

**EPCRA OFF-SITE PLAN**

Northern Battery  
 1546 Miller Street  
 La Crosse WI 54601

**I. FACILITY NAME:**

Northern Battery  
 1546 Miller Street  
 La Crosse WI 54601  
 608-785-0044  
 Facility ID # Assigned by WEM: **006935-5**

**II. FACILITY COORDINATOR:**

Dave Stoeckly  
  
 Warehouse Manager  
 Telephone Number:  
     608-785-0044 (w)  
     608-797-0178 (h)  
     608-792-8904 (c)

**ALTERNATE COORDINATOR:**

Kirk Donskey  
 kdonskey@northernbattery.com  
 Vice President  
 Telephone Number:  
     608-785-0044 (w)  
     608-788-2094 (h)

**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>
7664-93-9	Sulfuric Acid 35%	2,000-lbs.	< 0.1 mi.	Urban

**OTHER HAZARDOUS CHEMICALS:**

None

**IV. PRIMARY EMERGENCY RESPONDERS:**

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

**V. SUPPORT AVAILABLE FROM FACILITY:**

The facility keeps a quantity of soda on site for neutralizing spills and has flushing capabilities.

**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).

CHEMTREC  
Scholle Corporation

1-800-424-9300  
708-582-7290

**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:**

Northern Battery is a retailer of boat and motor vehicle batteries and batteries for computer systems. There could be upwards of eight employees on site during an event. The retail side of the business is known as Battery Mart.

The facility is located in the south La Crosse Industrial Park on Miller Street in an area of La Crosse known as *Muddy Flats*. The facility can be reached from the east by traveling west from the junction of US. Highways 14/ 61, and State Road 33 on Norplex Drive, south to the junction with Miller Street. Access to the building would be through the doors of the north loading dock.

Sulfuric acid is contained in approximately 2,000 batteries and 36-50 bags of electrolyte stored in the center of the building. Skids of electrolyte battery acid fluid would be located among batteries on the storage racks. The MSDS indicates that the sulfuric acid is approximately 35% of the electrolyte.

Potentially dangerous materials are used and stored at this facility. These materials, when used under normal conditions, pose no threat. However, the hazard to persons and property can increase dramatically if the materials are somehow released from their controlled environment.

It is determined that the greatest potential for accidental release would occur during loading or unloading of batteries at the loading dock area. Each battery contains 9-lbs of electrolyte or 3.15-lbs of sulfuric acid.

The hazard analysis for this facility was based on an accidental release of sulfuric acid contained in 60 batteries on one pallet.

<b>EHS Chemical:</b>	<b>Sulfuric Acid</b>
Form:	Liquid
Container Size:	9-lbs. electrolyte/battery, 60 batteries/pallet for 540-lbs. electrolyte/pallet
Concentration:	35%
Parameters used in the hazard analysis:	
Level of Concern:	1/10 IDLH
Duration of Release:	1 minute
<b>WORST CASE SCENARIO:</b>	
Rural	
Wind Speed:	3.4 mph
Atmos. Stability Class:	F
Vulnerability Zone:	<0.1 miles

**RE-EVALUATION SCENARIO:**

Rural or Urban:	Urban
Wind Speed:	11.9 mph
Atmos. Stability Class:	D
Vulnerability Zone:	<0.1 miles

Only employees in the immediate vicinity of a spill would be affected by an accidental release.

**VIII. SPECIAL FACILITIES AFFECTED:**

None. However a few facilities lie within .5 mile of Northern Battery and may need to be notified in case of an airborne release as a precaution. These special facilities include: Gundersen Health System, Unity House for Men on Adams Street and Unity House for Women located on Miller Street. A City of La Crosse recreational facility (baseball field) is located approximately .2 mile southwest of Northern Battery.

**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:**

Because of Northern Battery's close proximity to the Mississippi River, commercial and recreational boating traffic, marine and wildlife could be affected. The Wisconsin Department of Natural Resources, U.S. Coast Guard and the U.S. Fish and Wildlife Services should be notified to assist in environmental and navigational problems.

**Coast Guard Group UMR**

**319-524-7511**

The local 24-hour National Weather Service, County Public Safety Communications (9-1-1 Dispatch Center), and local radio and TV stations could issue warnings to the population.

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.