

**EPCRA Off-Site Facility Plan
For
SWISS VALLEY FARMS CO.**

EHS is BELOW TPQ (1,000 lbs)

I. FACILITY NAME:

Name: Swiss Valley Farms Co.
Location Address: W3959 County Road D, Mindoro, WI 54644
Phone Number: 608-784-2540
Facility ID # Assigned by WEM: 019672-9

II. FACILITY EMERGENCY COORDINATOR: ALTERNATE COORDINATOR:

Name: Monte McIntyre	Name: Robert Martin
Position: Plant Manager	Position: Production Manager
Telephone Number: 608-857-3422	Telephone Number: 608-857-3422
24 Hour Phone: 608-354-6630	24 Hour Phone: 608-235-2054

III. CHEMICALS ON SITE: EXTREMELY HAZARDOUS SUBSTANCES

<u>CAS #</u>	<u>Chemical Name/ Trade Name</u>	<u>Max. Quantity</u>	<u>Vul. Zone</u>	<u>Rural/ Urban</u>
7697372	Nitric Acid	156.8 lbs	.1 mile	Rural

Mandate Plus: Average Daily – 55 lbs. Maximum Daily – 110 lbs. of nitric acid
Envirocid Plus: Average Daily – 110 lbs. Maximum Daily – 220 lbs. of nitric acid

OTHER HAZARDOUS CHEMICALS:

<u>Name</u>	<u>Max. Quantity</u>
Propane	56,000 lbs

Average daily amount is 28,000 lbs.

IV. PRIMARY EMERGENCY RESPONDERS:

West Central Regional Type I Hazardous Materials Response Team
La Crosse County Type II Hazardous Materials Response Team
Farmington Fire Department
Farmington Emergency Medical Responders
La Crosse County Sheriff Department
La Crosse County Emergency Management
Tri-State Ambulance
Wisconsin Department of Natural Resources

V. SUPPORT AVAILABLE FROM FACILITY:

Employees are provided with hazard awareness training. Hazardous materials response

training is not provided. Supervision/management of the shift directs appropriate staff in case of a spill.

CHEMICAL EMERGENCY MONITORING EQUIPMENT:

PERSONAL PROTECTIVE EQUIPMENT:

boots and gloves
eye protection

OTHER EQUIPMENT/SUPPLIES:

Absorbents: Facility provides pads or socks in small quantity spill control kits

OUTSIDE RESOURCES AVAILABLE:

The La Crosse Fire Department serves as the County's Type II Hazardous Materials Response Team. For Type I incidents, contact the West Central Regional Hazardous Materials Response Team through the Wisconsin Emergency Management Duty Officer (800-943-0003).

STATE REPORTING REQUIREMENTS:

Wisconsin Statute §292.11 WISCONSIN SPILL LAW

The spill law, Chapter 292.11, Wis. Stats., requires that a person who possesses or controls a hazardous substance or who causes the discharge of a hazardous substance shall notify the department **immediately** of any discharge not exempted by the statute. The Department has a 24-hour toll free number for reporting spills: **1-800-943-0003**.

Chapter NR 706 Wisconsin Administrative Code

Ch. NR 706, Wis. Adm. Code establishes exemptions for small quantity spills of agricultural and petroleum related compounds, as well as substances that have a federal reportable quantity established. These quantities are termed "de minimis" in that below these levels, under the following conditions, state notification of a discharge is not required. While reporting requirements may be exempted, **cleanup requirements remain**. If a discharge meets one of the following de-minimis exemptions **it must be reported to the Wisconsin DNR**:

1. Has not evaporated or been cleaned up in accordance with NR 700 – 726,
2. Adversely impacts or THREATENS to adversely impact the environment,
3. Causes or THREATENS to cause chronic and/or acute human health impacts, or
4. Presents or THREATENS to present a fire or explosion hazard or other safety hazard (including all evacuations)

VI. GENERAL INFORMATION AND ASSUMPTIONS: (Disclaimer)

The vulnerability zones set forth in this Plan are based on the EPA Technical Guidance for Hazards Analysis. The zones are based on a credible worst case scenario and identify the

potential area for impact should an air-borne release of a single EHS chemical occur.

The vulnerability zones are NOT intended to be used as a guide for population protection in fire-related incidents. Fire incidents were considered in the development of this plan and the plan provides basic information about the facility for first responders to employ. However, in an actual fire situation at this facility, the Incident Commander is strongly recommended to reference the fire department's own individual agency pre-emergency plans and standard operating procedures as well as the County's Emergency Operations Plan - Annex K: Fire and Rescue, as they may relate to this facility when making decisions at an incident involving fire.

Further, fire departments that would respond to an incident at this facility are strongly encouraged to meet with facility representatives to determine ways to minimize an event at the facility and to determine what additional information and factors should be taken into consideration in the event of a fire, should one occur.

The field incident commander shall determine the actual response to an incident and the affected area may vary from the planning vulnerability zone identified in this Plan. Depending on wind speed and direction, the amount of material released and other pertinent factors, the ACTUAL vulnerability zone may be smaller, and in some instances larger, than the credible worst case vulnerability zone identified herein.

The vulnerability zones determined in this Plan are for general "PLANNING PURPOSES."

VII. HAZARD ANALYSIS SUMMARY:

A. Brief description of facility.

The Swiss Valley Farms Cooperative facility located in Mindoro, La Crosse County, Wisconsin is used for cheese manufacturing and is a part a cooperative-owned business founded in 1958 and controlled by 900 dairy operations in Iowa, Minnesota and Wisconsin. Food line cleaning chemicals are used at this facility, including Mandate Plus, AC-55-5, and AC-3-E, which contain nitric acid, an Extremely Hazardous Substance. Facilities with greater than 1,000 lbs of nitric acid must have an off-site emergency plan (this document) to deal with a potential release of the substance beyond the facility.

B. The greatest risk of a release of nitric acid would occur during the receiving and movement of the 55-gallons drums containing Mandate Plus. A 55-gallon drum of Mandate Plus weighs 560 lbs X 14% concentration = 78.4 lbs of nitric acid. There are usually one or two 55-gallon drums on site at any time with a combined weight of 156.8 lbs of nitric acid, far below the TPQ of 1,000 lbs.

C. Vulnerability Zone

The hazard analysis is as follows:

EHS Chemical: Nitric Acid
Form: Liquid
Container Size: 560 lbs (one 55-gallon drum)
Concentration: 14% by weight
Parameters used in the hazard analysis:
Level of Concern: 1/10 IDLH
Duration of Release: 10 minutes

WORST CASE SCENARIO:

Rural
Wind Speed: 3.4 mph
Atmospheric Stability Class: F
Vulnerability Zone: .1 miles

RE-EVALUATION SCENARIO:

Rural or Urban: Urban
Wind Speed: 11.9 mph
Atmospheric Stability Class: D
Vulnerability Zone: miles

D. Possible limitations or problems that could arise.

This facility also has a significant amount of propane gas in a large external tank. Responders should be aware of the fire risk when dealing with any nitric acid spills.

E. Estimate of population affected.

Although the MARPLOT calculation indicated zero, there are approximately ten households within a .1 mile radius of this facility.

F. Conclusions.

The amount of nitric acid (14% concentration by weight) in Mandate Plus and the relatively low amount of product on site results in a small vulnerability zone calculation.

VIII. SPECIAL FACILITIES AFFECTED:

None. The Fire Department, Town Hall, EMS Building, Post Office and Elementary School all lie outside of the .1 mile vulnerability zone. However, measures should be taken to alert these facilities should a significant hazardous materials incident occur at the Swiss Valley Farms facility.

IX. POPULATION PROTECTION:

The determination to shelter in place or to evacuate will be made by the on-scene commander as appropriate. The lead time for a hazardous materials incident may be very short. As a result, there may not be time enough for safe evacuation, especially when extremely toxic chemical fumes are involved. An evacuation under these considerations may expose the population to dangerous toxic chemicals and the decision may be made to shelter in place. Preferred areas for protective sheltering would be interior hallways, rooms without windows or exterior doors, enclosed stairways and rooms on the side of the building away from where the

hazard is approaching. Doors, windows, and other potential air leaks should be sealed up to prevent toxic fumes from entering.

Experience indicates that shelter space would need to be provided for only 30% of the population within the initial isolation and evacuation zones and the remaining 70% would seek shelter with family and friends outside of the risk zone.

Roles and responsibilities relative to evacuation and sheltering as well as a list of shelters appear in the La Crosse County Emergency Operations Plan, Annex E.

X. SPECIAL CONSIDERATIONS:

A. Limited access to facility.

The Swiss Valley Farms – Mindoro facility may be accessed by State Road 108 or via County Road D. Both roads are rural in design and nature and responders from outside the community would need to travel over meandering roads with several significant hills.

B. Address environmental concerns at facility and in Vulnerability Zone:

Fleming Creek lies along the western property line for this facility. A spill of Mandate Plus into this waterway could cause environmental damage, although ecotoxicity is not reported for this substance on the Material Safety Data Sheet.

C. Actual response capabilities at facility:

Facility personnel are not trained or equipped to manage a large hazardous materials spill.

D. Potential for affecting other jurisdictions

The .1 mile vulnerability zone does not extend beyond the community's limits or into any other municipality.

XI. REQUIRED ATTACHMENTS:

A. Facility Layout Highlighting EHS Chemical Storage Location

New GIS mapping of EPCRA planning facilities provides enhanced mapping. Pictometry, Google Earth, and other aerial mapping images may also be attached.

B. Vulnerability Zone map highlighting Special Facilities

C. Chemical Data Sheet on EHS Chemicals (Response Information Data Sheets or MSDS)

D. Hazardous Materials Worksheet/Calculations or Computer-Generated Vulnerability Zone Calculations

NOTE: There are no local ordinances in La Crosse County which mandate specific routes for vehicles carrying Extremely Hazardous Substances (EHSs). Thus, EHSs may be

transported over any local, state, or federal highway for which weight limits are met.

XII. DISTRIBUTION LIST:

Swiss Valley Farms Cooperative

Farmington Fire Department

La Crosse County Local Emergency Planning Committee

Wisconsin Emergency Management