

**EPCRA Off-Site Facility Plan
For
ALTER METAL RECYCLING – LA CROSSE**

I. FACILITY NAME:

Name: Alter Metal Recycling – La Crosse
Location Address: 2410 Hauser Street, La Crosse, WI 54603
Phone Number: 608-783-8203
Facility ID # Assigned by WEM: **019840-1**

II. FACILITY EMERGENCY COORDINATOR: ALTERNATE COORDINATOR:

Name: Andy Polhamus
Position: Facility Manager
Telephone Number: 608-783-8203
24-Hour Phone: 608-304-0115

Name: Darren Engbring
Position: Environmental Manager
Telephone Number: 414-290-6553
24 Hour Phone: 414-397-0222

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> |
|--------------|--------------------------------------|--------------------------|----------------------|-------------------------|
| 7664-93-9 | Sulfuric Acid | 9,000 lbs | .1 mile | Urban |

OTHER HAZARDOUS CHEMICALS: (below Section 312 Threshold Quantities)

| <u>Name</u> | <u>Max. Quantity</u> |
|--------------------|----------------------|
| Antifreeze | 100 lbs |
| Hydraulic Oil | 6500 lbs |
| Gasoline | 25 lbs |
| Oxygen, compressed | 400 lbs |
| Propane | 1300 lbs |
| Diesel Fuel | 1200 lbs |

IV. PRIMARY EMERGENCY RESPONDERS:

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

V. SUPPORT AVAILABLE FROM FACILITY:

CHEMICAL EMERGENCY MONITORING EQUIPMENT:

weather equipment: NO
pH meters (fixed or portable): NO
organic vapor monitor: NO

PERSONAL PROTECTIVE EQUIPMENT:

positive pressure respirators: NO
self-contained breathing apparatus (SCBA): NO
SCBA tanks (duration): NO
boots and gloves: NO
helmets with eye protection: NO

OTHER EQUIPMENT/SUPPLIES:

foam: NO
sand: Onsite dirt in non-paved surfaces in ferrous storage yard and hauling equipment is available
other absorbents: *Neutralizing/lead encapsulation kit capable of responding to up to 6 gallons of released lead-acid battery electrolyte solution*
Employees are equipped with two-way radios for emergency communication
Spill response coordinators are on-site

OUTSIDE RESOURCES AVAILABLE:

La Crosse County does have a Type II Hazardous Materials Response Team. For Type I incidents, contact the West Central Regional Hazardous Response Team through the Wisconsin Emergency Management Duty Officer (800-943-0003).

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:

A. Description of facility:

Alter Metal Recycling is a scrap metal recycler and processing center. An EHS substance, sulfuric acid, is found in the battery electrolyte solution in recycled automotive and industrial lead-acid batteries. The electrolyte is not removed from the batteries at this facility. The batteries are palletized and shipped to another facility intact. The recycled scrap metal materials contain no reportable quantities of EHS substances. This facility typically stores a maximum 40,000 lbs of whole batteries, which equates to 9,000 lbs of sulfuric acid. Releases would be contained within the warehouse building.

From the www.altermetalrecycling.com website:

2410 Hauser Street
La Crosse, Wisconsin 54603

Located at the dead end of Hauser Street in the industrial park. The last company on the right; next to the "Field for Kids" soccer fields.

Facility Manager: Andy Polhamus
Account Executive: Michele Clark
Yard Supervisor: Jason Byom

"Our La Crosse location is Alter's second oldest facility. We accept ferrous and non-ferrous scrap, appliances (microwaves and dishwashers -- no charge; freon containing appliances -- currently \$10 per unit; non-freon containing units are purchased as sheet iron and includes units that previously contained freon but were evacuated by previous owner). We have a very efficient, clean and new non-ferrous buying station that is very customer-friendly. Michele Clark is our Account Executive and Jason Byom is our Yard Supervisor. Feel free to contact either of them to answer

any operations questions you might have.

We offer customers the use of containers on a first come/first serve basis. And, although we are flexible on how long they may be used, we ask customers to fill the container properly and return it within 10 days, if possible, to keep the containers moving. We also offer Industrial container programs – please call for further information.”

- B. Greatest potential for release. The greatest risk for a release of sulfuric acid would occur during the movement of palletized batteries awaiting shipment.
- C. Vulnerability Zone for each EHS chemical, including parameters used to arrive at the Vulnerability Zone (rural or urban, wind speed, atmospheric stability, class, level of concern, duration of release).

The hazard analysis is as follows:

EHS Chemical: Sulfuric Acid
Form: Liquid
Container Size: 9-12 lbs. (varies widely)
Concentration: 35 %
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 mile

RE-EVALUATION SCENARIO:

Rural or Urban: URBAN
Wind Speed: 11.9 mph
Atmospheric Stability Class: D
Vulnerability Zone: .1 mile

- D. Possible limitations or problems that could arise.
Alter Metal Recycling receives used automotive and occasionally industrial batteries. They are stored on pallets until a full truck load has accumulated and then are transported to another facility. The ‘daily average’ amount of EHS substance is unpredictable and is very dynamic. The emergency plan is for a general release of battery electrolyte solution. A complex situation, such as an explosion or fire, may require additional planning.
- E. Estimate of population affected.
There are very few residences near the North La Crosse Industrial Park. The MARPLOT population estimate for this facility is 0 (zero). A small portion of the Great River State Bike Trail lies just east of the facility. East-bound trail users could be stopped at the Enterprise Avenue crossing and west-bound trail users could be stopped at the County Road B trail terminal. A recreational/sports area (10 soccer fields) is located within the .1 mile vulnerability zone and emergency responders should quickly determine if any sports field users would be at risk during any release of sulfuric acid from Alter Metal Recycling.

F. Conclusions.

The sulfuric acid found in common automotive and industrial batteries poses little threat to the public. It is nearly impossible to release the entire contents of all the stored batteries. Facility operators should take necessary precautions to minimize the exposure of customers, employees and persons near the facility to the EHS substance.

VIII. SPECIAL FACILITIES AFFECTED:

There are no special facilities located in the Vulnerability Zone.

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.

This facility is located on the east end of Hauser Street in the north La Crosse Industrial Park. Access/egress routes are mostly limited to north/south streets. The Burlington Northern Santa Fe railroad runs north/south across the west border of the Industrial Park with east/west railroad crossings limited to Gillette Street on the south end (1.5 miles from the facility) and Oak Forest Drive in Onalaska (1.5 miles).

B. Environmental concerns at facility and in Vulnerability Zone.

The La Crosse River is located approximately ½ mile to the east and southeast of this facility. It is unlikely that a release of sulfuric acid from used automotive batteries would impact the river or the surrounding marsh; however the Wisconsin Department of Natural Resources should be notified of any releases into the soil or moving water streams.

C. Actual response capabilities at facility

Facility can respond to reasonable potential release scenario of batteries tipping over during handling and transporting within facility. The battery casing of the upset batteries would need to be compromised in order for a release to occur. The reasonable potential release quantity is projected to be less than 6 pounds of sulfuric acid and lead-encapsulating neutralizer is present onsite to respond to these releases.

D. Potential for affecting other jurisdictions

The north La Crosse Industrial Park is located within the City of La Crosse but adjacent to the City of Onalaska. Emergency Responders from both communities should be made aware of emergency plans related to this facility.

Distribution List:

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