

**EPCRA OFF-SITE PLAN FOR
ALLIED COOPERATIVE
000390-9**

Formerly known as:
West Salem Farmer's Cooperative – Supply & Shipping
165 Mill Street South
West Salem, WI 54669

NOTE:

In November 2012 Wisconsin River Co-op of Adams and Farmers' Co-op Supply & Shipping Association of West Salem announced merger plans. After several months of planning and preparation, the merger of the two co-ops was complete on April 1, 2013. The new cooperative has been named "Allied Cooperative".

Allied Cooperative operates under several Divisions; CO-OP, Agronomy, Energy (fuels), Feed, Grain, Retail and Transport.

NOTE: This Facility contains chemicals stored in **Confidential Locations**. Certain sections will require **REDACTION** prior to public release and are marked.

I. FACILITY NAME:

Allied Cooperative <http://www.allied.coop/index.cfm>
P.O. Box 729
540 South Main Street
Adams, WI 53910

West Salem Facility is located at:
165 Mill Street South
West Salem, WI 54669
608-786-1103
Facility ID # Assigned by WEM: **000390-9**

Retail Fuel facility:
341 Jefferson Street East
West Salem, WI 54669
608-786-1108

Fuel tank farm:
230 Jefferson Street West
West Salem, WI 54669

II. FACILITY COORDINATOR:

Scott Firlus sfirlus@allied.coop
Chief Operations Officer
Telephone Number:
608-339-3394 ext 247 (w)
608-547-3004 (c)

ALTERNATE COORDINATOR:

Dawn Miller dmiller@allied.coop
Safety & Compliance Manager
Telephone Number:
608-339-3394 ext 320 (w)
608-853-0570 (c)

III. CHEMICALS ON SITE: EXTREMELY HAZARDOUS SUBSTANCES

<u>CAS #</u>	<u>Chemical Name/ Trade Name</u>	<u>Max. Amt.</u>	<u>Vul. Zone</u>	<u>Rural/ Urban</u>
7664-41-7	Anhydrous Ammonia	154,500-lbs.	>10 miles	Urban

OTHER HAZARDOUS CHEMICALS:

1912-24-9	Atrazine	6,000-lbs.		
002921-88-2	Chlorpyrifos /Lorsban 15G	6,000-lbs.		
068476-34-6	Diesel Fuel	60,000 gallons (420,000 lbs)		
008006-61-9	Gasoline	40,000 gallons (250,000 lbs)		
068478-30-2	Fuel Oil	25,000 gallons (173,000 lbs)		
000074-98-6	Propane	40,000 gallons (168,800 lbs)		
000064-17-5	Ethanol	10,000 gallons (65,000 lbs)		

Conversion table

Diesel fuel	lbs ÷ 7.01 = gallons
Gasoline	lbs ÷ 6.11 = gallons
Fuel Oil #2	lbs ÷ 7.33 = gallons
Propane	lbs ÷ 4.92 = gallons
Ethanol	lbs ÷ 6.59 = gallons

IV. PRIMARY EMERGENCY RESPONDERS:

West Central Regional Type I Hazardous Materials Response Team
 La Crosse County Type II Hazardous Materials Response Team
 West Salem Police Department
 West Salem Fire Department
 West Salem EMS First Responders
 La Crosse County Sheriff's Department
 La Crosse County Emergency Management
 Wisconsin State Patrol
 Department of Natural Resources
 Tri-State Ambulance

V. SUPPORT AVAILABLE FROM FACILITY:

See facility emergency response plan.

CHEMICAL MONITORING EQUIPMENT:

None

PERSONAL PROTECTIVE EQUIPMENT:

Rubber or Neoprene Disposable Boots
 Rubber gloves
 Chemical Suits
 Safety Goggles
 Soap

30 and 50 Gallon Barrels
 Sand and Sawdust
 Lime
 Portable Pumps
 Recovery Tanks

OUTSIDE RESOURCES AVAILABLE:

The La Crosse Fire Department serves as the La Crosse County 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 (1-800-943-0003).

CHEMTREC	800-424-9300
Infotrec	800-535-5053

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.

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)

VII. HAZARD ANALYSIS SUMMARY:

The Allied Cooperative – West Salem facility employs approximately 35 employees at its complex. The facility is located on approximately 10 acres in the southeast corner of West Salem.

The Allied Cooperative stores and offers for sale chemicals and fuels for agricultural purposes. Names and addresses for emergency contacts are kept on a signboard at the west end of the anhydrous ammonia tank. An accidental release may occur during transfer of product from the large storage tank to a nurse tank (trailer-mounted tank used for agricultural application of the product). Filled water tanks are located at either end of the anhydrous ammonia tank; these tanks can be used by individuals to rinse the substance from faces and hands.

The retail fuel station is located at 341 Jefferson Street East, directly south of the COOP and across the Canadian Pacific Railway.

Efforts are underway in the general agricultural community to reduce the concentration and amount of substances (pesticides, herbicides, and fertilizers) that are being applied to farm fields. As a result, the quantity of stored chemicals at the Allied Cooperative is being drastically reduced. Facility spokespersons indicate that many of the common farm chemicals will no longer be sold in their current form and may not even be kept in inventory. What at one time was applied in large bulk quantity (thousands of pounds) is now applied in quantities as small as a few ounces. This dynamic nature of the chemical inventory may require more frequent revisions to this off-site plan.

The vulnerability zone for the single EHS was based on the following parameters:

EHS Chemical:	Anhydrous Ammonia
Form:	Gas
Container Size:	154,500 lbs.
Concentration:	100 %
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
Atmos. Stability Class:	F
Vulnerability Zone:	>10 miles

RE-EVALUATION SCENARIO:

Rural or Urban:	Urban
Wind Speed:	11.9 mph
Atmos. Stability Class:	D
Vulnerability Zone:	3.1 miles

A release of anhydrous ammonia could result in a 10-mile down-wind vulnerability zone which could include a large portion of the general population of La Crosse County, and potentially a small portion of the western edge of Monroe County. Approximately 79,318 people live within the 10-mile radius zone. Approximately 6,413 people reside within a 3.7 mile radius.

The large anhydrous ammonia tank has a rated capacity of 200,000 lbs., but is never filled greater than 80% due to product expansion. The 154,500 lbs figure is determined from the average fill of the large tank plus approximately 35 trailer-mounted nurse tanks that could hold 1,000 lbs. each.

VIII. SPECIAL FACILITIES AFFECTED:

Because of the ten mile vulnerability zone for anhydrous ammonia includes much of the entire county; the list of affected facilities is extensive and is provided as an attachment to this document.

IX. POPULATION PROTECTION:

The on-scene commander will make the determination to shelter in place or to evacuate as appropriate. The lead-time for a hazardous materials incident may be very short. Consequently, 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:

West Salem's present population is approximately 4850. Due to its proximity to the facility, an evacuation of the entire community may be necessary. The Village Park is adjacent to the facility, the Village Hall/Police Department is located one block to the west, and the Fire Department is located just a few blocks away. Interstate Highway 90 runs east/west approximately 2 blocks south of this facility. There is no specific evacuation plan for the Village of West Salem at this time. An east-west Canadian Pacific railroad line runs adjacent to the facility

property and includes a small rail siding to service bulk shipments to the facility. Access to, or egress from, the facility may be impacted by any delay or disruption from rail traffic.

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.

Distribution List:

West Salem Fire Department
La Crosse County Local Emergency Planning Committee
Wisconsin Emergency Management