions demand instant and knowledgeable decisions and directives for crews. To provide that direction, we have developed an integrated communication system that relays necessary information to all personnel en route to and at the spill site.

All O.H. response lead vehicles are equipped with citizen band radios, marine band radios, the company's own UHF radio system and radio telephones to assure constant and direct communication.

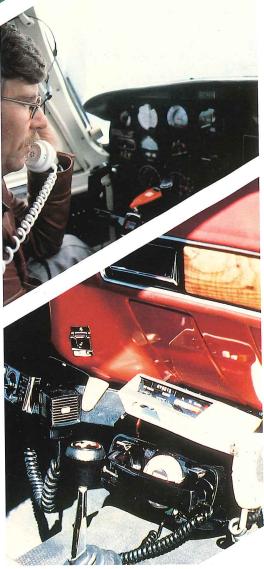
Hand-held UHF radios tie all crews into the communication system to more efficiently coordinate all on-scene activity. Telephone computer hookups also provide the necessary communication with divisional offices and with headquarters in Findlay, Ohio.

Each division is capable of handling normal spills and each has direct computer contact with headquarters for required chemical analysis and other backup services.





From the time crews are dispatched until the job is completed, workers are in contact with divisional offices and supervisory personnel through our sophisticated network of communication.



O. H. Materials, Inc.

Oil & Hazardous Material Spill CONTAINMENT & CLEANUP

24-hour number

419-423-3526

P.O. Box 1022—Findlay, Ohio 45840

NATIONAL RESPONSE CENTER 1-800-424-8802

O.H. Materials, Inc. is dedicated to providing the kind of effective, economical emergency response necessary to alleviate the hazard, mitigate the damage and restore environmental integrity.

O. H. MATERIALS CO. P. O. BOX 1022, Findlay, Ohio 24 HR. PHONE 419/423-3526

EXPERIENCE DATA PARTIAL LISTING

LOCATION	MATERIALS	AMT. SPILLED
C+ Poul MN	#4 Oil	5,600 GAL.
St. Paul, MN Jacksonville, FLA	Pesticides	16,000 GAL.
Dittmer, MO	Chlorobenzenes, PCB, Solvents, Ethers, Phenols	4,600 BBL.
Cuba, NY	Petroleum Naptha	5,600 GAL.
Bay St. Louis, MS	Kepone, Mirex, other pesticides	147 BBL.
Rushville, OH	Monomethylamine, Phosphorus Trichloride, Ammonium Nitrate, Chloroform, LPG etc.	UNKNOWN
Detroit, MI	#2 Diesel	20,000 GAL.
Chicago, ILL	Polychlorinated Biphenyls	800 GAL.
Hagerstown, MD	White Phosphorus	37,000 LBS.
Selma, AL	Aniline Oil	450 GAL.
Benson, KY	Acrylonitrile, Hydrocyanic Acid, Lube Oil	7,000 GAL.
Monticello, ARK	#6 Oil	7,000 GAL.
Lodi, OH	Latex Paint	60,000 GAL.
Newark, NJ	Hydroflouric Acid, Benzene, Phosphorus, Pyridine	1,000,000 GAL.
Arlington, NEB	Anhydrous Ammonia	UNKNOWN
Cincinnati, OH	Pheno1	21,000 GAL.
Atlanta, GA	Acids, Arsenic Trioxide/Pentoxide, Copper Sulfate	4,500 GAL.
St. Marks, FLA	0i1	UNKNOWN
Sarnia, Ontario	Ethyl Acrylate	UNKNOWN
Clearfield, PENN	Phosphorus Trichloride	2 BBL.
Milwaukee, WS	Bunker 0il	15,000 GAL.
Charlotte, NC	50% Caustic Soda	UNKNOWN
Alexandria Bay, NY	#6 Oil	308,000 GAL.
Louisville, KY	Industrial Wastes	28,000 BBL.
Millbury, OH	Hydrogen Peroxide (90%)	2,500 GAL.
Dillsboro, IN	Methyl Acrylate, Cresol Lube Oil	40,000 GAL.
Jackson, MISS	Animal Fat	3,000 GAL.
Forest, OH	Trichloroethylene, Methylene Chlorine	4,500 GAL.
Crestview, FLA	Anhydrous Ammonia, Chlorine	- 000
Andover, NY	Raw Linseed Oil	7,000 GAL.
Atlanta, GA	Monzalite sand (radioactive)	30,000 LBS.
Hanover, OH	Ethylene Oxide, Ethyl Acrylate, Acetaldehyde	52,000 GAL.
Ottuma, IO	Isooctyl Alcohol, Propylene	3,000 GAL.
Charleston, SC	Crude 0il	15,000 GAL.
Conyers, GA	Hexanol, Octanol, Decanol, Carbon Dioxide	12,000 GAL.
Woodland Park, MI	Phenol, Vinylidene Chloride, Ethylene Oxide	80,000 GAL.
Lasalle, ILL	Styrene	2,000 GAL.
Montezuma, IN	LPG, Denatured Alcohol	47,000 GAL.
Forest, OH	Hexavalent Chrome	700 GAL.
Linden, NJ	Sulfur Trioxide	12 BBL.
Lima, OH	Vinyl Chloride, Calcium Metasilicate	1,500 GAL.
Bowling Green, KY	Toluene Diisocyanate	UNKNOWN
Myersville, OH	Crude 0il	100,000 GAL.
Erie, PA	Gasoline	5,000 GAL.
Ithaca, NY	Monochloroacetic Acid	30,000 LBS.
Cincinnati, OH	Chlorosulfonic Acid	14,000 GAL.
Memphis, TN	Methyl Parathion, EPN, other Pesticides	9,000 GAL.
Uhrichsville, OH	Tetrahydrofuran	, ooo GAL.

EXPERIENCE DATA PARTIAL LISTING CONTINUED

LOCATION	MATERIALS	AMT. SI	LILLED	
Point Pleasant, WV	Epichlorohydrin	20,000	GAL.	
Laporte, IN	Phosphorus	1,500	GAL.	
Findlay, OH	Propylene Dichloride, Ditertiary Nonyl Polysulfide	45,000	GAL.	
Basset, VA	Hydraulic Oil	1,000	GAL.	
Bedford, IN	Super Phosphoric Acid	2,000	GAL.	
Elkhorn, WS	Arsenic Trioxide	65	TONS	
Akron, OH	Phenolic Mercury Acetate	17	BBL.	
Danville, ILL	Xylene	700,000	GAL.	
Lafayette, IN	Picric Acid, Nitrogylcerin, Phosgene, Metalic			
	Sodium, Nitrocellulose, Explosives	41	BBL.	
Lacrosse, WS	JP4	113,000	GAL.	
Knoxville, TN	Cyanide, Waste	1	BBL.	
Cordova, AL	Methyl Isobutyl Ketone, MEK, Paint, Waste Oil	120	TONS	
Star City, IN	Formaldehyde	20,000	GAL.	
Summit, ILL	Asphalt	20,000	GAL.	
Tiffin, OH	Chromic Acid	28,000	GAL.	
Ft. Wayne, IN	Sodium Hydroxide	5,000	GAL.	
Delaware, OH	Heavy Metals, Chlorinated Hydrocarbons	72,000	GAL.	
Sarnia, Ontario	Propylene	78 Tank (Cars.	

O. H. Materials Co.

Oil and Hazardous Material Spill Containment and Clean-up

Regional Offices: Ottawa, Illinois Atlanta, Georgia Washington, D.C.

P.O. Box 1022 Findlay, Ohio 45840 Telephone (419) 423-3526 1-800-537-9540

PARTIAL LISTING OF PRODUCTS HANDLED

ACETALDEHYDE

ACETIC ACID

ACETIC ANHYDRIDE

ACETONE

ACETYLENE

ACRYLIC ACID

ACRYLONITRILE

ALDRIN

ALLYL ALCOHOL

ALUMINA HYDRATE

ALUMINUM CHLORIDE

ALUMINUM SULFATE

AMMONIUM HYDROXIDE

AMMONIUM NITRATE

AMYL ACETATE

AMYL ALCOHOL

ANHYDROUS AMMONIA

ANILINE

ARSENIC ACID

ARSENIC TRIOXIDE

ASBESTOS

ASPHALT

BENZENE

BENZYL CHLORIDE

BROMINE

BUTADIENE

BUTANE

BUTYL ACETATE

BUTYL ALCOHOL

BUTYL CELLOSOLVE

BUTYLENE

CADMIUM NITRATE

CALCIUM CARBIDE

CALCIUM HYDROXIDE

CALCIUM HYPOCHLORITE

CALCIUM METASILICATE

CAPTAN

CARBON BLACK

CARBON TETRACHLORIDE

CAUSTIC SODA

CHLORACETIC ACID

CHLORINE

CHLORDANE

CHLOROBENZENE

CHLOROFORM

CHLOROPHENOLS

CHLOROSULFONIC ACID

CHROME ACETATE

CHROME OXIDE

COBALT AMMONIUM PHOSPHATE

COPPER SULFATE

CORN SYRUP

CRESOLS

CRUDE OILS

CYCLOHEXANES

DALAPON

DIAZINON

DICAMBA

DDT

DICHLOROBENZENE

DICHLOROMETHANE

DICHLOROPHENOL

DICHLORVOS

DICHLOROPROPANE

DICYCLOPENTADIENE

DIELDRIN

DIESEL FUELS

DIISOBUTYLENE

DIMETHYLAMINE

DIMETHYLHYDRAZINE

DINITROTOLUENE

DIOXANE

DIOXIN

DIQUAT

DURSBAN

ENDOSULFAN

ENDRIN

EPICHLOROHYDRIN

EPSILON CAPROLACETONE

ETHANE

ETHER

ETHYL ACETATE

ETHYL ACRYLATE

ETHYLENE

ETHYLENE GLYCOL

ETHYLENE OXIDE

ETHYL ETHER

ETHYL P-NITROPHENYL

THIONOBENZENE (EPN)

FORMALDEHYDE

FORMIC ACID

FURFURAL

GASOLINE

GLYCERINE

OLEUM GUTHION ORTHOCHLOROPHENOL HEPTACHLOR PARAFORMALDEHYDE **HEPTANE** HEXACHLOROCYCLOPENTADIENE (C-56) PARANITROANILINE PARATHION HEXAETHYL TETRAPHOSPHATE (HETP) PENTACHLOROPHENOL HEXANE PENTANE HEXAVALENT CHROME PHENOL HEXENE HYDROCHLORIC ACID PHORATE (THIMET) PHOSGENE HYDROFLUORIC ACID PHOSPHINE HYDROGEN CHLORIDE PHOSPHORIC ACID HYDROGEN CYANIDE HYDROGEN PEROXIDE PHOSPHORUS HYDROGEN SULFIDE PHOSPHORUS TRICHLORIDE PICRIC ACID HYDRAZINE PCB's ISOBUTYL ALCOHOL POTASSIUM CYANIDE ISOPRENE POTASSIUM HYDROXIDE ISOPROPYL ALCOHOL POTASSIUM PERMANGANATE JET FUELS PROPANE KEPONE PROPYLENE KEROSENE PROPIONIC ACID LATEX SODIUM LEAD ACETATE SODIUM BICHROMATE LINDANE SODIUM BISULFITE LINSEED OIL SODIUM CHLORATE LNG SODIUM CYANIDE LPG SODIUM FLUROIDE MALATHION SODIUM HYDROXIDE MERCURY METHACRYLIC ACID SODIUM HYPOCHLORITE SODIUM SILICATE **METHANE** STYRENE METHANOL SULFUR METHYL ACRYLATE SULFUR DIOXIDE METHYL ALCOHOL SULFUR TRIOXIDE METHYL AMYL KETONE SULFURIC ACID METHYL BROMIDE TALLOW METHYL CHLORIDE TETRAETHYL METHYL ETHYL KETONE DITHIOPYROPHOSPHATE (TEDP) METHYL ISOBUTYL CARBINOL TETRAETHYL LEAD METHYL ISOCYANATE TETRAHYDROFURAN METHYL METHACRYLATE METHYL PARATHION TITANIUM DIOXIDE TITANYL SULFATE MOLYBDIC OXIDE TOLUENE MONOCHLOROACETIC ACID TOLUENE DIISOCYANATE MONOMETHYLAMINE TOXAPHENE MINERAL SPIRITS TRICHLOROETHYLENE **NAPTHAS** TURPENTINE NAPHTHALENE VINYL ACETATE NICKEL CARBONATE VINYL CHLORIDE NITRIC ACID VINYLIDENE CHLORIDE NITROBENZENES XYLENES NONENE ZINC ACETATE OCTADECANE 2, 4 - DOCTENE 2, 4, 5 - TOILS - #1 thru #6

