



National  
Agronomic, Environmental, Health  
and Safety School

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Agricultural & Rural Affairs Advisor



Illinois

Environmental Protection Agency

# Guidance Initiated for Retail Agricultural Facilities

- Illinois Environmental Protection Agency
- Illinois Fire Service Institute
- Illinois Fertilizer & Chemical Association
- Asmark Institute



# Need for Guidance...

- Several fires at Ag facilities
- The decision to extinguish or not ...
- Limited resources
- The need for proactive approach
- Ongoing need for pre-planning fires
- Ongoing need to prevent fires
- Increased awareness

# Fire Prevention Plan Features:

- Emphasizes pre-planning
- Emphasizes coordination with responders
- Provides the user with:
  - Written document
  - Meeting agenda for coordination with responders
  - Highly personalized to each facility
  - Walks users through the thought-process
  - Information by structure

- Provides the user with:
  - Designates materials of concern when subject to a fire event
  - Basic fire prevention information
  - Checklist for Emergency Responders
    - A concise summary sheet containing information important to Emergency Responders.
  - Free as an industry/membership service
  - Registration required through IFCA



### Fire Prevention Plan Version 1.0

Fires kill more Americans each year than all natural disasters combined. No one plans to have a fire, but pre-planning for a fire has been proven to save lives, preserve property and reduce the impact on the environment. Pre-planning the emergency response to a fire has a direct effect on the final cost of the cleanup and disposal.



**Illinois Fertilizer &  
Chemical Association**  
Supply • Service • Stewardship

IEPA Letter of Support  
IFSI Letter of Support

There has been much debate as to the proper course of action to take in the event an agrichemical facility catches fire. The debate surrounds the decision as whether or not to let a facility extinguish on its own. Both options present potential consequences of polluting the environment.

Professionals with years of experience in making these decisions agree the circumstances for each facility fire are different and therefore the decisions should be made on-site at the scene. Decisions of this nature should be made by emergency responders in cooperation with facility personnel and be based on accurate and current facility information.

This special web feature has been designed to bridge the gap between the efforts by agrichemical facilities and those of emergency responders by encouraging the pre-planning of fire prevention activities. Additional benefits of pre-planning using this tool are the coordination of joint efforts with emergency responders and the pre-determination of certain information which may be important to the decision-making process if a fire occurs. Specifically, this web-based tool will assist in the development of a Fire Prevention Plan that:

- Has been developed in accordance with OSHA Standard 1910.39, Fire Prevention Plans.
- Is personalized to a specific facility.
- Generates a Checklist for Emergency Responders.

**Case Studies**

Please follow these steps to personalize and produce the Fire Prevention Plan for your facility.

**Step 1.**

Enter your on-site fire emergency information.

**Step 2.**

Enter your off-site fire emergency information.

**Step 3.**

Describe your facility.

**Step 4.**

Review your information for accuracy.

**Step 5.**

Print your Fire Prevention Plan and Checklist.

**Step 6.**

Provide a copy of your Fire Prevention Plan and Checklist to the local Fire Department(s).

Don't forget to place a copy in your company vehicle and/or in your home for use in case of an emergency.



**Quick Link!**  
**Master List of Resources**

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## Step 1. Enter Your On-Site Fire Emergency Information

Business Name of Operator:	<input type="text" value="Sample Farm Service"/>	(ex. <i>Sample Farm Service</i> )
Physical Address:	<input type="text" value="234 State Street"/>	(ex. <i>123 Main Street</i> )
City:	<input type="text" value="Bloomington"/>	
State:	<input type="text" value="IL"/>	
Zip Code:	<input type="text" value="84526"/>	



## Master List of Resources

- **Crossreference Information**
  - Meister PRO
  - National Pesticide Information Retrieval System
- **Illinois Emergency Management Agency (IEMA)**
- **Illinois Environmental Protection Agency (IEPA)**
- **Illinois Fertilizer & Chemical Association (IFCA)**
- **Illinois Fire Service Institute (IFSA)**
- **Material Safety Data Sheets (MSDS)**
  - Crop Data Management Systems (CDMS)
  - Greenbook
  - 3E MSDS Solutions
- **National Response Center (NRC)**
- **National Fire Protection Association (NFPA)**

[Back to FPP](#)

## Step 2. Enter Your Off-Site Fire Emergency Information

Primary Fire Department:	<input type="text"/>	(ex. Sample Fire Department)
Mailing Address:	<input type="text"/>	
City:	<input type="text"/>	
State:	<input type="text"/>	
Zip Code:	<input type="text"/>	
Primary Phone Number:	<input type="text"/>	(ex. 270-555-5555)
Alternate Phone Number:	<input type="text"/>	(ex. 270-555-5555) <i>Optional</i>
Alternate Fire Department:	<input type="text"/>	(ex. Sample Fire Department) <i>Optional</i>
Mailing Address:	<input type="text"/>	
City:	<input type="text"/>	
State:	<input type="text"/>	
Zip Code:	<input type="text"/>	
Primary Phone Number:	<input type="text"/>	(ex. 270-555-5555)
Alternate Phone Number:	<input type="text"/>	(ex. 270-555-5555) <i>Optional</i>

### Step 3. Describe Your Facility

Description of the facility: *(Please select all that apply)*

- Retail Facility
- Satellite of a Retail Facility
- Distribution Warehouse
- Terminal Operation (Dry or Liquid Fertilizer)
- Petroleum Distributor
- Propane Distributor
- Feed Mill or Grain Operation
- Equipment Dealership
- Other: (please specify)

Scope of Operations - Products Sold/Distributed : *(Please select all that apply)*

- Package Pesticide Products
- Bulk Pesticide Products
- Petroleum Products (Gasoline, Diesel, Kerosene, etc.)
- Propane
- Liquid Fertilizer
- Bulk Dry Fertilizer
- Anhydrous Ammonia
- Seed
- Equipment
- Feed/Grain

## Fire Hazards/Potential Ignition Sources and Control Measures

Fire Hazards/Potential Ignition Sources and Counter Measures: *(Please select all that apply)*

General Precautionary Measures

Fire/Smoke alarms (Monitored)

Fire/Smoke alarms (Not Monitored)

Smoking prohibited

Periodic inspections

Other

None

Arson

Security system in place (Monitored)

Security system in place (Not Monitored)

Security camera in place

24 hour surveillance in place

Random surveillance in place

Other

None

Cooking

Limited to kitchen areas

Periodic inspection of cooking appliances

Other

None

Electrical (Wiring, etc.)

- All electrical components are UL approved
- All wiring performed by a qualified electrician
- Periodic Electrical Audits performed
- Periodic inspection & maintenance program in place
- All wiring installed to Code
- Permanent use of extension cords not allowed
- Multi-plug adapters not allowed
- Ungrounded plugs are not allowed
- Other
- None

Accumulation of combustible materials

- Periodic inspection program in place
- Clear egress and clearance to fire hazard areas
- Housekeeping program in place
- Other
- None

Storage of combustible or flammable materials

- Approved flammable cabinets used for storage
- Approved flammable rooms used for storage
- Bonding and grounding equipment in place
- Materials segregated when stored
- Materials limited to small quantities in storage
- Other
- None

## Fire Prevention Plan Considerations Specific to This Facility

When was the most recent electrical audit performed at this facility? *(Please choose only one)*

- a. Within the past year
- b. 1-5 years ago
- c. 5-10 years ago
- d. No electrical audit performed.

What is the response time of the local Fire Department to this facility ?

*(Please contact the local Fire Department to verify the response time. Please choose only one.)*

- a. Less than 5 minutes.
- b. 5-10 minutes.
- c. 10-20 minutes.
- d. More than 20 minutes

What is the response time of the nearest Hazardous Material Team to this facility ?

*(Please contact the local authorities to verify the response time. Please choose only one.)*

- a. Less than 5 minutes.
- b. 5-10 minutes.
- c. 10-20 minutes.
- d. More than 20 minutes

Does the management at this facility utilize facility personnel to inspect fire extinguishers based upon a set schedule and ensure they are refilled in a timely manner? *(Please choose only one)*

- a. Yes
- b. No

Please enter the most recent date that employees received Fire Extinguisher training at this facility.

Example: 07-12-2008

Please enter the date the Emergency Plan for this facility was last updated.

Example: 07-12-2008

Does the Emergency Plan for this facility contain written procedures for reporting spills and releases to the local, state and federal agencies? *(Please choose only one)*

- a. Yes
- b. No

Are manholes or storm sewers present at this facility or in the immediate area? *(Please choose only one)*

- a. None
- b. Onsite
- c. Less than 1/4 mile away.
- d. More than 1/4 mile away.

Are there any floor drains, drainage tile or other "pathways" where liquids could be diverted to an otherwise unaffected area present at this facility? *(Examples include: Floor drain to a road ditch or commode to a septic tank)*

- a. Yes
- b. No

## Notable Bulk Flammable or Toxic Materials Stored

Does this facility have storage tanks for **gasoline**?  
*(If Yes, provide the following information)*

Yes  No

Quantity of Tank(s)	Capacity <i>in Gallons</i>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

Does this facility have storage tanks for **propane or LP-Gas**?  
*(If Yes, provide the following information)*

Yes  No

Quantity of Tank(s)	Capacity <i>in Gallons</i>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

Does this facility have storage tanks for **anhydrous ammonia**?  
*(If Yes, provide the following information)*

Yes  No

Quantity of Tank(s)	Capacity <i>in Gallons</i>
<input type="text"/>	<input type="text"/>



## Fire Prevention Plan Version 1.0

### Information by Structure

Does this facility utilize secondary containment structures (dikes) to store more than one material such as fuel, fertilizers or pesticides?

- a. Yes
- b. No

**Please answer the following questions for each structure located on this property.** Your answers to the following questions will help emergency responders formulate their plan of action in the event there is a fire at this facility. Please be advised the information that you provide here is critical to the emergency response process and must be as accurate and complete as possible.

**Repeat the following process for each structure located on the property.**

Structure Number 1:

Name of Structure:

*(ex. Office, Warehouse #1, Shop)*

Size in Square Feet:

*(Length multiplied by width = sq ft.)*

Any Drains in this Structure?  Yes  No

Containment Structure?  Yes  No

*(If Yes, provide capacity in gallons)*

Capacity in Gallons:

### Select the Materials Inventoried in this Structure.

Please select the materials inventoried (present on-site at any time during the year) in this specific structure by highlighting the product in the right-hand column and clicking the left arrow to add it to your product list on the left-hand side. Choose from approximately 4,000 materials commonly used or handled at agricultural businesses. Click on Add-Another-Structure and repeat the process until completed.

Check here  if there are no products inventoried in this structure.

#### Materials Selected

2,4-D LV4 - Albaugh  
Bullet - Monsanto  
Dyfonate 4EC - Zeneca  
Furadan 4F - FMC  
Fusilade II - Syngenta  
Lumax - Syngenta  
Staple - Dupont  
Ultra Blazer - United Phosphorus  
Zoro - Cheminova



#### Material Choices

Fuel Oil #2 - Marathon Ashland  
Fulfill - Syngenta  
FullTime - Dow AgroSciences  
Furadan 10G - FMC  
Furadan 15G - FMC  
Furadan 3G - FMC  
Furadan 4F - FMC  
Furadan LFR - FMC  
Fury 1.5EC - FMC  
Fusilade DX - Syngenta

# A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Add a Structure

Continue



## Fire Prevention Plan



### Step 4. Review your information for accuracy.

Business Name of Operator: Sample Farm Service

Physical Address: 234 State Street

City: Bloomington

State: IL

Zip Code: 84526

Mailing Address: 234 State Street

City: Bloomington

State: IL

Zip Code: 84526

Name of Owner: Sample Farm Service

Mailing Address: PO Box 100

City: Bloomington

State: IL

Zip Code: 84526

Owner's Phone Number: 618-458-7898

Emergency Coordinator: John Henry

Title: Manager

Office Phone Number: 845-258-1592

Home Phone Number: 845-125-5489

Mobile Phone Number: 845-125-9636

Email Address: john@sfs.com



## Step 5. Print your Fire Prevention Plan and Checklist.

### Ready to Print?

- Reviewed your information for accuracy?
- Printer turned on?
- Printer loaded with paper?
- Pop-up blocker turned off or set to allow from this site?

Click on **Continue** to view your document, then click on the **Print** button on your browser when you are ready to print a copy to your printer.

Continue

# **Fire Prevention Plan**

for

**Sample Farm Service  
234 State Street  
Bloomington, IL 84526**

**August 11, 2008**

Produced in Cooperation with:

**Illinois Fertilizer & Chemical Association  
Illinois Environmental Protection Agency  
Illinois Fire Service Institute  
Asmark Institute**

Sample provided in your notebook.

To register for your facilities contact:

IFCA

Kevin Runkle

309-827-2774

kevinr@ifca.com



## Illinois Fertilizer & Chemical Association

Supply. Service. Stewardship.



*To assist and represent the crop production supply and service industry while promoting the sound stewardship and utilization of agricultural inputs.*

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### Announcements

#### Fire Prevention Plan



Click here to access the Fire Prevention Plan

Tags [Pesticides](#) [Industry Resources](#) [Fire Prevention Plan](#)

#### IFCA Legislative Alert : HR 6709 - Off Shore Drilling

Click here to view the IFCA Legislative Alert about off-shore drilling and to download a sample letter to customize and send to your Congressman encouraging them to support and co-sponsor HR 6709 to open up new areas to off-shore drilling.

[Letter to Congress on HR 6709 Off Shore Drilling.doc](#) 26K

[IFCA Legislative Alert Off Shore Drilling](#) 124K

Tags [Legislation](#)

#### Unified Carrier Registration FAQ for Farmers

278K)

Farmers who transport grain to and from a grain elevator are now defined by USDOT as Interstate Motor Carriers, even if

#### Items of Interest

**IFCA Remembers Mike Thomas, MAGIE Registration**  
8/8/2008

#### Calendar

**08/19/2008**

[Agronomic Health & Safety School](#)

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#### Ask IFCA

#### Key Terms

[Fertilizer](#)

[DOT](#)

[Pesticides](#)

[Ammonia](#)

*Questions?*



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