

**EPCRA Off-Site Facility Plan
For
University of Wisconsin – La Crosse**

WEM ID: 155922

I. FACILITY NAME: University of Wisconsin – La Crosse

University of Wisconsin – La Crosse
1725 State Street, La Crosse, WI
Cowley Hall: 1707 Pine Street, La Crosse, WI
Phone Number: (608) 785-8000
Facility ID # Assigned by WEM: 155922

II. FACILITY EMERGENCY COORDINATOR:

Daniel J. Sweetman dsweetman@uwlax.edu
Environmental Health Program Manager
Telephone Number: 608-785-6800
24 hour phone: 608-789-9999

ALTERNATE COORDINATOR:

Scott W. Rhode
Chief of Police
Telephone Number: 608-785-8711
24 hour phone: 608-789-9999

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>
7664939	Sulfuric Acid	1,000-lbs	.1 mile	Rural

OTHER HAZARDOUS CHEMICALS:

<u>Name</u>	<u>Max. Quantity</u>
8029105 Anthracite Coal	700,000-lbs
8006619 Gasoline	12,334-lbs
7647145 Sodium Chloride	22,500-lbs
68476302 Fuel Oil	96,848-lbs.

IV. PRIMARY EMERGENCY RESPONDERS:

La Crosse Fire Department
UW-L Police Department
La Crosse Police Department
West Central Regional Hazardous Materials Response Team
La Crosse Type II Hazardous Materials Response Team

La Crosse County Sheriff Department
Tri-State Ambulance Service
La Crosse County Emergency Management
Wisconsin Department of Natural Resources

V. SUPPORT AVAILABLE FROM FACILITY:

CHEMICAL EMERGENCY MONITORING EQUIPMENT:

weather equipment:
pH meters (fixed or portable):
combustible gas indicator:
colorimetric indicator tubes (i.e. draeger tubes):
radiation detector:
chlorine kits (A.B.C.):
oxygen concentration meter:
organic vapor monitor:

PERSONAL PROTECTIVE EQUIPMENT:

positive pressure respirators:
self-contained breathing apparatus (SCBA):
SCBA tanks (duration):
mobile cascade:
cascade with compressor:
fully encapsulated suits (indicate type):
fully protective turnout gear:
boots and gloves:
helmets with eye protection:

OTHER EQUIPMENT/SUPPLIES: (*indicate quantity*)

foam: (*indicate type*)
sand:
other absorbents: (*indicate type*)
off-road vehicles:
communication vehicle:
multi-purpose vehicle:
other equipment/supplies:

OUTSIDE RESOURCES AVAILABLE:

La Crosse County has 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."

VII. HAZARD ANALYSIS SUMMARY:

A. Brief description of facility.

The University of Wisconsin- La Crosse Campus consists of nearly forty structures (academic/instruction, 10 residence halls, support, etc.) and has its own coal-fired central heating and electric power generation facility.

B. Greatest potential for release.

Sulfuric Acid is stored in the Cowley Hall (science building) laboratories and campus maintenance and storage buildings. The greatest potential of release could occur during routine maintenance or replenishment.

- 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 EPA-calculated vulnerability zone for sulfuric acid is always .1 mile, regardless of quantity.

The hazard analysis is as follows:

EHS Chemical: Sulfuric Acid
Form: Liquid
Container Size: ____ lbs.
Concentration: ____ %
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:

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

It is estimated that up to people may be affected by an accidental release of sulfuric acid.

- D. Possible limitations or problems that could arise.

- E. Estimate of population affected.

Although there are no permanent housing units within .1 mile of Cowley Hall, there are several nearby campus residence halls. Drake Hall and Coate Hall are adjacent to Cowley Hall.

- F. Conclusions.

VIII. SPECIAL FACILITIES AFFECTED:

There are no special facilities within a .1 mile zone from Cowley Hall. However, the University Campus Child Center lies approximately one block north of the .1 mile 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 appears in the La Crosse County Emergency Operations Plan, Annex E.

X. SPECIAL CONSIDERATIONS:

A. Limited access to facility

All campus buildings can be reached by fire apparatus and other emergency vehicles.

B. Address environmental concerns at facility and in Vulnerability Zone

The La Crosse River marsh lies north of the UW-L campus but outside of the .1 mile vulnerability zone for sulfuric acid.

C. Actual response capabilities at facility

The University of Wisconsin – La Crosse Police Department has officers on duty at all times. The City of La Crosse Fire Department provides Fire/Rescue service for the campus.

D. Potential for affecting other jurisdictions

The .1 mile vulnerability zone for a release of sulfuric acid does not extend past the campus area.

XI. REQUIRED ATTACHMENTS:

- A. Facility Layout Highlighting EHS Chemical Storage Location
- 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:

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