

EPCRA OFF-SITE PLAN

Trane, U.S.
South La Crosse Operations
2411 East Avenue South
La Crosse, WI 54601

WEM #001157-8 (La Crosse Operations)
WEM #001950-1 (Bldg. 17)



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EPCRA OFF-SITE PLAN FOR

Trane, U.S.
 South La Crosse Complex
 2411 East Avenue, South
 La Crosse, WI 54601

Mailing Address:
 3600 Pammel Creek Road
 La Crosse, WI 54601

I. FACILITY I.D. INFORMATION:

Name: Trane – South Complex
 Location Address: 2411 East Avenue, South
 Phone Number: 608-787-2000 (Switchboard Operator)
 WEM Facility ID: #001157-8 (Trane La Crosse Operations)
 #019500-1 (Bldg 17, Pammel Creek Road)

II. FACILITY COORDINATOR:

Todd Church
 Environmental Program Manager
 Telephone Numbers:
 608-787-2672 (Office)
 608-386-3152 (24-hr Cell)

ALTERNATE COORDINATOR:

Darren Bakkestuen
 EHS Coordinator
 Telephone Numbers:
 608-787-3050 (Office)
 608-386-0703 (24-hr Cell)

III. CHEMICALS ON SITE: EXTREMELY HAZARDOUS SUBSTANCES (EHS)

CAS #	Chemical Name/ Trade Name	Maximum Amount	Vulnerability Zone	Rural/ Urban
7664-93-9	Sulfuric Acid	18000 lbs	0.10 miles	Urban

By Location:

CAS #	Plant/Bldg →	2	4	5	7	Lab 11	13	17
7664-93-9	Sulfuric Acid	550	1050	700	1090	< 10	0	400

OTHER HAZARDOUS CHEMICALS: (Max. Amount in pounds unless otherwise noted)

CAS #	Plant/Bldg →	2	4	5	7	Lab 11	13	17	ALL
7782-44-7	Oxygen				100000				25000
7727-37-9	Nitrogen				20000	2500			500
811972	1,1,1,2-Tetrafluoroethane (HFC-134A)					10000			
115-07-1	Propylene (welding gas)								15000
306-83-2	HCFC-123 Refrigerant			5000	6000	11000		2500	
811-97-2	HFC-134a Refrigerant								
7647-14-5	Sodium Chloride (Road Salt)			50000					
N/A	Ceramic Media			25500					
N/A	Solvent-based Paints			12000	8000				
68476-30-2	#2 Fuel Oil (amt. in gals)	27500	27500		10000	800		2000	
68334-30-5	Diesel Fuel (amt. in gals)				1000	3500		800	
Various	Lubricating Oils (amt. in gals)	500	6500	1500	5000	2000	400	150	
7439921	Lead Compounds		34600		22300				10900
N/A	Shot Blast Media (Iron Pellets)		30000		15000				
1344281	Welding Flux containing Bauxite		15000		20000				

IV. PRIMARY EMERGENCY RESPONDERS:

Trane Co. Emergency Response/Spill Team (for small incidental spills only)
Trane Co. Environmental Program Manager
La Crosse Fire Department
La Crosse Type II Hazardous Materials Response Team
West Central Regional Type I Hazardous Materials Response Team
La Crosse Police Department
La Crosse County Emergency Management
La Crosse County Sheriff's Department
Tri-State Ambulance
RESCO (Division of WRR Environmental – Eau Claire, WI)

V. SECONDARY EMERGENCY RESPONDERS:

Wisconsin State Patrol
Wisconsin Department of Natural Resources (WI-DNR)

VI. SUPPORT AVAILABLE FROM OPERATIONS:

The facility does not have a formal in-house spill response team. A small group of environmental technicians can respond to small incidental spills, but are not trained or equipped to handle a **Level B (or higher) spill**, therefore requiring the services of an outside spill response group during such events.

Commented [ksb1]: Consider changing to Type II or Type I

The facility has an ample supply of various types of spill absorbent materials (pads, granular, etc) - located throughout the facility – to absorb acid & caustic spills, and all the various hydrocarbon fuel spills.

OUTSIDE RESOURCES AVAILABLE:

The facility has contracted with RESCO (Div. of WRR Environmental Services) to provide 24/7/365 emergency spill response services to the facility on an on-call basis.

The County of La Crosse has a Type II Hazardous Materials Response Team and will respond to 9-1-1 emergency calls.

In addition, for Type I incidents, the West Central Regional Hazardous Materials Response Team may be called through the Wisconsin Emergency Management Duty Officer at: (1-800-943-0003).

Other available support resources:

CHEMTREC	1-800-424-9300
Hydrite Chemical Co	1-800-383-4571
RESCO (Div. of WRR)	1-800-669-4162

VII. GENERAL FACILITY INFORMATION:

The Trane – South Complex consist of the following manufacturing/assembly facilities and administration buildings:

Plant 2 (2511 South 16th Street)

Plant 2 encompasses approximately 232,000 square feet of floor space. Over the past couple of years Trane has relocated most of the manufacturing processes from this building to our Plant 4 Annex area. Activities currently employed in this building include a small maintenance area, lift truck repair area, shipping & receiving, one conveyor-type washer, one paint booth and conveyor-type paint line. Building is also used for intermittent storage of obsolete equipment. The building could have upwards of 10 - 15 workers at any one time. Plant 2 also contains the south La Crosse steam generation plant consisting of natural gas fired boilers used for stand-by purposes only.

Plant 4 (2411 East Avenue)

Plant 4 is Trane's largest manufacturing facility in La Crosse with more than 319,000 square feet of space. Welding, painting, machining, assembly and cutting fluid recycling operations are done at this plant. Plant 4 also has administrative offices to support this facility and they are located on the north end of the building nearest Townsend Street. This building could have upwards of 175 - 200 workers within its confines.

Plant 5/Oil House (2425 East Avenue)

The majority of this building is used for storage, including maintenance parts and also chemicals until dispersed to the other various departments throughout the facility. This building has the highest concentration of hazardous chemicals all in one place. Just to the east of this building is the Hazardous Waste Storage Bldg. where hazardous waste and other spent/used materials are stored prior to proper disposal. Approximately 2 – 5 workers could be in Plant 5/Oil House at any one time.

Plant 7 (2900 Losey Boulevard)

Plant 7 encompasses more than 275,000 square feet dedicated to the final assembly of centrifugal chiller units. Welding, painting, machining, press brake, flame & laser cutting operations, and assembly are done at this location. Also located at Plant 7 are office support operations for this building. Offices are located on the east-side of the building nearest Losey Blvd. This building could have upwards of 200 - 225 workers in this building at any one time.

Building 11 -Technology Center and Research & Development, and Building 12 – Administrative Offices (2013 South 20th St)

The Trane Technology Center (Bldg. 11) is the headquarters for the company's research, development and engineering activities. Prototypes undergo rigorous testing at the adjoining Research and Development Laboratories to assure design specifications. Welding, model building, and machining are other operations performed in this building. This building could have upwards of 125-130 employees at any one time.

Building 12 (physically attached to Bldg. 11) is the headquarters for the administrative staff of the La Crosse Business Unit and consists of normal managerial and clerical office-type activities. No potentially dangerous materials are stored in this building. This building could have upwards of 540 – 550 employees at any one time.

Building 13, Erickson Bldg (1700 Horton Street)

Housed on the south-end of this building the Toolroom operation where a wide variety of fixtures, jigs and tools are made for Trane manufacturing operations. Also in this building are the in-house printing operations, and other administrative staff personnel. Building has two floors, but all occupancy is on the first floor. The entire building could have upwards of 20 - 25 workers at any one time.

Building 15 (2512 South 21st Place)

Building 15 is the former parts distribution/warehouse center for Trane operations. Approximately 25% of this 178,000 square-foot facility is currently used by the Technical Center for research & testing of proto-type equipment. This activity occurs on north-end of the building. No actual manufacturing operations occur in this building. This building could have upwards of 2 – 6 technical employees at any one time. The remaining 75% of this building is used for obsolete equipment & maintenance storage.

Building 17, Reuben Trane Building (3600 Pammel Creek Road)

Located here are the administrative functions for Trane Commercial Systems (corporate human resources, sales office administration, information systems, marketing, credit and finance). This building could have upwards of 700 administrative personnel at any one time. This facility is located approximately 1.25 miles east of the South Complex and is not considered a part of the South Complex for planning purposes. A separate Tier II Chemical Inventory report is on file for this facility because of the stored fuel oil which is present at this facility.

VIII. HAZARD ANALYSIS SUMMARY:

The Trane – South Complex is a combination of manufacturing, administrative offices, warehouse, and technical and research & development facilities. (See Section VII for details).

The South Complex is bordered by Horton Street on the north, Ward Avenue on the south, East Ave on the west, and 21st Place Street on the east with the exception of Bldg 17 – Reuben Trane Building, which is on Pammel Creek Road. The South Complex is best reached by traveling southeast from downtown La Crosse on South Avenue (also known as U.S. Highways 14/ 61 and State Road 35) to Horton Street and then turn left (east) to East Avenue. From south La Crosse, travel northwest on Mormon Coulee Road to East Avenue, turn right (north) to Townsend Street.

Other 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.

The vulnerability zone for this facility was based on a worst case scenario for a release of Sulfuric Acid, and could be upwards of 0.10 miles or approximately 530 feet.

It was determined that the greatest risk of a HAZMAT incident involving the sulfuric acid would occur during the unloading and internal transfer of this material. The areas impacted within this vulnerability zone would be mostly limited to the Trane Company property with minimal-to-no impact to the surrounding community. These areas are listed below under Section IX.

EHS Chemical:	Sulfuric Acid
Form:	Liquid
Container Size/Wt. per container:	55-gallon plastic drums (~ 800 lbs./drum)
Concentration:	100 %
Parameters used in the hazard analysis:	
Level of Concern:	1/10 IDLH
Duration of Release:	10 minutes
WORST CASE SCENARIO:	
Rural or Urban	Rural
Wind speed:	3.4 mph
Atmospheric Stability Class:	F
Vulnerability Zone:	<0.10 miles
REEVALUATION SCENARIO:	
Rural or Urban:	Urban
Wind speed:	11.9 mph
Atmospheric Stability Class:	D
Vulnerability Zone:	<0.10 miles

IX. FACILITIES AFFECTED:

(Depending on the specific release/spill location, the following Trane facilities could be affected by the release of Sulfuric Acid.)

Trane - Plant 2
2511 So. 16th Street
Max. population including staff – 15

Trane - Plant 5 / Oil House
2425 East Avenue
Max. population including staff – 5

Trane - Plant 7
2600 Losey Blvd.
Max. population including staff – 225

Trane - Plant 4
2411 East Avenue
Max. population including staff – 200

Trane -Tech Ctr. / R&D Bldgs. 11 & 12
2013 So. 20th Street
Max. population – 680

Other Nearby Businesses: (Not Affected by Release. Listed only for Reference)

Rosie's Cafe
2225 So. 16th Street
(Behind and west of Plant 2)

KATZ Industrial Metals
2535 East Avenue
(South of Plant 5 and across RR tracks)

Leinfelder, Joseph J & Sons
2015 Ward Avenue
(South of Plant 5 and across RR tracks)

Northern Recycling (and adj. buildings)
2115 Ward Avenue
(South of Plant 5 and across RR tracks)

Marcus Cinemas
2032 Ward Ave
(South of Plant 4/5)

Pizza Hut Restaurant
2028 Ward Ave
(South of Plant 4/5)

Altra Federal Credit Union
2715 Losey Blvd South
(East of Plant 7 and across Losey Blvd)

McDonald's Restaurant
2810 Losey Blvd. South
(South of Plant 7 across Ward Ave)

Advance Auto Parts
2801 Losey Blvd. South
(SE of Plant 7 across Ward Ave)

William Powell Constr.
2413 16th Street, So
(West of Plant 2)

Plumbers & Steamfitters
Union Hall
2417 16th Street, So.
(West of Plant 2)

Benson Construction Co.
2425 16th Street, So

(West of Plant 2)

Great Big Outlet
2815 Losey Blvd South
(South of Plant 7 across Losey)

Chart Heat Exchanger Mfg.
2502 Losey Blvd.
(West and adjacent to Plant 7)

LaCrosse Technology
2807 Losey Blvd. South
(Southeast of Plant 7 and across Ward Ave)

Ferguson Enterprise
2220 Ward Ave
(So of Plant 7 across Ward Ave)

Something Special Under the Sun
1701 Chase Street
(West of Plant 4)

Schools, Day Care & Churches:

Spence Elementary
2150 Bennett Street
(Northeast of Plant 4)

Living Word Christian Church
2015 Ward Ave

(South of Plant 4)

Our Redeemer Lutheran Church
2135 Weston Street
(Northeast of Plant 4)

Mary Mother of the Church Early Childhood Center
2000 Weston Street
(North of Plant 4)

Parks:

Erickson Field and Aquatic Center (public swimming pool)
2400 Losey Boulevard South
(North of Plant 7 and across street from Bldg 15)

Trane Park
1500 Chase Street
(West of Plant 2)

X. 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 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.

XI. SPECIAL CONSIDERATIONS:

The vulnerable zone for this facility covers a number of major traffic routes, which in the event of a release, would require detours and traffic redirection. The control and movement of traffic on impacted roadways and railroad routes would be a responsibility of the La Crosse Police Department and the La Crosse County Sheriff's Department. Control zones and detours will be established depending upon wind conditions and the size of the release. In the event of a long duration situation, the La Crosse Street Department may be called upon to provide additional traffic control support through the use of signs, barricades, flashers, and personnel.

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

NOTE: There are no local ordinances in La Crosse County that 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. GENERAL 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 zone is 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, 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.

Furthermore, the fire department(s) that would respond to an incident at this facility are strongly encouraged to meet with Trane representatives to determine ways to minimize an event 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 only.

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)