

EPCRA OFF-SITE PLAN FOR
 La Crosse Municipal Well #23H
 900 Fisherman's Road
 La Crosse WI 54603

I. FACILITY NAME:
 La Crosse Municipal Well #23H
 900 Fisherman's Road
 La Crosse WI 54601-1207
 608-789-7385
 Facility ID # Assigned by WEM: **003372-2**

| | |
|------------------------------------|-------------------------------|
| II. FACILITY COORDINATOR: | ALTERNATE COORDINATOR: |
| Lee Anderson | Mark Johnson |
| Water Superintendent | Utilities Manager |
| Telephone Number: | Telephone Number: |
| 608-789-7385 (w) | 608-789-7536 (w) |
| 608-498-6616 (personal cell phone) | 608-792-0498 (c) |

III. CHEMICALS ON SITE: EXTREMELY HAZARDOUS SUBSTANCES

| <u>CAS #</u> | <u>Chemical/ Trade Name</u> | <u>Max. Amt.</u> | <u>Vul. Zone</u> | <u>Rural/ Urban</u> |
|--------------|---------------------------------|--------------------------------------|----------------------|-------------------------|
| 7782-50-5 | Chlorine | 450-lb. (Three 150-lb. cylinders) | 2.2 miles | 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 Water Department Facility Crew
 La Crosse Fire Department
 La Crosse Police Department
 La Crosse County Sheriff's Department
 Wisconsin State Patrol
 Wisconsin Department of Natural Resources
 La Crosse County Emergency Management
 Tri-State Ambulance

V. SUPPORT AVAILABLE FROM FACILITY:

Facility Crew can be called in by radio to support La Crosse Fire Department. La Crosse Fire Department has cylinder containment kit.

OUTSIDE RESOURCES AVAILABLE:

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

CHEMTREC 800-424-9300

Georgia-Pacific 206-733-4410

Hydrite Chemical Company 608-784-0024

The Water Utility solicits annual quotations for chemical supply. Hydrite Chemical Company is the current (2014) supplier of chlorine and for the La Crosse Water Utility.

Hydrite Chemical Company

701 Sumner Street

La Crosse, WI 54603

Phone: 608-784-0024

Fax: 608-785-2990

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 La Crosse Municipal Well #23H could have upwards of two employees at the facility during an event. The facility is located toward the north end of Fisherman's Road, approximately one mile east of the La Crosse Airport Terminal, Airport Drive. There are a few permanent residences on Lauderdale Place and Lauderdale Court within a .5 mile radius of this facility. These homes are located across the Black River.

Four 150-lb. cylinders of Chlorine are stored in a separate chlorine room, which is on the West Side of the building. Two 150-lb. cylinders are connected to the system.

An accidental release of chlorine could occur during changeover of tanks if valves should malfunction.

The vulnerability zone for this facility was based on a worst case scenario for a release of one 150 lb. of chlorine and was computed using CAMEO software. Parameters used in the analysis were:

| | |
|----------------------|-----------------|
| EHS Chemical: | Chlorine |
| Form: | Gas |
| Container Size: | 150-lbs. |
| Concentration: | 100% |
| 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: 2.2 miles

RE-EVALUATION SCENARIO:

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

Approximately 21,491 people reside within the 2.2 mile vulnerability zone.

VIII. SPECIAL FACILITIESGovernment facilities

| | | |
|--|---|--------------|
| La Crosse Municipal Airport | 2850 Airport Road, La Crosse | 608-789-7464 |
| Campbell Fire Department, Campbell Police Department, Campbell Town Hall | 2219 Bainbridge Street, La Crosse | 608-783-0050 |
| Onalaska Fire Department, Onalaska Police Department, Onalaska City Hall | 415 Main Street, Onalaska | 608-781-9546 |
| Library – Campbell | 2219 Bainbridge Street, La Crosse | 608-783-0052 |
| Federal Aviation Administration – Air Traffic Control Tower | 2873 Fanta Reed Road, La Crosse | 608-783-0202 |
| Upper Midwest Environmental Sciences Center | 2630 Fanta Reed Road, La Crosse | 608-783-6451 |
| Army Reserve Center | 910 Oak Forest Drive, Onalaska | 608-783-4734 |
| La Crosse Fire Station 4 | 906 Gillette St, La Crosse | 608-789-7274 |
| Onalaska Post Office | 304 11 th Avenue North, Onalaska | 608-781-8777 |

Child Care/Day Care Facilities

| <u>NAME</u> | <u>ADDRESS</u> | <u>PHONE</u> | <u>CAPACITY</u> |
|----------------------------------|--|--------------|-----------------|
| Ally's Angels | 2005 Loomis Street, La Crosse | 608-780-3441 | 8 |
| Childfirst – Onalaska School Age | 1828 Main Street E., Onalaska | 608-783-8194 | 49 |
| Childfirst – Onalaska | 524 Main Street, Onalaska | 608-783-8000 | 65 |
| Children's Tree House | 1052 Oak Forest Dr, Onalaska | 608-783-4545 | 92 |
| Christian Chapel Day Care | 1415 Well St., Onalaska | 608-783-5722 | 73 |
| First Lutheran Preschool | 410 Main Street, Onalaska | 608-779-4504 | 29 |
| Jeri's Little Jems | 1629 Prospect Street, La Crosse | 608-781-1326 | 8 |
| Joy's Castle Adventure | 925 13 th Avenue S., Onalaska | 608-781-5903 | 50 |
| Lil' Loons Childcare | 314 6 th Avenue N., Onalaska | 608-783-0791 | 8 |
| Miss Aimee's Childcare | 2137 Onalaska Ave., La Crosse | 608-519-5448 | 8 |
| Mrs. Suiter's Sweethearts | 1828 Bainbridge Pl, La Crosse | 608-782-4498 | 8 |
| Onalaska Head Start | 212 4 th Avenue N., Onalaska | 608-783-6920 | 18 |
| Preschool Childcare Center | 2100 Dawson Ave., La Crosse | 608-783-4002 | 60 |
| Sandee's Family Day Care | 2126 Loomis Street, La Crosse | 608-397-8330 | 8 |
| Shepherd's Flock | 1215 Redwood St., Onalaska | 608-781-9445 | 24 |
| Sprout Childcare | 1711 George Street, La Crosse | 608-519-3999 | 50 |
| Tammy's Day Care | 310 2 nd Avenue S., Onalaska | 608-783-4217 | 8 |
| Tammy's Tiny Treasures | 314 3 rd Avenue S., Onalaska | 608-781-3446 | 8 |
| The Creative Child | 310 Main Street, Onalaska | 608-519-3133 | 40 |

LA CROSSE COUNTY

| | | | |
|--------------------------------|---|--------------|----|
| Time to Care Day Care | 1036 La Crosse St., Onalaska | 608-783-1337 | 8 |
| Viv's ABC Kind Care | 510 5 th Avenue S., Onalaska | 608-783-0729 | 8 |
| YMCA School Age Northern Hills | 511 Spruce Street, Onalaska | 608-782-9622 | 64 |
| YMCA School Age Roosevelt | 1307 Hayes Street, La Crosse | 608-782-9622 | 70 |
| YMCA School Age Summit | 1800 Lakeshore Dr., La Crosse | 608-789-7980 | 45 |

Schools

| <u>NAME</u> | <u>ADDRESS</u> | <u>PHONE</u> | <u>CAPACITY</u> |
|----------------------------|--|--------------|-----------------|
| Coulee Montessori School | 1307 Hayes Street, La Crosse | 608-789-7685 | |
| Irving Pertzsch Elementary | 524 Main St., Onalaska | 608-783-5644 | 379 |
| Logan High | 1500 Ranger Dr., La Crosse | 608-789-7700 | 1160 |
| Logan Middle | 1450 Avon St., La Crosse | 608-789-7740 | 760 |
| Luther High School | 1501 Wilson St., Onalaska | 608-783-5435 | 270 |
| Northern Hills Elementary | 511 Spruce St., Onalaska | 608-783-4542 | 500 |
| Onalaska High School | 700 Hilltopper Place, Onalaska | 608-783-4561 | 1059 |
| Onalaska Middle School | 711 Quincy St., Onalaska | 608-783-5366 | 890 |
| Roosevelt Elementary | 1307 Hayes St., La Crosse | 608-789-7760 | 233 |
| St. Patrick's School | 127 11 th Ave. N., Onalaska | 608-783-5483 | 240 |
| St. Paul's Evangelical | 1201 Main St., Onalaska | 608-783-2552 | 250 |
| Summit Elementary | 1800 Lakeshore Dr., La Crosse | 608-789-7980 | 325 |

Health Care and Assisted Living Facilities

| <u>NAME</u> | <u>ADDRESS</u> | <u>PHONE</u> | <u>CAPACITY</u> |
|------------------------------------|--|--------------|-----------------|
| <u>Adult Day Care</u> | | | |
| Coulee Region ADC | 1062 Oak Forest Dr., Onalaska | 608-519-2306 | 50 |
| <u>Adult Family Home</u> | | | |
| Aurora #104 | 411 6 th Avenue North, Onalaska | 608-781-2660 | 4 |
| Aurora #107 | N4966 Stuhr Court, Onalaska | 608-781-5389 | 4 |
| Black River AFH | 467 Second Ave. N., Onalaska | 608-783-1485 | 3 |
| Chrishaven II (North) | 1310 10 th Ave. N., Onalaska | 608-780-5124 | 4 |
| Chrishaven II (South) | 1308 10 th Ave. N., Onalaska | 608-780-5124 | 4 |
| Chrishaven Onalaska North | 737 10 th Ave. N., Onalaska | 608-781-8823 | 4 |
| Chrishaven Onalaska South | 735 10 th Ave. N., Onalaska | 608-779-1333 | 4 |
| Coulee Care Main Street | 1106 Main Street, Onalaska | 608-781-4890 | 4 |
| Creative Community Living Services | N5412 Circle Dr. W., Onalaska | 608-783-1071 | 3 |
| Hurricane Court AFH | N5009 Hurricane Ct., Onalaska | 608-787-8947 | 4 |
| Island Home | 107 Olivet Street, La Crosse | 608-781-1081 | 4 |
| Kristy Lane AFH | 1038 Kristy Lane, Onalaska | 608-783-2346 | 4 |
| Stacy's AFH | 2505 First Ave. W., La Crosse | 608-781-7161 | 4 |
| Tidal Wave | N5005 Hurricane Ct., Onalaska | 608-779-0678 | 4 |
| Westview Circle AFH | 1028 Westview Circle Dr., Onalaska | 608-519-3186 | 4 |
| <u>Residential Care Complexes</u> | | | |
| Sterling House | 949 10th Avenue North Onalaska | 608-783-4955 | 20 |
| Laurel Manor | 108 17 th Avenue North Onalaska | 608-783-1815 | 12 |

Nursing Homes

Onalaska Care Center 1600 Main Street, Onalaska 608-783-4681

Clinics and Hospitals

Mayo Clinic Health System 191 Theater Road, Onalaska 608-392-5000

Community-Based Residential Facilities

Brunk House 2734 Harvey Street, La Crosse 608-781-8706 8

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. Therefore, 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:

This pumping station is located within one-quarter mile of the Black River just north of the Airport Beach. In spring, summer and fall hundreds of anglers and boaters could be using the Black River or the Onalaska Spillway. The spillway is located about three-quarters of a mile northeast of the well site.

In summer, a public beach and water ski area is located within one-quarter mile of the facility. In winter, hundreds of anglers could be fishing on the Black River within one-half mile of the facility.

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.