



CHEMICAL INVENTORY AND STORAGE FORM PART 1

KALAMAZOO DEPARTMENT OF PUBLIC SAFETY RIGHT TO KNOW QUESTIONNAIRE

DATE COMPLETED:			
NAME OF PREMISES:			
SITE ADDRESS:			
SITE TELEPHONE:			
EMERGENCY TELEPHONE:	(Numbers should be direct to facility representatives and available 24 hrs. Number should by-pass automated phone trees)		
QUESTIONNAIRE COMPLETED BY:			
PHONE:			
EMAIL ADDRESS:			
SITE USE: Please check most appropriate box	<input type="checkbox"/>	CHEMICAL USER (Chemicals used in activities on site)	
	<input type="checkbox"/>	CHEMICAL PRODUCER (Chemicals manufactured at this site, includes packaging)	
	<input type="checkbox"/>	OTHER (Chemicals are stored on site, but not used or produced. Such as service stations, retail store, storage facility)	

Emergency Contacts: (Include Private Alarm / Security Companies, Maintenance Staff)				
NAME	TITLE	BUSINESS PHONE	HOME PHONE	CELL PHONE

EMERGENCY VENDORS	
SPILL CLEAN UP COMPANY	
ADDRESS:	
PHONE NUMBERS REGULAR and AFTER HOURS NUMBERS:	

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CHEMICAL TYPE SURVEY				
Check 1 Box for Each Category				
CHEMICAL TYPE	SPECIFIED QUANTITY	HAVE AT OR ABOVE SPECIFIED QUANTITY	HAVE BUT BELOW SPECIFIED QUANTITY	DO NOT HAVE
CLASS 1				
Explosives & Blasting Agents (Not including Class C Explosives)	Any Quantity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CLASS 2				
Poison Gas	Any Quantity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flammable Gas	100 gal. Water Capacity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-Flammable Gas	100 gal. water capacity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CLASS 3				
Flammable Liquid	1000 gallons	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Combustible Liquid	10,000 gallons	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CLASS 4				
Flammable Solid (Dangerous when wet)	100 lbs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flammable solid	500 lbs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Spontaneously Combustible Material	100 lbs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CLASS 5				
Oxidizer	500 lbs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Organic Peroxide	250 lbs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CLASS 6				
Poison	500 lbs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Irritating Material: Liquid	1000 gallons	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Irritating Material: Solid	500 lbs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CLASS 7				
Radioactive Material (Yellow III Label)	Any Quantity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CLASS 8				
Corrosives: Liquid	1000 gallons	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Corrosives: Solid	500 lbs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NO DOT CATEGORY				
Known Human Carcinogen	Any Category	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The Michigan Occupational Safety and Health Act (MIOSHA) requires that the Department of Public Safety prepare and disseminate to our Officers a plan for executing the department's responsibilities with respect to each site within the City of Kalamazoo where hazardous chemicals are used or produced. There are no exemptions based on the quantity of chemicals at the site. The purpose of the act is to ensure firefighter safety.

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HAZARDOUS CHEMICAL DEFINITIONS

Carcinogen – A chemical is considered to be a carcinogen if: 1) it has been evaluated by the International Agency for Research on Cancer (IARC) and found to be a carcinogen or potential carcinogen; or 2) it is listed as a carcinogen or potential carcinogen in the Annual Report on Carcinogens published by the National Toxicology Program (NTP) (latest edition), or 3) it is regulated by OSHA as a carcinogen.

Combustible liquid – Any liquid having a flashpoint at or above 100 degrees F (37.8 degrees C), but below 300 degrees F (93.3 degrees C), or higher, the total volume of which make up 99 percent or more of the volume of the mixture.

Corrosive (liquid and solid) – Any liquid or solid that causes visible destruction or irreversible damage to human skin tissue. Also, it may be a liquid that has a severe corrosion rate on steel.

Explosives and blasting agent (not including Class C explosives) – “Explosive” means a chemical that causes a sudden, almost instantaneous release of pressure, gas, and heat when subjected to sudden shock, pressure, or high pressure. “Blasting Agent” means a material designed for blasting. It must be insensitive that there is very little probability of: 1) accidental explosion, or 2) going from burning to detonation.

Flammable liquid – Any liquid having a flashpoint below 100 degrees F (37.8 C), except any mixture having components with flashpoints of 100 degrees F (37.8 C) or higher, the total of which makes up 99 percent or more of the total volume of the mixture.

Flammable gas – A gas that can burn with the evolution of heat and a flame. Flammable compressed gas is any compressed gas of which: 1) a mixture of 13 percent or less (by volume) with air is flammable, or 2) the flammable range with air is under 12 percent.

Flammable solid – A solid, other than a blasting agent, or explosive, that is liable to cause fire through friction, absorption or moisture, spontaneous chemical change, or retained heat from manufacturing or processing, or which can be ignited readily and when ignited burns so vigorously and persistently as to create a serious hazard.

Flammable solid (dangerous when wet) – - Water Reactive Material (Solid) - Any solid substance (including sludges and pastes) which react with water by igniting or giving off dangerous quantities of flammable or toxic gases. (Sec.171.8).

Irritating material - liquid and solid - A liquid or solid substance which, upon contact with fire or air, gives off dangerous or intensely irritating fumes.

Non-flammable gas - Any compressed gas other than a flammable compressed gas.

Organic peroxide - An organic compound that contains the bivalent -O-O structure and which may be considered to be a structural derivative of hydrogen peroxide where one or both of the hydrogen atoms has been replaced by an organic radical.

Oxidizer - A chemical that initiates or promotes combustion in other materials, thereby causing fire either of itself or through the release of oxygen or other gases. Example being: chlorate, permanganate, inorganic peroxide, or a nitrate, that yields oxygen readily.

Poison (Less dangerous poisons, toxic) - substances, liquid or solids (including pastes and semi- solids) so toxic to man that they are a hazard to health during transportation.

Poison gas (Extremely dangerous poisons, highly toxic) - poisonous gases or liquids) - a very small amount of the gas, or vapor of the liquid, mixed with air is dangerous to life.

Radioactive material (yellow 111 label) - Any material, or combination of materials, that spontaneously gives off ionizing radiation.

Spontaneously combustible material (Solid) - A solid substance (including sludge's and pastes) which may undergo spontaneous heating or self-burning under normal transportation conditions. These materials may increase in temperature and ignite when exposed to air.



CHEMICAL INVENTORY AND STORAGE FORM PART 2

DRINKING WATER PROTECTION QUESTIONNAIRE

Please summarize the activities at this site, including principal products or services provided:

Please check the corresponding box if your facility has prepared any of the following:
<input type="checkbox"/> Pollution Incident Pollution Plan (PIPP)
<input type="checkbox"/> Risk Management Program/Plan (RMP)
<input type="checkbox"/> Spill Prevention Control and Countermeasures Plan (SPCC)
<input type="checkbox"/> Storm Water Pollution Prevention Plan (SWPPP)
<input type="checkbox"/> Hazardous Waste Contingency Plan (HWCP)
<input type="checkbox"/> Other Spill Contingency Plan, please explain.

Please check the corresponding box if your facility has prepared or is designated as any of the following:
<input type="checkbox"/> Listed as a Part 201 Site under Act 451
<input type="checkbox"/> Listed as a Part 213, Leaking Underground Storage Tank, Site under Act 451
<input type="checkbox"/> Baseline Environmental Assessment
<input type="checkbox"/> Due Care Plan
<input type="checkbox"/> Other known release of a regulated substance or ongoing contamination, please explain.

Kalamazoo’s wellhead protection ordinance (No. 1825) defines the following as Regulated Substances:

1. Substances for which there is a materials safety data sheet (MSDS), and the MSDS cites possible health hazards
2. Hazardous Waste, as defined by the Resource Conservation and Recovery Act (RCRA) of 1976
3. Hazardous Substance, as defined by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)
4. Radiological materials
5. Biohazards

EXAMPLES OF REGULATED SUBSTANCES INCLUDE

A. PETROLEUM PRODUCTS Examples: Gasoline, Motor Oil, Heating Oil, Diesel, Used Oil
B. RADIOLOGICAL MATERIALS Common Uses: Gas Chromatography, Scientific Research, Gauges, Manufacturing, Medicine
C. INORGANIC COMPOUNDS (Metals, Metal Compounds and certain Acids and Bases) Examples: Chromium, Arsenic, Cyanide, Nitrate, Hydrochloric Acid, Sodium Hydroxide
D. FERTILIZERS, PESTICIDES, AND OTHER SYNTHETIC ORGANIC COMPOUNDS Examples: 10-10-10, Ammonium nitrate, Atrazine, Carbofuran, Simazine, Bone Meal
E. VOLATILE ORGANIC COMPOUNDS (VOCs) <u>Examples:</u> Paints, Varnish, Solvents, Thinners, Adhesives,
F. SALT Examples: Calcium Chloride, Sodium Chloride, Sand/Salt Mixtures

Do you use or store regulated substances onsite?
 Yes No

If you answered “no” to this question, you do not need to complete page 5 of the questionnaire.

DRINKING WATER PROTECTION QUESTIONNAIRE

Please check any boxes that describe the activities that occur at your property.

Commercial

- Analytical and clinical laboratories
- Animal feedlots
- Auto washes
- Boat builders/refinishers
- Car rental and service stations/automotive repair
- Commercial establishments with fleets of trucks and cars
- Concrete/asphalt/coal/tar companies
- Drum recycling and cleaning
- Dry cleaners and laundries
- Equipment repair
- Food processors/meat packers/slaughter houses
- Fuel oil distributors/stores
- Furniture stripping or refinishing
- Gas stations
- Junk and salvage yards
- Motor vehicle repair/service shops
- Pesticide application services/pesticide stores/retailers
- Petroleum bulk storage (wholesale)
- Photographic development
- Printing
- Salvage yards/impoundment lots
- Truck or rail tanker cleaning
- Wood preserving and treatment

Manufacturing

- Chemical, paint, and plastics manufacturing
- Furniture manufacturing
- Metal manufacturing (including metal plating)
- Mining operations/injection wells
- Other manufacturing (textiles, rubber, glass, etc.)
- Pulp and paper industry

Transportation

- Airport maintenance/fueling areas
- Governmental agencies with fleets of trucks and cars
- Salt piles/sand-salt piles
- Trucking/bus terminals
- Vehicle maintenance operations (transportation/trucking, contractors/construction, auto dealers)

Utilities

- Aboveground oil pipelines
- Electric power generation substations

Waste Disposal

- Landfills/dumps/transfer stations

If you store regulated substances onsite, please summarize the security measures at this site, including fencing, lighting, and flow valves (are they locked when not in use?):

DRINKING WATER PROTECTION QUESTIONNAIRE

REGULATED SUBSTANCES INVENTORY – INDOOR STORAGE AREAS

Our priority is to inventory materials stored in aggregate quantities greater than 55 gallons or 440 pounds. Aggregate quantity means the total storage amount of each material onsite, regardless of container size.

If your facility stores any regulated substances in INDOOR storage areas onsite, please list the specific types of materials below.

Material Name (Chemical or Brand)	Material Use	Container Type ¹	Container Material	Max. Quantity Stored Onsite (with Units)	Are floor drains present in storage area? If yes, are they connected to sanitary sewer, storm sewer, or other?		Containers properly labeled?	How often is the area inspected?	Are walls and floors impervious? Please list material.
					<input type="checkbox"/> Yes	<input type="checkbox"/> No			
<i>Example: Hydraulic oil</i>	Lubricant	Drum	Steel	55 Gallons	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Yes	Weekly	Yes, concrete
					<input type="checkbox"/> Yes	<input type="checkbox"/> No			
					<input type="checkbox"/> Yes	<input type="checkbox"/> No			
					<input type="checkbox"/> Yes	<input type="checkbox"/> No			
					<input type="checkbox"/> Yes	<input type="checkbox"/> No			
					<input type="checkbox"/> Yes	<input type="checkbox"/> No			
					<input type="checkbox"/> Yes	<input type="checkbox"/> No			
					<input type="checkbox"/> Yes	<input type="checkbox"/> No			

¹ Examples: aboveground storage tank (AST), underground storage tank (UST), drum, bags, bottles, pails.

DRINKING WATER PROTECTION QUESTIONNAIRE

REGULATED SUBSTANCES INVENTORY – OUTDOOR STORAGE AREAS

Our priority is to inventory materials stored in aggregate quantities greater than 55 gallons or 440 pounds. Aggregate quantity means the total storage amount of each material onsite, regardless of container size.

If your facility stores any regulates substances in OUTDOOR storage areas onsite, please list the specific types of materials below.

Material Name (Chemical or Brand)	Material Use	Storage Container Type ¹	Storage Container Material	Max. Quantity Stored Onsite (with Units)	Secondary containment structure present? If yes, describe containment, including material and size.		How often is the area inspected?	Is the storage area covered?
					<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
<i>Example: Diesel</i>	Truck Fuel	AST	Steel	500 Gallons	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Concrete dike, 750 gallons	Weekly	Yes
					<input type="checkbox"/> Yes <input type="checkbox"/> No			
					<input type="checkbox"/> Yes <input type="checkbox"/> No			
					<input type="checkbox"/> Yes <input type="checkbox"/> No			
					<input type="checkbox"/> Yes <input type="checkbox"/> No			
					<input type="checkbox"/> Yes <input type="checkbox"/> No			
					<input type="checkbox"/> Yes <input type="checkbox"/> No			
					<input type="checkbox"/> Yes <input type="checkbox"/> No			
					<input type="checkbox"/> Yes <input type="checkbox"/> No			

¹ Examples: aboveground storage tank (AST), underground storage tank (UST), drum, bags, bottles, pails.