

Emergency Farm Plan Electronic Template

Note: See MSU Extension bulletin E-2575 Emergency Planning on the Farm (http://shop.msu.edu/product_p/bulletin-e2575.htm) for detailed information on emergency planning.

Introduction

This electronic template will assist you in writing an emergency farm plan. By saving a copy of the completed plan on your computer or storage device, you will be able to easily update the plan when changes occur on the farmstead or with the inventory of pesticides and other agricultural chemicals.

Agricultural safety experts recommend updating the emergency farm plan at least annually and sharing the content and location of the plan with family members, employees and local emergency providers (such as the fire department or the Local Emergency Planning Committee). Out-of-date plan copies must be destroyed to avoid confusion.

When submitted to the Local Emergency Planning Committee and the State SARA Title III Program, the completed emergency farm plan

will meet the reporting requirement for farms that store extremely hazardous substances (anhydrous ammonia and certain other pesticides listed in bulletin E-2575). The plan also meets the requirement for those farms that store liquid fertilizers in quantities that exceed 2,500 gallons in a single container or 7,500 in multiple containers.

Directions for completing the plan

Before completing the template, use the SAVE button at the end of this page to rename and save this file to your computer. Save the file to a location you can easily find for future updates. Complete the electronic template by typing in your farm information in the blank spaces. Then save the renamed file again.

Manually insert the farmstead and neighborhood maps into the printed copies of the emergency plan. (Note: You may

electronically insert maps of the farmstead and the neighborhood only if they are saved as PDFs.) Printed copies of the plan should be stored at the farm office, in tractor cabs, in the Michigan Emergency Tube (optional) and with your Local Emergency Planning Committee or local fire department.

If your farm stores extremely hazardous substances, you can email the completed electronic template (without the maps) to the Michigan SARA Title III Program at deq-sara@michigan.gov.

Contact your Michigan Agriculture Environmental Assurance Program (MAEAP) technician for additional information on completing an emergency farm plan. Technicians are located in county Conservation District offices.

Your Emergency Farm Plan

Section Ia. Farm Emergency Contact Information

Place copies of this completed form near each farm phone.

Smart911 services may be available in your county. For information, go to Smart911.com or contact your county 911 dispatcher.

Farm Name _____

Date _____

Owner Emergency Contacts

Primary Contact _____

Phone _____

Cell _____

Address _____

Alternative Contact _____

Phone _____

Cell _____

Address _____

Alternative Contact _____

Phone _____

Cell _____

Address _____

Farm Information

Name of Farm _____

Address of Farm _____

Directions to farm _____

Storage Site(s) address/location (if different)

Neighbors Contacts

Name _____

Phone _____

Cell _____

Address _____

Name _____

Phone _____

Cell _____

Address _____

Name _____

Phone _____

Cell _____

Address _____

Your Emergency Farm Plan

Section Ib. Agency Emergency Telephone Numbers

Place copies of this completed form near each farm phone.

Smart911 services may be available in your county. For information, go to Smart911.com or contact your county 911 dispatcher.

Farm Name _____

Date _____

Fire/Police/Medical Central Dispatch

Emergency phone 911

General phone _____

Hospital

Name _____

Phone _____

Fire Department

Name _____

Phone _____

Electrical Company

Emergency _____

General _____

Gas Company

Emergency _____

General _____

Agrichemical Dealer

Name _____

Phone _____

State and Federal Agency Telephone Numbers:

Agriculture Pollution Emergency Hotline,
Michigan Department of Agriculture and
Rural Development (MDARD) **800-405-0101**

Pollution Emergency Alerting System (PEAS),
Michigan Department of Environmental
Quality (MDEQ) **800-292-4706**

National Response Center (NRC) .. **800-424-8802**

Michigan Poison Control **800-222-1222**

Michigan Meth Hotline..... **866-638-4847**

Veterinarian

Name _____

Phone _____

Family Doctor

Name _____

Phone _____

County Road Commission

Name _____

Phone _____

County Drain Commissioner

Name _____

Phone _____

Equipment Dealer/Mechanic

Name _____

Phone _____

Emergency Management Coordinator/LEPC

Name _____

Phone _____

FBI Field Office (Detroit)

313-965-2323 _____

Environmental Cleanup Company

Name _____

Phone _____

Your Emergency Farm Plan

Section II. Map Information

Complete two maps for each site (farmstead and neighborhood maps).

Map the farmstead site (or other part of the farm where agrichemicals are stored) and label the following:

Buildings/structures location

Barns, houses, shops, outbuildings, silos, grain bins, manure storage/pits, livestock barns (*note if manure storage below*), refrigeration compressors, upright or bunker silos

Land features

- Roads and crossroads, driveways and lanes, fences and gates
- Wells and/or municipal water supply, hydrants, ponds, streams, rivers, lakes and wetlands

- Septic tanks, wastewater systems, cisterns
- Drainage ditches, culverts, surface drains
- Slope of land (drainage direction)
- North direction

Chemical/Fertilizer/Fuel storage

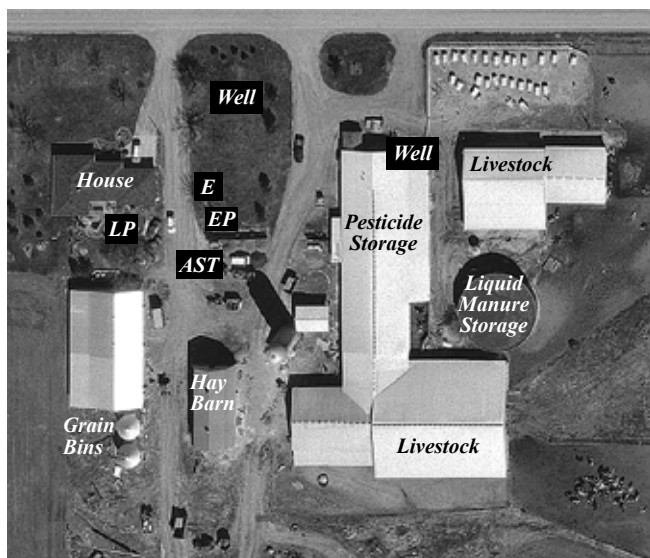
Identify where chemicals, fertilizers, and fuel are stored.

Use these symbols to show locations:

- AST – Aboveground storage tank
CG – Compressed gasses (oxy/acetylene)
E – Main electrical shutoff
EP – Emergency plan contained in Michigan emergency tube or key-box (see Glossary on page 27)
G – Main gas shutoff
LP – Liquid propane (note if buried)
RU – Refrigeration units/compressors and coolant type
UST – Underground storage tank
Well – Farm water well

Sample
Farmstead Map

North ↑



Sample
Neighborhood
Map

Your Emergency Farm Plan

Farm Name _____

Date _____

Section IIa. Farmstead Map – CONFIDENTIAL

Place a map of your farmstead below. Clearly label buildings and special concerns at the farmstead facility. Manually insert the farmstead map when printing copies of the plan; or, you may insert a digital map of the farmstead if you save the file as a PDF. Click on the space below.

Key

AST – Aboveground storage tank
CG – Compressed gasses (oxy/acetylene)
E – Main electrical shutoff

EP – Emergency plan contained in Michigan emergency
tube or key-box (see Glossary on page 27)
G – Main gas shutoff

LP – Liquid propane (note if buried)
RU – Refrigeration units/compressors and
coolant type

UST – Underground storage tank
Well – Farm water well

Your Emergency Farm Plan

Farm Name _____

Date _____

Section IIb. Neighborhood Map – CONFIDENTIAL

Manually insert the neighborhood map when printing copies of the plan; or, you may insert a digital map of the neighborhood if you save the file as a PDF.

Click on the space below.



Make your own key.

Your Emergency Farm Plan

Farm Name _____

Date _____

Section IIIa. Agrichemical Information

List agrichemicals used or stored. If agrichemicals are listed in Table 1 on pages 24-25, they may need to be reported to authorities. Use page 26 to report.

[illegible]

* Note: The North American/Department of Transportation (DOT) Guidebook Number and National Fire Protection Association (NFPA) 704M Rating can be found on Safety Data Sheets (SDSs) for the chemical of concern. SDSs can be obtained from dealers, manufacturers and various Internet sites. Product name, formulation, active ingredient and percent active ingredient are on the agrichemical label.

Your Emergency Farm Plan

Farm Name _____

Date _____

Section IIIb. Farm Flammables and Refrigerants

Fuel Type	Total Capacity and Container Type	Seasons on Hand SP=Spring, S=Summer, F=Fall, W=Winter, YR=Year Round	Storage Location Description (e.g., <i>In front of pole barn</i>)
Diesel Fuel Gasoline			
Fuel Oil			
New Oil (motor and hydraulic)			
Used Oil (oil burner storage)			
Propane (home heat, forklift)			
Oxygen/Acetylene (cart tanks vs handheld tanks)			
Kerosene			
Anhydrous Ammonia for Refrigeration (See page 21 if you have this product.)			
(Other)			

Your Emergency Farm Plan

Farm Name _____

Date _____

Section IV. Farm Response Resources

To be used and reviewed with farm employees

Resource	Farm Location
Water Sources	
Shovels	
Fire Extinguishers (Employees trained in use)	
Excavation Equipment	
Spill Kits	
Medical Kits	
Flashlights/Generator	
Absorbent Materials	
Personal Protective Equipment: (chemical-resistant) suits, goggles, gloves, boots	
Manure Pumping Equipment/Contractor Empty Tanks or Containers (to hold manure, liquids, absorbent material or contaminated material/soil)	
Safety Data Sheets (SDSs): All employers are required to have a Safety Data Sheet (SDS) for each hazardous chemical stored or used in the workplace and to make SDSs available to employees.	
Other (Please Specify)	

Your Emergency Farm Plan

Section V. Emergency Action Plans for Manure, Fertilizer and Pesticide Spills

Breach of manure or commercial fertilizer storage

General Action Steps: Stop any flow into storage area, build containment dams, add soil to berms and apply manure/fertilizer from discharge to fields at agronomic rates. Utilize prearranged additional storage with neighbor. Prepare a Spill or Release Report.

Your Plan/Resources:

Spill on roadway

General Action Steps: Human injuries, if present, take precedence. Stop any additional spills, build containment dams, remove material and land apply at agronomic rates. Contact the road commission and drain commission. Do not wash material into roadside ditches or surface water. Prepare a Spill or Release Report.

Your Plan/Resources:

Manure/Fertilizer/Pesticide spill in the field

General Action Steps: Stop applications, build containment dams and collect material. Apply collected material at agronomic rates. Prepare a Spill or Release Report.

Your Plan/Resources:

Runoff of manure/fertilizer from the field

General Action Steps: Stop applications, plow a diversion trench and remove manure/fertilizer, if necessary. Prepare a Spill or Release Report.

Your Plan/Resources:

Farm Name _____

Date _____

Manure storage volume enters the freeboard area

General Action Steps: Transfer manure to additional on-farm storage structure with adequate capacity if available. Utilize prearranged additional storage with neighbor. Land apply manure at agronomic rates to fields that are least likely to pose a discharge risk. Pump manure to an isolated area of a field with poor drainage to avoid berm overtopping and structure failure. Contact MDEQ, MDARD or both as appropriate. Prepare a Spill or Release Report.

Your Plan/Resources:

Your Emergency Farm Plan

Section V. Emergency Action Plans for Manure, Fertilizer and Pesticide Spills

Farm Name _____

Date _____

Tile discharge of manure from field

General Action Steps: Stop manure application, build containment dams in drainage ditch or plug tile outlet(s); incorporate applied manure. Field apply collected manure at agronomic rates. Prepare a Spill or Release Report.

Your Plan/Resources:

Silage leachate containment plan

General Action Steps: Utilize sawdust, hay, straw or other material to contain leachate. Collect leachate in designed containment; utilize grass filter strip to treat pad runoff. Prepare a Spill or Release Report.

Your Plan/Resources:

Chemigation/Fertigation/Irrigation applied manure emergency

General Action Steps: Stop pumps, close valves, separate pipes, build containment dams and plug tiles leading to surface water. Remove material from discharge area and land apply at agronomic rates. Prepare a Spill or Release Report.

Your Plan/Resources:

Other manure/fertilizer/pesticide emergencies

Your Plan/Resources:

Release of Anhydrous Ammonia Fertilizer or Refrigerant

General Action Steps: Move upwind from release immediately. Do not enter downwind area. Immediately contact downwind neighbors and local authorities. Prepare a Spill or Release Report.

Your Plan/Resources:

Your Emergency Farm Plan

Section VI. LEPC Planning Page

(This section is to be completed by your LEPC.)

If your farm stores extremely hazardous substances (EHS) or is a SARA (Superfund Amendments and Reauthorization Act) Title III site, submit a copy of your emergency plan to your Local Emergency Planning Committee (LEPC).

Farm Name _____

Date _____

2. Response precautions/suggested PPE:

3. Evacuation routes, including primary/
alternative routes out of vulnerable zone:

C. Fire department response procedures for this
site:

A. Describe method used to determine vulnerable
zone:

1. Primary hazard to response personnel:

D. Site security control procedures:

Other emergency planning recommendations
(optional):

A. Establish access control procedures and maps.

1. Access control points

2. Traffic rerouting within the vulnerable zone

B. Identify shelters in the event an evacuation is
needed:

C. Identify where chemical-specific toxicological
information can be found:
