AGENDA

Eau Claire County
Local Emergency Planning Committee
Thursday, May 29, 2025, at 4:00 p.m.
Hybrid Meeting

In-Person Location:
Eau Claire County EOC
5061 US Highway 53, Eau Claire • Room 123

Access by Phone:
1-415-655-0001, Access Code: 25336807594##

Access Link:
https://eauclairecounty.webex.com/eauclairecounty/j.php?MTID=m267df9d87d05fee0b057d8a00921df3e
Password: pmKjpqtJ475

For those wishing to make public comment, you can submit your request to speak and/or writtencomment to Valerie Desio at valerie.desio@eauclairecounty.gov at least 60 minutes prior to the start of the meeting.

1. Call to Order and confirmation of meeting notice
2. Roll Call
3. Public Comment
4. Appoint/Reappointments to the LEPC – **Information/Discussion**
   a. Jesse Henning (Reappointment)
   b. Darrell Christy (Reappointment)
   c. Jamie Burkhardt (Reappointment)
   d. Robert King (Reappointment)
   e. Sarah Siefert (Reappointment)
   f. Brian Drollinger (Reappointment)
   g. Frank Neibauer (Reappointment)
5. Election of LEPC Chair – **Discussion/Action**
6. Election of LEPC Vice Chair – **Discussion/Action**
7. Appointment of LEPC Clerk – **Discussion/Action**
8. Review/Approval of Committee Meeting Minutes – **Discussion/Action**
   a. February 20, 2025 **Page 2-3**
9. Recommendations for New Committee Members – **Discussion/Action**
10. Review/Approval of 2025 Sulfuric Acid Battery Plan – **Discussion/Action** **Page 4-96**
    a. Core-Mark Eau Claire
    b. Eau Claire Cooperative Oil Company
    c. Ferguson – 1676
    d. First Supply LLC – Eau Claire
    e. Fleet Farm
    f. MCI (EUCRWI)(WIEAUCRWI)
    g. WI_4410_Charter Communications_Eau Claire
11. Review/Approval of Off-Site Emergency Response Plans – **Discussion/Action**
    a. Airgas USA, LLC **Page 97-123**
    b. Diversey, Inc **Page 124-154**
    c. Curt Group/Lippert **Page 155-215**
12. Local Hazardous Materials Spill Response Team Report **– Information/Discussion**
13. Emergency Management Updates **– Information/Discussion**
14. Next Meeting Date: To Be Determined – **Information/Discussion**
15. Adjourn

Prepared by: Valerie Desio – Emergency Management Specialist

Please note: Upon reasonable notice, efforts will be made to accommodate the needs of disabled individuals through sign language, interpreters, or other auxiliary aids. For additional information or to request the service, contact the County ADA Coordinator at 715-839-6945 (FAX) 715-839-1669 or (TDD) 715-839-4735 or by writing to the ADA Coordinator, Human Resources Department, Eau Claire County Courthouse, 721 Oxford Ave., Eau Claire, Wisconsin 54703.

MINUTES
Eau Claire County
Local Emergency Planning Committee
Thursday, February 20, 2025, at 4:00 p.m.
Hybrid Meeting

Present: Connie Russell, Katherine Schneider, Darrell Christy, Frank Neibauer, Jack Running, James Hager, Jamie Burkhardt, Jason Knecht, Jesse Henning, Marisa Stanley, Matt Jagger, Robert King, Sarah Seifert

Absent: Brian Drollinger, Dustin Walters, Thomas Lochner

Others: Tyler Esh, Valerie Desio – Committee Clerk, Joe Kalscheur

Call to Order and confirmation of meeting notice

Chair Christy called the meeting to order at 4:00 p.m. and confirmed that the meeting was noticed.

Roll Call

The roll was called by the clerk, and it is noted above under present. A quorum was confirmed.

Review/Approval of Committee Meeting Minutes

The Committee reviewed the minutes from September 19, 2024. Motion by Jack Running, seconded by Jason Knecht to approve September 19, 2024 Meeting Minutes. All in favor, motion carried.

Review/Approval of 2025 Hazardous Materials Strategic Plan

Valerie Desio, EM Specialist, outlined the Plan to the Committee. Eau Claire County has 33 Planning Facilities, of which 24 are part of the Sulfuric Acid Battery Plan and 9 Facilities with other EHS chemicals. The five most common EHS's remain the same, as noted on page 6. Motion by Frank Neibauer, seconded by Matt Jaggar, to approve the 2025 Hazardous Materials Strategic Plan. All in favor, motion carried.

Review/Approval of LEPC Bylaws

Valerie Desio noted that there are no changes in this year's LEPC Bylaws. Motion by Frank Hager, seconded by Jamie Burkhardt to approve the LEPC Bylaws. All in favor, motion carried.

LEPC Compliance Inspector Designation for FFY 2025

Tyler Esh noted that each fiscal year, the LEPC must designate a Compliance Inspector for EPCRA planning. Historically, this has been assigned to Wisconsin Emergency Management. Motion by Jack Running, seconded by Frank Neibauer to designate Wisconsin Emergency Management as the LEPC Compliance Inspector for FFY 2025. All in favor, motion carried.

Local Hazardous Materials Spill Response Team Report

Jamie Burkhardt, City of Eau Claire Fire Department updated the Committee on the latest hazardous materials incidents. From September 19 to February 19, there were:

- 51 events were CO related, 14 with CO present, 6 with detector issues.
- 23 events were natural gas leaks.

- 3 event was a gas spill.
- 2 other hazardous conditions.
- 19 events were investigations.
- 2 event was oil or other chemical spill.
- 6 events were related to steam/vapor.

Emergency Management Updates

Tyler Esh updated the Committee on the following items regarding Emergency Management:

- There are several upcoming trainings, including Amateur Radio Resources, Skywarn Weather Spotter, and ICS 300/400. See the Emergency Management Calendar for more information.
- Emergency Management is working on several exercises for this year. They range from a large-scale EOC functional exercise with City of Altoona and Eau Claire and Airport Full Scale, with others being planned.
- Tyler Esh did a brief overview of the 2025 EM budget.
- Valerie Desio discussed work on the Command Trailer. Emergency Management and the Eau Claire Amateur Radio Club are rewiring the radios in the command trailer and have used left over grant funding to purchase new radio antennas that will work for UHF, VHF, and 800 mhz. Equipment is also being purchased to equip the trailer with WIFI capabilities and update some outdated equipment. Should be able to showcase this at the next LEPC meeting.
- Valerie Desio presented several GIS tools that Emergency Management utilizes. The newest tool was initially designed to help determine special facilities and populations within the vulnerability zone of a facility, but there is value for responding agencies to be able to use this tool in the field. Responders with internet access from any device, can access this tool, enter an address and determine what is within an adjustable radius of their location.

Next Meeting Date

The next meeting will be held on May 29, 2025 at 4pm at the Eau Claire County EOC.

Adjourn

Motion by Frank Neibauer, seconded by James Hager to adjourn the meeting. All in favor.

Meeting adjourned at 4:40 p.m.

Respectfully Submitted,

Valerie Desio – Clerk, Local Emergency Planning Committee

EAU CLAIRE COUNTY

County Wide

Sulfuric Acid Battery Plan

MAY 2025

TABLE OF CONTENTS

I. INTRODUCTION/GENERAL INFORMATION

A. General Information

This County Wide Battery Plan will cover facilities with only batteries present on site using sulfuric acid in an electrolyte solution that meets the planning notification requirements of the Emergency Planning and Community Right-to-Know Act (EPCRA). The information in this plan has been organized in a manner to be user friendly to emergency responders.

A hazardous materials response would use the Incident Command System (ICS) to ensure that all responders and their support assets are coordinated for an effective and efficient response, which is necessary to (1) save lives, and (2) mitigate property and environmental damage. Certain resources are identified which can provide specialized hazardous materials response equipment and capabilities. Personal protective equipment and devices such as respiratory protective devices, clothing, equipment, etc., will be utilized, as the incident requires.

B. Plan Limitations

This Countywide Battery Plan meets the minimum EPCRA planning requirements that were first referenced in the "Guide for Complying with SARA Hazardous Materials Off-Site Planning Requirements" (September 1989). The vulnerability zones set forth in this Plan are based on the EPA's Technical Guidance for Hazardous Analysis. The zones are based on a credible worst-case scenario and identify the potential area for impact should an air-borne release of electrolyte solution with sulfuric acid occur.

The vulnerability zones are NOT intended to be used as a guide for population protection in fire-related incidents. Fire incidents were not 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 operation procedures as well as Eau Claire County's Emergency Operations Plan (EOP).

C. County Specific Information

Emergency Support Function (ESF) 4: Firefighting, as it may relate to this facility when making decisions at an incident involving fire. Additional resource materials should be utilized that will assist in the response to a chemical emergency.

Emergency Support Function (ESF) 10: Hazardous Materials

Further, fire departments that would respond to an incident at Battery facilities with batteries containing electrolyte solution of sulfuric acid 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. Vulnerability zones will be determined depending on wind speed and direction, the amount of material released and other pertinent factors.

Alert, Warning, and Emergency Public Information procedures are covered in the Eau Claire County Emergency Operations Plan (EOP) Emergency Support Function (ESF) 2: Communications and Warning.

II. LIST OF PLANNING FACILITIES

All facilities use sulfuric acid batteries creating a VULNERABILITY ZONE (Credible Worst-Case Scenario) of <0.1 miles or less than 528 feet.

FAC ID #	FACILITY NAME	FACILITY ADDRESS	MUNICIPALITY
120264	American Phoenix, Inc.	800 Wisconsin Street Eau Claire, Wisconsin 54703	City of Eau Claire
933	AT&T Enterprises – PK0116	310 North Dewey Street Eau Claire, Wisconsin 54703	City of Eau Claire
202533	Core-Mark Eau Claire	2516 Prospect Dr Eau Claire, Wisconsin 54703	City of Eau Claire
203328	Costco Wholesale #1664	1420 Black Ave Eau Claire, WI 54703	City of Eau Claire
203435	Dakota Supply Group	3413 Truax Court Eau Claire, Wisconsin 54703	City of Eau Claire
64496	Eau Claire Cooperative Oil Co.	4970 Kane Road Eau Claire, Wisconsin 54703	Town of Union
202685	Ferguson – 1676	2626 Truax Boulevard Eau Claire, Wisconsin 54703	City of Eau Claire
201315	First Supply LLC – Eau Claire	596 Cameron Street Eau Claire, Wisconsin 54703	City of Eau Claire
202051	Fleet Farm	3165 Old Town Hall Road Eau Claire, Wisconsin 54701	City of Eau Claire
196827	Great Lakes Coca-Cola Eau Claire Distribution	2020 Truax Boulevard Eau Claire, Wisconsin 54703	City of Eau Claire
150128	Hutchinson Technology	2435 Alpine Road Eau Claire, Wisconsin 54703	City of Eau Claire

FAC ID #	FACILITY NAME	FACILITY ADDRESS	MUNICIPALITY
137176	Indianhead Foodservice Distributor	313 Hastings Place Eau Claire, Wisconsin 54702	City of Eau Claire
601127	Mayo Clinic Health System Northwest Wisconsin Region, Inc.	1221 Whipple Street Eau Claire, Wisconsin 54702	City of Eau Claire
173687	MCI (EUCRWI)(WIEUCRWI)	333 Putnam Street Eau Claire, Wisconsin 54703	City of Eau Claire
143371	Menard, Inc. – Eau Claire	5101 Menard Drive Eau Claire, Wisconsin 54703	Town of Union
378183	Nestle Healthcare Nutrition, Inc	3555 Preston Road Eau Claire, Wisconsin 54702	City of Eau Claire
161165	Sam's Club #8185	4001 Gateway Drive Eau Claire, Wisconsin 54701	City of Eau Claire
200730	Silver Spring Foods	2424 Alpine Road Eau Claire, Wisconsin 54703	City of Eau Claire
161672	Wal-Mart #1669	3915 Gateway Drive Eau Claire, Wisconsin 54701	City of Eau Claire
198598	WI-4410_Charter Communications_Eau Claire	1048 Mary Lane Eau Claire, Wisconsin 54703	Town of Union
199193	Wisconsin Bell – P10602	404 S Barstow St Eau Claire, Wisconsin 54701	City of Eau Claire
13019	Wisconsin Bell – PK0106	304 South Dewey Street Eau Claire, Wisconsin 54701	City of Eau Claire
203447	WSC Eau Claire	4200 White Avenue, Eau Claire, Wisconsin 54703	City of Eau Claire
99570	Xcel Energy Eau Claire Substation	Old Wells Road Eau Claire, Wisconsin 54703	City of Eau Claire

III. RESPONSE/TECHNICAL SUPPORT

A. Response

Eau Claire County has response elements in place with the ability to meet normal emergency response needs: performing firefighting, hazardous materials response, law enforcement, emergency medical services, and rescue tasks. Eau Claire County does have equipment and resources available to respond to incidents involving hazardous materials.

The City of Eau Claire Fire Department Hazardous Materials Response Team serves as the State Regional Hazardous Materials Response Team and is available to provide hazardous materials response to communities in Eau Claire County.

Other local hazardous materials response resources include:

i. Eau Claire County Hazardous Materials Team located at: City of Eau Claire Fire Department

ii. Eau Claire County's Municipal Fire Departments are located at:
   - Altoona Fire Department
   - Augusta-Bridge Creek Fire Department
   - Boyd Fire Department
   - DNR Wildland Fire
   - Eau Claire Fire Department
   - Fairchild Fire Department
   - Fall Creek Area Fire District
   - Mondovi Fire Department
   - Osseo Rural Fire Department
   - Stanley Fire Department
   - Strum Fire Department
   - Township Fire Department

B. Technical Support

Safety Data Sheets (SDS) for the battery electrolyte solution with sulfuric acid present in Eau Claire County battery planning facilities are located in Attachment A of this plan for:

- Battery – Retail Sales
- Battery – UPS (uninterruptable power supply)
- Battery – Material Handling Equipment
- Battery – Mobility Equipment
- Battery – Other

The following entities may be of assistance in the event of an incident involving the battery electrolyte solution with sulfuric acid:

CHEMTREC	800-424-9300
National Response Center 24-hr phone number	800-424-8802
Wisconsin Emergency Management Duty Officer	715-829-8499
County Hazardous Materials Team	715-839-5013

IV. VULNERABILITY ANALYSIS

A. Battery Types

- Retail Sales
- UPS (uninterruptable power supply)
- Material Handling Equipment
- Mobility Equipment
- Other

B. Assumptions

Vulnerability Zones were determined using the CAMEO program as the result of a release of sulfuric acid from the largest battery or group of batteries within a 10-minute time period. Even in a worst-case scenario, it is improbable that all the electrolyte solution with sulfuric acid will be released at one time.

The worst-case scenario for battery facilities with sulfuric acid present in electrolyte solution would involve the following: the largest battery or shipment of batteries is destroyed during a catastrophic event releasing sulfuric acid in a 30% or less concentration battery electrolyte solution. According to calculations derived from using CAMEO for Hazard Analysis, a release of sulfuric acid in a 30% or less concentration would pose a hazard of less than 0.1 mile or 528 feet.

In a worst-case scenario (duration: 10 minutes; wind speed: 3.35 mph; ground: urban; stability class: F; LOC: 0.008 gm/m^3) a release of battery electrolyte solution with sulfuric acid would result in a vulnerability zone that would stay within the perimeter of the facility and would not affect any special facilities. Each battery planning facility that utilizes battery electrolyte solution with sulfuric acid has a facility on-site emergency plan. Access to the facilities creates no problems as all streets are two-way and are not major traffic routes.

V. EVACUATION/SHELTERING

The determination to shelter in place or evacuate will be made by the on-scene commander, as appropriate. Under some circumstances time may not allow for a 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.

General Evacuation/Shelter Procedures are covered in the Eau Claire County Emergency Response Plan (EOP) ESF 1 includes definitions of safety procedures and lists primary agencies and their responsibilities for shelter-in-place procedures. If evacuation is deemed necessary, experience indicates that shelter space would be needed for only 30% of the population within the initial isolation and evacuation zones and the remaining 70% would seek shelter with family or friends outside the risk zone.

VI. SPECIAL FACILITIES

No Special Facilities are affected. In a credible worst-case scenario, a release of battery electrolyte solution with sulfuric acid would result in a vulnerability zone that would stay within the perimeter of the facility and would not affect any special facilities. Each Battery planning facility utilizing batteries that contain electrolyte solution with sulfuric acid has a facility on-site emergency plan and designated hazardous materials clean up contractor.

VII. TRANSPORTATION/SPECIAL CONSIDERATIONS

Hazardous materials in transport move through Eau Claire County in significant quantities each day. There is one major interstate highway, I94, and several major state highways. A Transportation Route Map of Eau Claire County is included in Attachment B.

Note: There are no local ordinances in Eau Claire County that mandate specific routes for vehicles carrying EHSs. Thus, EHSs may be transported over any local, state, or federal highway for which weight limits are met.

VIII. DISTRIBUTION LIST

Facilities
Local Fire Department(s)
Eau Claire County Emergency Management/Local Emergency Planning Committee
Eau Claire County Hazmat Team
Wisconsin Emergency Management West Central Regional Office

Attachment A – Sulfuric Acid Safety Data Sheet (SDS)

SAFETY DATA SHEET

Version 6.20
Revision Date 09/06/2024
Print Date 09/07/2024

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name : Sulfuric acid

Product Number : 339741
Brand : Aldrich
Index-No. : 016-020-00-8
CAS-No. : 7664-93-9

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Synthesis of substances

Uses advised against : The product is being supplied under the TSCA R&D Exemption (40 CFR Section 720.36). It is the recipient's responsibility to comply with the requirements of the R&D exemption. The product may not be used for a non-exempt commercial purpose under TSCA unless appropriate consent is granted in writing by MilliporeSigma.

1.3 Details of the supplier of the safety data sheet

Company : Sigma-Aldrich Inc.
3050 SPRUCE ST
ST. LOUIS MO 63103
UNITED STATES

Telephone : +1 314 771-5765
Fax : +1 800 325-5052

1.4 Emergency telephone

Emergency Phone # : 800-424-9300 CHEMTREC (USA) +1-703-527-3887 CHEMTREC (International) 24 Hours/day; 7 Days/week

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Corrosive to Metals (Category 1), H290
Skin corrosion (Category 1A), H314
Serious eye damage (Category 1), H318

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram

Signal Word: Danger

Hazard Statements

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.

Precautionary Statements

P234	Keep only in original container.
P264	Wash skin thoroughly after handling.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P310	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
P305 + P351 + P338 + P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P363	Wash contaminated clothing before reuse.
P390	Absorb spillage to prevent material damage.
P405	Store locked up.
P406	Store in corrosive resistant container with a resistant inner liner.
P501	Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

SECTION 3: Composition/information on ingredients

3.1 Substances

Formula	:	H_2O_4S
Molecular weight	:	98.08 g/mol
CAS-No.	:	7664-93-9
EC-No.	:	231-639-5
Index-No.	:	016-020-00-8

Component	Classification	Concentration
sulphuric acid		
	Met. Corr. 1; Skin Corr. 1A; Eye Dam. 1; H290, H314, H318 Concentration limits: >= 0.3 %: Met. Corr. 1,	<= 100 %

	H290; >= 15 %: Skin Corr. 1A, H314; 5 - < 15 %: Skin Irrit. 2, H315; 5 - < 15 %: Eye Irrit. 2, H319;	

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice
First aiders need to protect themselves. Show this material safety data sheet to the doctor in attendance.

If inhaled
After inhalation: fresh air. Call in physician.

In case of skin contact
In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Call a physician immediately.

In case of eye contact
After eye contact: rinse out with plenty of water. Immediately call in ophthalmologist. Remove contact lenses.

If swallowed
After swallowing: make victim drink water (two glasses at most), avoid vomiting (risk of perforation). Call a physician immediately. Do not attempt to neutralise.

4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed
No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media
For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture
Sulfur oxides
Not combustible.
Ambient fire may liberate hazardous vapours.

5.3 Advice for firefighters
Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

5.4 Further information
Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.
For personal protection see section 8.

6.2 Environmental precautions
Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up
Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent and neutralising material (e.g. Chemizorb® H^+, Merck Art. No. 101595). Dispose of properly. Clean up affected area.

6.4 Reference to other sections
For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions
No metal containers.
Tightly closed.

Storage class
Storage class (TRGS 510): 8B: Non-combustible, corrosive hazardous materials

7.3 Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with workplace control parameters

Component	CAS-No.	Value	Control parameters	Basis
sulphuric acid	7664-93-9	TWA	0.2 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
		TWA	1 mg/m3	USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)
		TWA	1 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants

8.2 Exposure controls

Appropriate engineering controls
Change contaminated clothing and immerse in water. Preventive skin protection Wash hands and face after working with substance.

Personal protective equipment

Eye/face protection
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Tightly fitting safety goggles

Skin protection
This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN 16523-1 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).
Full contact
Material: Viton®
Minimum layer thickness: 0.7 mm
Break through time: 480 min
Material tested:Vitoject® (KCL 890 / Aldrich Z677698, Size M)

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN 16523-1 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).
Splash contact
Material: butyl-rubber
Minimum layer thickness: 0.7 mm
Break through time: 120 min
Material tested:Butoject® (KCL 898)

Body Protection
Acid-resistant protective clothing

Respiratory protection
Recommended Filter type: Filter type P2
The entrepeneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer.
These measures have to be properly documented.

required when vapours/aerosols are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Control of environmental exposure
Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a)	Appearance	Form: clear, liquid Color: colorless
b)	Odor	odorless
c)	Odor Threshold	Not applicable
d)	pH	1.2 at 5 g/l
e)	Melting point/freezing point	Melting point: 10.31 °C (50.56 °F)
f)	Initial boiling point and boiling range	290 °C 554 °F - lit.
g)	Flash point	()No data available
h)	Evaporation rate	No data available
i)	Flammability (solid, gas)	No data available
j)	Upper/lower flammability or explosive limits	No data available
k)	Vapor pressure	1.33 hPa at 145.8 °C (294.4 °F)
l)	Vapor density	3.39 - (Air = 1.0)
m)	Density	1.84 g/cm3 at 25 °C (77 °F) - lit.
	Relative density	No data available
n)	Water solubility	soluble
o)	Partition coefficient: n-octanol/water	Not applicable for inorganic substances
p)	Autoignition temperature	No data available
q)	Decomposition temperature	No data available
r)	Viscosity	No data available
s)	Explosive properties	No data available
t)	Oxidizing properties	none

9.2 Other safety information

Surface tension	55.1 mN/m at 20 °C (68 °F)
Relative vapor density	3.39 - (Air = 1.0)

SECTION 10: Stability and reactivity

10.1 Reactivity
No data available

10.2 Chemical stability
The product is chemically stable under standard ambient conditions (room temperature) .

10.3 Possibility of hazardous reactions
A risk of explosion and/or of toxic gas formation exists with the following substances:
Water
Alkali metals
alkali compounds
Ammonia
Aldehydes
acetonitrile
Alkaline earth metals
alkalines
Acids
alkaline earth compounds
Metals
metal alloys
Oxides of phosphorus
phosphorus
hydrides
halogen-halogen compounds
oxyhalogenic compounds
permanganates
nitrates
carbides
combustible substances
organic solvent
acetylidene
Nitriles
organic nitro compounds
anilines
Peroxides
picrates
nitrides
lithium silicide
iron(III) compounds
bromates
chlorates
Amines

perchlorates
hydrogen peroxide

10.4 Conditions to avoid
no information available

10.5 Incompatible materials
animal/vegetable tissuesContact with metals liberates hydrogen gas.

10.6 Hazardous decomposition products
In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity
LD50 Oral - Rat - male and female - 2,140 mg/kg
Remarks: (ECHA)
Inhalation: No data available
Dermal: No data available

Skin corrosion/irritation
Skin - Rabbit
Result: Extremely corrosive and destructive to tissue.
Remarks: (IUCLID)

Serious eye damage/eye irritation
Remarks: Causes serious eye damage.

Respiratory or skin sensitization
No data available

Germ cell mutagenicity
Test Type: Ames test
Test system: Salmonella typhimurium
Result: negative
Remarks: (HSDB)

Carcinogenicity
No data available

IARC:	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
NTP:	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA:	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Reproductive toxicity
No data available

Specific target organ toxicity - single exposure
No data available

Specific target organ toxicity - repeated exposure
No data available

Aspiration hazard
No data available

11.2 Additional Information

RTECS: WS5600000
Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting, Pulmonary edema. Effects may be delayed.
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

After inhalation of aerosols: damage to the affected mucous membranes. After skin contact: severe burns with formation of scabs. After eye contact: burns, corneal lesions. After swallowing: severe pain (risk of perforation!), nausea, vomiting and diarrhoea. After a latency period of several weeks possibly pyloric stenosis.

Other dangerous properties can not be excluded.

Handle in accordance with good industrial hygiene and safety practice.

Stomach - Irregularities - Based on Human Evidence

Stomach - Irregularities - Based on Human Evidence

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to daphnia and other aquatic invertebrates	static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h (OECD Test Guideline 202)
Toxicity to algae	static test ErC50 - Desmodesmus subspicatus (green algae) - > 100 mg/l - 72 h (OECD Test Guideline 201)

12.2 Persistence and degradability
The methods for determining the biological degradability are not applicable to inorganic substances.

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

Biological effects:
Harmful effect due to pH shift.
Caustic even in diluted form.
Does not cause biological oxygen deficit.
Endangers drinking-water supplies if allowed to enter soil and/or waters in large quantities.
Neutralisation possible in waste water treatment plants.
Discharge into the environment must be avoided.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

SECTION 14: Transport information

DOT (US)

UN number: 1830 Class: 8 Packing group: II
Proper shipping name: Sulfuric acid
Reportable Quantity (RQ): 1000 lbs
Poison Inhalation Hazard: No

IMDG

UN number: 1830 Class: 8 Packing group: II EMS-No: F-A, S-B
Proper shipping name: SULPHURIC ACID

IATA

UN number: 1830 Class: 8 Packing group: II
Proper shipping name: Sulphuric acid

SECTION 15: Regulatory information

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
sulphuric acid	7664-93-9	1000	1000

SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
sulphuric acid	7664-93-9	1000	1000

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

Components	CAS-No.	Component TPQ (lbs)
sulphuric acid	7664-93-9	1000

SARA 311/312 Hazards : Acute Health Hazard
Chronic Health Hazard

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

sulphuric acid 7664-93-9 >= 90 - <= 100 %

US State Regulations

Massachusetts Right To Know

sulphuric acid 7664-93-9

Pennsylvania Right To Know

sulphuric acid 7664-93-9

Maine Chemicals of High Concern

Product does not contain any listed chemicals

Vermont Chemicals of High Concern

Product does not contain any listed chemicals

Washington Chemicals of High Concern

Product does not contain any listed chemicals

California Prop. 65

WARNING: This product can expose you to chemicals including sulphuric acid, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

The ingredients of this product are reported in the following inventories:

TSCA : All substances listed as active on the TSCA inventory

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16: Other information

Further information

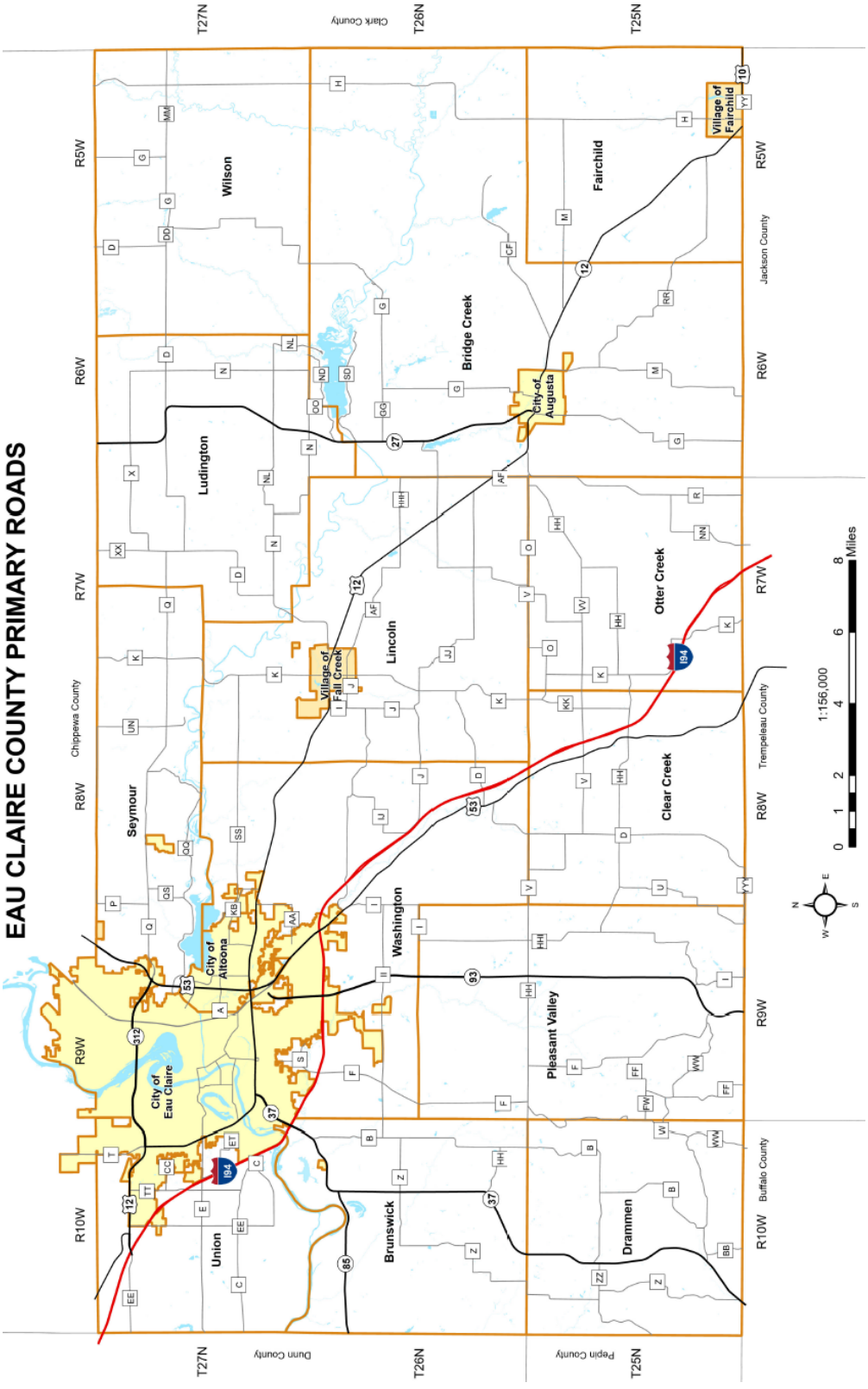
The information is believed to be correct but is not exhaustive and will be used solely as a guideline, which is based on current knowledge of the chemical substance or mixture and is applicable to appropriate safety precautions for the product. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

The branding on the header and/or footer of this document may temporarily not visually match the product purchased as we transition our branding. However, all of the information in the document regarding the product remains unchanged and matches the product ordered. For further information please contact mlsbranding@sial.com.

Version: 6.20 Revision Date: 09/06/2024 Print Date: 09/07/2024

Attachment B – Maps

Transportation Route Map



Attachment C – Facility Battery Plans

Appendix for Each Battery Planning Facility

Section II. includes the table of Sulfuric Acid battery planning facilities located within Eau Claire County that meet the requirements of this County Wide Sulfuric Acid Battery Plan. Each of the facilities identified in Section II. have abbreviated sulfuric acid battery plans/appendices present in WHOPRS that includes the facility specific information with regard to their EHS Sulfuric Acid batteries. This Attachment includes Appendices for all facilities identified in Section II.

Planning Cycle

Facility Appendices will be updated during the fiscal year that the facility is scheduled for renewal based on the planning cycle of an update every three years set by Eau Claire County Emergency Management. A listing of facilities and their most recent and upcoming renewal dates are listed below. Note: Facilities that are bolded are being updated in this plan.

Facility ID	Facility	Last Updated	Next Update
120264	American Phoenix, Inc.	FFY 2023	FFY 2026
933	AT&T Enterprise – PK0116	FFY 2024	FFY 2027
202533	**Core-Mark Eau Claire**	**FFY 2024**	**FFY 2025**
203328	Costco Wholesale #1664	NEW	FFY 2027
203435	Dakota Supply Group	NEW	FFY 2026
64496	**Eau Claire Cooperative Oil Company**	**FFY 2022**	**FFY 2025**
202685	**Ferguson – 1676**	**FFY 2022**	**FFY 2025**
201315	**First Supply LLC – Eau Claire**	**FFY 2022**	**FFY 2025**
202051	**Fleet Farm**	**FFY 2022**	**FFY 2025**
196827	Great Lakes Coca Cola Eau Claire Distribution	FFY 2024	FFY 2027
150125	Hutchinson Technology	FFY 2024	FFY 2027
137176	Indianhead Foodservice Distributor	FFY 2024	FFY 2027
601127	Mayo Clinic Health System– Northwest Wisconsin Region	FFY 2023	FFY 2026
173687	**MCI (EUCRWI)(WIEUCRWI)**	**FFY 2022**	**FFY 2025**
143371	Menard, Inc – Eau Claire	FFY 2024	FFY 2027
202918	Nestle Healthcare Nutrition	FFY 2023	FFY 2026
161165	Sam's Club	FFY 2023	FFY 2026
200730	Silver Spring Foods	FFY 2023	FFY 2026
161672	Wal-Mart #1669	FFY 2023	FFY 2026
198598	**WI_4410_Charter Communications_ Eau Claire**	**FFY 2022**	**FFY 2025**
199193	Wisconsin Bell – P10602	FFY 2024	FFY 2027
13019	Wisconsin Bell – PK0106	FFY 2024	FFY 2027
203447	WSC Eau Claire	NEW	FFY 2025
99570	Xcel Energy – Eau Claire Substation	FFY 2024	FFY 2027

ATTACHMENT C, APPENDIX FOR FACILITY ID #120264

American Phoenix, Inc.
800 Wisconsin Street, Mailbox 11
Eau Claire, Wisconsin 54703

Facility Coordinator:
Mike Seeley
Engineering Manager
Work #: 715-861-4004
24 Hour #: 715-271-3573
Email: mseeley@apimix.net

1st Alternate Coordinator:
Bill Tealey
Safety Manager
Work #: 715-831-1799
24 Hr. #: 715-559-3079
Email: btealey@apimix.net

Extremely Hazardous Substance Present:

CAS. NO	CHEMICAL	MAX. AMT.	VUL.ZONE
7664-93-9	*Sulfuric Acid	30,000 lbs.	< 0.1 mi.

*EPA Extremely Hazardous Substance

Assumptions: American Phoenix, Inc. is a rubber mixing facility. Sulfuric Acid is used in electrolyte of batteries in their forklifts. Batteries are replaced at the end of their life cycle in accordance with local, state, and federal law. Sulfuric acid is present at 30,000 lbs. in a concentration of 25% or less, battery electrolyte solution. The credible worst-case scenario involves a release of 30,000 lbs. of sulfuric acid in battery electrolyte solution at a concentration of 25% or less. The result is a vulnerability zone that would stay within the perimeters of the facility and would not affect any special facilities off-site. The maximum number of employees affected is 180.

Scenario: The credible worst-case scenario for release would involve the largest battery/group of interconnected batteries that is damaged during operation or delivery releasing 30,000 lbs. of sulfuric acid in a concentration of 25% or less in a battery electrolyte solution. According to calculations derived from using Cameo for Hazard Analysis, the release would pose a hazard of <0.1 mile or 528 feet.

Primary Emergency Responders:

Eau Claire County Sheriff's Office	715-839-4972
Eau Claire Fire Department	715-839-5013
Eau Claire Fire Department EMS	715-839-5013
Eau Claire County Emergency Management	715-829-8499

Special Resources Available at / from facility:

- The facility maintains a facility on-site emergency plan
- Fire sprinkler systems located throughout the building
- 365,000-gallon fire tank and fire pump systems for fire suppression

Special Resources Needed for Response:

The facility will not respond to hazardous materials emergency but will evacuate the facility and await the response to their 911 call.

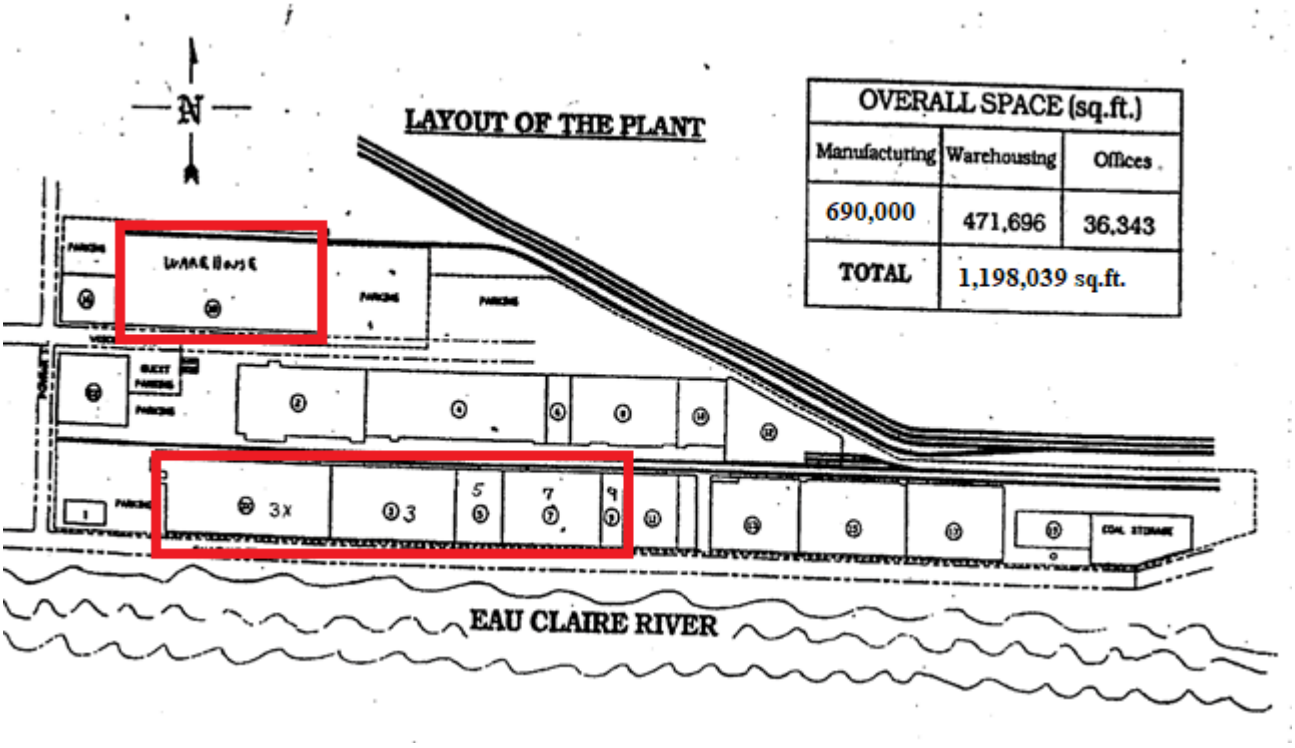
General:

American Phoenix, Inc operates 24x7 shifts. There is an average of 180 employees on site between Day-Night (7:00am-7:00pm) and 60 employees on site Night-Day (7:00pm-7:00am).

Special Considerations:

None

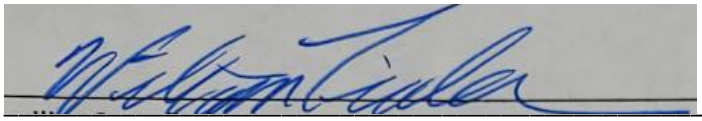
Facility Map Identifying Sulfuric Acid Storage:



NEW [X] UPDATE [ ] FINAL UPDATE [ ]

Facility Signatures:

I have reviewed the attached plan and to the best of my knowledge, all facility information is true, accurate, and complete. The plan is consistent with facility emergency plans and procedures.

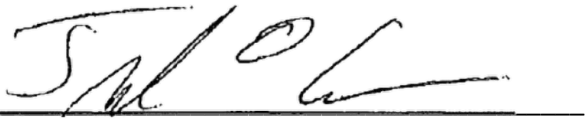


Facility Coordinator — Date: 04/05/2023

County Signatures:

I have reviewed the attached plan and to the best of my knowledge, all information is true, accurate, and complete.

County Local Emergency Planning Committee Chair — Date: 5/18/23



County Emergency Management Director — Date: 5/18/23

ATTACHMENT C, APPENDIX FOR FACILITY ID #933 **R9/2024**

AT&T PK0116
310 N DEWEY ST
EAU CLAIRE, WI 54703

Facility Coordinator:
Darren Merhalski
Property Manager
Work #: 262-225-6965
24 Hr. #: 920-939-1175
Email: dm488q@att.com

1st Alternate Coordinator:
Jeremy McGrue
National EPCRA Manager
Work #: 469-295-2319
24 Hour #: 800-566-9357
Email: jeremy.mcgrue@att.com

Extremely Hazardous Substance Present:

CAS. NO	CHEMICAL	MAX. AMT.	VUL.ZONE
7664-93-9	*Sulfuric Acid	4,468 lbs.	< 0.1 mi.

*EPA Extremely Hazardous Substance

Assumptions: This AT&T Facility provides backup power during power failures. The facility will operate for five to eight hours on battery without a generator. With generator power the facility can maintain service for an extended time as long as fuel is available. Sulfuric acid is present at 7,968 lbs. in a concentration of 30% or less, battery electrolyte solution. While the facility has 7,968 lbs. of sulfuric acid on site, the amount in the largest container is 45 lbs. The credible worst-case scenario involves a release of 45 lbs. of sulfuric acid in battery electrolyte solution at a concentration of 30% or less. The result is a vulnerability zone that would stay within the perimeters of the facility and would not affect any special facilities off-site. The maximum number of employees affected is 1.

Scenario: The credible worst-case scenario for release would involve the largest battery/group of interconnected batteries that is damaged during operation or delivery releasing 45 lbs. of sulfuric acid in a concentration of 30% or less in a battery electrolyte solution. According to calculations derived from using Cameo for Hazard Analysis, the release would pose a hazard of <0.1 mile or 528 feet.

Primary Emergency Responders:

City of Eau Claire Police Department	715-839-4972
Eau Claire Fire Department	715-839-5013
Eau Claire Fire Department EMS	715-839-5013
Eau Claire County Emergency Management	715-829-8499

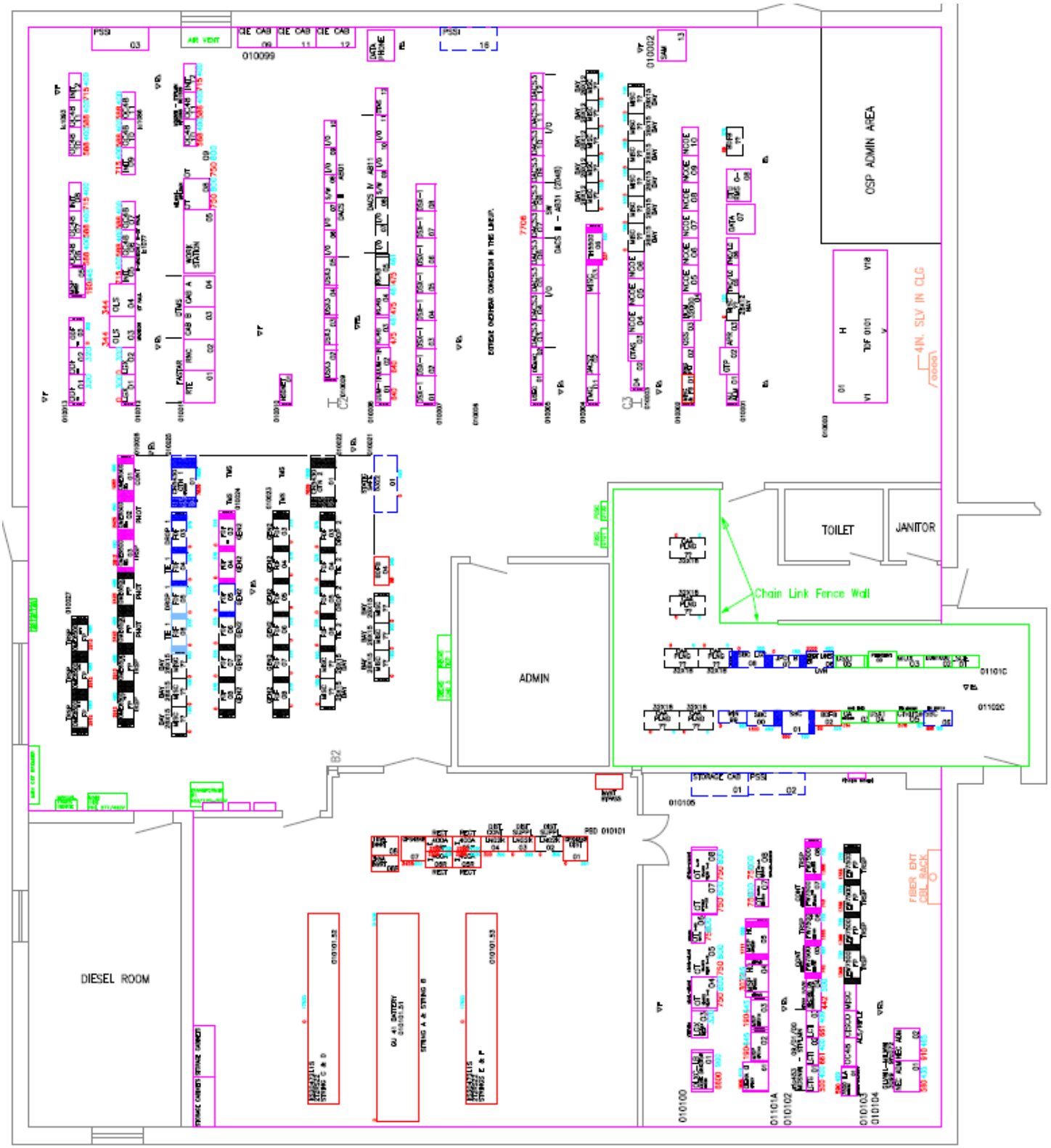
Special Resources Available at / from facility:
- Monitored by two off-site alarm systems
- Spill kit

Special Resources Needed for Response:
The facility will not respond to hazardous materials emergency but will evacuate the facility and await the response to their 911 call.

General:
AT&T PK0116 operates 5 days per week, 8:00 a.m. – 4:30 p.m.

Special Considerations:
None

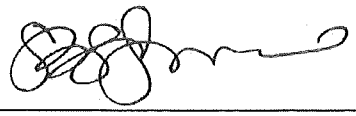
Facility Map Identifying Sulfuric Acid Storage:



NEW [X] UPDATE [ ] FINAL UPDATE [ ]

Facility Signatures:

I have reviewed the attached plan and to the best of my knowledge, all facility information is true, accurate, and complete. The plan is consistent with facility emergency plans and procedures.

Jeremy McGrue  1/10/2024

Facility Coordinator Date

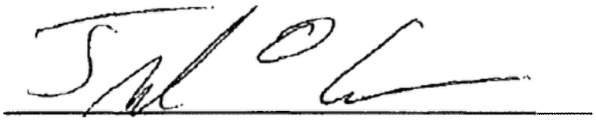
County Signatures:

I have reviewed the attached plan and to the best of my knowledge, all information is true, accurate, and complete.

County Local Emergency Planning Committee Chair

5-1-24

Date



County Emergency Management Director

5-1-24

Date

ATTACHMENT C, APPENDIX FOR FACILITY ID #202533
CORE-MARK EAU CLAIRE
2516 PROSPECT DR
EAU CLAIRE, WI 54703

Facility Coordinator:
Anthony Smith
Director of Operations
Work #: 715-874-2731
24 Hr. #: 502-202-1977
Email: anthony.smith@pfgc.com

1st Alternate Coordinator:
Jason McQueen
Safety Supervisor
Work #: 715-874-2711
24 Hour #: 316-288-3911
Email: Jason.mcqueen@pfgc.com

Extremely Hazardous Substance Present:

CAS. NO	CHEMICAL	MAX. AMT.	VUL.ZONE
7664-93-9	*Sulfuric Acid	3,598 lbs.	< 0.1 mi.

*EPA Extremely Hazardous Substance

Assumptions: Core-Mark Eau Claire is a merchant wholesale facility that utilizes battery operated forklifts containing EHS sulfuric acid. Sulfuric acid is present at 3,598 lbs. in a concentration of 9% or less, battery electrolyte solution. The credible worst-case scenario involves a release of 222 lbs. of sulfuric acid in battery electrolyte solution at a concentration of 9% or less. The result is a vulnerability zone that would stay within the perimeters of the facility and would not affect any special facilities off-site. The maximum number of employees affected is 90.

Scenario: The credible worst-case scenario for release would involve the largest battery that is damaged during operation or delivery releasing 222 lbs. of sulfuric acid in a concentration of 9% or less in a battery electrolyte solution. According to calculations derived from using Cameo for Hazard Analysis, the release would pose a hazard of <0.1 mile or 528 feet.

Primary Emergency Responders:

City of Eau Claire Police Department	715-839-4972
Eau Claire Fire Department	715-839-5013
Eau Claire Fire Department EMS	715-839-5013
Eau Claire County Emergency Management	715-829-8499

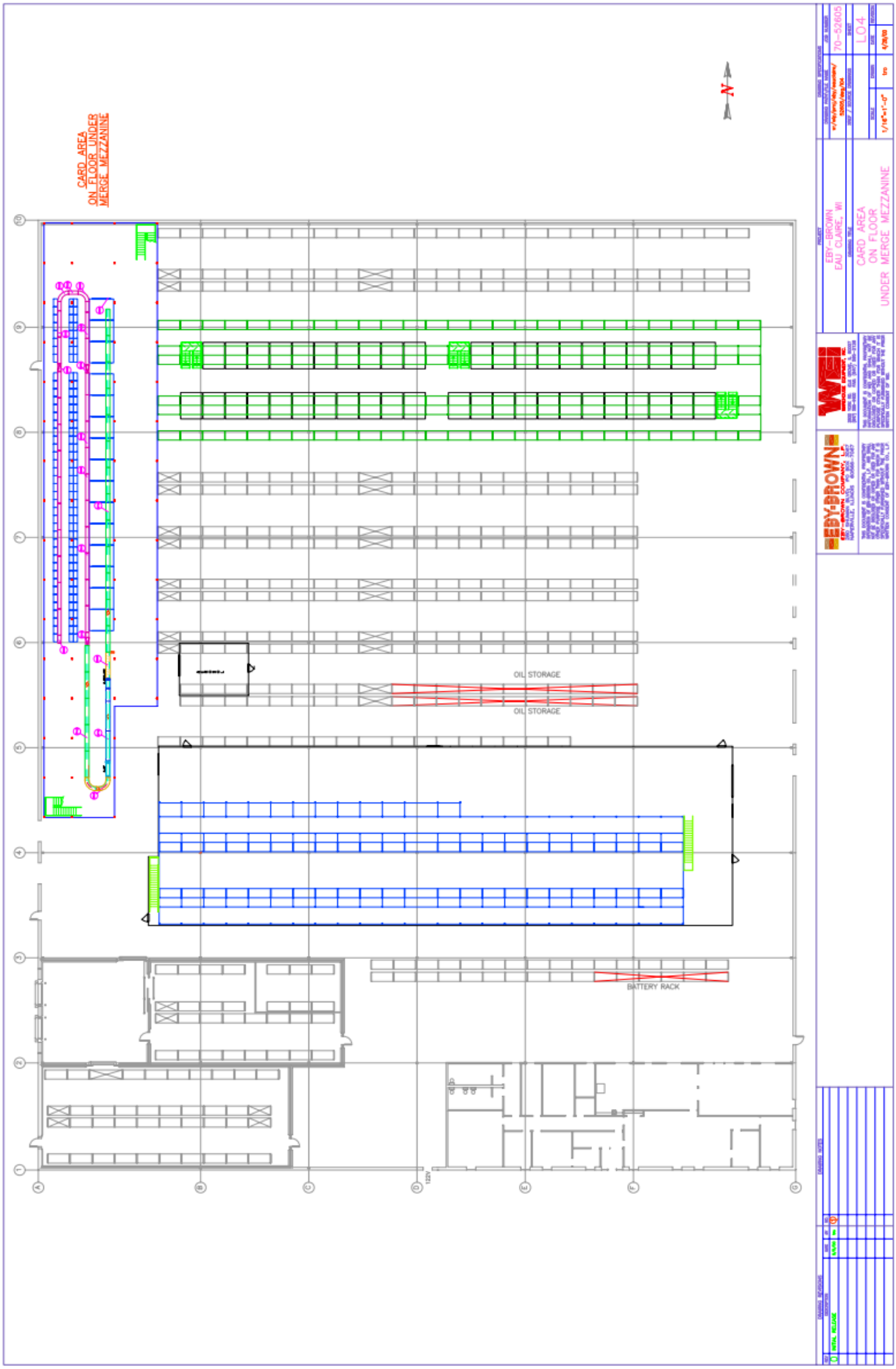
Special Resources Available at / from facility:
- The facility maintains a facility on-site emergency plan
- Absorbents and Neutralizers

Special Resources Needed for Response:
The facility will not respond to hazardous materials emergency but will evacuate the facility and await the response to their 911 call.

General:
Core-Mark operates 24 hours/7 days week.

Special Considerations:
None

Facility Map Identifying Sulfuric Acid Storage:



NEW [ ] UPDATE [X] FINAL UPDATE [ ]

Facility Signatures:

I have reviewed the attached plan and to the best of my knowledge, all facility information is true, accurate, and complete. The plan is consistent with facility emergency plans and procedures.

Facility Coordinator — Date: 3-5-25

County Signatures:

I have reviewed the attached plan and to the best of my knowledge, all information is true, accurate, and complete.

County Local Emergency Planning Committee Chair — Date

County Emergency Management Director — Date

ATTACHMENT C, APPENDIX FOR FACILITY ID #203328
COSTCO WHOLESALE #1664
1420 BLACK AVE
EAU CLAIRE, WI 54703

R9/2024

Facility Coordinator:
Shawney McMillian
Warehouse Manager
Work #: 715-598-6755
24 Hr. #: 952-261-6972
Email: w01664mgr@costco.com

1st Alternate Coordinator:
Jordan Gonzalez
Assistant Warehouse Manager
Work #: 715-598-6755
24 Hour #: 920-850-0611
Email: w01664mgr3@costco.com

Extremely Hazardous Substance Present:

CAS. NO	CHEMICAL	MAX. AMT.	VUL.ZONE
7664-93-9	*Sulfuric Acid	1,262.24 lbs.	< 0.1 mi.

*EPA Extremely Hazardous Substance

Assumptions: Costco Wholesale #1664 is a membership-only warehouse chain that sells bulk groceries, electronics, and home goods. Lead-acid batteries are used for mix purposes facility-wide. Sulfuric acid is present at 1,262.24 lbs. in a concentration of 30% or less, battery electrolyte solution. The credible worst-case scenario involves a release of 155.7 lbs. of sulfuric acid in battery electrolyte solution at a concentration of 30% or less. The result is a vulnerability zone that would stay within the perimeters of the facility and would not affect any special facilities off-site. The maximum number of employees and occupants affected is 2,264.

Scenario: The credible worst-case scenario for release would involve the largest battery/group of interconnected batteries that is damaged during operation or delivery releasing 155.7 lbs. of sulfuric acid in a concentration of 30% or less in a battery electrolyte solution. According to calculations derived from using Cameo for Hazard Analysis, the release would pose a hazard of <0.1 mile or 528 feet.

Primary Emergency Responders:

Eau Claire Police Department	715-839-4972
Eau Claire Fire Department	715-839-5013
Eau Claire Fire Department EMS	715-839-5013
Eau Claire County Emergency Management	715-829-8499

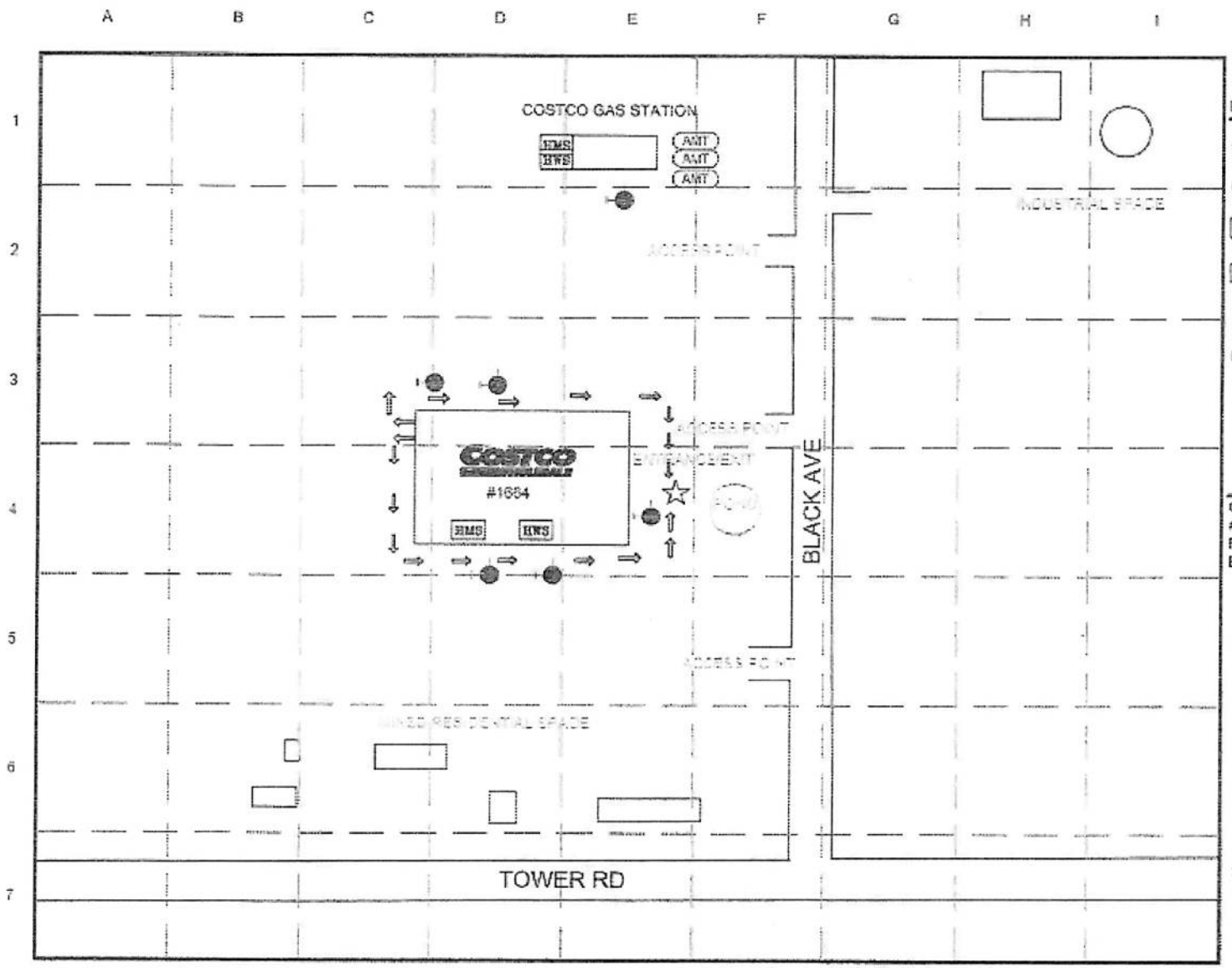
Special Resources Available at / from facility:
- The facility maintains a facility on-site emergency plan
- Spill Kit
- Splash Apron, Face Shields, Gloves and Goggles
- Absorbents and Neutralizers

Special Resources Needed for Response:
The facility will not respond to hazardous materials emergency but will evacuate the facility and await the response to their 911 call.

General:
Costco is open and staffed Monday – Friday 10:00 a.m. – 8:30 p.m.; Saturday 9:00 a.m. – 8:30 p.m.; and Sunday 10:00 a.m. – 6:00 p.m.

Special Considerations:
None

WISCONSIN ANNOTATED SITE MAP	BUSINESS NAME: COSTCO WHOLESALE #1664	SITE ADDRESS: 1420 BLACK AVE EAU CLAIRE, WI 54703	MAP #1 OF 1



NORTH

SCALE: NOT TO SCALE
DATE: 12/04/2023

LEGEND

- SAFE REFUGE AREA
- FIRE HYDRANT
- HMS — HAZARDOUS MATERIALS STORAGE
- HWS — HAZARDOUS WASTE STORAGE
- AMT — UNDERGROUND STORAGE TANK
- EVACUATION ROUTE

COSTCO WHOLESALE #1664 IS ACCESSIBLE FROM TOWER RD AND BLACK AVE

PREPARED BY: 3E

NEW [X] UPDATE [ ] FINAL UPDATE [ ]

Facility Signatures:

I have reviewed the attached plan and to the best of my knowledge, all facility information is true, accurate, and complete. The plan is consistent with facility emergency plans and procedures.

Facility Coordinator — Date: 7/11/24

County Signatures:

I have reviewed the attached plan and to the best of my knowledge, all information is true, accurate, and complete.

County Local Emergency Planning Committee Chair — Date: 9/19/24

County Emergency Management Director — Date: 9/19/24

ATTACHMENT C, APPENDIX FOR FACILITY ID 203435 **R9/2024**

DAKOTA SUPPLY GROUP
3413 TRUAX COURT
EAU CLAIRE, WI 54703

Facility Coordinator:
Michael Place
Safety Manager
Work #: 701-237-9440 ext. 1602
24 Hr. #: 701-526-6440
Email: mike.place@dsgsuppply.com

1st Alternate Coordinator:
Karl Wrobel
General Manager
Work #: 608-781-2000 ext. 8871
24 Hour #: 608-397-7528
Email: karl.krobel@dsgsupply.com

Extremely Hazardous Substance Present:

CAS. NO	CHEMICAL	MAX. AMT.	VUL.ZONE
7664-93-9	*Sulfuric Acid	4880 lbs.	< 0.1 mi.

*EPA Extremely Hazardous Substance

Assumptions: Dakota Supply Group is a distribution facility that utilizes battery operated material handling equipment and stores batteries containing EHS sulfuric acid. Sulfuric acid is present at 4880 lbs. in a concentration of 44% (average 25%) or less, battery electrolyte solution. The credible worst-case scenario involves a release of 2440 lbs. of sulfuric acid in battery electrolyte solution at a concentration of 44% or less. The result is a vulnerability zone that would stay within the perimeters of the facility and would not affect any special facilities off-site. The maximum number of employees affected is 10.

Scenario: The credible worst-case scenario for release would involve the largest battery/group of interconnected batteries that is damaged during operation or delivery releasing 2440 lbs. of sulfuric acid in a concentration of 44% or less in a battery electrolyte solution. According to calculations derived from using Cameo for Hazard Analysis, the release would pose a hazard of <0.1 mile or 528 feet.

Primary Emergency Responders:

Eau Claire Police Department	715-839-4972
Eau Claire Fire Department	715-839-5013
Eau Claire Fire Department EMS	715-839-5013
Eau Claire County Emergency Management	715-829-8499

Special Resources Available at / from facility:

- The facility maintains a facility on-site emergency plan
- Spill Kit & Sewer Cover
- Splash Apron, Face Shields, Gloves and Goggles
- Absorbents and Neutralizers

Special Resources Needed for Response:

The facility will not respond to hazardous materials emergency but will evacuate the facility and await the response to their 911 call. The facility's hazardous materials contractor is WRR Environmental Services (5200 Ryder Road, Eau Claire WI 54701, 715-834-9624).

General:

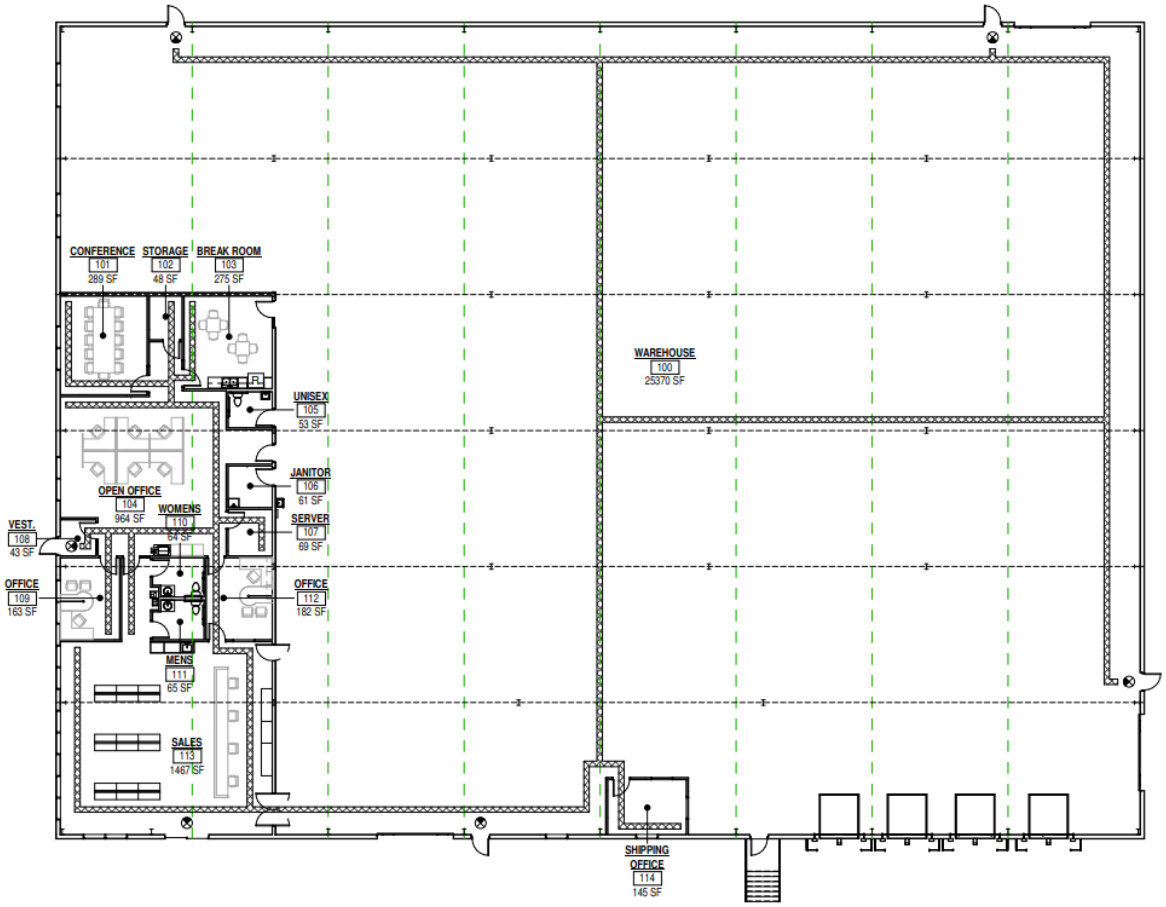
Dakota Supply Group operates 5 days per week (Monday-Friday) 6:30am-5:00pm.

Special Considerations:

None

Facility Map Identifying Sulfuric Acid Storage:

Charging stations in NW corner of building (west of the door below this caption



N

2 CODE COMPLIANCE PLAN

1/16" = 1'-0"

Electric machines, when not being charged, are parked in the shipping area to the north/west of the shipping office (located directed above this caption)

NEW [X] UPDATE [ ] FINAL UPDATE [ ]

Facility Signatures:

I have reviewed the attached plan and to the best of my knowledge, all facility information is true, accurate, and complete. The plan is consistent with facility emergency plans and procedures.

√ Michael Place (e-sign acknowledgment)	4/3/2024
Facility Coordinator	Date

County Signatures:

I have reviewed the attached plan and to the best of my knowledge, all information is true, accurate, and complete.

	5-1-24
County Local Emergency Planning Committee Chair	Date
	5-1-24
County Emergency Management Director	Date

ATTACHMENT C, APPENDIX FOR FACILITY ID #64496
Eau Claire Cooperative Oil Company
4970 Kane Road
Eau Claire, WI 54703

Facility Coordinator:
Scott Sedlacek
Director of Manufacturing
Work #: 715-876-6400
24 Hour #: 608-630-6066
Email: ssedlacek@ecgrow.com

1st Alternate Coordinator:
Tim Hays
Human Resources
Work #: 715-876-6422
24 Hr. #: 715-579-0821
Email: thays@eccoop.com

Extremely Hazardous Substance Present:

CAS. NO	CHEMICAL	MAX. AMT.	VUL.ZONE
7664-93-9	*Sulfuric Acid	3,196 lbs.	< 0.1 mi.

*EPA Extremely Hazardous Substance

Assumptions: Eau Claire Cooperative Oil Company provides a variety of services including fertilizer, ice melt products, fuel oil, and other home energy products. Sulfuric Acid is used in electrolyte of batteries in their forklifts. The hazard analysis determined this sulfuric acid to be the major chemical hazard present at the facility. Sulfuric Acid is present at 3,196 lbs. in a concentration of 19% or less, battery electrolyte solution. The credible worst-case scenario involves a release of 305 lbs. of Sulfuric Acid in battery electrolyte solution. The result is a vulnerability zone that would stay within the perimeters of the facility and would not affect any special facilities off-site. The maximum number of employees affected is an average of 152.

Scenario: The credible worst-case scenario for release would involve the largest battery that would either fail or be damaged during operation or delivery releasing 305 lbs. of Sulfuric Acid in a concentration of 19% or less in a battery electrolyte solution. According to calculations derived from using Cameo for Hazard Analysis, the release would pose a hazard of <0.1 mile or 528 feet.

Primary Emergency Responders:

Eau Claire County Sheriff's Office	715-839-4972
Township Fire Department	715-834-6868
Eau Claire Fire Department EMS	715-839-5013
Emergency Management	715-829-8499

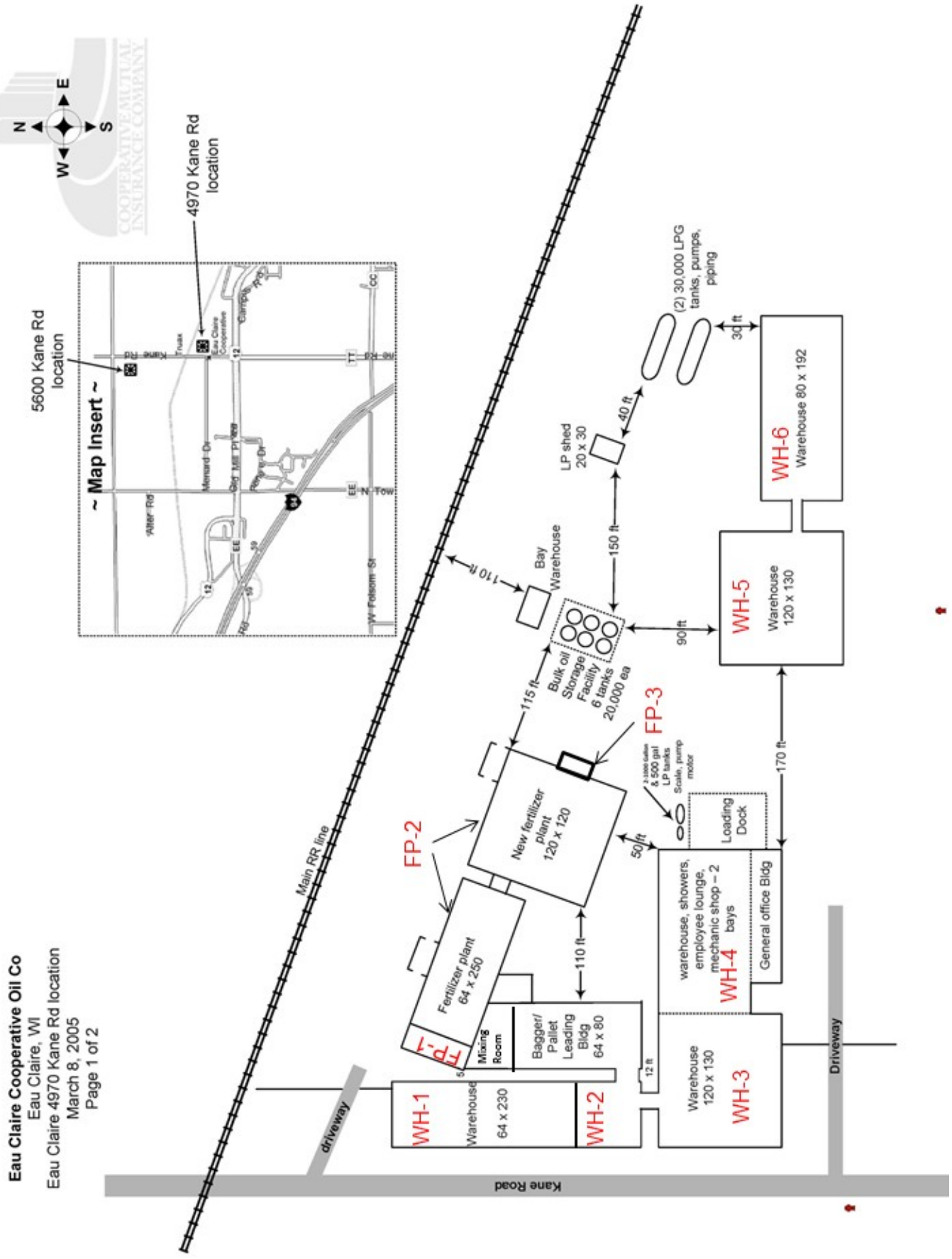
Special Resources Available at / from facility:
Internal training to help staff identify and handle a leak is ongoing. This training is also being used to identify appropriate PPE and other supplies needed to handle a leak. Eau Claire Cooperative has color-metric indicator tubes for the detection of Sulfuric Acid.

Special Resources Needed for Response:
The facility will not respond to hazardous materials emergency but will evacuate the facility and await the response to their 911 call. Access to the facility is done by entering two gates on Kane Road.

General:
Eau Claire Cooperative Oil Company operates two shifts. There is an average of 154 employees on site between Monday-Friday (6AM-3PM) and Monday-Thursday (3PM-2AM) shifts.

Special Considerations:
None

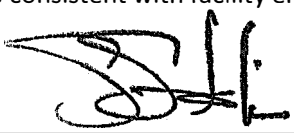
Facility Map Identifying Sulfuric Acid Storage:



NEW [ ] UPDATE [X] FINAL UPDATE [ ]

Facility Signatures:

I have reviewed the attached plan and to the best of my knowledge, all facility information is true, accurate, and complete. The plan is consistent with facility emergency plans and procedures.



Facility Coordinator

3/5/25

Date

County Signatures:

I have reviewed the attached plan and to the best of my knowledge, all information is true, accurate, and complete.

County Local Emergency Planning Committee Chair

Date

County Emergency Management Director

Date

ATTACHMENT C, APPENDIX FOR FACILITY ID #202685
Ferguson - 1676
2626 Truax Boulevard
Eau Claire, WI 54703

Facility Coordinator:
Michael Marine
Branch Manager
Work #: 715-835-8128
24 Hr. #: 715-835-8128
Email: Michael.Marine@ferguson.com

1st Alternate Coordinator:
HazMat/Chemical Spill Hotline
Contracted Emergency Service
Work #: 866-951-9830
24 Hour #: 866-951-9830
Email: drew.hartsock@ferguson.com

Extremely Hazardous Substance Present:

CAS. NO	CHEMICAL	MAX. AMT.	VUL.ZONE
7664-93-9	*Sulfuric Acid	1,352 lbs.	< 0.1 mi.

*EPA Extremely Hazardous Substance

Assumptions: Ferguson - 1676 is a plumbing and HVAC supply manufacturer that utilizes battery operated material handling equipment containing EHS sulfuric acid. Sulfuric acid is present at 1,352 lbs. in a concentration of 30% or less, battery electrolyte solution. The credible worst-case scenario involves a release of 406 lbs. of sulfuric acid in battery electrolyte solution at a concentration of 30% or less. The result is a vulnerability zone that would stay within the perimeters of the facility and would not affect any special facilities off-site. The maximum number of employees affected is 12.

Scenario: The credible worst-case scenario for release would involve the largest battery/group of interconnected batteries that is damaged during operation releasing 406 lbs. of sulfuric acid in a concentration of 30% or less in a battery electrolyte solution. According to calculations derived from using Cameo for Hazard Analysis, the release would pose a hazard of <0.1 mile or 528 feet.

Primary Emergency Responders:

Eau Claire Police Department	715-839-4972
Eau Claire Fire Department	715-839-5013
Eau Claire Fire Department EMS	715-839-5013
Eau Claire County Emergency Management	715-829-8499

Special Resources Available at / from facility:
- Basic PPE (Boots, Gloves, Face Masks, and Face Shields)
- Basic First Aid Kit (AED and Eyewash Stations)
- Basic Spill Containment (Absorbent pads)

Special Resources Needed for Response:
The facility will not respond to hazardous materials emergency but will evacuate the facility and await the response to their 911 call. The facility's hazardous materials contractor is Verisk 3E Company, 1-866-951-9830.

General:
Ferguson-1676 operates 1 shift, 5 days per week; 1st shift (8am-5pm), 12 employees.

Special Considerations:
None

Facility Map Identifying Sulfuric Acid Storage:

Ferguson - Ferguson - 1676

Address: 2626 Truax Blvd
City/State/Zip: Eau Claire, WI 54703
County: Eau Claire
Site Access Coordinates: 44.8335, -91.5475

Chemical List:

Sulfuric Acid

* Stored in forklifts throughout facility *

100 ft

Facility

Storage

Printed 12/21/2021 by Mapkind

NEW [ ] UPDATE [X] FINAL UPDATE [ ]

Facility Signatures:

I have reviewed the attached plan and to the best of my knowledge, all facility information is true, accurate, and complete. The plan is consistent with facility emergency plans and procedures.

Facility Coordinator — Date: 04/02/2025

County Signatures:

I have reviewed the attached plan and to the best of my knowledge, all information is true, accurate, and complete.

County Local Emergency Planning Committee Chair — Date

County Emergency Management Director — Date

ATTACHMENT C, APPENDIX FOR FACILITY ID #201315
First Supply LLC – Eau Claire
596 Cameron Street
Eau Claire, WI 54703

Facility Coordinator:
Reggie Geissler
Branch Manager
Work #: 715-832-6638
24 Hr. #: 715-732-6638
Email: rgeissler@1supply.com

1st Alternate Coordinator:
Brian Heidtke
General Manager
Work #: 715-225-0350
24 Hour #: 715-831-4602
Email: bheidtke@1supply.com

Extremely Hazardous Substance Present:

CAS. NO	CHEMICAL	MAX. AMT.	VUL.ZONE
7664-93-9	*Sulfuric Acid	1,918 lbs.	< 0.1 mi.

*EPA Extremely Hazardous Substance

Assumptions: First Supply LLC – Eau Claire is a wholesale and distribution retail site located in a mixed (residential/commercial) district near the downtown Eau Claire area. There are several structures on the site, and the large lot accommodates deliveries via semi-trailer. Sulfuric Acid is present at 1,918 lbs. in a concentration of 20% or less, battery electrolyte solution. The credible worst-case scenario involves a release of 352 lbs. of Sulfuric Acid in battery electrolyte solution at a concentration of 20% or less. The result is a vulnerability zone that would stay within the perimeters of the facility and would not affect any special facilities off-site. The maximum number of employees affected is 3 – 42.

Scenario: The credible worst-case scenario for release would involve the largest battery/group of interconnected batteries that is damaged during operation or delivery releasing 352 lbs. of Sulfuric Acid in a concentration of 20% or less in a battery electrolyte solution. According to calculations derived from using Cameo for Hazard Analysis, the release would pose a hazard of <0.1 mile or 528 feet.

Primary Emergency Responders:

Eau Claire Police Department	715-839-4972
Eau Claire Fire Department	715-839-5013
Eau Claire Fire Department EMS	715-839-5013
Eau Claire County Emergency Management	715-829-8499

Special Resources Available at / from facility:
- SDS Safety Data Sheets – Located in Office & Warehouse
- Eye Wash Station – Located in Warehouse
- Battery Servicing Personnel Protective Equipment – Located in Warehouse near battery charging area
- Containment/Absorbent Supplies – Located in Warehouse
- Fire Extinguishers – Located in multiple areas of the office, showroom, warehouse & outbuildings
- Communications Equipment – Phones, Paging System, and Walkie-Talkie's

Special Resources Needed for Response:
The facility will not respond to hazardous materials emergency but will evacuate the facility and await the response to their 911 call. Receiving doors are inside a secure fence that is locked outside normal business hours.

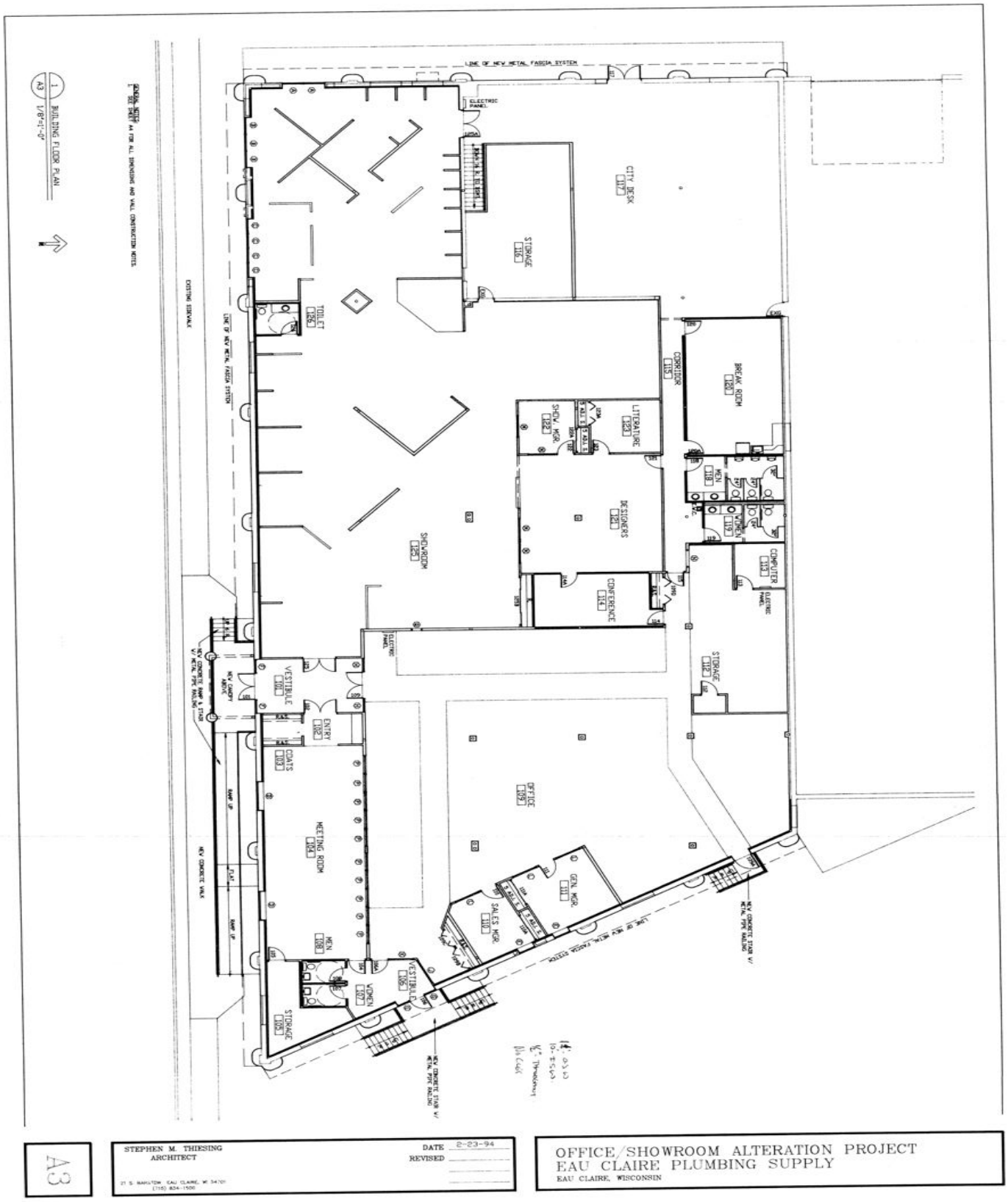
General:
First Supply LLC – Eau Claire operates shifts seven days per week. The hours of operation are detailed below, and there are 3 – 42 employees on-site.

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
7:00 am	7:00 am	7:00 am	7:00 am	7:00 am	9:00 am	11:00 am
5:00 pm	5:00 pm	5:00 pm	7:00 pm	5:00 pm	5:00 pm	4:00 pm

Note: *There are 3-4 Warehouse Operations employees that work until 7:30 pm – 9:00 pm, pending business demands, loading trucks Monday – Friday.*

Special Considerations:
The Vulnerability Zone affects approximately 30 housing units within 0.1 mile of the facility. The population in this area is estimated to be 61 people. The Mayo Clinic Health System is located nearby.

Facility Map Identifying Sulfuric Acid Storage:



NEW [ ] UPDATE [X] FINAL UPDATE [ ]

Facility Signatures:

I have reviewed the attached plan and to the best of my knowledge, all facility information is true, accurate, and complete. The plan is consistent with facility emergency plans and procedures.

Facility Coordinator — Date: 3-5-25

County Signatures:

I have reviewed the attached plan and to the best of my knowledge, all information is true, accurate, and complete.

County Local Emergency Planning Committee Chair — Date

County Emergency Management Director — Date

ATTACHMENT C, APPENDIX FOR FACILITY ID #202051
Fleet Farm
3165 Old Town Hall Road
Eau Claire, WI 54701

Facility Coordinator:
Diane Kopping
General Manager
Work #: 715-895-8401
24 Hr. #: 920-904-2778
Email: safety@fleetfarm.com

1st Alternate Coordinator:
Chris Strobach
Auto Service Manager
Work #: 715-895-8401
24 Hour #: 715-894-9350
Email: safety@fleetfarm.com

Extremely Hazardous Substance Present:

CAS. NO	CHEMICAL	MAX. AMT.	VUL.ZONE
7664-93-9	*Sulfuric Acid	1,710 lbs.	< 0.1 mi.

*EPA Extremely Hazardous Substance

Assumptions: Fleet Farm is a big box retailer that utilizes battery operated material handling equipment. Sulfuric Acid is present at 1,710 lbs. in a concentration of 30% or less, battery electrolyte solution. The credible worst-case scenario involves a release of 570 lbs. of sulfuric acid in battery electrolyte solution at a concentration of 30% or less. The result is a vulnerability zone that would stay within the perimeters of the facility and would not affect any special facilities off-site. The maximum number of employees affected is 130.

Scenario: The credible worst-case scenario for release would involve the largest battery/group of interconnected batteries that is damaged during operation releasing 570 lbs. of Sulfuric Acid in a concentration of 30% or less in a battery electrolyte solution. According to calculations derived from using Cameo for Hazard Analysis, the release would pose a hazard of <0.1 mile or 528 feet.

Primary Emergency Responders:

Eau Claire Police Department	715-839-4972
Eau Claire Fire Department	715-839-5013
Eau Claire Fire Department EMS	715-839-5013
Eau Claire County Emergency Management	715-829-8499

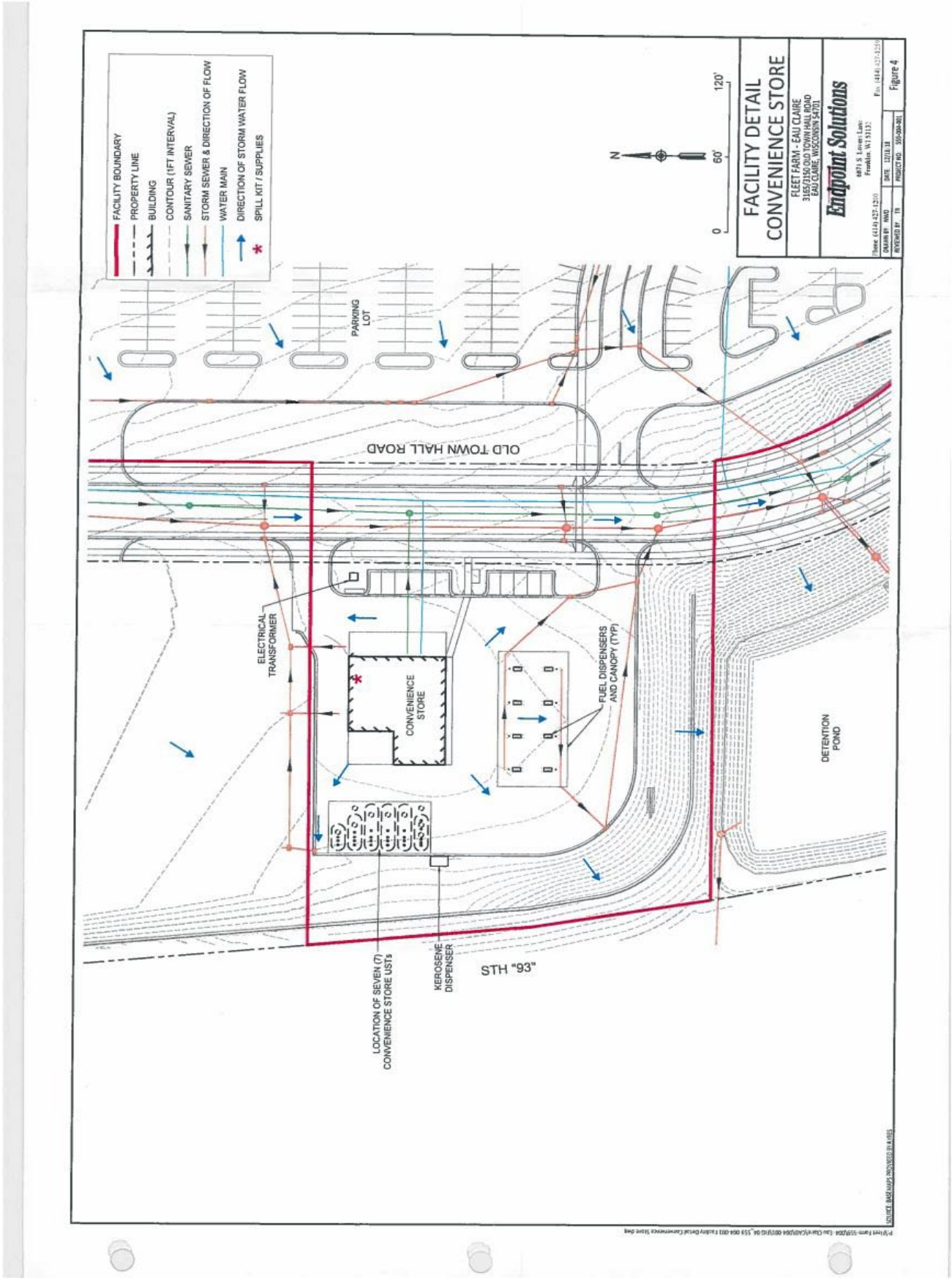
Special Resources Available at / from facility:
- PPE
- Spill Clean Up Kit/Supplies
- Fire Extinguisher

Special Resources Needed for Response:
The facility will not respond to hazardous materials emergency but will evacuate the facility and await the response to their 911 call.

General:
Fleet Farm operates 2 shifts, 7 days per week; 1st shift (7am-3pm), 70 employees; 2nd shift (1pm-8pm), 60 employees.

Special Considerations:
None

Facility Map Identifying Sulfuric Acid Storage:



NEW [ ] UPDATE [X] FINAL UPDATE [ ]

Facility Signatures:

I have reviewed the attached plan and to the best of my knowledge, all facility information is true, accurate, and complete. The plan is consistent with facility emergency plans and procedures.

Facility Coordinator

03-05-2025

Date

County Signatures:

I have reviewed the attached plan and to the best of my knowledge, all information is true, accurate, and complete.

_____ _____

County Local Emergency Planning Committee Chair Date

_____ _____

County Emergency Management Director Date

ATTACHMENT C, APPENDIX FOR FACILITY ID #196827 **R9/2024**

GREAT LAKES COCA-COLA EAU CLAIRE DISTRIBUTION
202 TRUAX BLVD
EAU CLAIRE, WI 54703

Facility Coordinator:
Joshua Meyer
General Manager
Work #: 651-428-6586
24 Hr. #: 651-428-6586
Email: joshua.meyer@glccd.com

1st Alternate Coordinator:
Patrick Lien
Manager
Work #: 715-210-2976
24 Hour #: 715-210-2976
Email: patrick.lien@glccd.com

Extremely Hazardous Substance Present:

CAS. NO	CHEMICAL	MAX. AMT.	VUL.ZONE
7664-93-9	*Sulfuric Acid	2,896 lbs.	< 0.1 mi.

*EPA Extremely Hazardous Substance

Assumptions: Great Lakes Coca-Cola is a soft drink distribution center that stores product of various sizes for distribution to points of sale within the region. Sulfuric Acid is stored in lead batteries used by forklifts inside the warehouse. Sulfuric acid is present at 2,896 lbs. in a concentration of 30% or less, battery electrolyte solution. The credible worst-case scenario involves a release of 2,823 lbs. of sulfuric acid in battery electrolyte solution at a concentration of 30% or less. The result is a vulnerability zone that would stay within the perimeters of the facility and would not affect any special facilities off-site. The maximum number of employees affected is 38.

Scenario: The credible worst-case scenario for release would involve the largest battery/group of interconnected batteries that is damaged during operation or delivery releasing 2,823 lbs. of sulfuric acid in a concentration of 30% or less in a battery electrolyte solution. According to calculations derived from using Cameo for Hazard Analysis, the release would pose a hazard of <0.1 mile or 528 feet.

Primary Emergency Responders:

City of Eau Claire Police Department	715-839-4972
Eau Claire Fire Department	715-839-5013
Eau Claire Fire Department EMS	715-839-5013
Eau Claire County Emergency Management	715-829-8499

Special Resources Available at / from facility:

- The facility maintains a facility on-site emergency plan
- Spill Kit
- Absorbents and Neutralizers

Special Resources Needed for Response:

The facility will not respond to hazardous materials emergency but will evacuate the facility and await the response to their 911 call.

General:

Great Lakes Coca-Cola operates on a single shift system, 0800-1700 Monday through Friday.

Special Considerations:

None

Facility Map Identifying Sulfuric Acid Storage:

NEW [X] UPDATE [ ] FINAL UPDATE [ ]

Facility Signatures:

I have reviewed the attached plan and to the best of my knowledge, all facility information is true, accurate, and complete. The plan is consistent with facility emergency plans and procedures.

Facility Coordinator — Date: 2/26/24

County Signatures:

I have reviewed the attached plan and to the best of my knowledge, all information is true, accurate, and complete.

County Local Emergency Planning Committee Chair — Date: 5-1-24

County Emergency Management Director — Date: 5-1-24

ATTACHMENT C, APPENDIX FOR FACILITY ID #150128
Hutchinson Technology, Inc.
2435 Alpine Road
Eau Claire, Wisconsin 54703

Facility Coordinator:
Thomas Lochner
Environmental Engineer
Work #: 715-830-7098
24 Hr. #: 715-820-6000
Email: thomas.lochner@hti.htch.com

1st Alternate Coordinator:
John Manderscheid
Facilities Manager
Work #: 715-830-7058
24 Hour #: 715-830-7058
Email: john.manderscheid@hti.htch.com

Extremely Hazardous Substance Present:

CAS. NO	CHEMICAL	MAX. AMT.	VUL.ZONE
7664-93-9	*Sulfuric Acid	5,000 lbs.	< 0.1 mi.

*EPA Extremely Hazardous Substance

Assumptions: Hutchinson Technology specializes in the design and manufacture of microelectronic components and utilizes/stores battery operated material handling equipment containing EHS sulfuric acid. Sulfuric acid is present at 5,000 lbs. in a concentration of 30% or less, battery electrolyte solution. The credible worst-case scenario involves a release of 5,000 lbs. of sulfuric acid in battery electrolyte solution at a concentration of 30% or less. The result is a vulnerability zone that would stay within the perimeters of the facility and would not affect any special facilities off-site. The maximum number of employees affected is 30.

Scenario: The credible worst-case scenario for release would involve the largest battery/group of interconnected batteries that is damaged during operation or delivery releasing 5,000 lbs. of sulfuric acid in a concentration of 30% or less in a battery electrolyte solution. According to calculations derived from using Cameo for Hazard Analysis, the release would pose a hazard of <0.1 mile or 528 feet.

Primary Emergency Responders:

City of Eau Claire Police Department	715-839-4972
Eau Claire Fire Department	715-839-5013
Eau Claire Fire Department EMS	715-839-5013
Eau Claire County Emergency Management	715-829-8499

Special Resources Available at / from facility:
- The facility maintains a facility on-site emergency plan
- Spill Kit
- Absorbents and Neutralizers

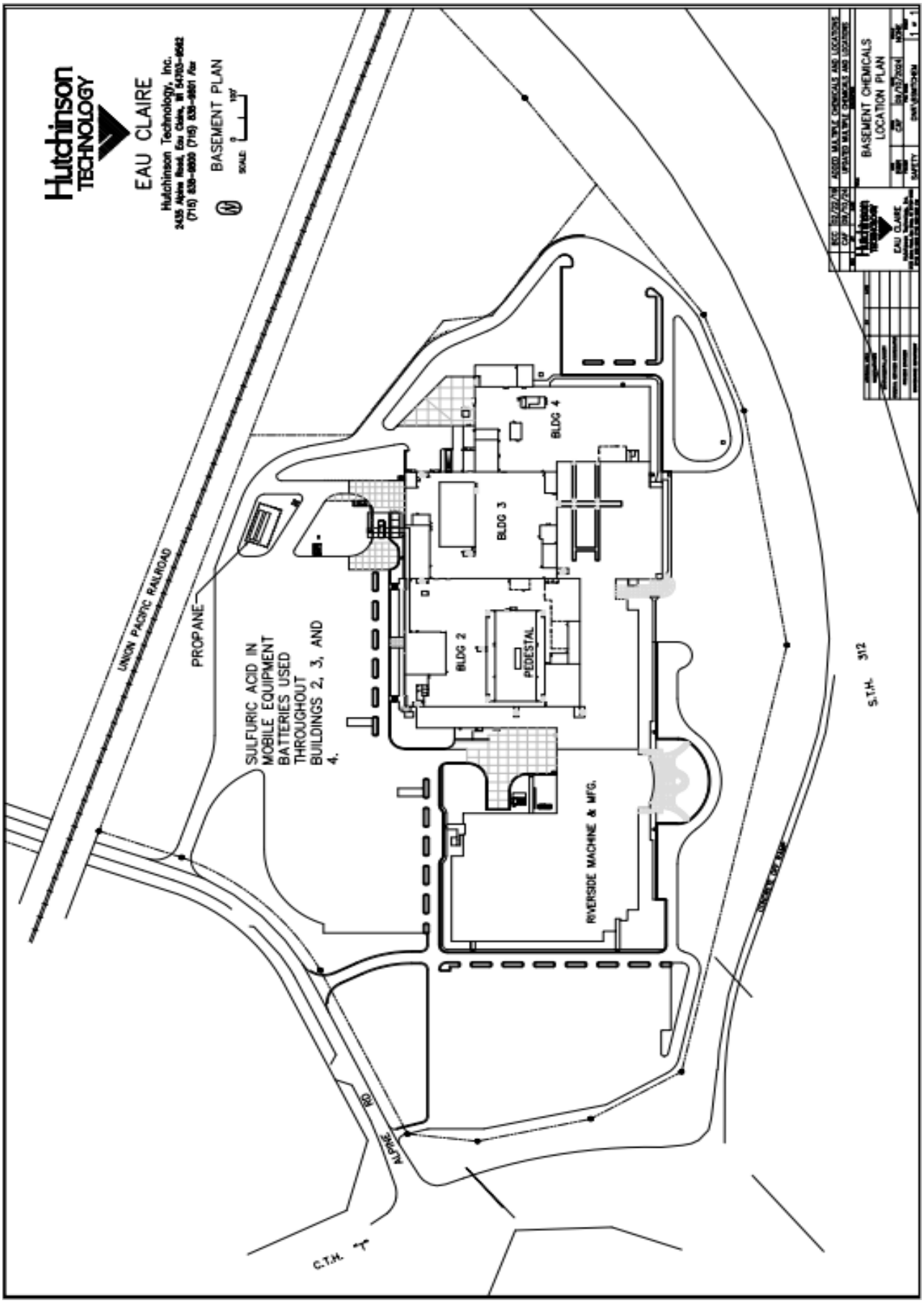
Special Resources Needed for Response:
The facility maintains a Hazwoper Team and will respond to on-site Hazardous Material spills. If the spill is beyond HTI's internal response capabilities, the facility will call 911 and be evacuated and await response.

General:
Hutchinson Technology Inc. operates 4 days per week, 5:00 a.m. – 5:00 p.m.

Special Considerations:
None

Fire Department Lock (Knox) Box:
North facility entrance outside Door 9.

Facility Map Identifying Sulfuric Acid Storage:



NEW [X] UPDATE [ ] FINAL UPDATE [ ]

Facility Signatures:

I have reviewed the attached plan and to the best of my knowledge, all facility information is true, accurate, and complete. The plan is consistent with facility emergency plans and procedures.

Thomas Lochner — 9/10/2024

Facility Coordinator — Date

County Signatures:

I have reviewed the attached plan and to the best of my knowledge, all information is true, accurate, and complete.

9/19/2024

County Local Emergency Planning Committee Chair — Date

9/19/2024

County Emergency Management Director — Date

ATTACHMENT C, APPENDIX FOR FACILITY ID #137176 **R9/2024**

INDIANHEAD FOODSERVICE DISTRIBUTOR
313 HASTINGS PLACE
EAU CLAIRE, WISCONSIN 54702-1506

Facility Coordinator:
Jesse Gillett
Board Secretary
Work #: 715-930-7977
24 Hr. #: 715-271-0717
Email: jgillett@callifd.com

1st Alternate Coordinator:
Dan Walker
Operations Manager
Work #: 715-834-6512 ext. 127
24 Hour #: 715-225-8864
Email: dwalker@callifd.com

Extremely Hazardous Substance Present:

CAS. NO	CHEMICAL	MAX. AMT.	VUL.ZONE
7664-93-9	*Sulfuric Acid	9,410.19 lbs.	< 0.1 mi.

*EPA Extremely Hazardous Substance

Assumptions: Indianhead Foodservice Distributor is a food warehousing operation that supplies food products for the away-from-home eating industry. Sulfuric acid is used in batteries that power forklifts and other machinery used to move the food products inside the building; forklifts move throughout the building. The sulfuric acid from all these batteries totals 9,410.19 pounds. However, the batteries vary in capacity from 36V batteries containing 262 pounds of sulfuric acid, to 6V batteries containing 39 pounds of sulfuric acid; all batteries contain a 30% solution. The credible worst-case scenario involves a release of 262 lbs. of sulfuric acid in battery electrolyte solution at a concentration of 30% or less. The result is a vulnerability zone that would stay within the perimeters of the facility and would not affect any special facilities off-site. The maximum number of employees affected is 170.

Scenario: The credible worst-case scenario for release would involve the largest battery/group of interconnected batteries that is damaged during operation or delivery releasing 262 lbs. of sulfuric acid in a concentration of 30% or less in a battery electrolyte solution. According to calculations derived from using Cameo for Hazard Analysis, the release would pose a hazard of <0.1 mile or 528 feet.

Primary Emergency Responders:

City of Eau Claire Police Department	715-839-4972
Eau Claire Fire Department	715-839-5013
Eau Claire Fire Department EMS	715-839-5013
Eau Claire County Emergency Management	715-829-8499

Special Resources Available at / from facility:

- The facility maintains a facility on-site emergency plan
- Splash Apron, Face Shields, Gloves and Goggles

Special Resources Needed for Response:

The facility will not respond to hazardous materials emergency but will evacuate the facility and await the response to their 911 call.

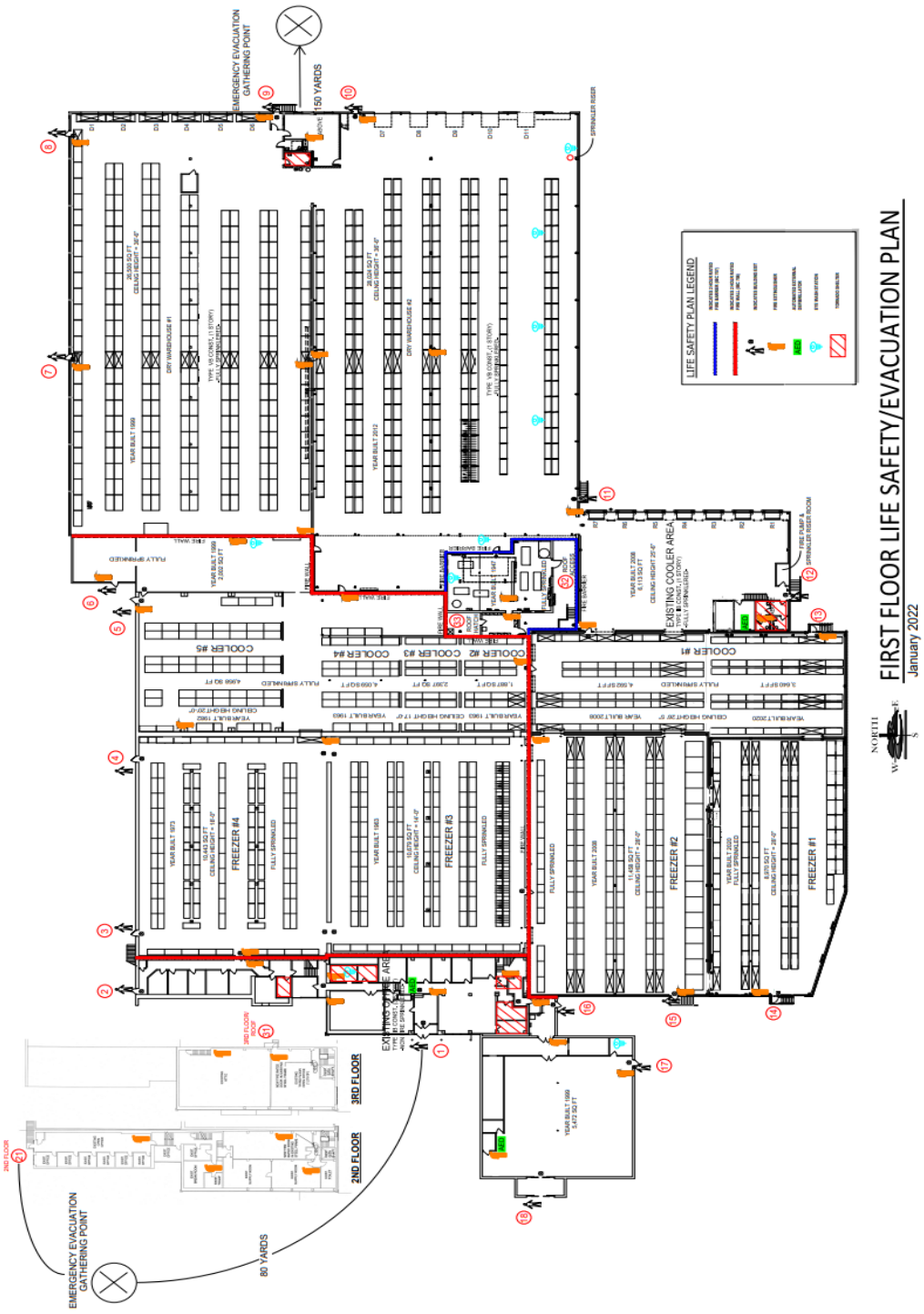
General:

The facility currently operates on a 24/7 schedule, with the exception of a time period from 8:00 p.m. on Friday to 4:00 a.m. Sunday.

Special Considerations:

None

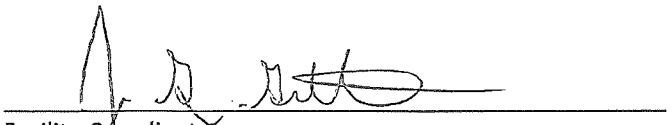
Facility Map Identifying Sulfuric Acid Storage:



NEW [X] UPDATE [ ] FINAL UPDATE [ ]

Facility Signatures:

I have reviewed the attached plan and to the best of my knowledge, all facility information is true, accurate, and complete. The plan is consistent with facility emergency plans and procedures.



Facility Coordinator

2/21/2024

Date

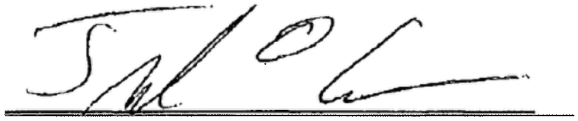
County Signatures:

I have reviewed the attached plan and to the best of my knowledge, all information is true, accurate, and complete.

County Local Emergency Planning Committee Chair

5-1-24

Date



County Emergency Management Director

5/1/2024

Date

ATTACHMENT C, APPENDIX FOR FACILITY ID #60127
Mayo Clinic Health System Northwest Wisconsin Region, Inc.
1221 Whipple St P.O. Box 4105
Eau Claire, Wisconsin 54702

Facility Coordinator:
Gordon Howie
Regional Chair Facilities Support Services
Work #: 715-838-1999
24 Hr. #: 715-838-3311
Email: howie.gordon@mayo.edu

1st Alternate Coordinator:
Morgan Weiss
Safety Coordinator
Work #: 715-838-3633
24 Hr. #: 715-838-3311
Email: Drewek.Morgan@mayo.edu

Extremely Hazardous Substance Present:

CAS. NO	CHEMICAL	MAX. AMT.	VUL.ZONE
7664-93-9	*Sulfuric Acid	2,489 lbs.	< 0.1 mi.

*EPA Extremely Hazardous Substance

Assumptions: Mayo Clinic Health System Northwest Wisconsin Region, Inc. is a medical facility that utilizes/stores battery operated equipment. Batteries in the Central Energy Plant electrical rooms are stored in multiple electrical rooms within full containment systems. Sulfuric acid is present at 2,489 lbs. in a concentration of 30% or less, battery electrolyte solution. The credible worst-case scenario involves a release of 2,489 lbs. of sulfuric acid in battery electrolyte solution at a concentration of 30% or less. The result is a vulnerability zone that would stay within the perimeters of the facility and would not affect any special facilities off-site. The maximum number of employees affected is 10.

Scenario: The credible worst-case scenario for release would involve a simultaneous containment failure releasing 2,489 lbs. of sulfuric acid in a concentration of 30% or less in a battery electrolyte solution. According to calculations derived from using Cameo for Hazard Analysis, the release would pose a hazard of <0.1 mile or 528 feet.

Primary Emergency Responders:

Eau Claire Police Department	715-839-4972
Eau Claire Fire Department	715-839-5013
Eau Claire Fire Department EMS	715-839-5013
Eau Claire County Emergency Management	715-829-8499

Special Resources Available at / from facility:
- The facility maintains a facility on-site emergency plan
- Emergency eyewash station
- Spill response supplies for battery spills in the Central Energy Plant are located in the battery storage/electrical rooms and include two each, 20-gallon spill kits containing absorbent material and PPE for battery spills.
- Containment has neutralizing pillows built into it.

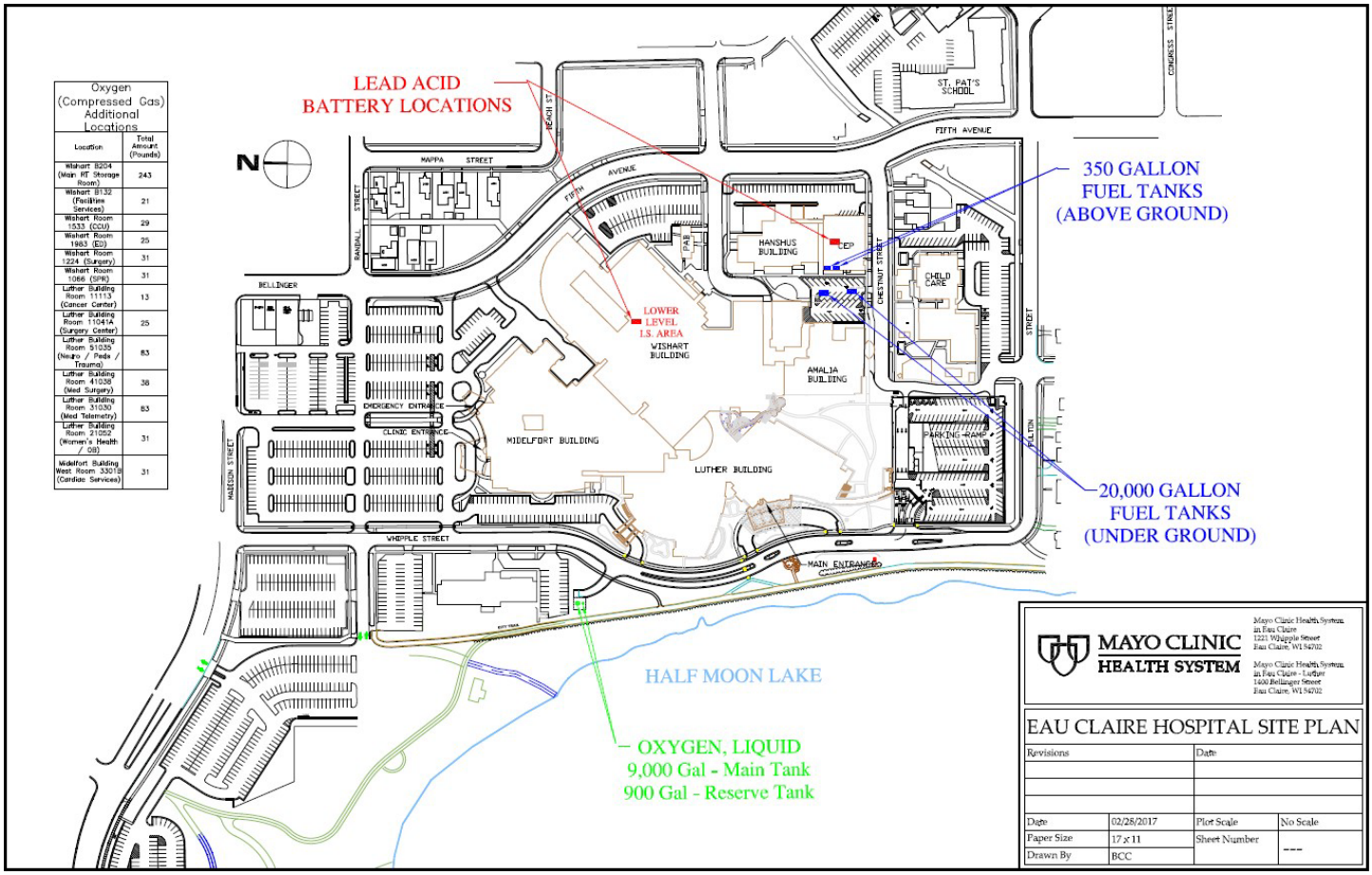
Special Resources Needed for Response:
The facility will not respond to hazardous materials emergency but will evacuate the facility and await the response to their 911 call.

General:
There is an average of one-thousand five hundred employees (1,500) on site at all times with patients doubling that number.

Special Considerations:
None

Fire Department Lock (Knox) Box:
Luther Midelfort Central Energy Plant
208 Chestnut St
Eau Claire, WI 54703

Facility Map Identifying Sulfuric Acid Storage:



NEW [X] UPDATE [ ] FINAL UPDATE [ ]

Facility Signatures:

I have reviewed the attached plan and to the best of my knowledge, all facility information is true, accurate, and complete. The plan is consistent with facility emergency plans and procedures.

Facility Coordinator — Date: 20APR23

County Signatures:

I have reviewed the attached plan and to the best of my knowledge, all information is true, accurate, and complete.

County Local Emergency Planning Committee Chair — Date: 5/18/23

County Emergency Management Director — Date: 5/18/23

ATTACHMENT C, APPENDIX FOR FACILITY ID #173687
MCI (EUCRWI) (WIEUCRWI)
333 Putnam Street
Eau Claire, WI 54703

Facility Coordinator:
Alan Himley
Property Manager
Work #: 612-217-7380
24 Hr. #: 800-386-9639
Email: alan.himley@verizon.com

1st Alternate Coordinator:
Compliance Service Center
EHS Compliance
Work #: 800-386-9639
24 Hour #: 800-386-9639
Email: vz-epcra@verizon.com

Extremely Hazardous Substance Present:

CAS. NO	CHEMICAL	MAX. AMT.	VUL.ZONE
7664-93-9	*Sulfuric Acid	1,051 lbs.	< 0.1 mi.

*EPA Extremely Hazardous Substance

Assumptions: MCI (EUCRWI) (WIEUCRWI) is a facility that provides support for a fiber optic communications network. Services are contracted by communications companies for voice, computer, and other services that are transmitted through the fiber optic network. The facility consists of prefabricated communications buildings that are end to end on the site. Sulfuric Acid, present in batteries inside the two communications buildings, is the major chemical hazard present. Sulfuric Acid is present at 1,051 lbs. in a concentration of 8% or less, battery electrolyte solution. The credible worst-case scenario involves a release of 84 lbs. of Sulfuric Acid in battery electrolyte solution at a concentration of 8% or less. The result is a vulnerability zone that would stay within the perimeters of the facility and would not affect any special facilities off-site. The facility is unmanned but is visited periodically.

Scenario: The credible worst-case scenario for release would involve the largest battery/group of interconnected batteries that is damaged during operation releasing 84 lbs. of sulfuric acid in a concentration of 8% or less in a battery electrolyte solution. According to calculations derived from using Cameo for Hazard Analysis, the release would pose a hazard of <0.1 mile or 528 feet.

Primary Emergency Responders:

Eau Claire Police Department	715-839-4972
Eau Claire Fire Department	715-839-5013
Eau Claire Fire Department EMS	715-839-5013
Eau Claire County Emergency Management	715-829-8499

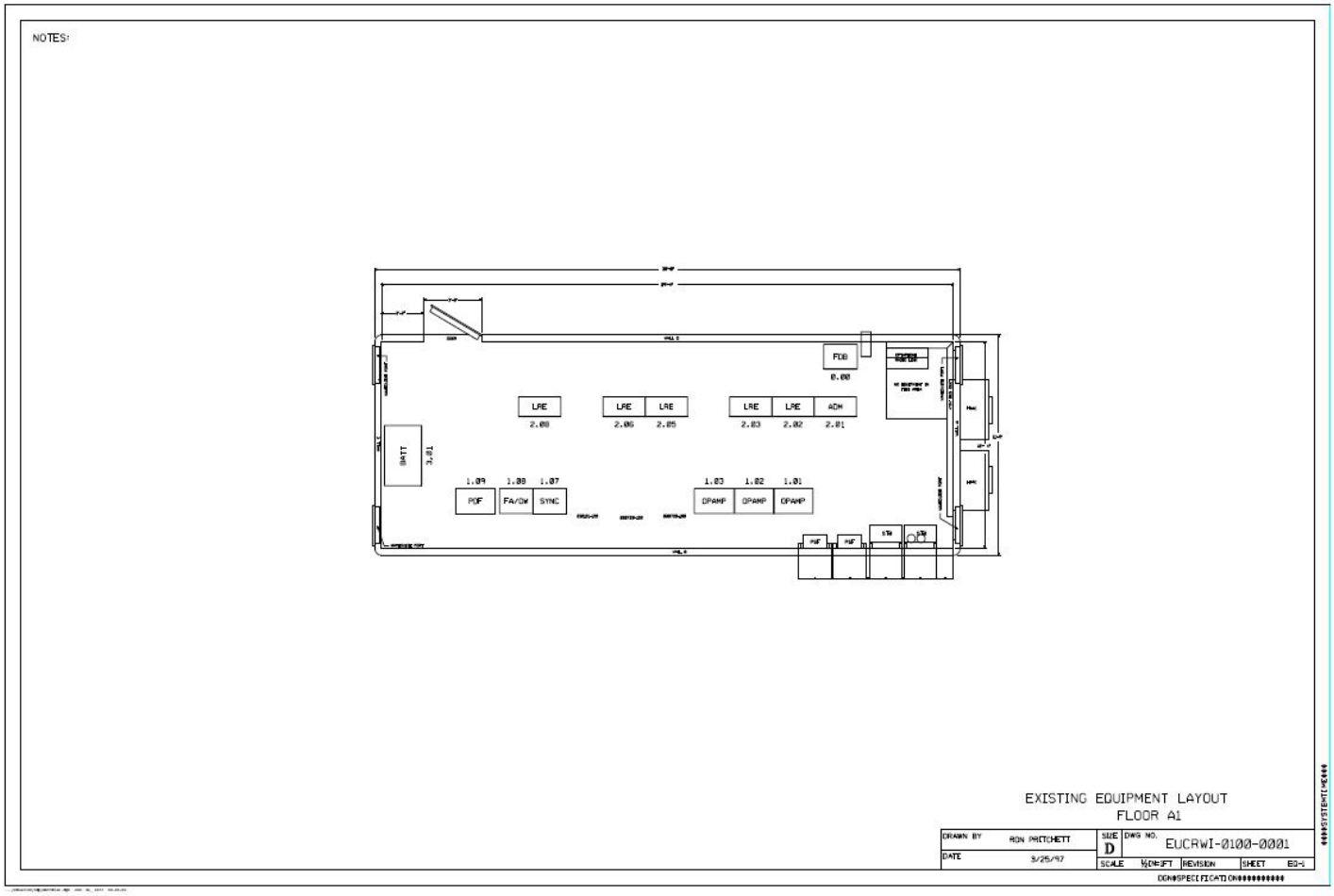
Special Resources Available at / from facility:
There is no chemical emergency monitoring equipment on site. The facility is equipped with gloves, apron, eye protection, chemical absorbent, and eye wash.

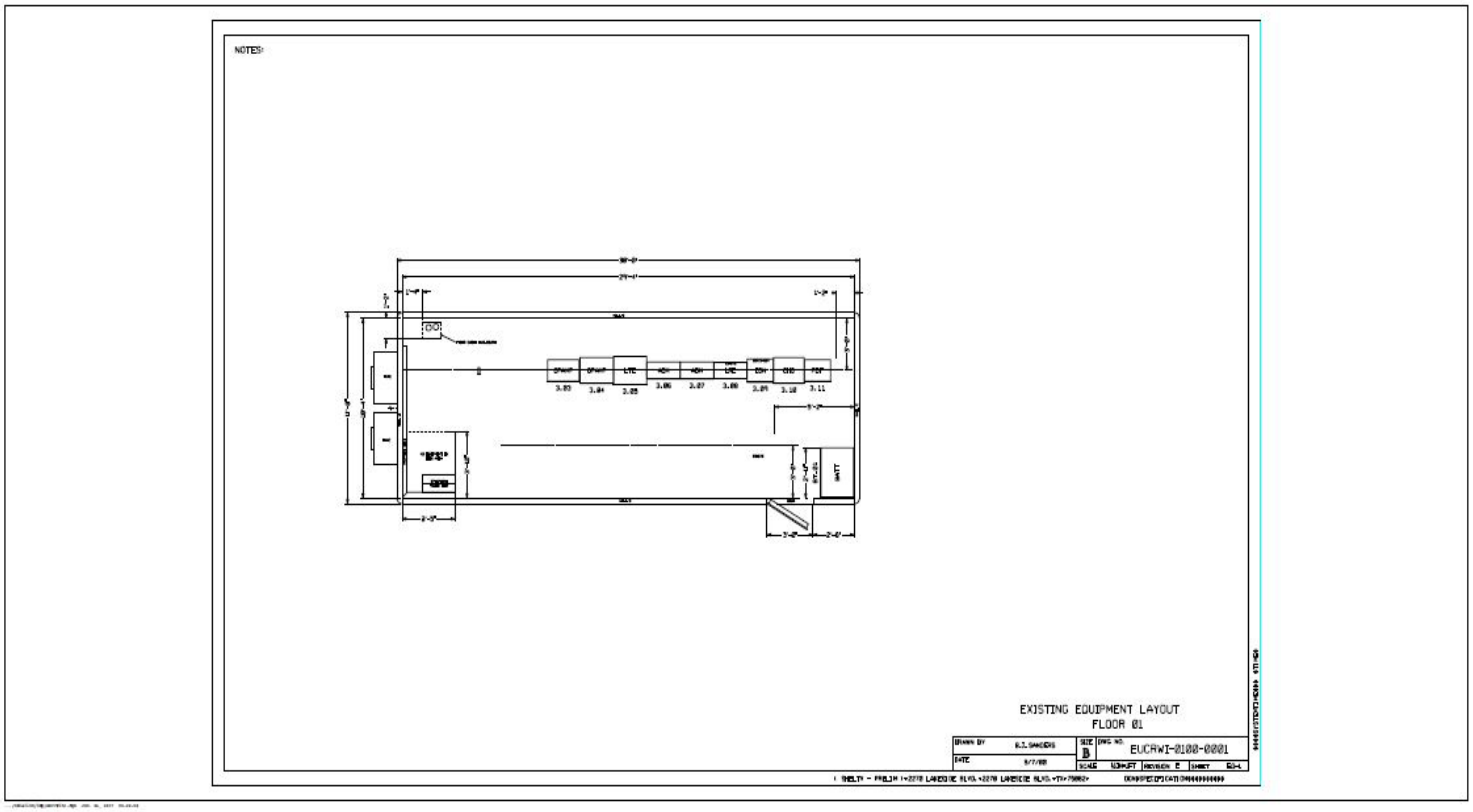
Special Resources Needed for Response:
There are no full-time employees on site. There is no chemical emergency monitoring equipment on site.

General:
MCI (EUCRWI) (WIEUCRWI) is an unmanned facility but is visited periodically.

Special Considerations:
The Vulnerability Zone affects approximately 33 housing units within 0.1 mile of the facility. The population in this area is estimated to be 73 people.

Facility Maps Identifying Sulfuric Acid Storage:





NEW [ ] UPDATE [X] FINAL UPDATE [ ]

Facility Signatures:

I have reviewed the attached plan and to the best of my knowledge, all facility information is true, accurate, and complete. The plan is consistent with facility emergency plans and procedures.

Facility Coordinator — Date: 3-7-25

County Signatures:

I have reviewed the attached plan and to the best of my knowledge, all information is true, accurate, and complete.

County Local Emergency Planning Committee Chair — Date

County Emergency Management Director — Date

ATTACHMENT C, APPENDIX FOR FACILITY ID #143371
MENARD, INC – EAU CLAIRE
5101 MENARD DRIVE
EAU CLAIRE, WI 54703

Facility Coordinator:
Rob Ebben
Environmental Compliance Coordinator
Work #: 715-876-2300
24 Hr. #: 715-214-6112
Email: rebben@menard-inc.com

1st Alternate Coordinator:
Chris Witkowski
Facilities Manager
Work #: 715-876-8400
24 Hour #: 715-828-0145
Email: cwitkiwowski@menard-inc.com

Extremely Hazardous Substance Present:

CAS. NO	CHEMICAL	MAX. AMT.	VUL.ZONE
7664-93-9	*Sulfuric Acid	3,744 lbs.	< 0.1 mi.

*EPA Extremely Hazardous Substance

Assumptions: Menard, Inc. is a home improvement retail facility that utilizes battery operated material handling equipment containing EHS sulfuric acid. Sulfuric acid is present at 3,744 lbs. in a concentration of 20% or less, battery electrolyte solution. The credible worst-case scenario involves a release of 321 lbs. of sulfuric acid in battery electrolyte solution at a concentration of 20% or less. The result is a vulnerability zone that would stay within the perimeters of the facility and would not affect any special facilities off-site. The maximum number of employees affected is 975.

Scenario: The credible worst-case scenario for release would involve the largest battery/group of interconnected batteries that is damaged during operation or delivery releasing 321 lbs. of sulfuric acid in a concentration of 20% or less in a battery electrolyte solution. According to calculations derived from using Cameo for Hazard Analysis, the release would pose a hazard of <0.1 mile or 528 feet and would stay within the perimeters of the facility and would not affect any special facilities off-site.

Primary Emergency Responders:

Eau Claire County Sheriff's Office	715-839-4701
Township Fire Department	715-834-6868
Eau Claire Fire Department EMS	715-839-5013
Eau Claire County Emergency Management	715-829-8499

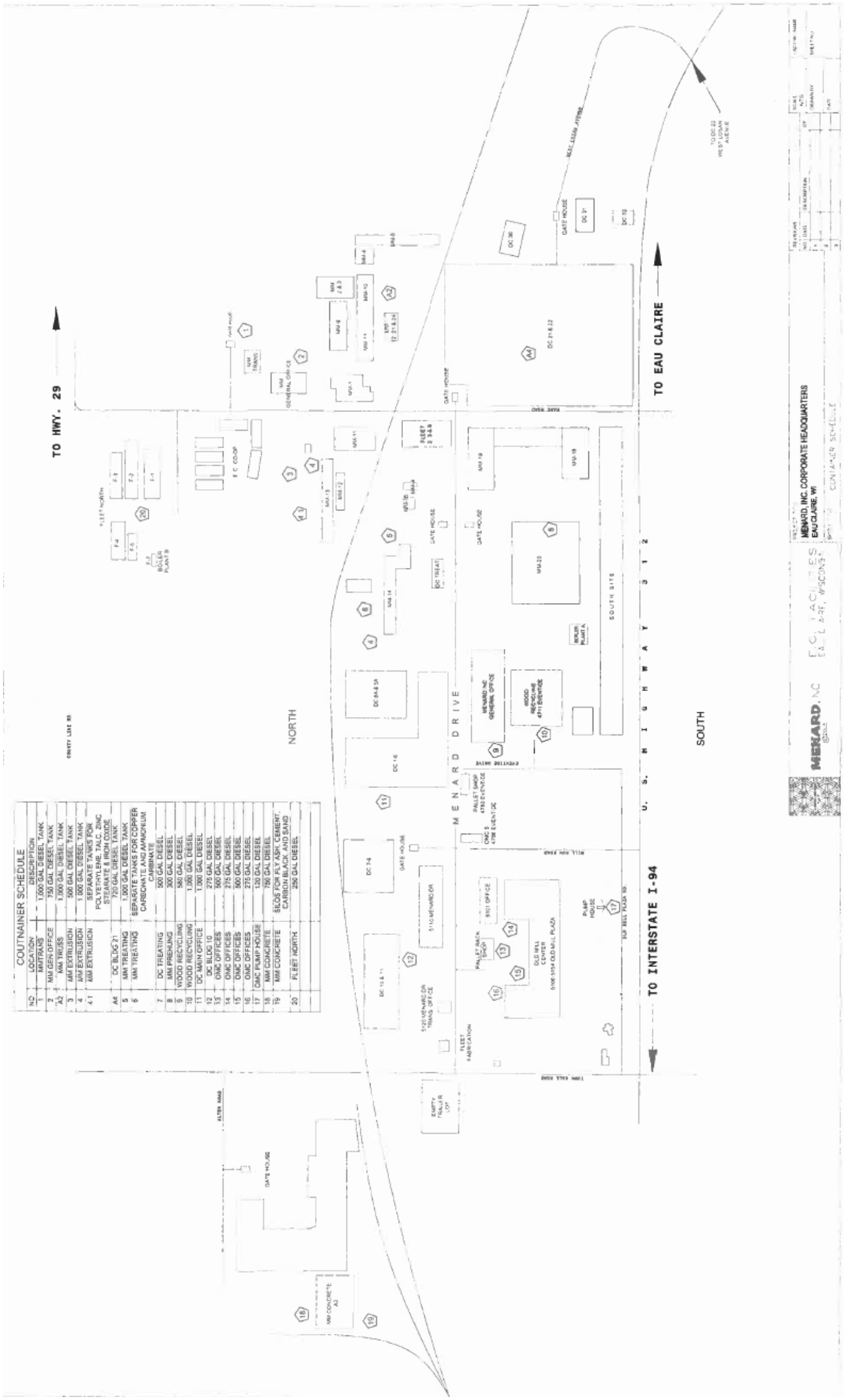
Special Resources Available at / from facility:
- The facility maintains a facility on-site emergency plan
- Absorbents and Neutralizers

Special Resources Needed for Response:
Menards has absorbent and neutralizer material on supply and staff are able to use it in the event of a spill. If a large failure of multiple batteries were to occur, they would evacuate the facility and await the response to their 911 call.

General:
In the event of an incident on the Menards complex, staff in guard shacks and at intersections will direct emergency personnel to the scene. The facility is staffed 24/7.

Special Considerations:
None

Facility Map Identifying Sulfuric Acid Storage:



NEW [X] UPDATE [ ] FINAL UPDATE [ ]

Facility Signatures:

I have reviewed the attached plan and to the best of my knowledge, all facility information is true, accurate, and complete. The plan is consistent with facility emergency plans and procedures.

Facility Coordinator — Date: 1/30/2024

County Signatures:

I have reviewed the attached plan and to the best of my knowledge, all information is true, accurate, and complete.

County Local Emergency Planning Committee Chair — Date: 5-1-24

County Emergency Management Director — Date: 5-1-24

ATTACHMENT C, APPENDIX FOR FACILITY ID #202918
Nestle Health Science
3555 Preston Road
Eau Claire, Wisconsin 54702

Facility Coordinator:
Justin Befort
Sr. Facility Warehouse Specialist
Work #: 715-839-9440
24 Hr. #: 715-225-3972
Email: justin.befort@us.nestle.com

1st Alternate Coordinator:
Adam Bourget
Environmental Engineer Specialist
Work #: 715-839-9440
24 Hour #: 715-456-9394
Email: adam.bourget@us.nestle.com

Extremely Hazardous Substance Present:

CAS. NO	CHEMICAL	MAX. AMT.	VUL.ZONE
7664-93-9	*Sulfuric Acid	15,570 lbs.	< 0.1 mi.

*EPA Extremely Hazardous Substance

Assumptions: Nestle Health Science is a distribution center that utilizes battery operated material handling equipment containing EHS sulfuric acid. Sulfuric acid is present at 15,570 lbs. in a concentration of 10% or less, battery electrolyte solution. The credible worst-case scenario involves a release of 15,570 lbs. of sulfuric acid in battery electrolyte solution at a concentration of 10% or less. The result is a vulnerability zone that would stay within the perimeters of the facility and would not affect any special facilities off-site. The maximum number of employees affected is 6.

Scenario: The credible worst-case scenario for release would involve the largest battery/group of interconnected batteries that is damaged during operation or delivery releasing 15,570 lbs. of sulfuric acid in a concentration of 10% or less in a battery electrolyte solution. According to calculations derived from using Cameo for Hazard Analysis, the release would pose a hazard of <0.1 mile or 528 feet.

Primary Emergency Responders:

Eau Claire Police Department	715-839-4972
Eau Claire Fire Department	715-839-5013
Eau Claire Fire Department EMS	715-839-5013
Eau Claire County Emergency Management	715-829-8499

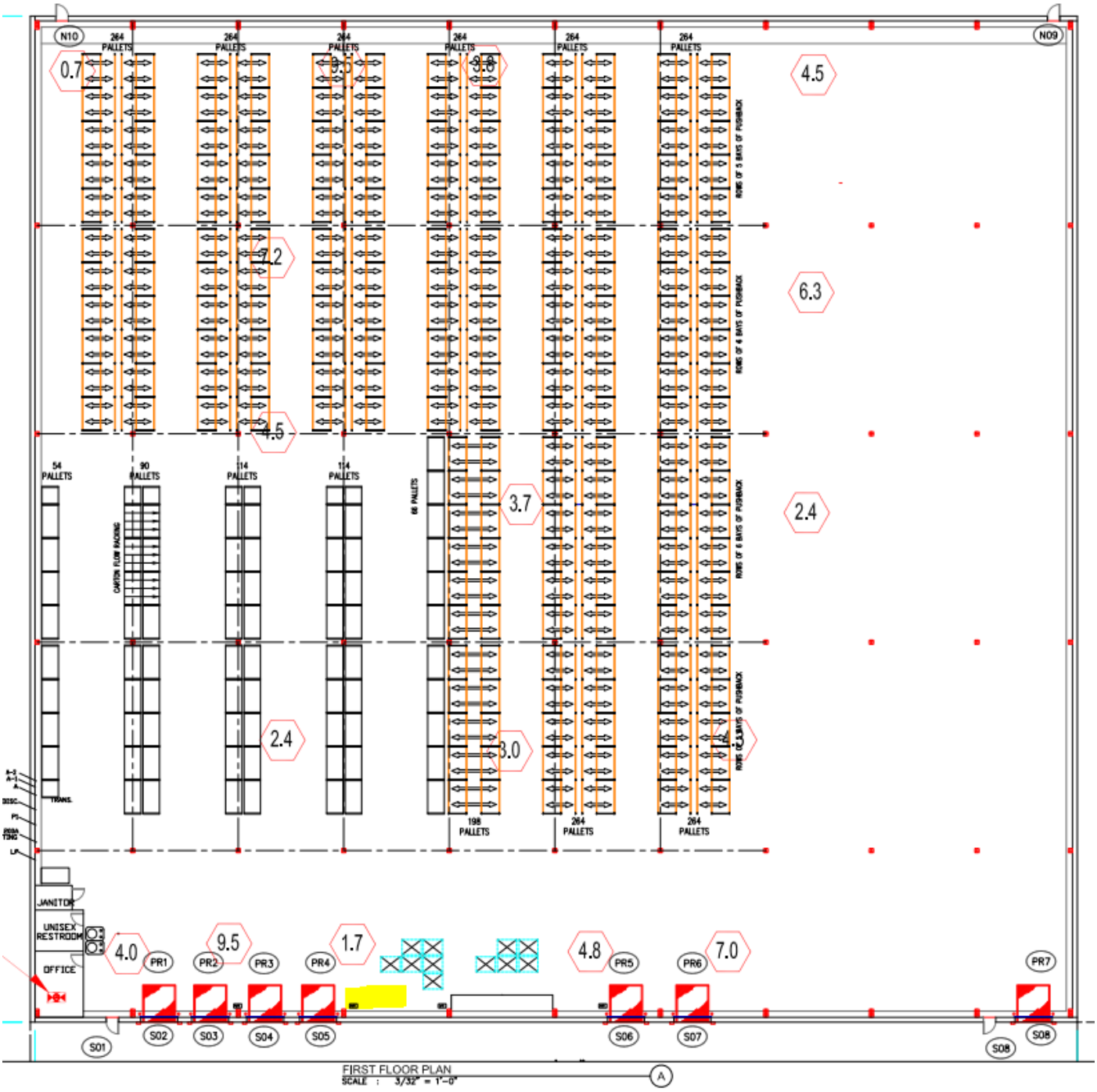
Special Resources Available at / from facility:
- The facility maintains a facility on-site emergency plan.

Special Resources Needed for Response:
The facility will not respond to hazardous materials emergency but will evacuate the facility and await the response to their 911 call.

General:
Nestle Health Science operates M-F 0600-1900 shifts. There is an average of 5 employees on site between M-F (0600-1900).

Special Considerations:
None

Facility Map Identifying Sulfuric Acid Storage:



Yellow highlight depicts battery charging area where batteries are likely to be however, batteries used in forklifts throughout facility.

NEW [X] UPDATE [ ] FINAL UPDATE [ ]

Facility Signatures:

I have reviewed the attached plan and to the best of my knowledge, all facility information is true, accurate, and complete. The plan is consistent with facility emergency plans and procedures.

Facility Coordinator

0420-23

Date

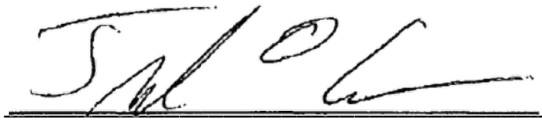
County Signatures:

I have reviewed the attached plan and to the best of my knowledge, all information is true, accurate, and complete.

County Local Emergency Planning Committee Chair

5/18/23

Date



County Emergency Management Director

5/18/23

Date

ATTACHMENT C, APPENDIX FOR FACILITY ID #161165
Sam's Club #8185
4001 Gateway Dr
Eau Claire, Wisconsin 54701

Facility Coordinator:
Sarah Hinton or Taylor Nowak
General Manager
Work #: 715-836-9585
24 Hr. #: 479-204-3911
Email: cassie.clark@walmart.com

1st Alternate Coordinator:
Walmart Alarm Central
Emergency Contact
Work #: 800-530-9924
24 Hour #: 479-204-3911
Email: cassie.clark@walmart.com

Extremely Hazardous Substance Present:

CAS. NO	CHEMICAL	MAX. AMT.	VUL.ZONE
7664-93-9	*Sulfuric Acid	1527.84 lbs.	< 0.1 mi.

*EPA Extremely Hazardous Substance

Assumptions: Sam's Club #8185 is a membership-only warehouse chain that sells bulk groceries, electronics, and home goods. Lead-acid batteries are used for mix purposes facility-wide. Sulfuric acid is present at 1527.84 lbs. in a concentration of 35% or less, battery electrolyte solution. The credible worst-case scenario involves a release of 290 lbs. of sulfuric acid in battery electrolyte solution at a concentration of 35% or less. The result is a vulnerability zone that would stay within the perimeters of the facility and would not affect any special facilities off-site. The maximum number of employees and occupants affected is 2,900.

Scenario: The credible worst-case scenario for release would involve the largest battery/group of interconnected batteries that is damaged during operation or delivery releasing 290 lbs. of sulfuric acid in a concentration of 35% or less in a battery electrolyte solution. According to calculations derived from using Cameo for Hazard Analysis, the release would pose a hazard of <0.1 mile or 528 feet.

Primary Emergency Responders:

Eau Claire Police Department	715-839-4972
Eau Claire Fire Department	715-839-5013
Eau Claire Fire Department EMS	715-839-5013
Eau Claire County Emergency Management	715-829-8499

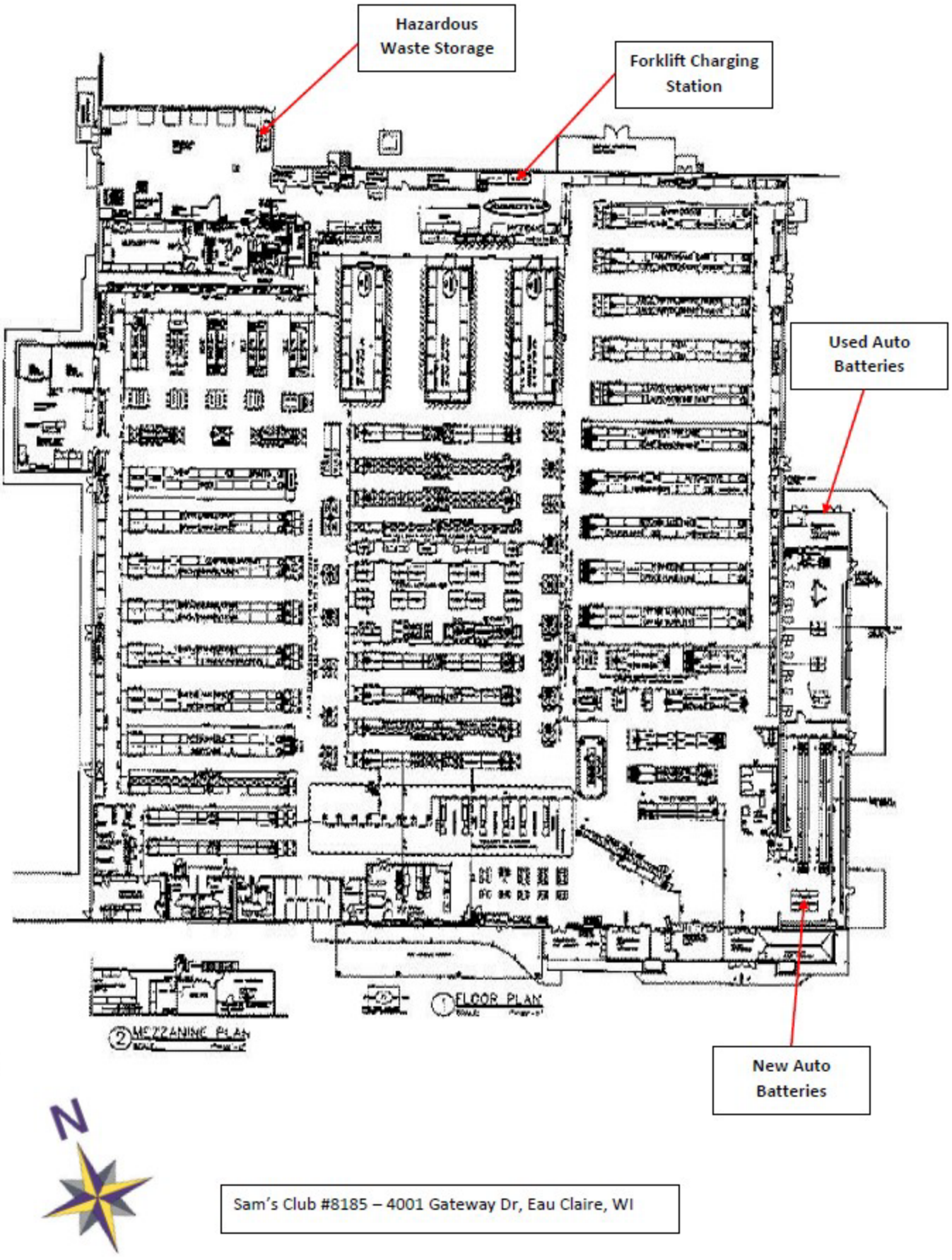
Special Resources Available at / from facility:
- The facility maintains a facility on-site emergency plan
- On site strobes and siren announce the detected release of a chemical

Special Resources Needed for Response:
The facility will not respond to hazardous materials emergency but will evacuate the facility and await the response to their 911 call.

General:
Sam's Club is open and staffed Monday – Friday 10:00 a.m. – 8:30 p.m.; Saturday 9:00 a.m. – 8:30 p.m.; and Sunday 10:00 a.m. – 6:00 p.m.

Special Considerations:
None

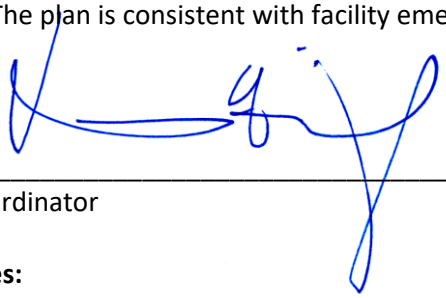
Facility Map Identifying Sulfuric Acid Storage:



NEW [X] UPDATE [ ] FINAL UPDATE [ ]

Facility Signatures:

I have reviewed the attached plan and to the best of my knowledge, all facility information is true, accurate, and complete. The plan is consistent with facility emergency plans and procedures.

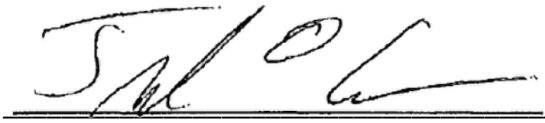


Facility Coordinator — Date: 4/28/2023

County Signatures:

I have reviewed the attached plan and to the best of my knowledge, all information is true, accurate, and complete.

County Local Emergency Planning Committee Chair — Date: 5/18/23



County Emergency Management Director — Date: 5/18/23

ATTACHMENT C, APPENDIX FOR FACILITY ID #200730
Silver Spring Foods
2424 Alpine Road
Eau Claire, WI 54703

Facility Coordinator:
Shawn Kapanke
VP of Operations
Work #: 715-830-9652
24 Hr. #: 715-559-4729
Email: skapanke@silverspringfoods.com

1st Alternate Coordinator:
Richard Haney
Safety Specialist
Work #: 715-830-9670
24 Hour #: 715-495-0925
Email: rhaney@silverspringfoods.com

Extremely Hazardous Substance Present:

CAS. NO	CHEMICAL	MAX. AMT.	VUL.ZONE
7664-93-9	*Sulfuric Acid	6,000 lbs.	< 0.1 mi.

*EPA Extremely Hazardous Substance

Assumptions: Silver Spring Foods is a facility focused on food manufacturing and uses batteries for power backup containing EHS Sulfuric Acid. Sulfuric Acid is stored in plastic or nonmetallic drums in the chemical storage and wastewater treatment rooms. Sulfuric acid is present at 6,000 lbs. in a concentration of 93% or less, battery electrolyte solution. The credible worst-case scenario involves a release of 6,000 lbs. of sulfuric acid in battery electrolyte solution at a concentration of 93% or less. The result is a vulnerability zone that would stay within the perimeters of the facility and would not affect any special facilities off-site. The maximum number of employees affected is 275.

Scenario: The credible worst-case scenario for release would involve the largest battery/group of interconnected batteries that is damaged during operation or delivery releasing 6,000 lbs. of sulfuric acid in a concentration of 93% or less in a battery electrolyte solution. According to calculations derived from using Cameo for Hazard Analysis, the release would pose a hazard of <0.1 mile or 528 feet.

Primary Emergency Responders:

Eau Claire County Sheriff's Office	715-839-4972
Eau Claire Fire Department	715-839-5013
Eau Claire Fire Department EMS	715-839-5013
Eau Claire County Emergency Management	715-829-8499

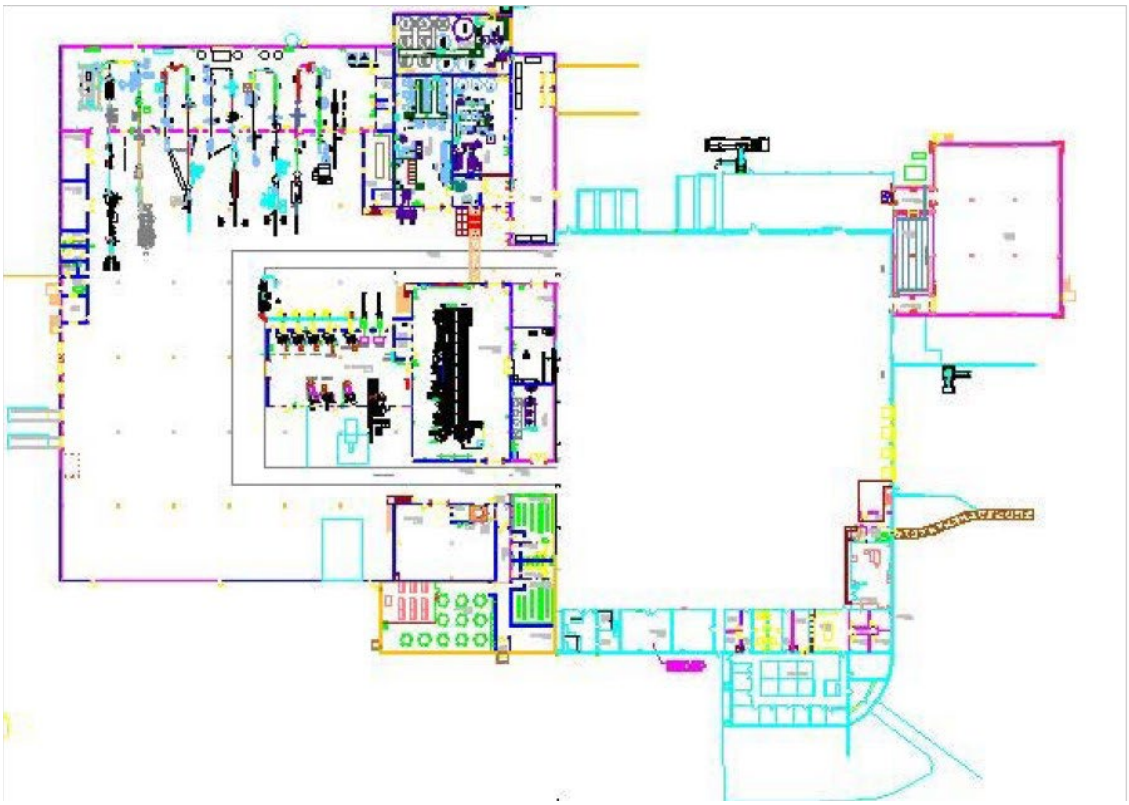
Special Resources Available at / from facility:
- The facility maintains a facility on-site emergency plan.

Special Resources Needed for Response:
The facility will not respond to hazardous materials emergency but will evacuate the facility and await the response to their 911 call.

General:
The facility is manned 24 hours a day and has about 300 employees.

Special Considerations:
None

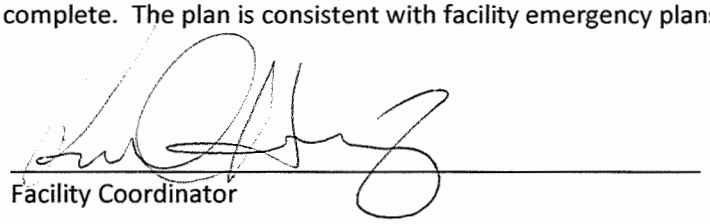
Facility Map Identifying Sulfuric Acid Storage:



NEW [X] UPDATE [ ] FINAL UPDATE [ ]

Facility Signatures:

I have reviewed the attached plan and to the best of my knowledge, all facility information is true, accurate, and complete. The plan is consistent with facility emergency plans and procedures.

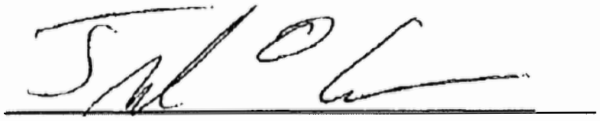


Facility Coordinator — Date: 5/10/2023

County Signatures:

I have reviewed the attached plan and to the best of my knowledge, all information is true, accurate, and complete.

County Local Emergency Planning Committee Chair — Date: 5/18/23



County Emergency Management Director — Date: 5/18/23

ATTACHMENT C, APPENDIX FOR FACILITY ID #161672
Wal-Mart #1669
3915 Gateway Drive
Eau Claire, WI 54701

Facility Coordinator:
David Einolf
Tier II POC
Work #: 715-834-0733
24 Hr. #: 479-204-3911
Email: dave@endeavourehs.com

1st Alternate Coordinator:
Walmart Alarm Central
Emergency Contact
Work #: 800-530-9924
24 Hour #: 470-204-3911
Email: cassie.clark@walmart.com

Extremely Hazardous Substance Present:

CAS. NO	CHEMICAL	MAX. AMT.	VUL.ZONE
7664-93-9	*Sulfuric Acid	1,600 lbs.	< 0.1 mi.

*EPA Extremely Hazardous Substance

Assumptions: Wal-Mart is a large 24-hour low-price discount retailer in which batteries containing EHS sulfuric acid are sold to the public for use in automobiles and day-to-day powered equipment use, as well as stored in a battery cage. The most common areas for batteries are in the automotive section as well as throughout the store. Sulfuric acid is present in batteries located throughout the store at an average of 1,600 lbs. in a concentration of 30% or less, battery electrolyte solution. The credible worst-case scenario involves the release of 90 lbs. of sulfuric acid in battery electrolyte solution at a concentration of 30% or less. The result is a vulnerability zone that would stay within the perimeters of the facility and would not affect any special facilities off-site. A leak of sulfuric acid would be detected by personnel that are on-site. If a leak were to be detected Walmart has staff, primarily maintenance, which is trained to take appropriate action. There are spill control kits located to the east of the used battery cage. The sulfuric acid at this facility is not aerosolized and will not present a threat to the community.

Scenario: The credible worst-case scenario for release would involve the largest battery/group of interconnected batteries that is damaged during operation or delivery releasing 90 lbs. of sulfuric acid in a concentration of 30% or less in a battery electrolyte solution. According to calculations derived from using Cameo for Hazard Analysis, the release would pose a hazard of <0.1 mile or 528 feet.

Primary Emergency Responders:

Eau Claire Police Department	715-839-4972
Eau Claire Fire Department	715-834-6868
Eau Claire Fire Department EMS	715-834-6868
Eau Claire County Emergency Management	715-829-8499

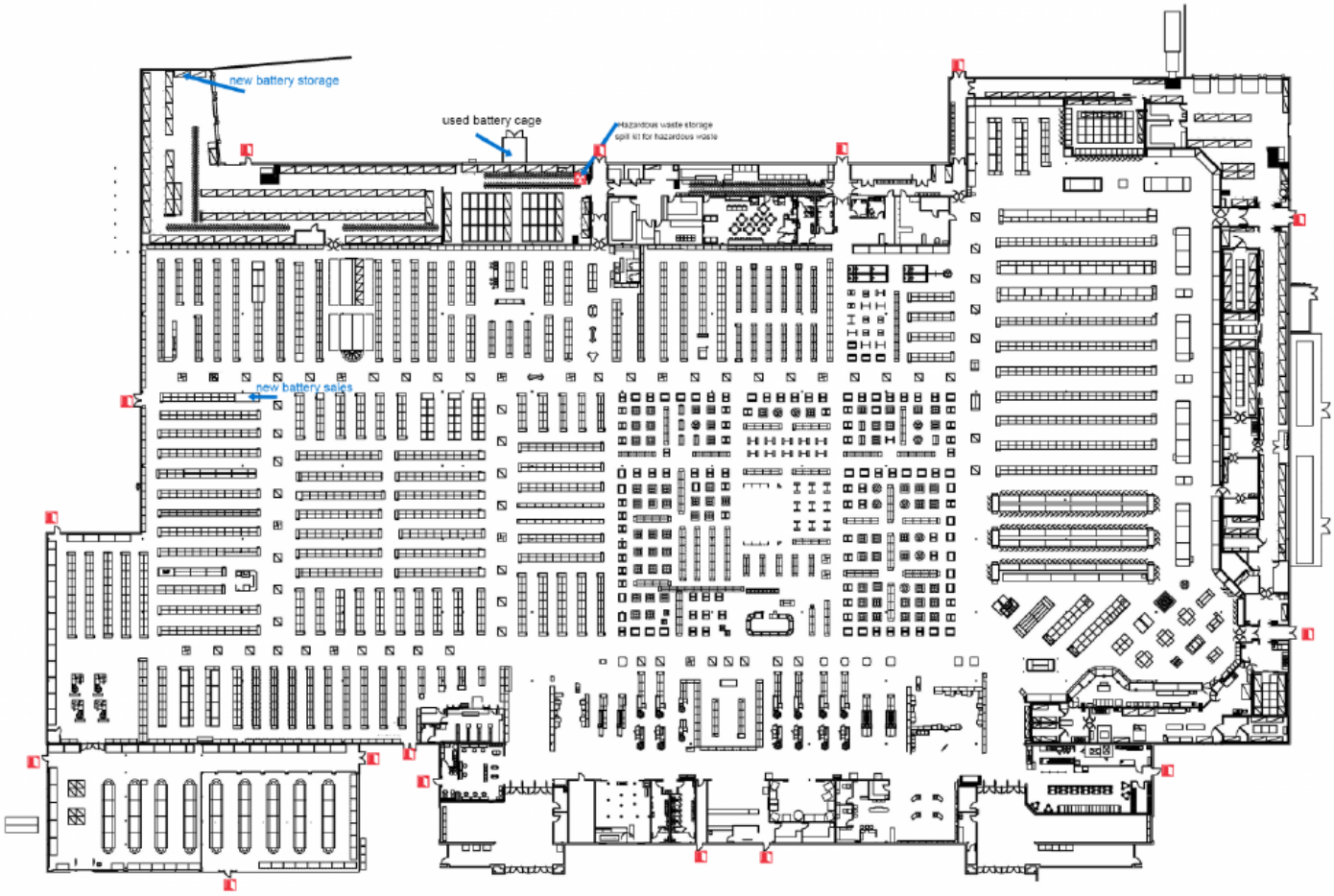
Special Resources Available at / from facility:
- The facility maintains a facility on-site emergency plan
- Spill Kit & Sewer Cover
- Splash Apron, Face Shields, Gloves and Goggles
- Absorbents and Neutralizers

Special Resources Needed for Response:
The facility will not respond to hazardous materials emergency but will evacuate the facility and await the response to their 911 call.

General:
Walmart is open and staffed Monday – Friday 10:00 a.m. – 8:30 p.m.; Saturday 9:00 a.m. – 8:30 p.m.; and Sunday 10:00 a.m. – 6:00 p.m.

Special Considerations:
None

Facility Map Identifying Sulfuric Acid Storage:



[redacted]

EPCRA HAZARDOUS MATERIALS FACILITY OFF-SITE PLAN

TRANSMITTAL FORM AND REVIEW GUIDE

COUNTY: **Eau Claire**

NEW [**X**] UPDATE [ ] FINAL UPDATE [ ]

Facility ID No. :161672

Facility Name: WAL-MART #1669

Facility Address:1048 Mary Lane, Eau Claire, WI 54703

STATEMENT OF PLANNING PROCESS

This plan has been prepared in accordance with state and local requirements and is ready to be made a part of the County Emergency Operations Plan (EOP) / Emergency Response Plan (ERP) upon Wisconsin Emergency Management (WEM) / State Emergency Response Commission (SERC) acceptance. This plan meets the facility off-site planning guidance as established by WEM / SERC. Acceptance of this plan is for planning purposes and does not verify facility compliance with the requirements of EPCRA.

FACILITY SIGNATURES:

I have reviewed the attached plan and to the best of my knowledge, all facility information is true, accurate, and complete. The plan is consistent with facility emergency plans and procedures.

Facility Coordinator — Date: 8/18/2023

COUNTY SIGNATURES

I have reviewed the attached plan and to the best of my knowledge, all information is true, accurate, and complete.

County Local Emergency Planning Committee Chair — Date: 9/14/23

County Emergency Management Director — Date: 9/14/23

WEM / SERC ACCEPTANCE:

This plan has been reviewed and meets the off-site planning guidance as established by WEM / SERC.

WEM Regional Director — Date

NOTE: Facility Off-Site Plan Review Guide attached: Yes [ ] No [X]

ATTACHMENT C, APPENDIX FOR FACILITY ID #198598
WI-4410_Charter Communications_Eau Claire
1048 Mary Lane
Eau Claire, WI 54703

Facility Coordinator:
Darwin Thompson
Manager, ISP
Work #: 715-955-4485
24 Hr. #: 715-214-4358
Email: darwin.thompson@charter.com

1st Alternate Coordinator:
Michael Tate
Vice President, ISP
Work #: 203-705-4821
24 Hour #: 734-589-9372
Email: michael.tate@charter.com

Extremely Hazardous Substance Present:

CAS. NO	CHEMICAL	MAX. AMT.	VUL.ZONE
7664-93-9	*Sulfuric Acid	7,801 lbs.	< 0.1 mi.

*EPA Extremely Hazardous Substance

Assumptions: WI-4410_Charter Communications_Eau Claire is a process and distribution site for internet, video, network equipment, and VOIP services. Sulfuric Acid is stored in lead batteries in the server rooms. Batteries are replaced at the end of their life cycle in accordance with local, state, and federal law. Sulfuric Acid is present at 7,801 lbs. in a concentration of 30% or less, battery electrolyte solution. The credible worst-case scenario involves a release of 2,341 lbs. of Sulfuric Acid in battery electrolyte solution at a concentration of 30% or less. The result is a vulnerability zone that would stay within the perimeters of the facility and would not affect any special facilities off-site. If an incident occurs on a weekday, the maximum number of employees affected is five.

Scenario: The credible worst-case scenario for release would involve the largest battery/group of interconnected batteries that are damaged during operation releasing 2,341 lbs. of sulfuric acid in a concentration of 30% or less in a battery electrolyte solution. According to calculations derived from using Cameo for Hazard Analysis, the release would pose a hazard of <0.1 mile or 528 feet.

Primary Emergency Responders:

Eau Claire County Sheriff's Office	715-839-4972
Eau Claire Fire Department	715-839-5013
Eau Claire Fire Department EMS	715-839-5013
Eau Claire County Emergency Management	715-829-8499

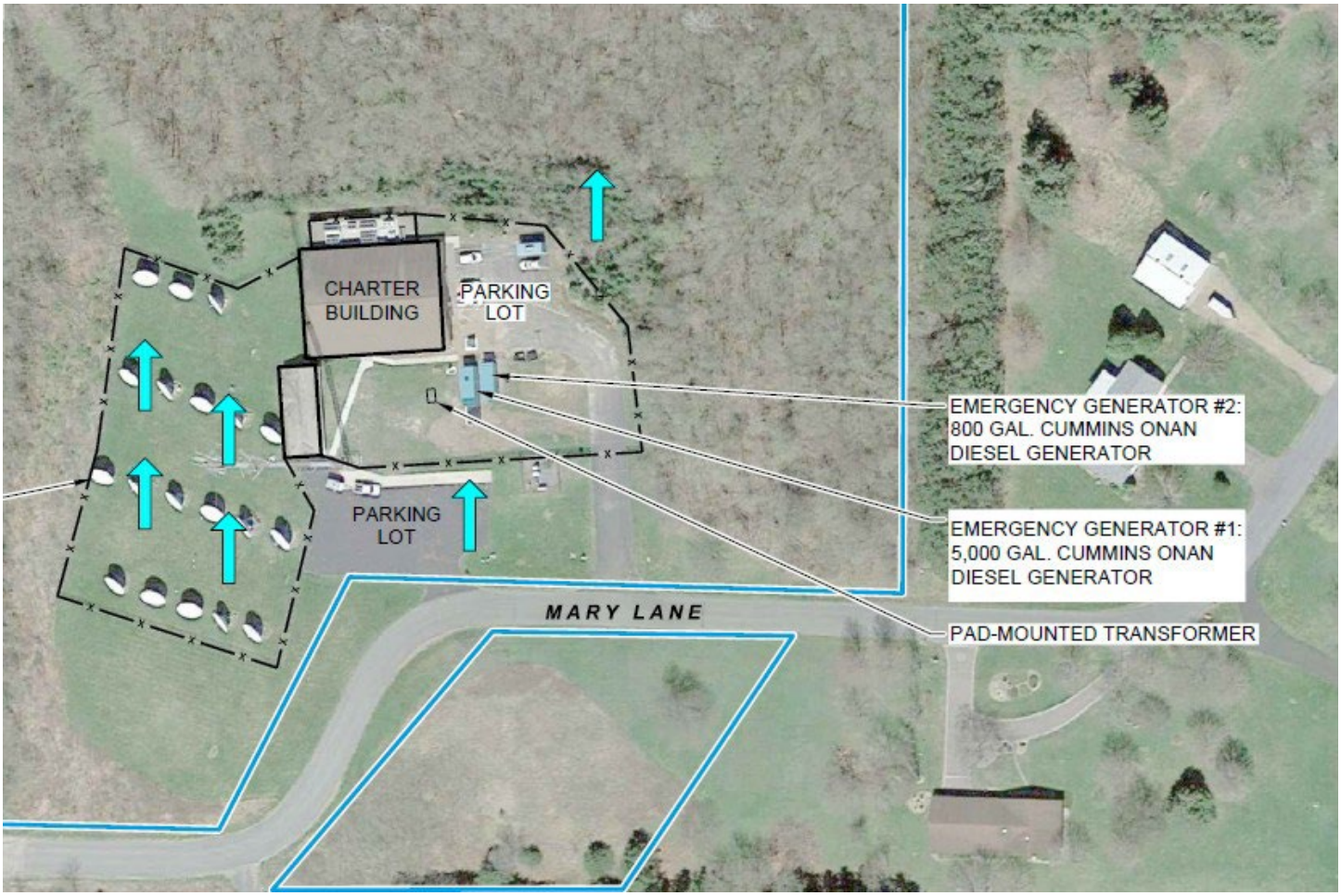
Special Resources Available at / from facility:
Monitored by Charter National Operations Centers (NOC) and has staff on site.

Special Resources Needed for Response:
The facility will not respond to hazardous materials emergency but will evacuate the facility and await the response to their 911 call. There are two access points to the property. Both driveways are located on Mary Lane. The eastern driveway is connected to the principal structure, while the western driveway provides access to the onsite satellite dishes, tower, and accessory building.

General:
WI-4410_Charter Communications_Eau Claire operates five days per week (Monday – Friday) at 24-hour shifts with the weekends being covered by on-call. There is a direct phone number to the facility that is answered when staff are present. The number is: 715-834-2631.

Special Considerations:
The Vulnerability Zone affects approximately 4 housing units within 0.1 mile of the facility. The population in this area is estimated to be 13 people.

Facility Map Identifying Sulfuric Acid Storage:



NEW [ ] UPDATE [X] FINAL UPDATE [ ]

Facility Signatures:

I have reviewed the attached plan and to the best of my knowledge, all facility information is true, accurate, and complete. The plan is consistent with facility emergency plans and procedures.

Darwin Thompson _____ 3/6/2025

Facility Coordinator Date

County Signatures:

I have reviewed the attached plan and to the best of my knowledge, all information is true, accurate, and complete.

_____ _____

County Local Emergency Planning Committee Chair Date

_____ _____

County Emergency Management Director Date

ATTACHMENT C, APPENDIX FOR FACILITY ID #199193
AT&T SOUTH BARSTOW (P10602)
404 SOUTH BARSTOW
EAU CLAIRE WI, WI 54701

Facility Coordinator:
Darren Merhalski
Property Manager
Work #: 262-225-6965
24 Hr. #: 920-939-1175
Email: dm488q@att.com

1st Alternate Coordinator:
Jermey McGrue
National EPCRA Manager
Work #: 469-295-2319
24 Hour #: 800-566-9357
Email: jeremy.mcgrue@att.com

Extremely Hazardous Substance Present:

CAS. NO	CHEMICAL	MAX. AMT.	VUL. ZONE
None			

NEW [ ] UPDATE [ ] FINAL UPDATE [X]

Facility Signatures:

I have reviewed the attached plan and to the best of my knowledge, all facility information is true, accurate, and complete. The plan is consistent with facility emergency plans and procedures.

Jeremy McGrue _____ 1/9/2024
Facility Coordinator Date

County Signatures:

I have reviewed the attached plan and to the best of my knowledge, all information is true, accurate, and complete.

_____ 5-1-24
County Local Emergency Planning Committee Chair Date

_____ 5-1-24
County Emergency Management Director Date

ATTACHMENT C, APPENDIX FOR FACILITY ID #13019 **R9/2024**

AT&T PK0106
304 S DEWEY ST
EAU CLAIRE WI, WI 54701

Facility Coordinator:
Darren Merhalski
Property Manager
Work #: 262-225-6965
24 Hr. #: 920-939-1175
Email: dm488q@att.com

1st Alternate Coordinator:
Jeremy McGrue
National EPCRA Manager
Work #: 469-295-2319
24 Hour #: 800-566-9357
Email: jeremy.mcgrue@att.com

Extremely Hazardous Substance Present:

CAS. NO	CHEMICAL	MAX. AMT.	VUL.ZONE
7664-93-9	*Sulfuric Acid	7,968 lbs.	< 0.1 mi.

*EPA Extremely Hazardous Substance

Assumptions: This AT&T Facility provides backup power during power failures. The facility will operate for five to eight hours on battery without a generator. With generator power the facility can maintain service for an extended time as long as fuel is available. Sulfuric acid is present at 7,968 lbs. in a concentration of 30% or less, battery electrolyte solution. While the facility has 7,968 lbs. of sulfuric acid on site, the amount in the largest container is 46 lbs. The credible worst-case scenario involves a release of 46 lbs. of sulfuric acid in battery electrolyte solution at a concentration of 30% or less. The result is a vulnerability zone that would stay within the perimeters of the facility and would not affect any special facilities off-site. The maximum number of employees affected is 18.

Scenario: The credible worst-case scenario for release would involve the largest battery/group of interconnected batteries that is damaged during operation or delivery releasing 46 lbs. of sulfuric acid in a concentration of 30% or less in a battery electrolyte solution. According to calculations derived from using Cameo for Hazard Analysis, the release would pose a hazard of <0.1 mile or 528 feet.

Primary Emergency Responders:

City of Eau Claire Police Department	715-839-4972
Eau Claire Fire Department	715-839-5013
Eau Claire Fire Department EMS	715-839-5013
Eau Claire County Emergency Management	715-829-8499

Special Resources Available at / from facility:
- Monitored by two off-site alarm systems
- Spill kit

Special Resources Needed for Response:
The facility will not respond to hazardous materials emergency but will evacuate the facility and await the response to their 911 call.

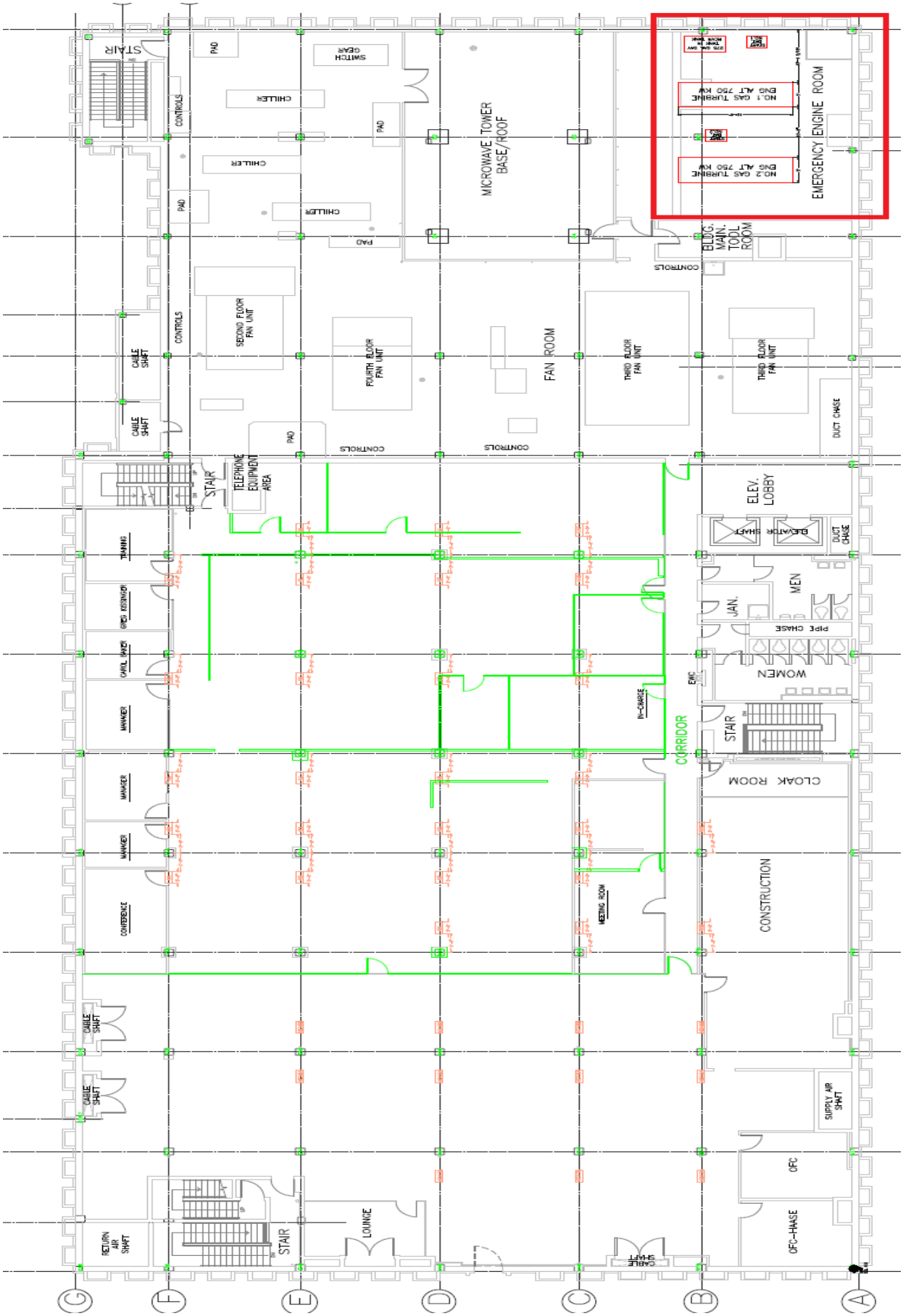
General:
AT&T PK0106 operates 5 days per week, 8:00 a.m. – 4:30 p.m.

Special Considerations:
None

Control Point:
The facility has multiple access points on Dewey Street, as well as a service entrance located off of the Grand Avenue Parking Lot.

Facility Map Identifying Sulfuric Acid Storage:

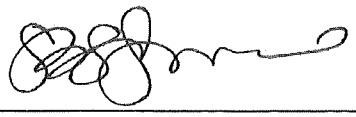
4th Floor Engine Room



NEW [X] UPDATE [ ] FINAL UPDATE [ ]

Facility Signatures:

I have reviewed the attached plan and to the best of my knowledge, all facility information is true, accurate, and complete. The plan is consistent with facility emergency plans and procedures.

Jeremy McGrue  1/10/2024

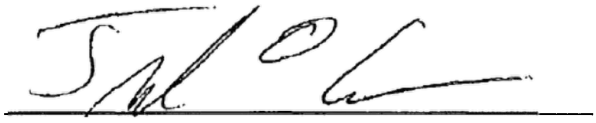
Facility Coordinator Date

County Signatures:

I have reviewed the attached plan and to the best of my knowledge, all information is true, accurate, and complete.

 5-1-24

County Local Emergency Planning Committee Chair Date

 5-1-24

County Emergency Management Director Date

ATTACHMENT C, APPENDIX FOR FACILITY ID 203447 **R9/2024**

WSC EAU CLAIRE
4200 WHITE AVE
EAU CLAIRE, WI 54703

Facility Coordinator:
Jeffrey Vaile
Distribution Manager
Work #: 920-371-5912
24 Hr. #: 920-371-5912
Email: Jeffrey.vaile@wausausupply.com

1st Alternate Coordinator:
Kris Zwicky
Safety & Environmental Manager
Work #: 715-297-9227
24 Hour #: 715-297-9227
Email: kris.zwicky@wausausupply.com

Extremely Hazardous Substance Present:

CAS. NO	CHEMICAL	MAX. AMT.	VUL.ZONE
7664-93-9	*Sulfuric Acid	2250 lbs.	< 0.1 mi.

*EPA Extremely Hazardous Substance

Assumptions: WSC Eau Claire is a warehouse facility that utilizes battery operated material handling equipment containing EHS sulfuric acid. Sulfuric acid is present at 2250 lbs. in a concentration of 30% or less, battery electrolyte solution. The credible worst-case scenario involves a release of 1444 lbs. of sulfuric acid in battery electrolyte solution at a concentration of 30% or less. The result is a vulnerability zone that would stay within the perimeters of the facility and would not affect any special facilities off-site. The maximum number of employees affected is 20.

Scenario: The credible worst-case scenario for release would involve the largest battery/group of interconnected batteries that is damaged during operation or delivery releasing 1444 lbs. of sulfuric acid in a concentration of 30% or less in a battery electrolyte solution. According to calculations derived from using Cameo for Hazard Analysis, the release would pose a hazard of <0.1 mile or 528 feet.

Primary Emergency Responders:

Eau Claire Police Department	715-839-4972
Eau Claire Fire Department	715-839-5013
Eau Claire Fire Department EMS	715-839-5013
Eau Claire County Emergency Management	715-829-8499

Special Resources Available at / from facility:

- The facility maintains a facility on-site emergency plan
- Splash Apron, Face Shields, Gloves and Goggles
- Absorbents and Neutralizers

Special Resources Needed for Response:

The facility will not respond to hazardous materials emergency but will evacuate the facility and await the response to their 911 call.

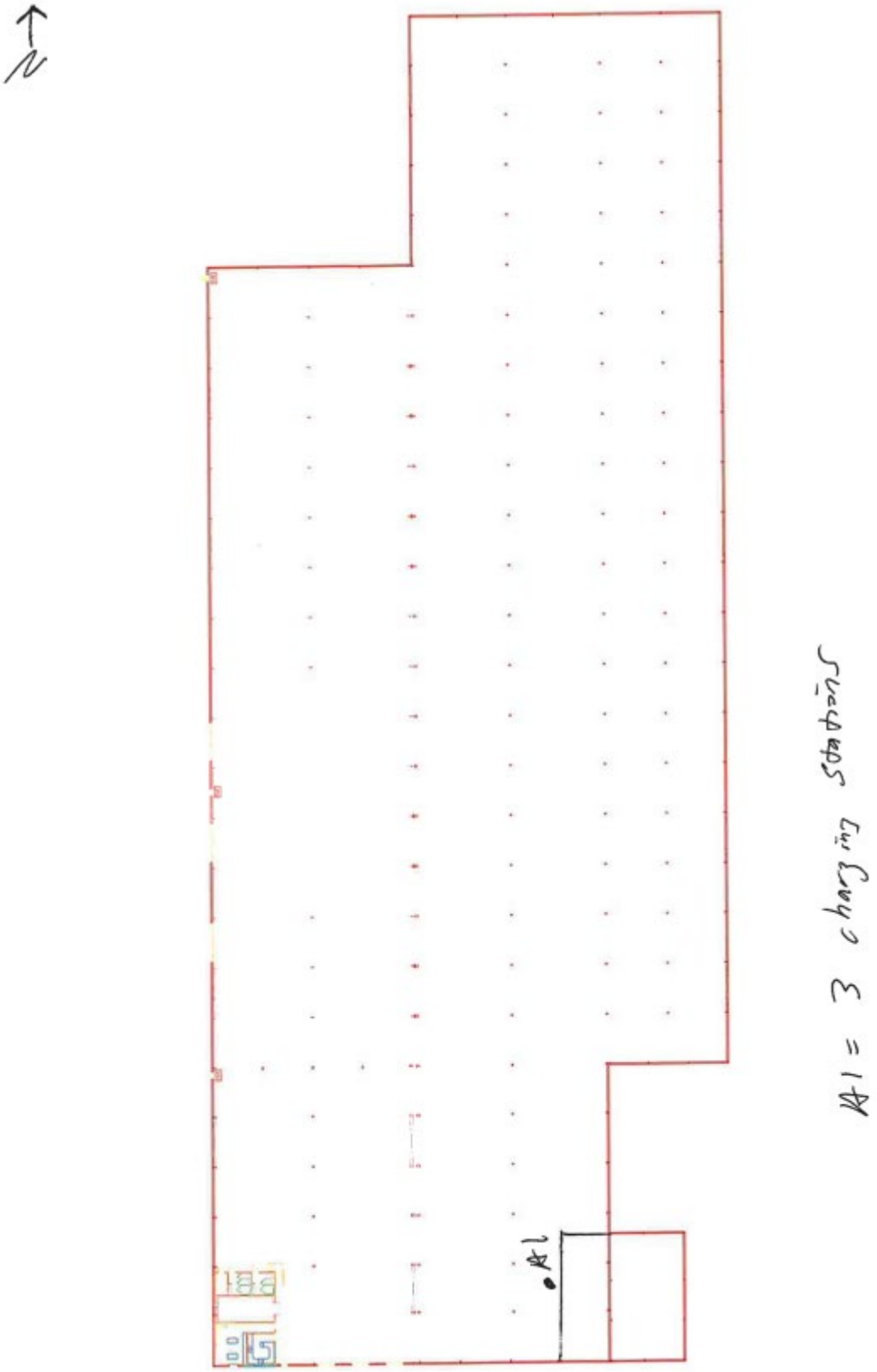
General:

WSC Eau Claire operates 5 days per week (Monday-Thursday); 6am-6pm & (Friday); 6am-5pm.

Special Considerations:

None

Facility Map Identifying Sulfuric Acid Storage:



NEW [X] UPDATE [ ] FINAL UPDATE [ ]

Facility Signatures:

I have reviewed the attached plan and to the best of my knowledge, all facility information is true, accurate, and complete. The plan is consistent with facility emergency plans and procedures.

Facility Coordinator — Date: 4-4-24

County Signatures:

I have reviewed the attached plan and to the best of my knowledge, all information is true, accurate, and complete.

County Local Emergency Planning Committee Chair — Date: 5-1-24

County Emergency Management Director — Date: 5-1-24

ATTACHMENT C, APPENDIX FOR FACILITY ID #99570 **R9/2024**

XCEL ENERGY – EAU CLAIRE SUBSTATION
3803 WELLS ROAD
EAU CLAIRE, WI 54703

Facility Coordinator:
Jason Hayden
Sr Operations Manager
Work #: 715-737-1466
24 Hr. #: 715-461-0001
Email: jason.d.hayden@xcelenergy.com

1st Alternate Coordinator:
NSP Transmission Control Center
Operator
Work #: 715-737-2610
24 Hour #: 715-7367-2610
Email: witransmissionoper@xcelenergy.com

Extremely Hazardous Substance Present:

CAS. NO	CHEMICAL	MAX. AMT.	VUL.ZONE
7664-93-9	*Sulfuric Acid	6,550 lbs.	< 0.1 mi.

*EPA Extremely Hazardous Substance

Assumptions: Xcel Energy-Eau Claire Substation is an unmanned electrical substation facility that stores batteries containing EHS sulfuric acid. Sulfuric acid is present at 6,550 lbs. in a concentration of 20% or less, battery electrolyte solution. The credible worst-case scenario involves a release of 1,310 lbs. of sulfuric acid in battery electrolyte solution at a concentration of 20% or less. The result is a vulnerability zone that would stay within the perimeters of the facility and would not affect any special facilities off-site. The batteries are kept in a coated steel containment structure with spill pads and a neutralizing agent. The maximum number of employees affected is 0.

Scenario: The credible worst-case scenario for release would involve the largest battery that is damaged during operation or delivery releasing 1,310 lbs. of sulfuric acid in a concentration of 20% or less in a battery electrolyte solution. According to calculations derived from using Cameo for Hazard Analysis, the release would pose a hazard of <0.1 mile or 528 feet.

Primary Emergency Responders:

City of Eau Claire Police Department	715-839-4972
Eau Claire Fire Department	715-839-5013
Eau Claire Fire Department EMS	715-839-5013
Eau Claire County Emergency Management	715-829-8499

Special Resources Available at / from facility:

- Splash Apron, Face Shields, Gloves and Goggles
- Absorbents and Neutralizers

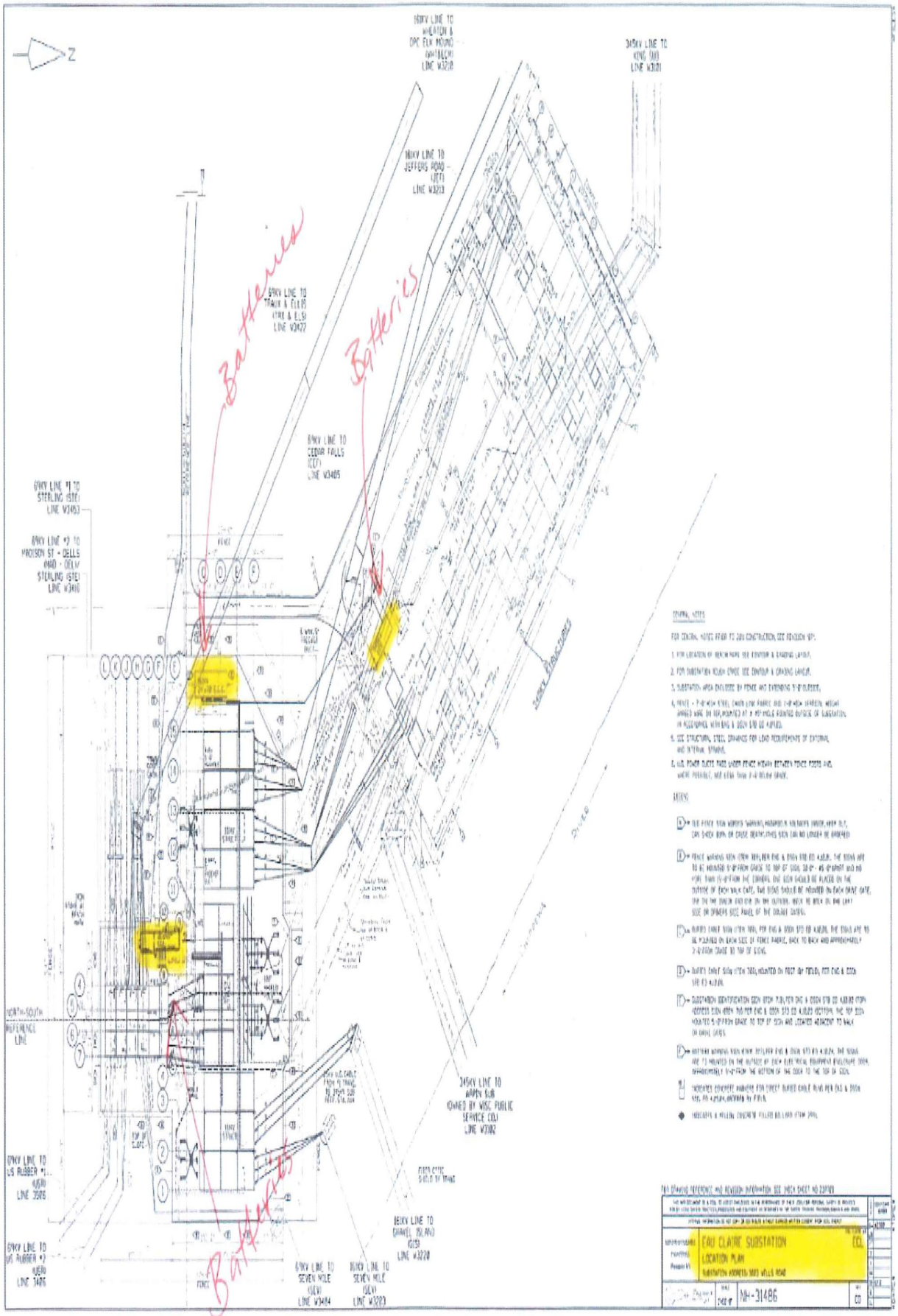
Special Resources Needed for Response:

A loss of power to the charger will result in an alarm being sent to Xcel Energy's dispatch center. A troubleman would be dispatched to the substation to investigate.

Special Considerations:

None

Facility Map Identifying Sulfuric Acid Storage:



NEW [X] UPDATE [ ] FINAL UPDATE [ ]

Facility Signatures:

I have reviewed the attached plan and to the best of my knowledge, all facility information is true, accurate, and complete. The plan is consistent with facility emergency plans and procedures.

Jason Hayden Digitally signed by Jason Hayden
Date: 2024.02.27 09:13:58 -06'00'

Facility Coordinator Date

County Signatures:

I have reviewed the attached plan and to the best of my knowledge, all information is true, accurate, and complete.

5-1-24

County Local Emergency Planning Committee Chair Date

5-1-24

County Emergency Management Director Date

AIRGAS USA, LLC

Facility Off-Site
Emergency Response Plan

Facility #197261
Airgas USA, LLC
1635 Prairie Lane
Eau Claire, Wisconsin 54703

EAU CLAIRE COUNTY
Office of Emergency Management
721 Oxford Avenue, Suite 3344
Eau Claire, Wisconsin 54703

TABLE OF CONTENTS

SECTION 1: FACILITY INFORMATION

A. FACILITY LOCATION:

Airgas USA, LLC
1635 Prairie Lane
Eau Claire, WI 54703

B. FACILITY ID

197261

C. EMERGENCY CONTACTS

Primary:
Holly Odell, Safety Manager
Phone: 920-740-4175
24 Hour: 920-740-4175
holly.odell@airgas.com

Secondary:
24 Hour Emergency
Phone: 866-734-3438
24 Hour: 866-734-3438
holly.odell@airgas.com

D. ACCESS TO FACILITY

The facility is in a commercial district north of North Crossing and East of Clairemont Avenue and served by a single access point on Prairie Lane. The parking lot to the south of the building accommodates 21 vehicles; deliveries via tractor trailer can be made on the north side of the building using any of the five loading bays with direct access to the warehouse.

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

Ammonia (Anhydrous) Chemical ID: 555462 CAS: 7664-41-7 **ERG: Guide 125**	**Inventory:** Max Daily Amount (lbs): 1050 Ave. Daily Amount (lbs): 238 Number of days on site: 365	**Storage:** Container: Cylinder Location: NE Truck Dock

F. HAZARDOUS SUBSTANCES

Argon Chemical ID: 555460 CAS: 7440-37-1 **ERG: Guide 121**	**Inventory:** Max Daily Amount (lbs): 6334 Ave. Daily Amount (lbs): 2890 Number of days on site: 365	**Storage:** Container: Cylinder Location: NW Corner of Building. NE Inside Corner of Building
Carbon Dioxide Chemical ID: 555458 CAS: 124-38-9 **ERG: Guide 120**	**Inventory:** Max Daily Amount (lbs): 5864 Ave. Daily Amount (lbs): 2621 Number of days on site: 365	**Storage:** Container: Cylinder, Tote Bin Location: Inside NE Area of Warehouse, Warehouse

Nitrogen Chemical ID: 555461 CAS: 7727-37-9 **ERG: Guide 121**	**Inventory:** Max Daily Amount (lbs): 75555 Ave. Daily Amount (lbs): 49294 Number of days on site: 365	**Storage:** Container: Above Ground Tank, Cylinder Location: NE Outside Corner of Bldg, NE Inside Corner of Bldg, NW Inside Corner of Bldg
Oxygen Chemical ID: 555459 CAS: 7782-44-7 **ERG: Guide 122**	**Inventory:** Max Daily Amount (lbs): 73135 Ave. Daily Amount (lbs): 45195 Number of days on site: 365	**Storage:** Container: Cylinder, Above Ground Tank Location: NE Inside Corner of Bldg, NW Inside Corner of Bldg, NE Outside Corner of Bldg

SECTION II: EMERGENCY RESPONSE

A. PRIMARY EMERGENCY RESPONDERS:

- City of Eau Claire Police Department 715-839-4972
- Eau Claire Fire Department 715-839-5013
- Eau Claire Fire Department EMS 715-839-5013
- Eau Claire County Emergency Management 715-829-8499

B. HAZARDOUS MATERIALS RESPONSE TEAM

Eau Claire County has a Level B Hazardous Materials Response Team. For Level B response, the local Fire Chief notifies the Level B team of a response needed through the Eau Claire County Emergency Communications Center. For Level A responses by the Level A Regional Hazardous Materials Response Team, requests shall be made through the WEM Duty officer by the County Emergency Manager.

C. SUPPORT AND RESOURCES AVAILABLE FROM FACILITY

The facility is equipped with ammonia detectors and has access to first aid kits and fire extinguishers.

SECTION III: GENERAL INFORMATION AND ASSUMPTIONS

The vulnerability zones set forth in the 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 own individual agency pre-emergency plans and standard operating procedures as well as the County's Emergency Operations Plan (EOP) – Emergency Support Function (ESF) 4: Firefighting, 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 the Plan are for general PLANNING PURPOSES.

SECTION IV: HAZARD ANALYSIS

Airgas is a single-story warehouse, with 21,000 square feet of floor space and a small retail area on the south side of the building. Chemicals are stored in the warehouse area on the north side of the building or in outdoor above ground tanks located on the northeast corner of the building.

Ammonia (Anhydrous)

EHS Anhydrous Ammonia is present at Airgas in 150 lbs. cylinders. The maximum quantity stored at the facility is 1050 lbs. While the facility has 1050 lbs. of Ammonia onsite, the credible worst-case scenario (parameters listed below) would result from the rupture of one cylinder releasing 150 lbs. of Anhydrous Ammonia. The evaluation criteria based on the maximum cylinder size of Anhydrous Ammonia, calculates the evacuation area to be 0.8 miles using the scenario criteria listed below. The impact area would affect approximately 1,173 people (574 housing units) according to the CAMEO

modeling tool. According to FEMA's Resilience Analysis and Planning Tool as many as 61 households in this area do not have a vehicle and 210 households are without a smartphone.

The worst-case scenario criteria are:

- Neutral Air Stability (Class F)
- Night Time
- Open Country
- 3.35 mph wind
- 1/10 IDLH (Immediately Dangerous to Life and Health) concentration
- Rapid release of maximum quantity of chemical in a single vessel (10 min.)

Using the re-evaluation criteria listed below, the evacuation area for a release of 150 pounds of anhydrous ammonia is 0.2 miles. The impact area would affect approximately 0 people (0 housing units) according to the CAMEO modeling tool. A release would primarily affect employees within the immediate vicinity of the release.

The reevaluation scenario criteria are:

- Neutral Air Stability (Class D)
- Urban
- 11.9 mph wind
- 1/10 IDLH (Immediately Dangerous to Life and Health) concentration
- 10 minute release of maximum quantity of chemical in a single vessel

SECTION V: SPECIAL FACILITIES AFFECTED

Special facilities (hospitals, nursing homes, schools, day care centers, correctional facilities, and other high population facilities with limited transportation) within the worst-case scenario are listed below and are identified on the required vulnerability zone map located in Attachment 1.

Facility Name	Address	Phone	Distance
Brighter Beginnings ELC	1612 Truax Blvd, Eau Claire, WI 54703	715-831-9944	0.37
Dove Healthcare-West/Orchard Hills	1405 Truax Blvd, Eau Claire, WI 54703	715-552-1030	0.58
Stable Living LLP	3540 Jeffers Rd, Eau Claire, WI 54703	715-456-6305	0.62

SECTION VI: POPULATION PROTECTION

A. **SHELTER-IN-PLACE**

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.

B. **EVACUATION**

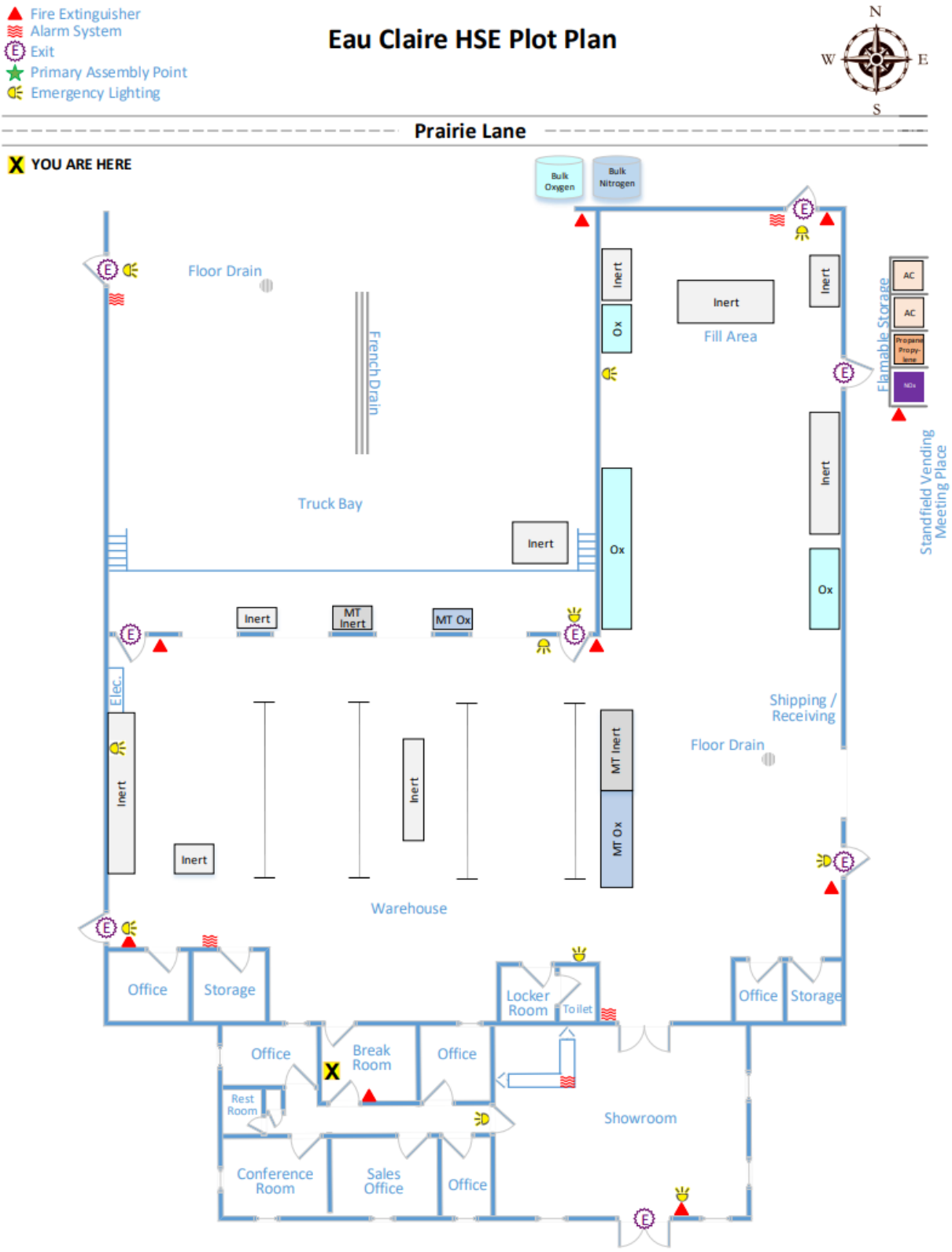
Experience indicates that shelter space would need to be provided for only 30% of the population within the initial isolation and evacuation zones and the remaining 70% would seek shelter with family and friends outside the risk zone.

SECTION VII: SPECIAL CONSIDERATIONS

A. POTENTIAL FOR AFFECTING OTHER JURISDICTIONS

Not applicable: The vulnerability zone is 0.8 miles and located within Eau Claire County.

SECTION VIII: SITE PLAN MAP

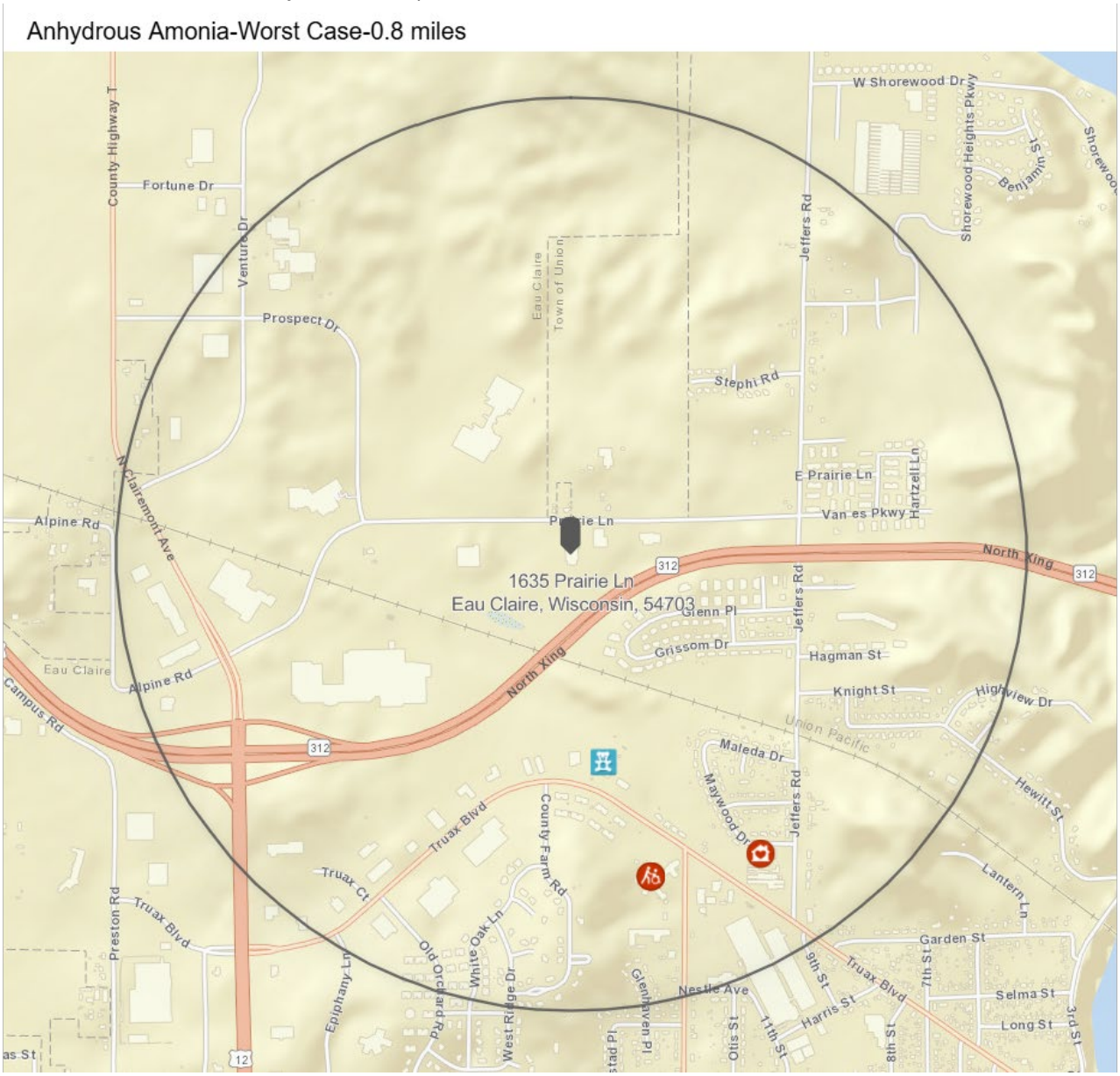


SECTION IX: DISTRIBUTION LIST

Facility
Eau Claire Fire Department
Wisconsin Emergency Management West Central Regional Office
Eau Claire Fire Department Hazmat
Eau Claire County Emergency Management Office

SECTION X: ATTACHMENTS

Attachment 1: Vulnerability Zone Maps



Anhydrous Amonia-Reevaluation-0.2 miles

Attachment 2: SDS Data Sheets

SAFETY DATA SHEET

Ammonia

Airgas
an Air Liquide company

Section 1. Identification

GHS product identifier : Ammonia

Chemical name : ammonia, anhydrous

Other means of identification : ammonia; anhydrous ammonia; Aqueous ammonia; Aqua ammonia

Product use : Synthetic/Analytical chemistry.

Synonym : ammonia; anhydrous ammonia; Aqueous ammonia; Aqua ammonia

SDS # : 001003

Supplier's details : Airgas USA, LLC and its affiliates
259 North Radnor-Chester Road
Suite 100
Radnor, PA 19087-5283
1-610-687-5253

24-hour telephone : 1-866-734-3438

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : FLAMMABLE GASES - Category 2
GASES UNDER PRESSURE - Liquefied gas
ACUTE TOXICITY (inhalation) - Category 4
SKIN CORROSION/IRRITATION - Category 1
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
AQUATIC HAZARD (ACUTE) - Category 1

GHS label elements

Hazard pictograms :

Signal word : Danger

Hazard statements : Flammable gas.
Contains gas under pressure; may explode if heated.
May cause frostbite.
May form explosive mixtures in Air.
Harmful if inhaled.
Causes severe skin burns and eye damage.
Very toxic to aquatic life.

Precautionary statements

General : Read and follow all Safety Data Sheets (SDS'S) before use. Close valve after each use and when empty. Use equipment rated for cylinder pressure. Do not open valve until connected to equipment prepared for use. Use a back flow preventative device in the piping. Use only equipment of compatible materials of construction. Always keep container in upright position. Approach suspected leak area with caution.

Prevention : Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Avoid breathing gas. Wash hands thoroughly after handling.

Section 2. Hazards identification

Response : Collect spillage. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician. Leaking gas fire: Do not extinguish, unless leak can be stopped safely. Eliminate all ignition sources if safe to do so.

Storage : Store locked up. Protect from sunlight when ambient temperature exceeds 52°C/125°F. Store in a well-ventilated place.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified : Liquid can cause burns similar to frostbite.

Section 3. Composition/information on ingredients

Substance/mixture : Substance

Chemical name : ammonia, anhydrous

Other means of identification : ammonia; anhydrous ammonia; Aqueous ammonia; Aqua ammonia

CAS number/other identifiers

CAS number : 7664-41-7

Product code : 001003

Ingredient name	%	CAS number
ammonia, anhydrous	100	7664-41-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

Inhalation : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Skin contact : Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. To avoid the risk of static discharges and gas ignition, soak contaminated clothing thoroughly with water before removing it. Continue to rinse for at least 10 minutes. In case of contact with liquid, warm frozen tissues slowly with lukewarm water and get medical attention. Do not rub affected area. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Section 4. First aid measures

Ingestion : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Chemical burns must be treated promptly by a physician. Ingestion of liquid can cause burns similar to frostbite. If frostbite occurs, get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. As this product rapidly becomes a gas when released, refer to the inhalation section.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Causes serious eye damage. Liquid can cause burns similar to frostbite.

Inhalation : Harmful if inhaled.

Skin contact : Causes severe burns. Dermal contact with rapidly evaporating liquid could result in freezing of the tissues or frostbite.

Frostbite : Try to warm up the frozen tissues and seek medical attention.

Ingestion : Ingestion of liquid can cause burns similar to frostbite.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:, pain, watering, redness, frostbite

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:, pain or irritation, redness, blistering may occur, frostbite

Ingestion : Adverse symptoms may include the following:, frostbite, stomach pains

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : Contains gas under pressure. Flammable gas. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is very toxic to aquatic life. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
nitrogen oxides

Section 5. Fire-fighting measures

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Contact supplier immediately for specialist advice. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. If involved in fire, shut off flow immediately if it can be done without risk. If this is impossible, withdraw from area and allow fire to burn. Fight fire from protected location or maximum possible distance. Eliminate all ignition sources if safe to do so.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. For incidents involving large quantities, thermally insulated undergarments and thick textile or leather gloves should be worn.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : Accidental releases pose a serious fire or explosion hazard. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe gas. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Ensure emergency procedures to deal with accidental gas releases are in place to avoid contamination of the environment. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

Methods and materials for containment and cleaning up

Small spill : Immediately contact emergency personnel. Stop leak if without risk. Use spark-proof tools and explosion-proof equipment.

Large spill : Immediately contact emergency personnel. Stop leak if without risk. Use spark-proof tools and explosion-proof equipment. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Contains gas under pressure. Do not get in eyes or on skin or clothing. Do not breathe gas. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Store and use away from heat, sparks, open flame or any other ignition source. Empty containers retain product residue and can be hazardous. Do not puncture or incinerate container. Use equipment rated for cylinder pressure. Close valve after each use and when empty. Protect cylinders from physical damage; do not drag, roll, slide, or drop. Use a suitable hand truck for cylinder movement.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in a segregated and approved area. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Store locked up. Eliminate all ignition sources. Keep container tightly closed and sealed until ready for use. Cylinders should be stored upright, with valve protection cap in place, and firmly secured to prevent falling or being knocked over. Cylinder temperatures should not exceed 52 °C (125 °F).
Refer to ANSI/CGA G-2.1, Section 5.13 for electrical classification of anhydrous ammonia storage and handling areas. Where anhydrous ammonia is stored indoors, use electrical (ventilating, lighting and material handling) equipment with the appropriate electrical classification rating and use only non-sparking tools.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
ammonia, anhydrous	**ACGIH TLV (United States, 3/2015).** STEL: 24 mg/m³ 15 minutes. STEL: 35 ppm 15 minutes. TWA: 17 mg/m³ 8 hours. TWA: 25 ppm 8 hours. **NIOSH REL (United States, 10/2013).** STEL: 27 mg/m³ 15 minutes. STEL: 35 ppm 15 minutes. TWA: 18 mg/m³ 10 hours. TWA: 25 ppm 10 hours. **OSHA PEL (United States, 2/2013).** TWA: 35 mg/m³ 8 hours. TWA: 50 ppm 8 hours. **OSHA PEL 1989 (United States, 3/1989).** STEL: 27 mg/m³ 15 minutes. STEL: 35 ppm 15 minutes.

Appropriate engineering controls : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use ventilation equipment with the appropriate electrical classification rating.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Skin protection

Section 8. Exposure controls/personal protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. If contact with the liquid is possible, insulated gloves suitable for low temperatures should be worn. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

Appearance

Physical state : Gas. [Liquefied gas]

Color : Colorless.

Molecular weight : 17.03 g/mole

Molecular formula : H3-N

Boiling/condensation point : -33°C (-27.4°F)

Melting/freezing point : -77.7°C (-107.9°F)

Critical temperature : 132.85°C (271.1°F)

Odor : Pungent.

Odor threshold : Not available.

pH : Not available.

Flash point : Not available.

Burning time : Not applicable.

Burning rate : Not applicable.

Evaporation rate : Not available.

Flammability (solid, gas) : Extremely flammable in the presence of the following materials or conditions: oxidizing materials.

Lower and upper explosive (flammable) limits : Lower: 15%
Upper: 28%

Vapor pressure : 114.1 (psig)

Vapor density : 0.59 (Air = 1)

Specific Volume (ft^3/lb) : 22.7273

Gas Density (lb/ft^3) : 0.044

Relative density : Not applicable.

Solubility : Not available

Solubility in water : 540 g/l

Partition coefficient: n-octanol/water : Not available.

Auto-ignition temperature : 651°C (1203.8°F)

Decomposition temperature : Not available.

Section 9. Physical and chemical properties

SADT : Not available.

Viscosity : Not applicable.

Physical/chemical properties comments : SPECIFIC GRAVITY (AIR=1): @ 70°F (21.1°C) = 0.59
PH: Approx. 11.6 for 1 N Sol'n. in water

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

Incompatible materials : Oxidizers

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Hazardous polymerization : Under normal conditions of storage and use, hazardous polymerization will not occur.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
ammonia, anhydrous	LC50 Inhalation Gas.	Rat	7338 ppm	1 hours

IDLH : 300 ppm

Irritation/Corrosion

Not available.

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Section 11. Toxicological information

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : Causes serious eye damage. Liquid can cause burns similar to frostbite.

Inhalation : Harmful if inhaled.

Skin contact : Causes severe burns. Dermal contact with rapidly evaporating liquid could result in freezing of the tissues or frostbite.

Ingestion : Ingestion of liquid can cause burns similar to frostbite.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:, pain, watering, redness, frostbite

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:, pain or irritation, redness, blistering may occur, frostbite

Ingestion : Adverse symptoms may include the following:, frostbite, stomach pains

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Other information : IDLH : 300 ppm

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
ammonia, anhydrous	Acute EC50 29.2 mg/l Marine water Acute LC50 2080 µg/l Fresh water Acute LC50 0.53 ppm Fresh water Acute LC50 300 µg/l Fresh water Chronic NOEC 0.204 mg/l Marine water	Algae - Ulva fasciata - Zoea Crustaceans - Gammarus pulex Daphnia - Daphnia magna Fish - Hypophthalmichthys nobilis Fish - Dicentrarchus labrax	96 hours 48 hours 48 hours 96 hours 62 days

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient (K_{OC}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Empty Airgas-owned pressure vessels should be returned to Airgas. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.

Section 14. Transport information

	DOT	TDG	Mexico	IMDG	IATA
UN number	UN1005	UN1005	UN1005	UN1005	UN1005
UN proper shipping name	AMMONIA, ANHYDROUS	AMMONIA, ANHYDROUS; OR ANHYDROUS AMMONIA	AMMONIA, ANHYDROUS	AMMONIA, ANHYDROUS	AMMONIA, ANHYDROUS
Transport hazard class(es)	2.2 	2.3 (8) 	2.3 (8) 	2.3 (8) 	2.3 (8) 
Packing group	-	-	-	-	-
Environment	No.	No.	No.	Yes.	No.

Section 14. Transport information

Additional information	Inhalation hazard This product is not regulated as a marine pollutant when transported on inland waterways in sizes of ≤5 L or ≤5 kg or by road, rail, or inland air in non-bulk sizes, provided the packagings meet the general provisions of §§ 173.24 and 173.24a. **Reportable quantity** 100 lbs / 45.4 kg Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements. **Limited quantity** Yes. **Packaging instruction** **Passenger aircraft** Quantity limitation: Forbidden. **Cargo aircraft** Quantity limitation: Forbidden. **Special provisions** 13,T50	Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.13-2.17 (Class 2), 2.40-2.42 (Class 8), 2.7 (Marine pollutant mark). The marine pollutant mark is not required when transported by road or rail. **Explosive Limit and Limited Quantity Index** 0 **ERAP Index** 3000 **Passenger Carrying Ship Index** Forbidden **Passenger Carrying Road or Rail Index** Forbidden **Special provisions**	Toxic Inhalation Hazard Zone D	The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.	The environmentally hazardous substance mark may appear if required by other transportation regulations. **Passenger and Cargo Aircraft**Quantity limitation: 0 Forbidden **Cargo Aircraft Only** Quantity limitation: Forbidden

"Refer to CFR 49 (or authority having jurisdiction) to determine the information required for shipment of the product."

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 8(a) CDR Exempt/Partial exemption**: Not determined

United States inventory (TSCA 8b): This material is listed or exempted.

Clean Water Act (CWA) 311: ammonia, anhydrous

Clean Air Act (CAA) 112 regulated toxic substances: ammonia, anhydrous

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

Section 15. Regulatory information

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

Name	%	EHS	SARA 302 TPQ (lbs)	SARA 302 TPQ (gallons)	SARA 304 RQ (lbs)	SARA 304 RQ (gallons)
ammonia, anhydrous	100	Yes.	500	-	100	-

SARA 304 RQ : 100 lbs / 45.4 kg

SARA 311/312

Classification : Fire hazard
Sudden release of pressure
Immediate (acute) health hazard

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
ammonia, anhydrous	100	Yes.	Yes.	No.	Yes.	No.

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	ammonia, anhydrous	7664-41-7	100
Supplier notification	ammonia, anhydrous	7664-41-7	100

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts : This material is listed.
New York : This material is listed.
New Jersey : This material is listed.
Pennsylvania : This material is listed.

International regulations

International lists

National inventory

Australia : This material is listed or exempted.
Canada : This material is listed or exempted.
China : This material is listed or exempted.
Europe : This material is listed or exempted.
Japan : This material is listed or exempted.
Malaysia : This material is listed or exempted.
New Zealand : This material is listed or exempted.
Philippines : This material is listed or exempted.
Republic of Korea : This material is listed or exempted.
Taiwan : This material is listed or exempted.

Canada

WHMIS (Canada) : Class A: Compressed gas.
Class B-1: Flammable gas.
Class D-1A: Material causing immediate and serious toxic effects (Very toxic).
Class E: Corrosive material

Section 15. Regulatory information

CEPA Toxic substances: This material is listed.
Canadian ARET: This material is not listed.
Canadian NPRI: This material is listed.
Alberta Designated Substances: This material is not listed.
Ontario Designated Substances: This material is not listed.
Quebec Designated Substances: This material is not listed.

Section 16. Other information

Canada Label requirements : Class A: Compressed gas.
Class B-1: Flammable gas.
Class D-1A: Material causing immediate and serious toxic effects (Very toxic).
Class E: Corrosive material

Hazardous Material Information System (U.S.A.)

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on SDSs under 29 CFR 1910. 1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)

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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Procedure used to derive the classification

Classification	Justification
Flam. Gas 2, H221	Expert judgment
Press. Gas Liq. Gas, H280	Expert judgment
Acute Tox. 4, H332	Expert judgment
Skin Corr. 1, H314	Expert judgment
Eye Dam. 1, H318	Expert judgment
Aquatic Acute 1, H400	Expert judgment

History

Date of printing : 1/5/2017
Date of issue/Date of revision : 1/5/2017
Date of previous issue : 12/20/2016
Version : 0.09

Section 16. Other information

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

References : Not available.

Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Attachment 3: Vulnerability Zone Calculations

Al

Facility Name: Airgas USA, LLC - Eau Claire, WI N161 Report Year: 2024 City: EAU CLAIRE State: WI

Chemical Name: AMMONIA (ANHYDROUS) CAS Number: 7664-41-7

Screening Name: Worst Case

Screening Description

Amount Released	150	pounds
Concentration	100	% by weight
Release Duration	10	minutes
Physical State	(•) Gas ( ) Liquid ( ) Solid	
Surface area within dike		sq ft (enter a value only if stored in a container with a dike)
Atmospheric Concentration Level of Concern	0.035	gm/m^3

Matches the EPA Green Book LOC value for this chemical.

Weather Information

Wind Speed	3.35	mph
Ground Roughness	Open Country	
Stability Class	F	

Risk Assessment

Risk		Probability of described accident occurring
Consequences		Severity of consequences to people
Overall Risk		Combination of probability and severity of consequences

Estimate Threat Zone Radius Threat Zone Radius 0.8 miles Show on Map

Al

Facility Name: Airgas USA, LLC - Eau Claire, WI N161 Report Year: 2024 City: EAU CLAIRE State: WI

Chemical Name: AMMONIA (ANHYDROUS) CAS Number: 7664-41-7

Scenario Name: Re-evaluation

Scenario Description

Amount Released: 150 pounds

Concentration: 100 % by weight

Release Duration: 10 minutes

Physical State: (•) Gas ( ) Liquid ( ) Solid

Surface area within dike: sq ft (enter a value only if stored in a container with a dike)

Atmospheric Concentration Level of Concern: 0.035 gm/m^3

Matches the EPA Green Book LOC value for this chemical.

Weather Information

Wind Speed: 3.35 mph

Wind From: degrees clockwise from 0 N (for example 45 means wind from NE)

Ground Roughness: Urban or Forest

Stability Class: F

Risk Assessment

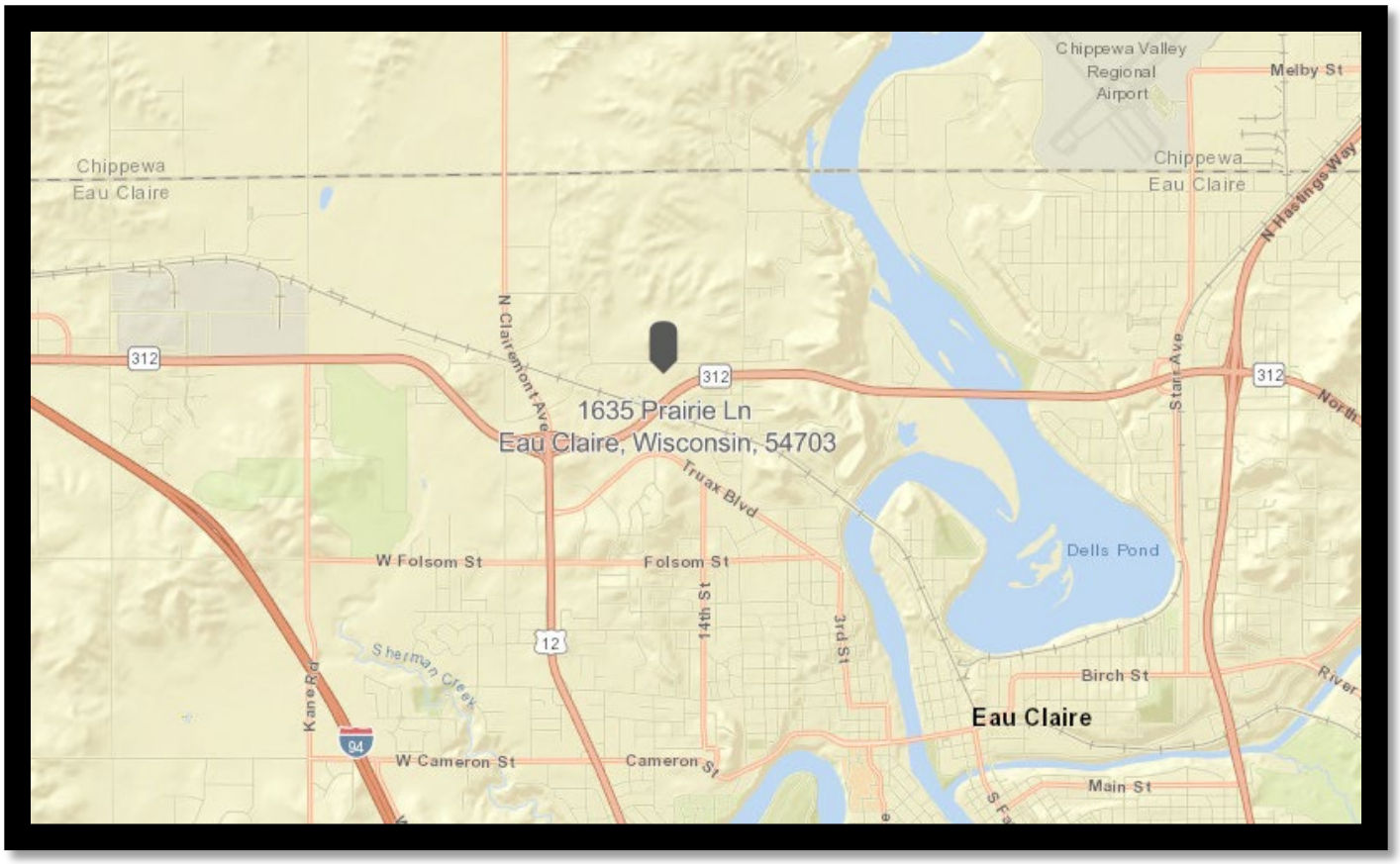
Risk: Probability of described accident occurring

Consequences: Severity of consequences to people

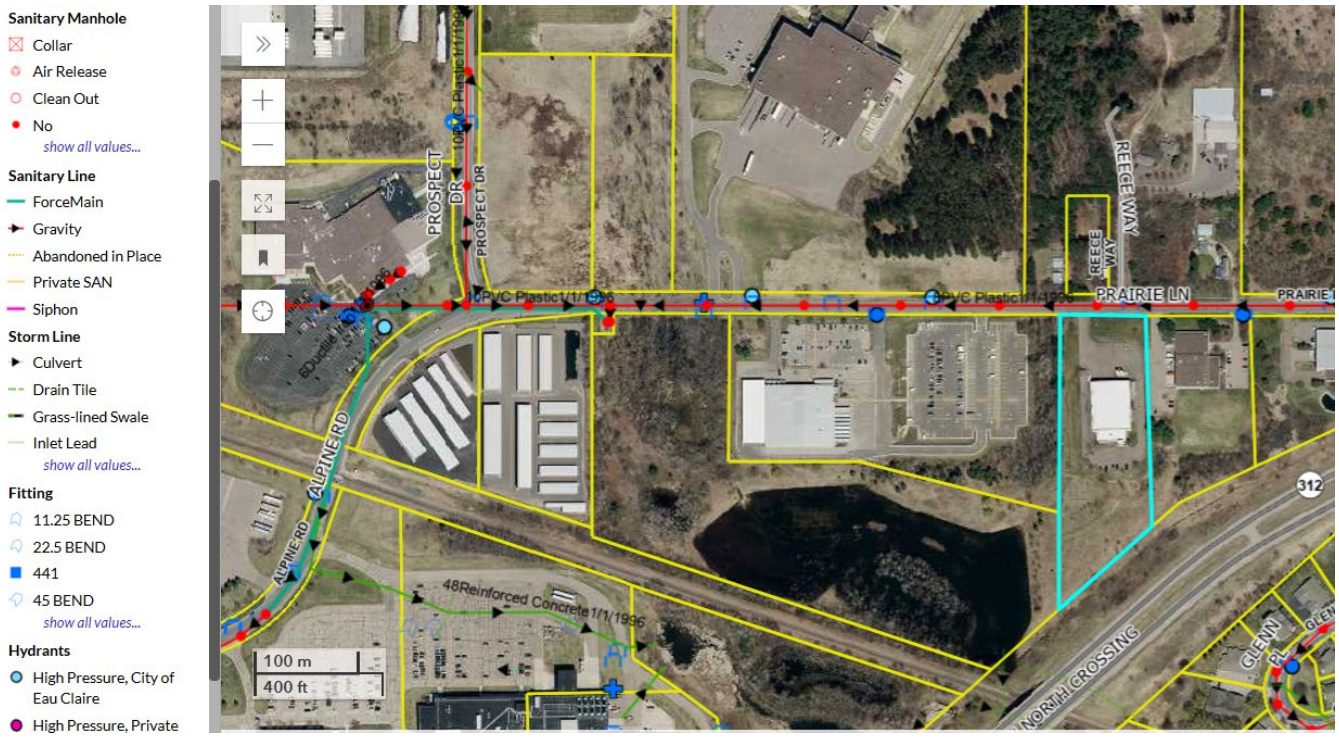
Overall Risk: Combination of probability and severity of consequences

Estimate Threat Zone Radius | Threat Zone Radius: 0.2 miles | Show on Map

Attachment 4: Transportation Routes



Attachment 5: Sewer Map



DIVERSEY, INC.

Facility Off-Site
Emergency Response Plan

Facility # 3363
Diversey, Inc.
1929 Vernon Street
Eau Claire, WI 54701

EAU CLAIRE COUNTY
Office of Emergency Management
721 Oxford Avenue, Suite 3344
Eau Claire, Wisconsin 54703

TABLE OF CONTENTS

SECTION 1: FACILITY INFORMATION

A. FACILITY LOCATION:

Diversey, Inc.
1929 Vernon Street
Eau Claire, WI 54701

B. FACILITY ID

3363

C. EMERGENCY CONTACTS

Primary:
John Kwak, Plant Manager
Phone: 715-836-7761
24 Hour: 715-836-7761
john.kwak@solenis.com

Secondary:
Charles Muehlenkamp, QA & Production Supervisor
Phone: 715-836-7779
24 Hour: 701-330-6758
cmuehlenkamp@solenis.com

D. ACCESS TO FACILITY

This facility is monitored by Permar. In the event of any alarm, they contact the facility emergency contacts to let emergency personnel into the building. This facility has installed a Knox Box for Fire Department response. In all cases, contact the 24-hour emergency contacts for access to the facility.

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

Nitric Acid Chemical ID: 568505 CAS: 7697-37-2 **ERG: Guide 157**	**Inventory:** Max Daily Amount (lbs): 6272 Ave. Daily Amount (lbs): 3973 Number of days on site: 365	**Storage:** Container: Tank Location: Indoor storage tank

F. HAZARDOUS SUBSTANCES

2-Propenoic Acid Telomer w/Sodium Hydrogen Sulfate Chemical ID: 568496 CAS: 66019-18-9 **ERG: N/A**	**Inventory:** Max Daily Amount (lbs): 8180 Ave. Daily Amount (lbs): 5181 Number of days on site: 365	**Storage:** Container: Steel drum Location: Drum storage area
Amines Chemical ID: 568504 CAS: 68603-58-7 **ERG: Guide 153**	**Inventory:** Max Daily Amount (lbs): 131 Ave. Daily Amount (lbs): 83 Number of days on site: 365	**Storage:** Container: Plastic/Nonmetallic drum, Steel Drum Location: Drum storage area

Di-N-Alkyl Dimethyl Ammonium Chloride Chemical ID: 568497 CAS: 68424-95-3 **ERG: Guide N/A**	**Inventory:** Max Daily Amount (lbs): 14873 Ave. Daily Amount (lbs): 9420 Number of days on site: 365	**Storage:** Container: Steel drum Location: Drum storage area
Dodecylbenzene Sulfonic Acid Chemical ID: 568500 CAS: 68584-22-5 **ERG: Guide 153**	**Inventory:** Max Daily Amount (lbs): 7107 Ave. Daily Amount (lbs): 4501 Number of days on site: 365	**Storage:** Container: Tank, Tote, Plastic/Nonmetallic drum Location: Indoor storage tank, Drum storage area
Lauryl Dimethyl Amine Oxide Chemical ID: 568495 CAS: 1643-20-5 **ERG: Guide 151**	**Inventory:** Max Daily Amount (lbs): 337 Ave. Daily Amount (lbs): 214 Number of days on site: 365	**Storage:** Container: Plastic/Nonmetallic drum, Steel Drum Location: Drum storage area
Monoethanolamine Chemical ID: 568503 CAS: 141-43-5 **ERG: Guide 153**	**Inventory:** Max Daily Amount (lbs): 3135 Ave. Daily Amount (lbs): 1986 Number of days on site: 365	**Storage:** Container: Plastic/Nonmetallic drum, Steel drum Location: Main Building
N-Alkyl Dimethyl Benzyl Ammonium Chloride Chemical ID: 56501 CAS: 68424-85-1 **ERG: N/A**	**Inventory:** Max Daily Amount (lbs): 13491 Ave. Daily Amount (lbs): 8544 Number of days on site: 365	**Storage:** Container: Steel drum Location: Drum storage area
Organic Phosphate Ester Chemical ID: 568498 CAS: 68130-47-2 **ERG: N/A**	**Inventory:** Max Daily Amount (lbs): 2094 Ave. Daily Amount (lbs): 1326 Number of days on site: 365	**Storage:** Container: Tote bin Location: Main building
Phosphoric Acid (85%) Chemical ID: 568488 CAS: 7664-38-2 **ERG: Guide 154**	**Inventory:** Max Daily Amount (lbs): 17360 Ave. Daily Amount (lbs): 10995 Number of days on site: 365	**Storage:** Container: Tank Location: Indoor storage tank
Potassium Hydroxide (45%) Chemical ID: 568489 CAS: 1310-58-3 **ERG: Guide 154**	**Inventory:** Max Daily Amount (lbs): 9370 Ave. Daily Amount (lbs): 5934 Number of days on site: 365	**Storage:** Container: Tank, Plastic/Nonmetallic drum, Tote bin Location: Indoor storage tank, Drum storage area
Sodium Chloride Chemical ID: 530531 CAS: 7647-14-5 **ERG: N/A**	**Inventory:** Max Daily Amount (lbs): 131 Ave. Daily Amount (lbs): 83 Number of days on site: 365	**Storage:** Container: Tote, Plastic/Nonmetallic drum Location: Drum storage area
Sodium Gluconate Chemical ID: 568491 CAS: 527-07-1 **ERG: N/A**	**Inventory:** Max Daily Amount (lbs): 6552 Ave. Daily Amount (lbs): 4150 Number of days on site: 365	**Storage:** Container: Bag, Plastic/Nonmetallic drum, Tote bin Location: Drum storage area

Sodium Hydroxide (50%) Chemical ID: 568490 CAS: 1310-73-2 **ERG: Guide 154**	**Inventory:** Max Daily Amount (lbs): 100000 Ave. Daily Amount (lbs): 65000 Number of days on site: 365	**Storage:** Container: Tank, Plastic/Nonmetallic drum, Tote bin Location: Indoor storage tank, Drum storage area
Sodium Hypochlorite Chemical ID: 568502 CAS: 7681-52-9 **ERG: Guide 154**	**Inventory:** Max Daily Amount (lbs): 45000 Ave. Daily Amount (lbs): 12327 Number of days on site: 365	**Storage:** Container: Plastic/Nonmetallic Drum Location: Indoor storage tank, Drum storage area
Sodium Tripolyphosphate Chemical ID: 568499 CAS: 7758-29-4 **ERG: Guide 154**	**Inventory:** Max Daily Amount (lbs): 3544 Ave. Daily Amount (lbs): 2244 Number of days on site: 365	**Storage:** Container: Tote bin Location: Drum storage area
Sodium Xylene Sulfonate Chemical ID: 568493 CAS: 1300-72-7 **ERG: N/A**	**Inventory:** Max Daily Amount (lbs): 45000 Ave. Daily Amount (lbs): 20000 Number of days on site: 365	**Storage:** Container: Plastic/Nonmetallic drum, Steel drum Location: Drum storage area
Tetrasodium Salt of EDTA Chemical ID: 568494 CAS: 64-02-8 **ERG: N/A**	**Inventory:** Max Daily Amount (lbs): 16139 Ave. Daily Amount (lbs): 10222 Number of days on site: 365	**Storage:** Container: Plastic/Nonmetallic drum, Steel drum Location: Drum storage area

SECTION II: EMERGENCY RESPONSE

A. PRIMARY EMERGENCY RESPONDERS:

- City of Eau Claire Police Department 715-839-4972
- Eau Claire Fire Department 715-839-5013
- Eau Claire Fire Department EMS 715-839-5013
- Eau Claire County Emergency Management 715-829-8499

B. HAZARDOUS MATERIALS RESPONSE TEAM

Eau Claire County has a Level B Hazardous Materials Response Team. For Level B response, the local Fire Chief notifies the Level B team of a response needed through the Eau Claire County Emergency Communications Center. For Level A responses by the Level A Regional Hazardous Materials Response Team, requests shall be made through the WEM Duty officer by the County Emergency Manager.

C. SUPPORT AND RESOURCES AVAILABLE FROM FACILITY

The facility is equipped with fire extinguishers, sprinkler systems, spill kits, and emergency showers and eye wash stations.

SECTION III: GENERAL INFORMATION AND ASSUMPTIONS

The vulnerability zones set forth in the 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 own individual agency pre-emergency plans and standard operating procedures as well as the County's Emergency Operations Plan (EOP) – Emergency Support Function (ESF) 4: Firefighting, 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 the Plan are for general PLANNING PURPOSES.

SECTION IV: HAZARD ANALYSIS

Diversey is located at 1929 Vernon Street in Eau Claire, WI and is approximately 27,500 sq. ft. This facility handles a variety of operations including chemical handling, blending/mixing of products, bulk truck loading/unloading, and packaging of liquid soap cleaning products and floor scrubbing pad production. The facility includes 1,600 sq. ft. of office space, 10,500 sq. ft. of warehouse, 10,100 sq. ft. of production, 3,200 sq. ft. for bulk loading/unloading, and a 900 sq. ft. packaged loading dock. Nitric acid is the major chemical hazard present. Shipments can range from 55-gal. drums to bulk loads up to 44,000 lbs.

The Eau Claire Plant runs a one-shift operation. Office hours are 7am-4pm, five days per week. There are typically seven people in the facility: two in the office and five in the plant. There are three leased bulk truck driver who are generally not in the facility.

Nitric Acid

Nitric Acid at Diversey is present at 6,272 lbs. in a concentration of 68% solution and stored in an indoor storage tank. The potential for release may be the result of human error or mechanical failure. The greatest potential for a release may be if the indoor storage tank was punctured. The tank is surrounded by a diked area with a surface area of 250 square feet.

EHS Nitric Acid in a concentration of 68% solution is present at Diversey in the indoor storage tank. While the maximum daily amount of Nitric Acid is 6,272 lbs., the maximum quantity of Nitric Acid stored at the facility could be 40,500 lbs. The credible worst-case scenario (parameters listed below) would result from the total release of Nitric Acid from a full indoor storage tank releasing 40,500 lbs. of Nitric Acid.

Based on the maximum quantity of Nitric Acid, the evacuation area is estimated to be 3.3 miles using the scenario criteria listed below. The impact area would encompass the cities of Eau Claire and Altoona and affect approximately 58,891 people (25,385 housing units) according to the CAMEO modeling tool. According to FEMA's Resilience Analysis and Planning Tool as many as 3,373 households in this area do not have a vehicle and 8,004 households are without a smartphone. A list of special facilities is listed in Section V: Special Facilities Affected.

The worst-case scenario criteria are:

- Neutral Air Stability (Class F)
- Night Time
- Open Country
- 3.35 mph wind
- 1/10 IDLH (Immediately Dangerous to Life and Health) concentration
- Rapid release of maximum quantity of chemical in a single vessel (10 min.)

The re-evaluation scenario (parameters listed below) provides a more realistic representation of conditions in Eau Claire County, including average wind speed provided by the National Weather Service. Results from the rupture of the maximum daily amount releasing 6,272 lbs. of Nitric Acid in a concentration of 68% solution would pose a hazard of 0.3 miles and affect approximately 551 people (299 housing units) according to the CAMEO modeling tool. No special facilities are within the re-evaluation scenario.

The reevaluation scenario criteria are:

- Neutral Air Stability (Class D)
- Urban or Forest
- 11.9 mph wind
- 1/10 IDLH (Immediately Dangerous to Life and Health) concentration
- 10 minute release of maximum quantity of chemical in a single vessel

SECTION V: SPECIAL FACILITIES AFFECTED

Special facilities (hospitals, nursing homes, schools, day care centers, correctional facilities, and other high population facilities with limited transportation) within the worst-case scenario are listed below and are identified on the required vulnerability zone map located in Attachment 1.

Facility Name	Address	Phone	Capacity	Distance
Kindercare	2115 Fairfax St, Eau Claire, WI	715-832-8099	128	0.42
Aurora Residential Alternatives Inc 041	3404 Hoover Avenue, Altoona, WI	715-552-3278	4	0.44
Babies Tots Toddlers	2527 Bartlett Ave, Altoona, WI	715-864-3732	8	0.49
BTI 10th Street House	1202 10th St W, Altoona, WI	715-514-2056	4	0.59
Otter Creek Christian Academy	919 10th St W, Altoona, WI	715-834-1782	9	0.61
Regis Catholic Schools	2728 Mall Dr Ste 200, Eau Claire, WI	715-830-2273	823	0.62
Memorial High	2220 Fairfax St, Eau Claire, WI	715-852-6300	1644	0.64
Regis High & Middle School	2100 Fenwick Ave, Eau Claire, WI	715-830-2271	432	0.65
Little School House of Altoona	2328 N Hillcrest Ave, Altoona, WI	715-214-6609	50	0.66
Classic At Hillcrest Greens Senior Living	2455 Sawgrass Place, Altoona, WI	715-944-6678	63	0.66
Classic At Hillcrest Greens Memory Care	2455 Sawgrass Place, Altoona, WI	715-839-0200	40	0.68
Regis Child Development Center	2114 Fenwick Ave, Eau Claire, WI	715-830-2274	130	0.69
Grace Lutheran Communities-River Pines	206 N Willson Dr, Altoona, WI	715-598-7800	50	0.69
Little Adventurers Daycare LLC	2150 Eastridge Ctr, Eau Claire, WI	715-895-8000	8	0.7
Little Adventurers Daycare LLC	2150 Eastridge Ctr, Eau Claire, WI	715-895-8000	8	0.7
Grace Edgewood	2512 Spooner Ave, Altoona, WI	715-832-5813	50	0.72
Apple Tree Cottage CBRF	1306 Keith St, Eau Claire, WI	715-577-8506	8	0.75
GCBK Group Home Inc	2821 Beverly Hills Dr, Eau Claire, WI	715-855-7701	4	0.75
From The Roots Early Learning Ctr.	2912 London Rd, Eau Claire, WI	715-514-4881	44	0.76
Family Tree	2005 Agnes Street, Eau Claire, WI	715-832-3663	8	0.76
Bradwood House	2252 Bradwood Ave, Altoona, WI	715-514-2056	4	0.76
Beautiful Minds Child Care	2821 Fairfax St, Eau Claire, WI	715-834-4360	111	0.79
Family Tree Eau Claire Center LLC	2140 Sherwin Ave, Eau Claire, WI	715-514-3399	84	0.79
Grace Lutheran Communities-Prairie Pointe Rehab Suites	286 N Willson Dr, Altoona, WI	715-598-7800	48	0.79
Oakwood Health Services	2512 New Pine Dr, Altoona, WI	715-833-0400	80	0.79
Oak Gardens Place	342 Twin Oak Dr, Altoona, WI	715-839-8000	40	0.82
Little Star Day Care	2245 Hayden Ave, Altoona, WI	715-832-1513	67	0.83
Little Star 2	2241 Hayden Ave, Altoona, WI	715-271-0743	16	0.84
Bridge To Independence Keith House	1010 Keith Street, Eau Claire, WI	715-514-2056	4	0.85
Lil Dudes-N-Divas	3625 Southwind Dr, Eau Claire, WI	715-598-6488	80	0.92
Altoona High	711 7th St W, Altoona, WI	715-839-6031	598	0.92
St John's Christian Preschool	1804 Highland Ave, Eau Claire, WI	715-834-9571	20	0.94
Grace Luth Foun - SACC Pedersen	1903 Bartlett Ave, Altoona, WI	715-832-3039	68	0.96
Mike Wilson House (The)	2409 Rudolph Road, Eau Claire, WI	715-838-9967	4	0.97

Facility Name	Address	Phone	Capacity	Distance
Altoona Middle	1903 Bartlett Ave, Altoona, WI	715-839-6030	431	0.98
Altoona Intermediate	1903 Bartlett Ave, Altoona, WI	715-839-6030	299	1
Immaculate Conception Elementary	1703 Sherwin Ave, Eau Claire, WI	715-830-2276	235	1.03
YMCA-Robbins SACC	3832 E Hamilton Ave, Eau Claire, WI	715-552-1200	45	1.04
Robbins Elementary	3832 E Hamilton Ave, Eau Claire, WI	715-852-4600	542	1.04
Flynn Elementary	1430 Lee St, Eau Claire, WI	715-852-3300	256	1.05
Heritage Court	3515 E Hamilton Avenue, Eau Claire, WI	715-831-8200	36	1.07
YMCA SACC Flynn Elementary	1430 Lee St, Eau Claire, WI	715-836-8460	34	1.08
The Professional Hair Design Academy	3408 Mall Drive, Eau Claire, WI	715-835-2345	43	1.11
St Mary's Elementary School	1828 Lynn Ave, Altoona, WI	715-830-2278	93	1.12
Nature's Cove Early Learning Center Inc	3631 E Hamilton Ave, Eau Claire, WI	715-514-5959	99	1.13
Trinity Christian Preschool	1314 E Lexington Blvd, Eau Claire, WI	715-832-6601	25	1.16
Oakleaf Surgical Hospital	1000 Oakleaf Way, Altoona, WI	715-831-8130	13	1.18
Webster House	1515 Webster Avenue, Eau Claire, WI	715-832-5085	4	1.2
Family Tree Child Care Center	320 Division St, Altoona, WI	715-894-7529	32	1.35
Altoona Early Education Center	1312 N Hillcrest Pkwy, Altoona, WI	715-832-5543	30	1.37
South Middle	2115 Mitscher Ave, Eau Claire, WI	715-852-5200	867	1.38
Manz Elementary	1000 E Fillmore Ave, Eau Claire, WI	715-852-3900	389	1.4
Dove Healthcare-South	3656 Mall Drive, Eau Claire, WI	715-552-1035	34	1.41
YMCA-Manz SACC	1000 E Fillmore St, Eau Claire, WI	715-836-1200	35	1.42
Little Minds Matter Inc	3085 Meadowlark Ln, Altoona, WI	715-210-9993	50	1.42
Grace Willowbrook	4868 Otteson Lane, Eau Claire, WI	715-835-0429	36	1.43
Dove Healthcare South Assisted Living	3656 Mall Dr, Eau Claire, WI	715-552-1035	16	1.44
Sunshine Family Child Care and Education Center	904 E Tyler Ave, Eau Claire, WI	715-514-2545	8	1.46
Concordia Early Learning Center	3715 London Rd, Eau Claire, WI	715-834-9097	28	1.51
Lexington Palace	710 Lexington Blvd, Eau Claire, WI	715-834-2511	4	1.52
Preston II	3008 May St, Eau Claire, WI	715-832-0471	4	1.52
Putnam Place	2715 May Street, Eau Claire, WI	715-832-5085	4	1.53
Stable Living LLP 928 Lawrence Ave	928 Lawrence Avenue, Altoona, WI	715-456-6305	4	1.56
Tisha's Family Child Care	920 Lawrence Ave, Altoona, WI	715-379-9326	8	1.57
Care Partners Assisted Living Altoona I	887 Briar Lane, Altoona, WI	920-232-1672	20	1.57
The Learning Tree Child Care Center	3260 Birch St, Eau Claire, WI	715-834-5439	93	1.59
Care Partners Assisted Living Altoona II	893 Briar Lane, Altoona, WI	920-232-1672	20	1.59
Mayo Clinic Dialysis - London Road	3845 London Road, Eau Claire, WI	715-838-3872		1.6
Care Partners Assisted Living-East II	3337 Birch Street, Eau Claire, WI	920-232-1672	20	1.61
Care Partners Assisted Living-East	3325 Birch Street, Eau Claire, WI	920-232-1472	34	1.61
Heritage Oakwood Hills	3706 Damon St, Eau Claire, WI	715-831-9118	39	1.61
Marston Group Home	403 Marston Street, Eau Claire, WI	715-835-0323	8	1.63
Altoona Family Child Care Ctr LLC	819 S Hillcrest Pkwy, Altoona, WI	715-552-5437	99	1.66
BTI McIvor House	3436 McIvor St, Eau Claire, WI	715-514-2056	4	1.67

Facility Name	Address	Phone	Capacity	Distance
London Rails AFH	4014/4016 London Road, Eau Claire, WI	715-832-9766	4	1.67
Promising Pals AFH	4020/4022 London Road, Eau Claire, WI	715-831-9729	4	1.69
Grace Woodlands	3214 Gala St, Eau Claire, WI	715-831-8100	34	1.76
McCormick Family Circle	1018 Graham Ave, Eau Claire, WI	715-833-9592	8	1.77
Chapel Heights Christian Preschool	300 E Hamilton Ave, Eau Claire, WI	715-832-2333	26	1.82
Brotoloc North Hastings View	813 Zephyr Hill, Eau Claire, WI	715-832-5085	4	1.83
Brotoloc North West Wind	815 Zephyr Hill, Eau Claire, WI	715-832-5085	4	1.83
YMCA Clubhouse	206 Emery St, Eau Claire, WI	715-833-4848	55	1.86
Children's House Montessori Sch	415 E Lake St, Eau Claire, WI	715-835-7861	70	1.86
Grace Luth Found SACC Altoona	157 Bartlett Ave, Altoona, WI	715-832-3003	64	1.86
SACC-Downtown EC YMCA	700 Graham Ave, Eau Claire, WI	715-836-8460	149	1.91
Liberty View	611 Main St, Eau Claire, WI	715-833-8806	8	1.91
Morning View II	440 Sunday Drive, Altoona, WI	715-514-2000	8	1.91
Redeemer Early Learning Programs	601 Fall St, Eau Claire, WI	715-835-9207	60	1.95
Saint Edward's Montessori School Inc.	1129 Bellevue Ave, Eau Claire, WI	715-952-5115	36	1.96
Eau Claire Community Sites	500 Main St, Eau Claire, WI	715-852-3600	455	1.97
Eau Claire Virtual School	500 Main St, Eau Claire, WI	715-852-3001	137	1.98
University Of Wisconsin-Eau Claire	105 Garfield Ave, Eau Claire, WI	715-836-4636	12300	1.98
Little Owl Family Child Care	467 Sunday Dr, Altoona, WI	715-514-8156	6	2
Mckinley Charter School	1266 Mckinley Rd, Eau Claire, WI	715-852-6900	147	2.01
Longfellow Elementary	512 Balcom St, Eau Claire, WI	715-852-3800	279	2.03
St Mark Lutheran School	3307 State St, Eau Claire, WI	715-834-5782	108	2.03
UW-Eau Claire Davies Center	77 Roosevelt Ave, Eau Claire, WI	715-836-5631		2.04
Hand In Hand A Place For All Child	800 Wisconsin St, Eau Claire, WI	715-833-7744	144	2.04
Create-A-World Preschool	3214 Golf Rd, Eau Claire, WI	715-832-7832	16	2.07
The Kiddie Patch	4605 London Rd, Eau Claire, WI	715-833-9464	69	2.08
YMCA-Meadowview SACC	4714 Fairfax St, Eau Claire, WI	715-552-1200	45	2.16
Christy's Cuddles and Crayons	552 Cochrane St, Eau Claire, WI	715-271-3558	8	2.17
Meadowview Elementary	4714 Fairfax St, Eau Claire, WI	715-852-4000	420	2.17
Eau Claire Head Start Center	3103 Oak Knoll Dr, Eau Claire, WI	715-896-4721	96	2.21
Second Avenue School	721 Oxford Ave, Eau Claire, WI	715-852-6901	16	2.23
Oxford Avenue School	728 Oxford Ave, Eau Claire, WI	715-852-6901	2	2.23
Chippewa Valley Technical College	620 W Clairemont Ave, Eau Claire, WI	715-833-6200	8098	2.26
Babes In Toyland Childcare Center	4430 Tower Dr, Eau Claire, WI	715-830-9432	84	2.28
Ambers Nature View	501 West Hamilton Ave, Eau Claire, WI	715-897-1207	4	2.31
Genesis Child Development Center	418 N Dewey St, Eau Claire, WI	715-830-2275	115	2.32
Putnam Heights Elementary	633 W Macarthur Ave, Eau Claire, WI	715-852-4200	448	2.33
YMCA-Putnam Heights SACC	633 W Macarthur Ave, Eau Claire, WI	715-552-1200	45	2.37
Eau Claire Academy	550 N Dewey St, Eau Claire, WI	715-834-6681	32	2.39
Altoona Elementary	157 Bartlett Ave, Altoona, WI	715-839-6050	692	2.43

Facility Name	Address	Phone	Capacity	Distance
YMCA-Northwoods SACC	3600 Northwoods Ln, Eau Claire, WI	715-833-4848	45	2.47
Azura Memory Care of Eau Claire 3 LLC	4803 Bullis Farm Rd, Eau Claire, WI	920-284-6682	24	2.47
Yolo Homes Stein House	2833 Stein Blvd, Eau Claire, WI	715-379-8584	4	2.47
Northwoods Elementary	3600 Northwoods Ln, Eau Claire, WI	715-852-4100	344	2.47
Azura Memory Care of Eau Claire 2 LLC	4811 Bullis Farm Rd, Eau Claire, WI	715-350-6701	24	2.48
Gratus At Shady Grove	2914/2916 Shady Grove Rd, Eau Claire, WI	715-895-8167	4	2.48
Meadow Wood Child Care	4801 Promontory Ct, Eau Claire, WI	715-864-1541	8	2.5
Stepping Stones Learning Center	836 Richard Dr, Eau Claire, WI	715-514-1906	75	2.52
Our House Eau Claire Memory Care	733 W Hamilton Ave, Eau Claire, WI	715-832-3970	20	2.52
Eau Claire County Expo Center	5530 Fairview Drive, Eau Claire, WI	715-839-3755		2.59
Giggles Child Care Ctr	1626 Starr Ave, Eau Claire, WI	715-833-8767	8	2.61
Days Gone By Early Learning	3225 Lorch Ave, Eau Claire, WI	715-835-1234	120	2.63
Mayo Clinic Health System Child Development Center	540 Fulton St, Eau Claire, WI	715-838-3198	180	2.63
Color My World Clubhouse	1717 Western Ave, Eau Claire, WI	715-835-2060	25	2.65
Heatherwood	4510 Gateway Dr, Eau Claire, WI	715-552-5511	31	2.67
Heatherwood CBRF	4510 Gateway Dr, Eau Claire, WI	715-552-5511	8	2.68
Rem Wisconsin Noble Drive	2009 Noble Drive, Eau Claire, WI	608-276-1191	4	2.71
Rem Wisconsin III Inc Redwood	S7935 Redwood Drive, Eau Claire, WI	715-713-0330	4	2.73
Mayo Clinic Health System	1221 Whipple St, Eau Claire, WI	715-838-3311	304	2.73
Lakeshore Elementary	711 Lake St, Eau Claire, WI	715-852-3400	355	2.73
Luther Hospital - Mayo Clinic Dialysis	1221 Whipple St, Eau Claire, WI	715-838-3872		2.75
Color My World Child Care North	1903 Western Ave, Eau Claire, WI	715-835-2060	75	2.75
Lakeshore Elementary SACC	711 Lake St, Eau Claire, WI	715-832-3003	36	2.77
Brotoloc North Abbe Hill	2119 Abbe Hill, Eau Claire, WI	715-832-5085	4	2.78
Sherri's Stay-N-Play	3314 Lasalle St, Eau Claire, WI	715-834-8743	8	2.81
Ashmd LLC	1909 Glenwood Ave, Eau Claire, WI	715-432-5893	8	2.81
Messiah Lutheran School	2015 N Hastings Way, Eau Claire, WI	715-834-2865	129	2.81
Chippewa Valley Montessori Charter	400 Cameron St, Eau Claire, WI	715-852-6950	322	2.85
North Crossings	2304 Abbe Hill Drive, Eau Claire, WI	715-832-5085	4	2.91
Marcie Cares LLC	1024 Pershing Street, Eau Claire, WI	715-835-0669	4	2.93
Bethel Christian School	2361 N Hastings Way, Eau Claire, WI	715-835-8866	25	2.93
Traci's Child Care	2006 Ruby Ln, Eau Claire, WI	715-832-6037	6	2.96
Marshfield Clinic Comfort and Recovery-Eau Claire	2116 Craig Rd, Eau Claire, WI	715-836-1200	12	2.99
Marshfield Medical Center - Eau Claire	2310 Craig Rd, Eau Claire, WI	715-858-8100	56	3
Marshfield Medical Center - Eau Claire	2116 Craig Rd, Eau Claire, WI	833-883-3262	12	3
Stable Living	2206 2nd Street, Eau Claire, WI	715-209-5612	3	3.02
Shootingstars Daycare	1225 Pershing St, Eau Claire, WI	715-379-6427	8	3.03
Fahrman Center	3136 Craig Road, Eau Claire, WI	715-835-9110	42	3.05
Rem Wisconsin III Inc - Winget	5502 Winget Drive, Eau Claire, WI	608-327-5945	3	3.07

Facility Name	Address	Phone	Capacity	Distance
L.E. Phillips YMCA Sports Center	3456 Craig Rd, Eau Claire, WI	715-552-1200	152	3.11
Northstar Middle	2711 Abbe Hill Dr, Eau Claire, WI	715-852-5100	540	3.18
Julius Rem Wisconsin III Inc	6977 Julius Dr, Eau Claire, WI	715-514-5225	4	3.25

SECTION VI: POPULATION PROTECTION

A. SHELTER-IN-PLACE

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.

B. EVACUATION

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 the risk zone.

SECTION VII: SPECIAL CONSIDERATIONS

A. ADDRESS ENVIRONMENTAL CONCERNS AT FACILITY AND IN VULNERABILITY ZONE

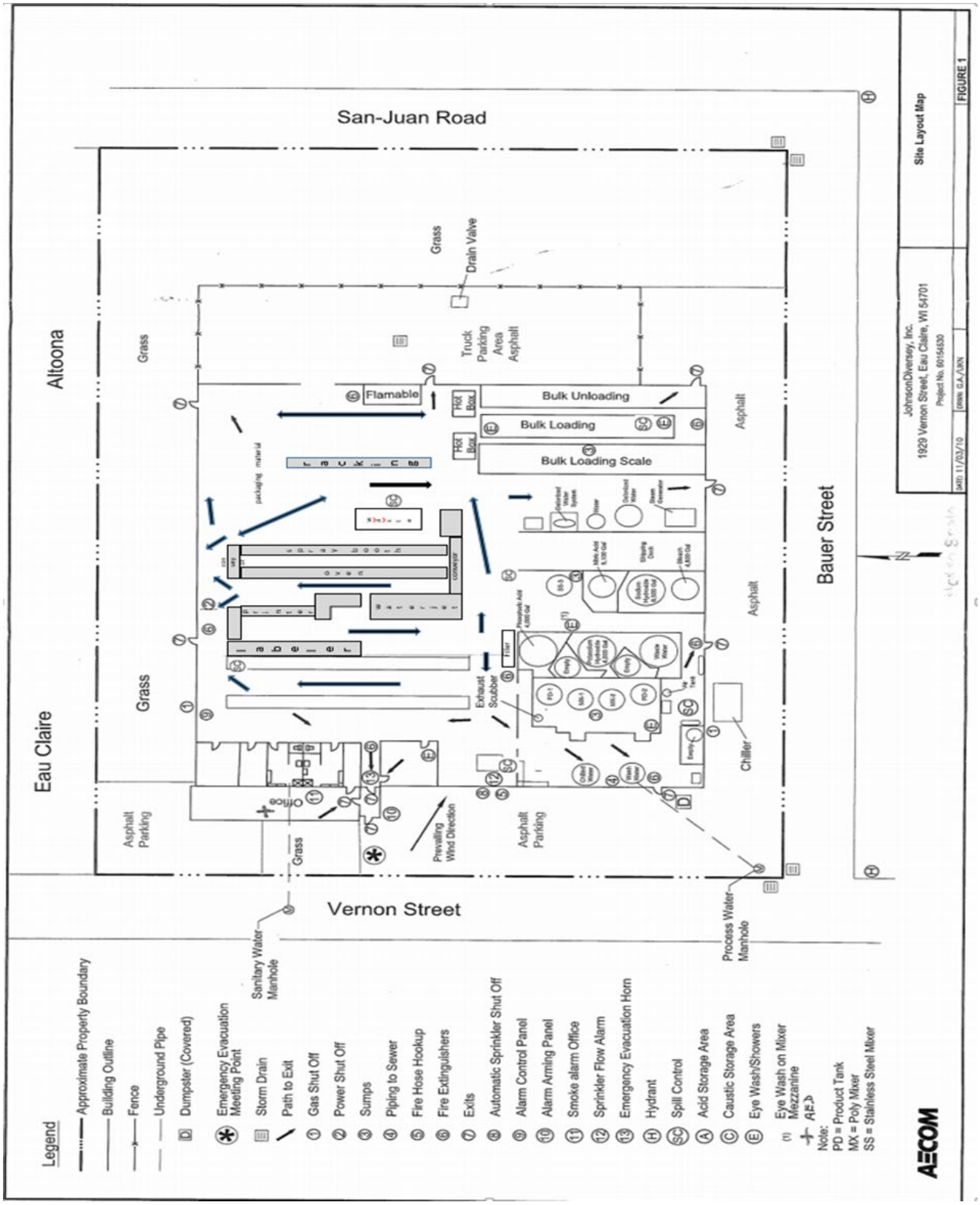
Otter Creek is 750 feet east of the facility; precautions should be taken to prevent runoff from entering storm sewers which outfall to the creek. The Nitric Acid tank is surrounded by a diked area with a surface area of 250 square feet.

There are no local ordinances in Eau Claire 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.

B. POTENTIAL FOR AFFECTING OTHER JURISDICTIONS

Not applicable: The vulnerability zone is 3.3 miles and located within Eau Claire County.

SECTION VIII: SITE PLAN MAP

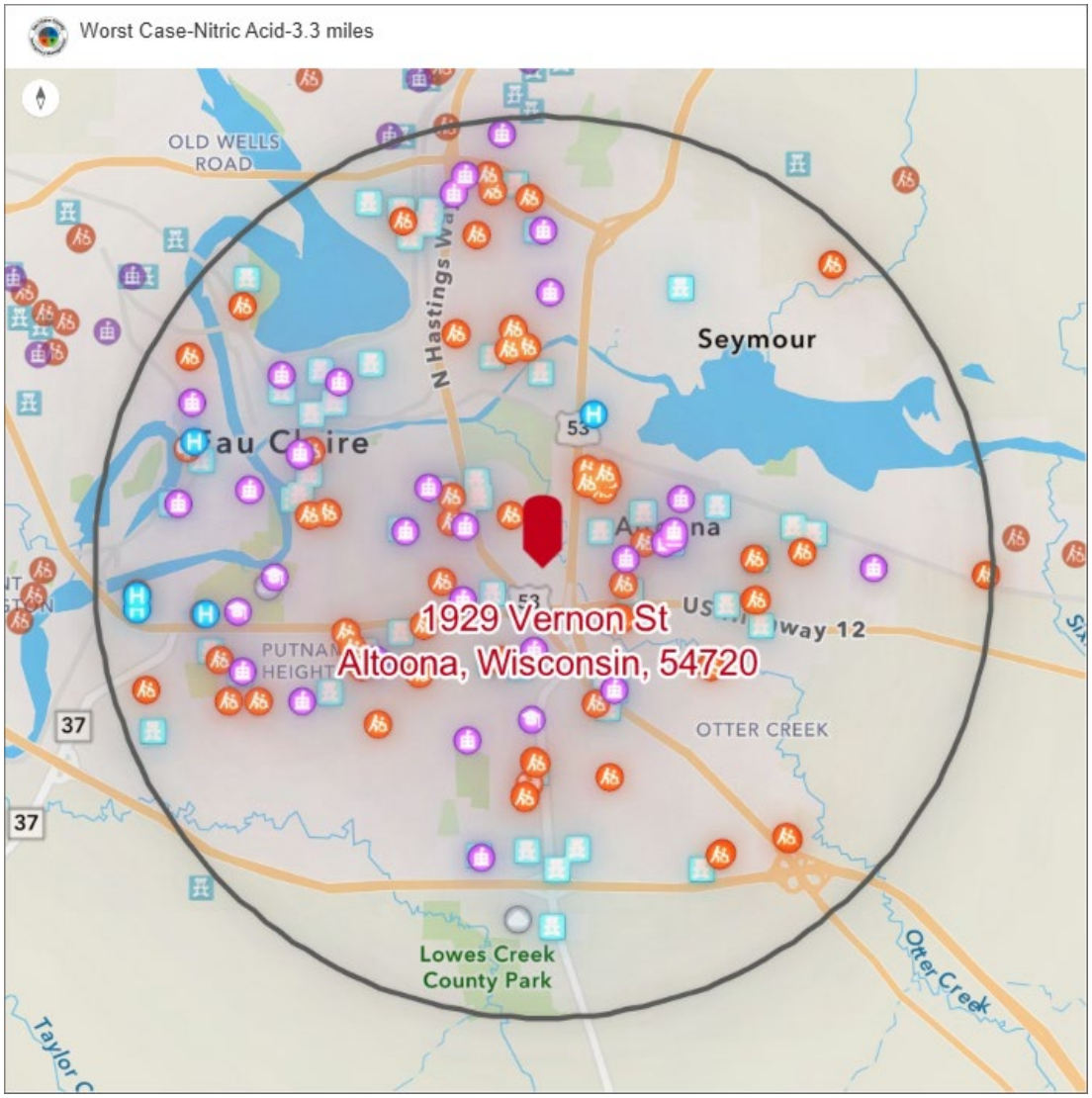


SECTION IX: DISTRIBUTION LIST

Facility
Eau Claire Fire Department
Wisconsin Emergency Management West Central Regional Office
Eau Claire Fire Department Hazmat
Eau Claire County Emergency Management Office

SECTION X: ATTACHMENTS

Attachment 1: Vulnerability Zone Map of Identified Affected Special Facilities



Sigma-Aldrich.

www.sigmaaldrich.com

SAFETY DATA SHEET

Version 6.9
Revision Date 09/08/2024
Print Date 09/09/2024

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name	:	Nitric acid
Product Number	:	695041
Brand	:	Sigma-Aldrich
Index-No.	:	007-004-00-1
CAS-No.	:	7697-37-2

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses	:	Laboratory chemicals, Synthesis of substances
Uses advised against	:	The product is being supplied under the TSCA R&D Exemption (40 CFR Section 720.36). It is the recipient's responsibility to comply with the requirements of the R&D exemption. The product may not be used for a non-exempt commercial purpose under TSCA unless appropriate consent is granted in writing by MilliporeSigma.

1.3 Details of the supplier of the safety data sheet

Company	:	Sigma-Aldrich Inc. 3050 SPRUCE ST ST. LOUIS MO 63103 UNITED STATES
Telephone	:	+1 314 771-5765
Fax	:	+1 800 325-5052

1.4 Emergency telephone

Emergency Phone #	:	800-424-9300 CHEMTREC (USA) +1-703-527-3887 CHEMTREC (International) 24 Hours/day; 7 Days/week

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Oxidizing liquids (Category 3), H272
Corrosive to Metals (Category 1), H290
Acute toxicity, Inhalation (Category 3), H331

Skin corrosion (Category 1A), H314
Serious eye damage (Category 1), H318

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram

Signal Word: Danger

Hazard Statements

H272	May intensify fire; oxidizer.
H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H331	Toxic if inhaled.

Precautionary Statements

P210	Keep away from heat.
P220	Keep/Store away from clothing/ combustible materials.
P221	Take any precaution to avoid mixing with combustibles.
P234	Keep only in original container.
P261	Avoid breathing mist or vapors.
P264	Wash skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P310	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
P305 + P351 + P338 + P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P363	Wash contaminated clothing before reuse.
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P390	Absorb spillage to prevent material damage.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P406	Store in corrosive resistant container with a resistant inner liner.
P501	Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

Corrosive to the respiratory tract.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Formula : HNO_3
Molecular weight : 63.01 g/mol

Component		Classification	Concentration
nitric acid			
CAS-No. EC-No. Index-No. Registration number	7697-37-2 231-714-2 007-004-00-1 01-2119487297-23-XXXX	Ox. Liq. 3; Met. Corr. 1; Acute Tox. 3; Skin Corr. 1A; Eye Dam. 1; H272, H290, H331, H314, H318 Concentration limits: >= 1 %: Met. Corr. 1, H290; >= 65 %: Ox. Liq. 3, H272; >= 20 %: Skin Corr. 1A, H314; 5 - < 20 %: Skin Corr. 1B, H314; >= 3 %: Eye Dam. 1, H318; 1 - < 3 %: Eye Irrit. 2, H319; 1 - < 5 %: Skin Irrit. 2, H315;	<= 100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice
First aiders need to protect themselves. Show this material safety data sheet to the doctor in attendance.

If inhaled
After inhalation: fresh air. Immediately call in physician. If breathing stops: immediately apply artificial respiration, if necessary also oxygen.

In case of skin contact
In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Call a physician immediately.

In case of eye contact
After eye contact: rinse out with plenty of water. Immediately call in ophthalmologist. Remove contact lenses.

If swallowed
After swallowing: make victim drink water (two glasses at most), avoid vomiting (risk of perforation). Call a physician immediately. Do not attempt to neutralise.

4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed
No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media
Water Foam Carbon dioxide (CO2) Dry powder

Unsuitable extinguishing media
For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture
Nitrogen oxides (NOx)
Mixture with combustible ingredients.
Development of hazardous combustion gases or vapours possible in the event of fire.
Has a fire-promoting effect due to release of oxygen.

5.3 Advice for firefighters
Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

5.4 Further information
Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.
For personal protection see section 8.

6.2 Environmental precautions
Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up
Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up carefully with liquid-absorbent material (e.g. Chemizorb®). Dispose of properly. Clean up affected area.

6.4 Reference to other sections
For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling
Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.

Advice on protection against fire and explosion
Keep away from open flames, hot surfaces and sources of ignition.

Hygiene measures

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions
No metal containers.
Tightly closed. Keep locked up or in an area accessible only to qualified or authorized persons. Separately or together with other oxidising substances only and away from sources of ignition and heat.Because of their oxidation potential these products can raise the burning rate of combustible substances substantially or ignite combustible substances on contact with them.

Storage class
Storage class (TRGS 510): 5.1A: Strongly oxidizing hazardous materials

7.3 Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with workplace control parameters

Component	CAS-No.	Value	Control parameters	Basis
nitric acid	7697-37-2	TWA	2 ppm	USA. ACGIH Threshold Limit Values (TLV)
		STEL	4 ppm	USA. ACGIH Threshold Limit Values (TLV)
		ST	4 ppm 10 mg/m3	USA. NIOSH Recommended Exposure Limits
		TWA	2 ppm 5 mg/m3	USA. NIOSH Recommended Exposure Limits
		TWA	2 ppm 5 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		PEL	2 ppm 5 mg/m3	California permissible exposure limits for chemical contaminants (Title 8, Article 107)
		STEL	4 ppm 10 mg/m3	California permissible exposure limits for chemical contaminants (Title 8, Article 107)

Derived No Effect Level (DNEL)

Application Area	Routes of exposure	Health effect	Value
Workers	Inhalation	Acute local effects	2.6 mg/m3

Workers	Inhalation	Long-term local effects	1.3 mg/m3
Consumers	Inhalation	Acute local effects	1.3 mg/m3
Consumers	Inhalation	Long-term local effects	0.65 mg/m3

8.2 Exposure controls

Appropriate engineering controls
Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

Personal protective equipment

Eye/face protection
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Tightly fitting safety goggles

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact
Material: Fluorinated rubber
Minimum layer thickness: 0.7 mm
Break through time: 480 min
Material tested:Vitoject® (KCL 890 / Aldrich Z677698, Size M)

Splash contact
Material: Nature latex/chloroprene
Minimum layer thickness: 0.6 mm
Break through time: 120 min
Material tested:Lapren® (KCL 706 / Aldrich Z677558, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374
If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the EC approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection
Acid-resistant protective clothing

Respiratory protection
Recommended Filter type: Filter type ABEK
The entrepeneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.
required when vapours/aerosols are generated.
Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Control of environmental exposure
Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a)	Appearance	Form: liquid Color: colorless
b)	Odor	No data available
c)	Odor Threshold	No data available
d)	pH	< 1 at 20 °C (68 °F)
e)	Melting point/freezing point	No data available
f)	Initial boiling point and boiling range	120.5 °C 248.9 °F - lit.
g)	Flash point	()Not applicable
h)	Evaporation rate	No data available
i)	Flammability (solid, gas)	No data available
j)	Upper/lower flammability or explosive limits	No data available
k)	Vapor pressure	11 hPa at 20 °C (68 °F)
l)	Vapor density	No data available
m)	Density	1.48 g/cm3 at 20 °C (68 °F) - lit.
	Relative density	No data available
n)	Water solubility	completely soluble
o)	Partition coefficient: n-octanol/water	No data available
p)	Autoignition temperature	No data available
q)	Decomposition temperature	No data available
r)	Viscosity	No data available
s)	Explosive properties	No data available
t)	Oxidizing properties	The substance or mixture is classified as oxidizing with the category 2.

9.2 Other safety information
No data available

SECTION 10: Stability and reactivity

10.1 Reactivity
No data available

10.2 Chemical stability
The product is chemically stable under standard ambient conditions (room temperature) .
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
May discolor on exposure to air and light.
no information available

10.5 Incompatible materials
Alkali metals, Organic materials, Acetic anhydride, Acetonitrile, Alcohols, AcrylonitrileMetals

10.6 Hazardous decomposition products
In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Mixture

Acute toxicity
Symptoms: If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach.
Oral: No data available
Symptoms: Possible symptoms:, mucosal irritations, Cough, Shortness of breath, Possible damages:, damage of respiratory tract
Acute toxicity estimate Inhalation - 4 h - 2.65 mg/l - vapor

(Expert judgment)
Dermal: No data available

Skin corrosion/irritation
Remarks: Mixture causes severe burns.
Skin - Rabbit
Result: Causes severe burns.
Remarks: (IUCLID)
Remarks: Causes poorly healing wounds.

Serious eye damage/eye irritation
Remarks: Mixture causes serious eye damage.
Risk of blindness!
Eyes - Rabbit
Result: Causes burns.
Remarks: (IUCLID)

Remarks: Causes serious eye damage.

Respiratory or skin sensitization
No data available

Germ cell mutagenicity
Test Type: Ames test
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative

Carcinogenicity

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Reproductive toxicity
No data available

Specific target organ toxicity - single exposure
No data available

Specific target organ toxicity - repeated exposure
No data available

Aspiration hazard
No data available

11.2 Additional Information

RTECS: QU5775000
Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., Inhalation may provoke the following symptoms:, spasm, inflammation and edema of the bronchi, spasm, inflammation and edema of the larynx, pneumonitis, Symptoms and signs of poisoning are:, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting, Pulmonary edema. Effects may be delayed., Large doses may cause: conversion of hemoglobin to methemoglobin, producing cyanosis; marked fall in blood pressure, leading to collapse, coma, and possibly death.
burning sensation, Cough, wheezing, laryngitis, Shortness of breath, spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Other dangerous properties can not be excluded.

Handle in accordance with good industrial hygiene and safety practice.

Liver - Irregularities - Based on Human Evidence

Liver - Irregularities - Based on Human Evidence

Components

nitric acid

Acute toxicity
Oral: No data available
Acute toxicity estimate Inhalation - 4 h - 2.65 mg/l - vapor
(Expert judgment)
Dermal: No data available

Skin corrosion/irritation
Skin - Rabbit
Result: Causes severe burns.
Remarks: (IUCLID)
Remarks: Causes poorly healing wounds.

Serious eye damage/eye irritation
Eyes - Rabbit
Result: Causes burns.
Remarks: (IUCLID)
Remarks: Causes serious eye damage.

Respiratory or skin sensitization
No data available

Germ cell mutagenicity
Test Type: Ames test
Test system: Salmonella typhimurium
Result: negative

Carcinogenicity
No data available

Reproductive toxicity
No data available

Specific target organ toxicity - single exposure
No data available

Specific target organ toxicity - repeated exposure
No data available

Aspiration hazard
No data available

SECTION 12: Ecological information

12.1 Toxicity

Mixture
No data available

12.2 Persistence and degradability
The methods for determining the biological degradability are not applicable to inorganic substances.

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Endocrine disrupting properties
No data available

12.7 Other adverse effects
May be harmful to aquatic organisms due to the shift of the pH.

Components

nitric acid
No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product
Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

SECTION 14: Transport information

DOT (US)
UN number: 2031 Class: 8 (5.1) Packing group: I
Proper shipping name: Nitric acid
Reportable Quantity (RQ): 1000 lbs
Poison Inhalation Hazard: No

IMDG
UN number: 2031 Class: 8 (5.1) Packing group: I EMS-No: F-A, S-Q
Proper shipping name: NITRIC ACID

IATA
UN number: 2031 Class: 8 (5.1) Packing group: I

Proper shipping name: Nitric acid
IATA Passenger: Not permitted for transport

SECTION 15: Regulatory information

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
nitric acid	7697-37-2	1000	1000

SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
nitric acid	7697-37-2	1000	1000

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

Components	CAS-No.	Component TPQ (lbs)
nitric acid	7697-37-2	1000

SARA 311/312 Hazards : Reactivity Hazard
Chronic Health Hazard

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

nitric acid 7697-37-2 >= 90 - <= 100 %

US State Regulations

Massachusetts Right To Know

nitric acid 7697-37-2
water 7732-18-5

Pennsylvania Right To Know

nitric acid 7697-37-2

Maine Chemicals of High Concern

water 7732-18-5

Vermont Chemicals of High Concern

water 7732-18-5

Washington Chemicals of High Concern

water 7732-18-5

The ingredients of this product are reported in the following inventories:

TSCA : All substances listed as active on the TSCA inventory

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16: Other information

Further information

The information is believed to be correct but is not exhaustive and will be used solely as a guideline, which is based on current knowledge of the chemical substance or mixture and is applicable to appropriate safety precautions for the product. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

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Version: 6.9 Revision Date: 09/08/2024 Print Date: 09/09/2024

Attachment 3: Vulnerability Zone Calculations

Facility Name: Diversey, Inc. Report Year: 2024 City: EAU CLAIRE State: WI

Chemical Name: Nitric acid CAS Number: 7697-37-2

Screening Name: Worst Case

Screening Description

Amount Released	40,500	pounds
Concentration	100	% by weight
Release Duration	10	minutes
Physical State	○ Gas ◉ Liquid Ambient ▾	○ Solid
Surface area within dike		sq ft (enter a value only if stored in a container with a dike)
Atmospheric Concentration Level of Concern	0.026	gm/m^3

Matches the EPA Green Book LOC value for this chemical.

Weather Information

Wind Speed	3.35	mph
Ground Roughness	Open Country ▾	
Stability Class	F ▾ ⓘ	

Risk Assessment ⓘ

Risk	▾	Probability of described accident occurring
Consequences	▾	Severity of consequences to people
Overall Risk	▾	Combination of probability and severity of consequences

Estimate Threat Zone Radius ⓘ Threat Zone Radius 3.3 miles **Show on Map**

Facility Name: Diversey, Inc. Report Year: 2024 City: EAU CLAIRE State: WI

Chemical Name: Nitric acid CAS Number: 7697-37-2

Scenario Name: Re-Evaluation

Scenario Description

Amount Released: 40,500 pounds

Concentration: 100 % by weight

Release Duration: 10 minutes

Physical State: ○ Gas ◉ Liquid Ambient ○ Solid

Surface area within dike: sq ft (enter a value only if stored in a container with a dike)

Atmospheric Concentration Level of Concern: 0.026 gm/m^3

Matches the EPA Green Book LOC value for this chemical.

Weather Information

Wind Speed: 11.9 mph

Wind From: degrees clockwise from 0 N (for example 45 means wind from NE)

Ground Roughness: Urban or Forest

Stability Class: D

Risk Assessment

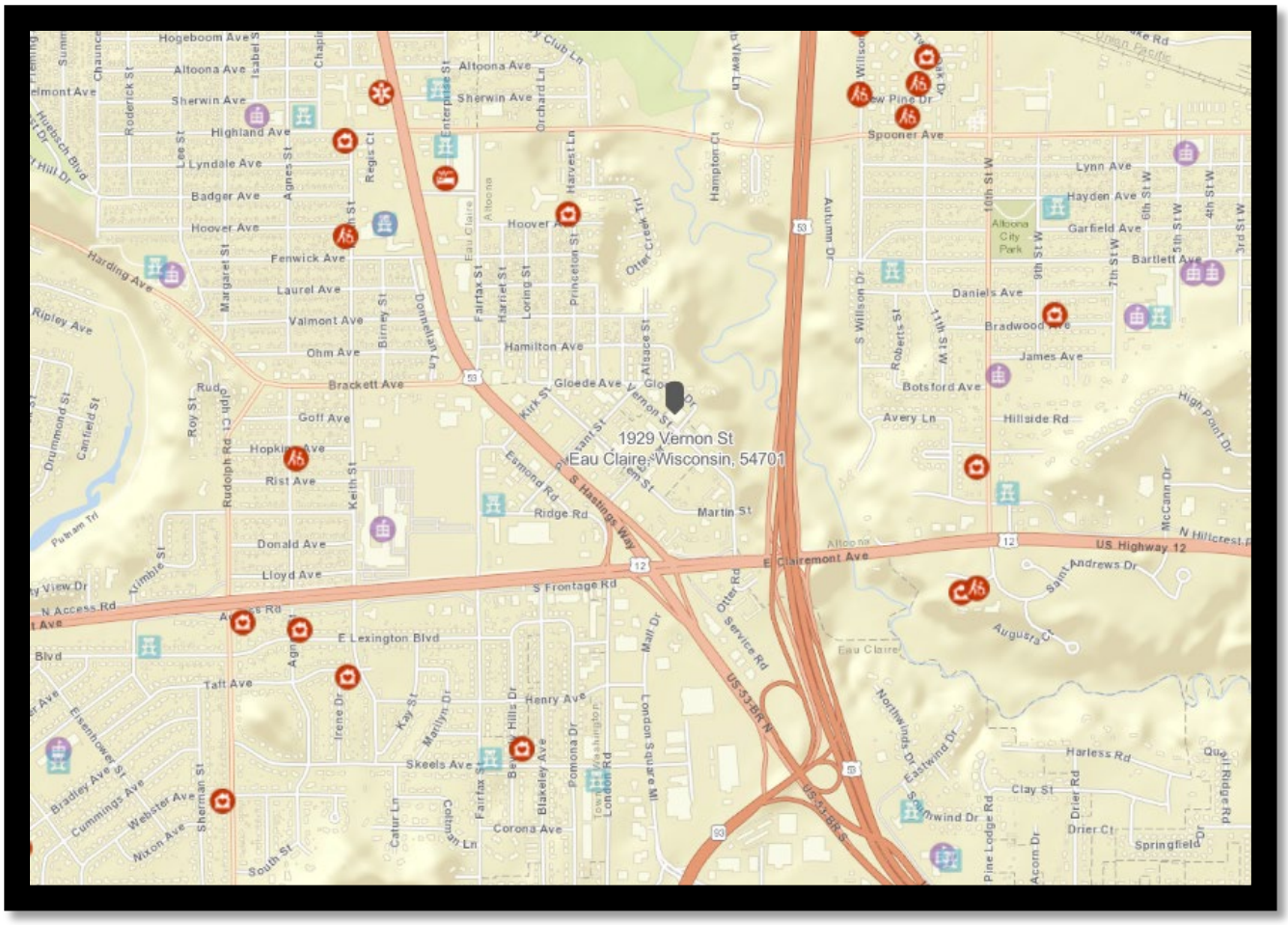
Risk: Probability of described accident occurring

Consequences: Severity of consequences to people

Overall Risk: Combination of probability and severity of consequences

Estimate Threat Zone Radius — Threat Zone Radius: 0.3 miles — Show on Map

Attachment 4: Transportation Routes



Attachment 5: Sewer Map

CURT MANUFACTURING

Facility Off-Site
Emergency Response Plan

Facility #197641
Curt Manufacturing
d/b/a Lippert
6208 Industrial Drive
Eau Claire, Wisconsin 54701

EAU CLAIRE COUNTY
Office of Emergency Management
721 Oxford Avenue, Suite 3344
Eau Claire, Wisconsin 54703

TABLE OF CONTENTS

SECTION 1: FACILITY INFORMATION

A. FACILITY LOCATION:

Curt Manufacturing
d/b/a Lippert
6208 Industrial Drive
Eau Claire, WI 54701

B. FACILITY ID

197641

C. EMERGENCY CONTACTS

Primary:
Jeffrey Goldsmith, EHS Manager
Phone: 715-491-0348
24 Hour: 715-491-0348
jeffrey.goldsmith@curtgroup.com

Secondary:
Mike Christensen, Project Manager
Phone: 715-831-8713
24 Hour: 715-829-2804
michael.christensen@curtgroup.com

D. ACCESS TO FACILITY

Lippert is accessed from Industrial Drive at the southwestern site boundary via US Highway 12 east of Eau Claire. The asphalt access road leads to paved parking areas south of the manufacturing building and in the site's center, connected by a roadway between the manufacturing and distribution buildings. Loading areas are along the eastern manufacturing and western distribution building walls. Landscaped areas with grass and vegetation surround the southern sections and center parking lot, while heavily wooded, steeply sloped land borders the northern, eastern, and southeastern portions without access points.

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

Bonderite C-IC A-500 (Hydrochloric Acid) Chemical ID: 568731 CAS: 7647-01-0 **ERG: 125**	**Inventory:** Max Daily Amount (lbs): 1402 Ave. Daily Amount (lbs): 1402 Number of days on site: 365 40% Hydrogen Chloride (anhydrous) Max Daily Amount (lbs): 560.8	**Storage:** Container: Plastic/nonmetallic drum Location: Northeast Main Manufacturing Building
Bonderite M-AD 140 (Hydrogen Peroxide) Chemical ID: 568810 CAS: 7722-84-1 **ERG: 140**	**Inventory:** Max Daily Amount (lbs): 1870 Ave. Daily Amount (lbs): 1870 Number of days on site: 365 30% Hydrogen Peroxide (>52%) Max Daily Amount (lbs): 561	**Storage:** Container: Plastic/nonmetallic drum Location: Northeast Main Manufacturing Building

Bonderite M-AD 35 (Hydrogen Fluoride) Chemical ID: 567356 CAS: 7664-39-3 **ERG: Guide 157**	**Inventory:** Max Daily Amount (lbs): 5610 Ave. Daily Amount (lbs): 5610 Number of days on site: 365 10% Hydrogen Fluoride Max Daily Amount (lbs): 561	**Storage:** Container: Plastic/nonmetallic drum Location: North East Main Manufacturing Building
Bonderite S-WT 443 (Sulfuric Acid) Chemical ID: 567357 CAS: 7664-93-9 **ERG: Guide 137**	**Inventory:** Max Daily Amount (lbs): 5610 Ave. Daily Amount (lbs): 5610 Number of days on site: 365 60% Sulfuric Acid Max Daily Amount (lbs): 3366	**Storage:** Container: Plastic/nonmetallic drum Location: North East Main Manufacturing Building
Sulfuric Acid Chemical ID: 567358 CAS: 7664-93-9 **ERG: Guide 137**	**Inventory:** Max Daily Amount (lbs): 6622 Ave. Daily Amount (lbs): 6622 Number of days on site: 365	**Storage:** Container: Forklift Battery Location: Forklift

F. HAZARDOUS SUBSTANCES

Argon (Compressed) Chemical ID: 567350 CAS: 7440-37-1 **ERG: Guide 126**	**Inventory:** Max Daily Amount (lbs): 68500 Ave. Daily Amount (lbs): 68500 Number of days on site: 365	**Storage:** Container: Above Ground Tank Location: North Alley Behind Main Manufacturing Building
Bonderite C-AK 2819 (Potassium Hydroxide) Chemical ID: 568555 CAS: 1310-58-3 **ERG: Guide 154**	**Inventory:** Max Daily Amount (lbs): 25245 Ave. Daily Amount (lbs): 25245 Number of days on site: 365 30% Potassium Hydroxide Max Daily Amount (lbs): 7573.5	**Storage:** Container: Plastic/nonmetallic drum Location: Northeast Main Manufacturing Building
Bonderite M-AD 1500CL (Sodium Hydroxide) Chemical ID: 567359 CAS: 7440-23-5 **ERG: Guide 138**	**Inventory:** Max Daily Amount (lbs): 8415 Ave. Daily Amount (lbs): 8415 Number of days on site: 365 60% Sodium Hydroxide Max Daily Amount (lbs): 5049	**Storage:** Container: Tote Bin Location: Northeast Main Manufacturing Building
Bonderite M-PT E3C (Phosphoric Acid) Chemical ID: 568768 CAS: 7664-38-2 **ERG: Guide 154**	**Inventory:** Max Daily Amount (lbs): 1870 Ave. Daily Amount (lbs): 1870 Number of days on site: 365 80% Phosphoric Acid Max Daily Amount (lbs): 1496	**Storage:** Container: Plastic/nonmetallic drum Location: Northeast Main Manufacturing Building

Carbon Dioxide (Liquid) Chemical ID: 567353 CAS: 124-38-9 **ERG: Guide 120**	**Inventory:** Max Daily Amount (lbs): 12000 Ave. Daily Amount (lbs): 12000 Number of days on site: 365	**Storage:** Container: Above Ground Tank Location: North Alley Behind Main Manufacturing Building
Nitrogen (Liquid) Chemical ID: 567355 CAS: 7727-37-9 **ERG: Guide 120**	**Inventory:** Max Daily Amount (lbs): 87685 Ave. Daily Amount (lbs): 87685 Number of days on site: 365	**Storage:** Container: Above Ground Tank Location: North Alley Behind Main Manufacturing Building
Oxygen (Liquid) Chemical ID: 567351 CAS: 7782-44-7 **ERG: Guide 122**	**Inventory:** Max Daily Amount (lbs): 56200 Ave. Daily Amount (lbs): 56200 Number of days on site: 365	**Storage:** Container: Above Ground Tank Location: East Side of Fabrication Building

SECTION II: EMERGENCY RESPONSE

A. PRIMARY EMERGENCY RESPONDERS:

- City of Altoona Police Department 715-839-6090
- Altoona Fire Department 715-839-2970
- Altoona Fire Department EMS 715-839-2970
- Eau Claire County Emergency Management 715-829-8499

B. HAZARDOUS MATERIALS RESPONSE TEAM

Eau Claire County has a Level B Hazardous Materials Response Team. For Level B response, the local Fire Chief notifies the Level B team of a response needed through the Eau Claire County Emergency Communications Center. For Level A responses by the Level A Regional Hazardous Materials Response Team, requests shall be made through the WEM Duty officer by the County Emergency Manager.

C. SUPPORT AND RESOURCES AVAILABLE FROM FACILITY

Lippert has limited resources/support available for off-site emergencies. There are 150 extinguishers on site, located throughout the manufacturing and distribution facilities. Limited absorbent supplies and containment are available. Communication equipment is mostly done through cell phones. Forklifts and scissors lifts are used and available if needed.

SECTION III: GENERAL INFORMATION AND ASSUMPTIONS

The vulnerability zones set forth in the 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 own individual agency pre-emergency plans and standard operating procedures as well as the County's Emergency Operations Plan (EOP) – Emergency Support Function (ESF) 4: Firefighting, 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 the Plan are for general PLANNING PURPOSES.

SECTION IV: HAZARD ANALYSIS

Lippert is a 150,000 square feet manufacturing facility located at 6208 Industrial Drive in Altoona, Wisconsin. Processes conducted at the facility include but are not limited to manufacturing hitch and towing products. EHS utilized/stored at the facility includes Bonderite C-IC A-500, Bonderite M-AD 140, Bonderite M-AD 35, Bonderite S-WT 443. These chemicals can be found in the Powder department located in the northeastern corner of the building. The facility also has forklift batteries that contain EHS Sulfuric Acid.

The following mixtures contain an extremely hazardous substance:

- Bonderite C-IC A-500 contains 40% Anhydrous Hydrogen Chloride.
- Bonderite M-AD 140 contains 30% Hydrogen Peroxide.
- Bonderite M-AD 35 contains 10% Hydrogen Fluoride.
- Bonderite MS-WT 443 contains 60% Sulfuric Acid

The only EHS that exceed TPQ are Anhydrous Hydrogen Chloride, Hydrogen Fluoride, and Sulfuric Acid.

Lippert operates seven days a week with two shifts. On weekdays, the shifts run from 5 AM to 3:30 PM, with the first shift staffed by 300 employees and the second shift by 160 employees. On weekends, shifts run from 5 AM to 5 PM, with the first shift staffed by 150 employees and the second shift by 85 employees.

Anhydrous Hydrogen Chloride (Bonderite C-IC A-500)

Bonderite C-IC A-500, a mixture which contains EHS Anhydrous Hydrogen Chloride in a concentration of 40% solution, is present at Lippert in 55-gallon container. The maximum number of containers stored would be three (3). The quantity of mixture stored at the facility is 1,402lbs, which contains 560.8lbs of Anhydrous Hydrogen Chloride. The credible worst-case scenario (parameters listed below) would result from the rupture of one drum releasing a mixture containing 560.8lbs of Anhydrous Hydrogen Chloride.

Based on the total amount of Anhydrous Hydrogen Chloride on site, the evacuation area is estimated to be 3.5 miles using the scenario criteria listed below. The impact area would include areas within the cities of Eau Claire and Altoona and towns of Seymour and Washington and affect approximately 26,378 people (12,430 housing units) according to the CAMEO modeling tool. According to FEMA's Resilience Analysis and Planning Tool as many as 1,495 households in this area do not have a vehicle and 4,045 households are without a smartphone. A list of special facilities is listed in Section V: Special Facilities Affected.

The worst-case scenario criteria are:

- Neutral Air Stability (Class F)
- Night Time
- Open Country
- 3.35 mph wind
- 1/10 IDLH (Immediately Dangerous to Life and Health) concentration
- Rapid release of maximum quantity of chemical in a single vessel (10 min.)

The re-evaluation scenario (parameters listed below) provides a more realistic representation of conditions in Eau Claire County, including average wind speed provided by the National Weather Service. Results from the rupture of one drum releasing a mixture containing 560.8 lbs of Anhydrous Hydrogen Chloride would pose a hazard of 0.2 miles. The impact area would affect approximately 7 people (4 housing units) according to the CAMEO modeling tool. No special facilities are within the re-evaluation scenario.

The reevaluation scenario criteria are:

- Neutral Air Stability (Class D)
- Urban or Forest
- 11.9 mph wind
- 1/10 IDLH (Immediately Dangerous to Life and Health) concentration
- 10-minute release of maximum quantity of chemical in a single vessel

Hydrogen Peroxide (Bonderite M-AD 140)

Bonderite M-AD 140, a mixture which contains EHS Hydrogen Peroxide in a concentration of 30% solution, is present at Lippert in 55-gallon drums. The maximum number of containers stored would be four (4). The maximum quantity of mixture stored at the facility is 1,870lbs, which contains 561lbs of Hydrogen Peroxide. The credible worst-case scenario (parameters listed below) would result from the rupture of one drum releasing a mixture containing 561lbs of Hydrogen Peroxide.

Based on the total amount of Hydrogen Peroxide on site, the evacuation area is estimated to be less than 0.1 miles using the scenario criteria listed below. The impact area would include a portion of the city of Altoona and town of Washington and affect the immediate area according to the CAMEO modeling tool. No special facilities are within the worst-case scenario.

The worst-case scenario criteria are:

- Neutral Air Stability (Class F)
- Night Time
- Open Country
- 3.35 mph wind
- 1/10 IDLH (Immediately Dangerous to Life and Health) concentration
- Rapid release of maximum quantity of chemical in a single vessel (10 min.)

The re-evaluation scenario (parameters listed below) provides a more realistic representation of conditions in Eau Claire County, including average wind speed provided by the National Weather Service. Results from the rupture of one drum releasing a mixture containing 561lbs of Hydrogen Peroxide would pose a hazard of remains less than 0.1 miles. No special facilities are within the re-evaluation scenario.

The reevaluation scenario criteria are:

- Neutral Air Stability (Class D)
- Urban or Forest
- 11.9 mph wind
- 1/10 IDLH (Immediately Dangerous to Life and Health) concentration
- 10-minute release of maximum quantity of chemical in a single vessel

Hydrogen Fluoride (Bonderite M-AD 35)

Bonderite M-AD 35, a mixture which contains EHS Hydrogen Fluoride in a concentration of 10% solution, is present at Lippert in 55-gallon drums. The maximum number of containers stored would be 12. The maximum quantity of mixture stored at the facility is 5,610lbs, of which 561lbs is Hydrogen Fluoride. The credible worst-case scenario (parameters listed below) would result from the rupture of one drum releasing a mixture containing 561lbs of Hydrogen Fluoride.

Based on the total amount of Hydrogen Fluoride on site, the evacuation area is estimated to be greater than 10 miles using the scenario criteria listed below. The impact area would encompass the cities of Eau Claire and Altoona, towns of Brunswick, Clear Creek, Drammen, Lincoln, Pleasant Valley, Washington, Village of Fall Creek, and parts of southern Chippewa County and affect approximately 109,151 people (46,235 housing units) according to the CAMEO modeling tool. According to FEMA's Resilience Analysis and Planning Tool as many as 5,669 households in this area do not have a vehicle and 15,521 households are without a smartphone. A list of special facilities is listed in Section V: Special Facilities Affected

The worst-case scenario criteria are:

- Neutral Air Stability (Class F)
- Night Time
- Open Country
- 3.35 mph wind
- 1/10 IDLH (Immediately Dangerous to Life and Health) concentration
- Rapid release of maximum quantity of chemical in a single vessel (10 min.)

The re-evaluation scenario (parameters listed below) provides a more realistic representation of conditions in Eau Claire County, including average wind speed provided by the National Weather Service. Results from the rupture of one drum releasing a mixture containing 561lbs of Hydrogen Fluoride would pose a hazard of 0.6 miles. The impact area would affect approximately 659 people (586 housing units) according to the CAMEO modeling tool. There is only one (1) facility within the re-evaluation scenario, listed in Section V: Special Facilities Affected.

The reevaluation scenario criteria are:

- Neutral Air Stability (Class D)
- Urban or Forest
- 11.9 mph wind
- 1/10 IDLH (Immediately Dangerous to Life and Health) concentration
- 10-minute release of maximum quantity of chemical in a single vessel

Sulfuric Acid (Bonderite S-WT 443)

Bonderite S-WT 443, a mixture which contains EHS Sulfuric Acid in a concentration of 60% solution, is present at Lippert in 55-gallon drums. The maximum number of containers stored would be 12. The maximum quantity of mixture stored at the facility is 5,610lbs, which contains 3,366lbs of Sulfuric Acid. The credible worst-case scenario (parameters listed below) would result from the rupture of one drum releasing a mixture containing 3,366lbs of Sulfuric Acid. Lippert also utilizes battery operated forklifts containing EHS Sulfuric acid. Sulfuric Acid is present at 6,623lbs in a concentration of 11% or less battery electrolyte solution.

Even in a worst-case scenario, with a release of 3,366lbs of Sulfuric Acid, the evacuation area is estimated to be less than 0.1 miles or 528 feet using the scenario criteria listed below and impact employees on site. No special facilities are within the worst-case scenario.

The worst-case scenario criteria are:

- Neutral Air Stability (Class F)
- Night Time
- Open Country
- 3.35 mph wind
- 1/10 IDLH (Immediately Dangerous to Life and Health) concentration
- Rapid release of maximum quantity of chemical in a single vessel (10 min.)

SECTION V: SPECIAL FACILITIES AFFECTED

Special facilities (hospitals, nursing homes, schools, day care centers, correctional facilities, and other high population facilities with limited transportation) within the worst-case scenario are listed below and are identified on the required vulnerability zone map located in Attachment 1.

Facility Name	Address	Phone	Capacity	Distance
Altoona Elementary	157 Bartlett Ave, Altoona, WI	715-839-6050	692	0.29
Morning View II	440 Sunday Drive, Altoona, WI	715-514-2000	8	0.66
Little Owl Family Child Care	467 Sunday Dr, Altoona, WI	715-514-8156	6	0.7
Grace Luth Found SACC Altoona	157 Bartlett Ave, Altoona, WI	715-832-3003	64	0.83
Altoona Family Child Care Ctr LLC	819 S Hillcrest Pkwy, Altoona, WI	715-552-5437	99	0.84
Julius Rem Wisconsin III Inc	6977 Julius Dr, Eau Claire, WI	715-514-5225	4	0.85
Care Partners Assisted Living II	893 Briar Lane, Altoona, WI	920-232-1672	20	0.86
Care Partners Assisted Living I	887 Briar Lane, Altoona, WI	920-232-1672	20	0.88
Tisha's Family Child Care	920 Lawrence Ave, Altoona, WI	715-379-9326	8	0.92
Stable Living LLP	928 Lawrence Avenue, Altoona, WI	715-456-6305	4	0.94
Altoona Early Education Center	1312 N Hillcrest Pkwy, Altoona, WI	715-832-5543	30	1.08
Aurora Residential Alternatives Inc	1500 S Edgewater Drive, Eau Claire, WI	715-834-2747	4	1.16
Grace Willowbrook	4868 Otteson Lane, Eau Claire, WI	715-835-0429	36	1.29

Facility Name	Address	Phone	Capacity	Distance
Family Tree Child Care Center	320 Division St, Altoona, WI	715-894-7529	32	1.37
Aurora Res Alternatives Inc	Not Available, Eau Claire, WI	715-831-8803	3	1.53
Grace Luth Foun - SACC Pedersen	1903 Bartlett Ave, Altoona, WI	715-832-3039	68	1.56
Altoona Middle	1903 Bartlett Ave, Altoona, WI	715-839-6030	431	1.56
Altoona Intermediate	1903 Bartlett Ave, Altoona, WI	715-839-6030	299	1.57
Altoona High	711 7th St W, Altoona, WI	715-839-6031	598	1.6
St Mary's Elementary School	1828 Lynn Ave, Altoona, WI	715-830-2278	93	1.63
Bradwood House	2252 Bradwood Ave, Altoona, WI	715-514-2056	4	1.76
Little School House of Altoona	2328 N Hillcrest Ave, Altoona, WI	715-214-6609	50	1.79
Heatherwood	4510 Gateway Dr, Eau Claire, WI	715-552-5511	40	1.81
Little Star 2	2241 Hayden Ave, Altoona, WI	715-271-0743	16	1.82
Little Star Day Care	2245 Hayden Ave, Altoona, WI	715-832-1513	67	1.83
Otter Creek Christian Academy	919 10th St W, Altoona, WI	715-834-1782	9	1.86
Classic At Hillcrest Greens	2455 Sawgrass Place, Altoona, WI	715-839-0200	40	1.86
BTI 10th Street House	1202 10th St W, Altoona, WI	715-514-2056	4	1.86
Everything's Better at Grandma's Family Child Care	2900 Elmer Ct, Fall Creek, WI	715-895-8195	3	1.87
Classic At Hillcrest Greens	2455 Sawgrass Place, Altoona, WI	715-944-6678	63	1.89
YMCA-Robbins SACC	3832 E Hamilton Ave, Eau Claire, WI	715-552-1200	45	2
Robbins Elementary	3832 E Hamilton Ave, Eau Claire, WI	715-852-4600	542	2
Lil Dudes-N-Divas	3625 Southwind Dr, Eau Claire, WI	715-598-6488	80	2.04
Babies Tots Toddlers	2527 Bartlett Ave, Altoona, WI	715-864-3732	8	2.09
Nature's Cove Early Learning Center	3631 E Hamilton Ave, Eau Claire, WI	715-514-5959	99	2.1
Azura Memory Care of Eau Claire 3	4803 Bullis Farm Rd, Eau Claire, WI	920-284-6682	24	2.12
Azura Memory Care of Eau Claire 2	4811 Bullis Farm Rd, Eau Claire, WI	N/A	24	2.14
Grace Edgewood	2512 Spooner Ave, Altoona, WI	715-832-5813	50	2.16
Heritage Court	3515 E Hamilton Avenue, Eau Claire, WI	715-831-8200	36	2.16
Oakwood Health Services	2512 New Pine Dr, Altoona, WI	715-833-0400	80	2.17
Oak Gardens Place	342 Twin Oak Dr, Altoona, WI	715-839-8000	40	2.2
Meadow Wood Child Care	4801 Promontory Ct, Eau Claire, WI	715-864-1541	8	2.3
Grace Lutheran Communities - River Pines	206 N Willson Dr, Altoona, WI	715-598-7800	50	2.3
Heritage Oakwood Hills	3706 Damon St, Eau Claire, WI	715-831-9118	39	2.31
Grace Lutheran Communities-Prairie Pointe Rehab Suites	286 N Willson Dr, Altoona, WI	715-598-7800	48	2.34
Oakleaf Surgical Hospital	1000 Oakleaf Way, Altoona, WI	715-831-8130	13	2.5
Regis Catholic Schools	2728 Mall Dr Ste 200, Eau Claire, WI	715-830-2273	823	2.52
Rem Wisconsin III Inc - Winget	5502 Winget Drive, Eau Claire, WI	608-327-5945	3	2.52
From The Roots Early Learning Ctr.	2912 London Rd, Eau Claire, WI	715-514-4881	44	2.64
The Professional Hair Design Academy	3408 Mall Drive, Eau Claire, WI	715-835-2345	43	2.64
Babes In Toyland Childcare Center	4430 Tower Dr, Eau Claire, WI	715-830-9432	84	2.73

Facility Name	Address	Phone	Capacity	Distance
Dove Healthcare South Assisted Living	3656 Mall Dr, Eau Claire, WI	715-552-1035	16	2.73
Dove Healthcare-South	3656 Mall Drive, Eau Claire, WI	715-552-1035	34	2.74
Aurora Residential Alternatives Inc	3404 Hoover Avenue, Altoona, WI	715-552-3278	4	2.74
Concordia Early Learning Center	3715 London Rd, Eau Claire, WI	715-834-9097	28	2.76
GCBK Group Home Inc	2821 Beverly Hills Dr, Eau Claire, WI	715-855-7701	4	2.78
Kindercare	2115 Fairfax St, Eau Claire, WI	715-832-8099	128	2.81
Create-A-World Preschool	3214 Golf Rd, Eau Claire, WI	715-832-7832	16	2.81
Beautiful Minds Child Care	2821 Fairfax St, Eau Claire, WI	715-834-4360	111	2.84
Mayo Clinic Dialysis - London Road	3845 London Road, Eau Claire, WI			2.84
London Rails AFH	4014/4016 London Road, Eau Claire, WI	715-832-9766	4	2.91
Promising Pals AFH	4020/4022 London Road, Eau Claire, WI	715-831-9729	4	2.92
Little Minds Matter Inc	3085 Meadowlark Ln, Altoona, WI	715-210-9993	50	2.98
Little Adventurers Daycare LLC	2150 Eastridge Ctr, Eau Claire, WI	715-895-8000	8	3.01
Eau Claire Head Start Center	3103 Oak Knoll Dr, Eau Claire, WI	715-896-4721	96	3.02
Memorial High	2220 Fairfax St, Eau Claire, WI	715-852-6300	1644	3.03
Family Tree Eau Claire Center LLC	2140 Sherwin Ave, Eau Claire, WI	715-514-3399	84	3.05
Regis High & Middle School	2100 Fenwick Ave, Eau Claire, WI	715-830-2271	432	3.07
Regis Child Development Center	2114 Fenwick Ave, Eau Claire, WI	715-830-2274	130	3.09
The Kiddie Patch	4605 London Rd, Eau Claire, WI	715-833-9464	69	3.11
South Middle	2115 Mitscher Ave, Eau Claire, WI	715-852-5200	867	3.14
Dearwood LLC	2011 N 60th Ave, Eau Claire, WI	715-830-0518	4	3.14
Apple Tree Cottage CBRF	1306 Keith St, Eau Claire, WI	715-577-8506	8	3.16
Care Partners Assisted Living Eau Claire East II	3337 Birch Street, Eau Claire, WI	920-232-1672	20	3.18
Family Tree	2005 Agnes Street, Eau Claire, WI	715-832-3663	8	3.19
Bridge To Independence Keith House	1010 Keith Street, Eau Claire, WI	715-514-2056	4	3.2
Care Partners Assisted Living Eau Claire East	3325 Birch Street, Eau Claire, WI	920-232-1472	34	3.28
St John's Christian Preschool	1804 Highland Ave, Eau Claire, WI	715-834-9571	20	3.29
Jenni's Day Care	2193 Saint Francis Dr, Eau Claire, WI	715-225-2929	8	3.29
Mckinley Charter School	1266 Mckinley Rd, Eau Claire, WI	715-852-6900	147	3.3
Mike Wilson House (The)	2409 Rudolph Road, Eau Claire, WI	715-838-9967	4	3.31
Days Gone By Early Learning	3225 Lorch Ave, Eau Claire, WI	715-835-1234	120	3.32
Grace Woodlands	3214 Gala St, Eau Claire, WI	715-831-8100	34	3.34
The Learning Tree Child Care Center	3260 Birch St, Eau Claire, WI	715-834-5439	93	3.35
Webster House	1515 Webster Avenue, Eau Claire, WI	715-832-5085	4	3.38
Immaculate Conception Elementary School	1703 Sherwin Ave, Eau Claire, WI	715-830-2276	235	3.39
Meadowview Elementary	4714 Fairfax St, Eau Claire, WI	715-852-4000	420	3.42
YMCA-Meadowview SACC	4714 Fairfax St, Eau Claire, WI	715-552-1200	45	3.43
Eau Claire County Expo Center	5530 Fairview Drive, Eau Claire, WI	715-839-3755		3.48

Facility Name	Address	Phone	Capacity	Distance
Trinity Christian Preschool	1314 E Lexington Blvd, Eau Claire, WI	715-832-6601	25	3.49
Flynn Elementary	1430 Lee St, Eau Claire, WI	715-852-3300	256	3.49
YMCA SACC Flynn Elementary	1430 Lee St, Eau Claire, WI	715-836-8460	34	3.52
Northwoods Elementary	3600 Northwoods Ln, Eau Claire, WI	715-852-4100	344	3.67
Brotoloc North Hastings View	813 Zephyr Hill, Eau Claire, WI	715-832-5085	4	3.67
Brotoloc North West Wind	815 Zephyr Hill, Eau Claire, WI	715-832-5085	4	3.67
Manz Elementary	1000 E Fillmore Ave, Eau Claire, WI	715-852-3900	389	3.68
YMCA -Manz SACC	1000 E Fillmore St, Eau Claire, WI	715-836-1200	35	3.69
YMCA -Northwoods SACC	3600 Northwoods Ln, Eau Claire, WI	715-833-4848	45	3.71
BTI McIvor House	3436 McIvor St, Eau Claire, WI	715-514-2056	4	3.74
Sunshine Family Child Care and Education Center	904 E Tyler Ave, Eau Claire, WI	715-514-2545	8	3.77
Preston II	3008 May St, Eau Claire, WI	715-832-0471	4	3.79
Putnam Place	2715 May Street, Eau Claire, WI	715-832-5085	4	3.85
Lexington Palace	710 Lexington Blvd, Eau Claire, WI	715-834-2511	4	3.88
Rem Wisconsin Noble Drive	2009 Noble Drive, Eau Claire, WI	608-276-1191	4	3.92
Gratus At Shady Grove	2914/2916 Shady Grove Rd, Eau Claire, WI	715-895-8167	4	3.99
Chapel Heights Christian Preschool	300 E Hamilton Ave, Eau Claire, WI	715-832-2333	26	4.05
Sherri's Stay-N-Play	3314 Lasalle St, Eau Claire, WI	715-834-8743	8	4.06
Marston Group Home	403 Marston Street, Eau Claire, WI	715-835-0323	8	4.07
Redeemer Early Learning Programs	601 Fall St, Eau Claire, WI	715-835-9207	60	4.1
Brotoloc North Abbe Hill	2119 Abbe Hill, Eau Claire, WI	715-832-5085	4	4.14
McCormick Family Circle	1018 Graham Ave, Eau Claire, WI	715-833-9592	8	4.21
Saint Edward's Montessori School	1129 Bellevue Ave, Eau Claire, WI	715-952-5115	36	4.24
North Crossings	2304 Abbe Hill Drive, Eau Claire, WI	715-832-5085	4	4.25
Longfellow Elementary	512 Balcom St, Eau Claire, WI	715-852-3800	279	4.26
St Mark Lutheran School	3307 State St, Eau Claire, WI	715-834-5782	108	4.26
Children's House Montessori School	415 E Lake St, Eau Claire, WI	715-835-7861	70	4.27
YMCA Clubhouse	206 Emery St, Eau Claire, WI	715-833-4848	55	4.29
Liberty View	611 Main St, Eau Claire, WI	715-833-8806	8	4.29
Color My World Clubhouse	1717 Western Ave, Eau Claire, WI	715-835-2060	25	4.3
Messiah Lutheran School	2015 N Hastings Way, Eau Claire, WI	715-834-2865	129	4.32
SACC-Downtown EC YMCA	700 Graham Ave, Eau Claire, WI	715-836-8460	149	4.34
Giggles Child Care Ctr	1626 Starr Ave, Eau Claire, WI	715-833-8767	8	4.35
Bethel Christian School	2361 N Hastings Way, Eau Claire, WI	715-835-8866	25	4.36
Color My World Child Care North	1903 Western Ave, Eau Claire, WI	715-835-2060	75	4.37
Hand In Hand A Place For All Child	800 Wisconsin St, Eau Claire, WI	715-833-7744	144	4.37
Eau Claire Community Sites	500 Main St, Eau Claire, WI	715-852-3600	455	4.37
Eau Claire Virtual School	500 Main St, Eau Claire, WI	715-852-3001	137	4.37
Christy's Cuddles and Crayons	552 Cochrane St, Eau Claire, WI	715-271-3558	8	4.41
Northstar Middle	2711 Abbe Hill Dr, Eau Claire, WI	715-852-5100	540	4.41

Facility Name	Address	Phone	Capacity	Distance
Allison's Childcare	3229 Northstar Dr, Eau Claire, WI	715-308-2323	6	4.42
University Of Wisconsin-Eau Claire	105 Garfield Ave, Eau Claire, WI	715-836-4636	12300	4.42
Apple Valley Home	6700 Hwy 53, Eau Claire, WI	715-835-5141	4	4.42
Rem Wisconsin Iii Inc Redwood	S7935 Redwood Drive, Eau Claire, WI	715-713-0330	4	4.46
UW-Eau Claire Davies Center	77 Roosevelt Ave, Eau Claire, WI	715-836-5631		4.47
Ashmd LLC	1909 Glenwood Ave, Eau Claire, WI	715-432-5893	8	4.52
Play To Learn Child Care Center	3137 Leslie Ln, Eau Claire, WI	715-830-0569	8	4.58
Ambers Nature View	501 West Hamilton Ave, Eau Claire, WI	715-897-1207	4	4.58
Malissa Dahlstrom's Family Cc	3415 Douglas Ln, Eau Claire, WI	715-214-8186	8	4.6
Genesis Child Development Center	418 N Dewey St, Eau Claire, WI	715-830-2275	115	4.64
YMCA-Locust Lane SACC	3245 Locust Ln, Eau Claire, WI	715-838-4848	32	4.65
Little Bloomers	3980 Tamara Dr, Eau Claire, WI	715-839-1050	85	4.65
Putnam Heights Elementary	633 W Macarthur Ave, Eau Claire, WI	715-852-4200	448	4.66
Second Avenue School	721 Oxford Ave, Eau Claire, WI	715-852-6901	16	4.66
Oxford Avenue School	728 Oxford Ave, Eau Claire, WI	715-852-6901	2	4.67
Chippewa Valley Technical College	620 W Clairemont Ave, Eau Claire, WI	715-833-6200	8098	4.67
Eau Claire Academy	550 N Dewey St, Eau Claire, WI	715-834-6681	32	4.68
YMCA-Putnam Heights SACC	633 W MacArthur Ave, Eau Claire, WI	715-552-1200	45	4.69
Locust Lane Elementary	3245 Locust Ln, Eau Claire, WI	715-852-3700	340	4.72
Northwest Pathways to Independence 1	2527 Waller St, Eau Claire, WI	715-830-9482	4	4.72
Traci's Child Care	2006 Ruby Ln, Eau Claire, WI	715-832-6037	6	4.75
Our House Eau Claire Memory Care	733 W Hamilton Ave, Eau Claire, WI	715-832-3970	20	4.8
Yolo Homes Stein House	2833 Stein Blvd, Eau Claire, WI	715-379-8584	4	4.82
Rays Of Sunshine	3231 Midway St, Eau Claire, WI	715-530-2750	8	4.83
Play Care Day Care	2669 Mercury Ave, Eau Claire, WI	715-579-4976	8	4.88
Stepping Stones Learning Center	836 Richard Dr, Eau Claire, WI	715-514-1906	75	4.89
Lutheran Social Services of WI And Up Midway Crisis	3359 Midway St, Eau Claire, WI	N/A	4	4.91
Sacred Heart Hospital	900 W Clairemont Ave, Eau Claire, WI	715-717-4121	344	4.92
Sacred Heart Hospital Dialysis	900 W Clairemont Ave, Eau Claire, WI			4.92
Circle Of Hope Inc II	3532 Locust Lane, Eau Claire, WI	715-829-3847	4	4.94
North High	1801 Piedmont Rd, Eau Claire, WI	715-852-6600	1757	4.95
Mayo Clinic Health System Child Development Center	540 Fulton St, Eau Claire, WI	715-838-3198	180	5.06
Affinity House	3042 Kilbourne Avenue, Eau Claire, WI	715-833-0436	18	5.06
Gratus At Upnorth	3041 Kilbourne Ave, Eau Claire, WI	715-895-8437	4	5.06
Rachel's Place Early Learning Ctr	2226 Eddy Ln, Eau Claire, WI	715-832-1414	105	5.07
Davey Elementary	3000 Starr Ave, Eau Claire, WI	715-852-3200	383	5.11
YMCA-Sam Davey SACC	3000 Starr Ave, Eau Claire, WI	715-839-4609	36	5.14
Mayo Clinic Health System	1221 Whipple St, Eau Claire, WI	715-838-3311	304	5.14

Facility Name	Address	Phone	Capacity	Distance
Marcie Cares LLC	1024 Pershing Street, Eau Claire, WI	715-835-0669	4	5.14
Dorothy M House	3321 Edwards St, Eau Claire, WI	715-559-2123	1	5.18
Lakeshore Elementary	711 Lake St, Eau Claire, WI	715-852-3400	355	5.18
Luther Hospital - Mayo Clinic Dialysis	1221 Whipple St, Eau Claire, WI			5.18
Shootingstars Daycare	1225 Pershing St, Eau Claire, WI	715-379-6427	8	5.2
Lakeshore Elementary SACC	711 Lake St, Eau Claire, WI	715-832-3003	36	5.21
Lake Hallie Dialysis of Davita	3636 E Melby St, Chippewa Falls, WI			5.22
Chippewa Valley Montessori Charter School	400 Cameron St, Eau Claire, WI	715-852-6950	322	5.23
Carol Brenner's Childcare	3713 Robin Rd, Eau Claire, WI	715-456-4102	8	5.24
Stable Living	2206 2nd Street, Eau Claire, WI	715-209-5612	3	5.35
UWEC-Children's Nature Academy	1190 Priory Rd, Eau Claire, WI	715-836-2178	180	5.36
Circle Of Friends Early Learn Ctr	1750 Hallie Rd Ste 3, Chippewa Falls, WI	715-552-9696	50	5.38
L.E. Phillips YMCA Sports Center	3456 Craig Rd, Eau Claire, WI	715-552-1200	152	5.38
Fahrman Center	3136 Craig Road, Eau Claire, WI	715-835-9110	42	5.38
Marshfield Medical Center - Eau Claire	2310 Craig Rd, Eau Claire, WI	715-858-8100	56	5.41
Marshfield Medical Center - Eau Claire Tel	2116 Craig Rd, Eau Claire, WI	833-883-3262	12	5.42
Marshfield Clinic Comfort and Recovery-Eau Claire	2116 Craig Rd, Eau Claire, WI	715-836-1200	12	5.42
Shari Engh	3220 Comet Ave, Eau Claire, WI	715-491-8801	3	5.67
Poplar Place	3012 Milton Road, Eau Claire, WI	715-832-5085	4	5.67
Michelle's Little Ones	251 Hewitt St, Eau Claire, WI	715-832-3098	8	5.79
Northwest Pathways to Independence 15	3210/3212 Runway Ave, Eau Claire, WI	715-552-2153	4	5.86
Truax Head Start Center	623 Truax Blvd, Eau Claire, WI	715-985-2391	17	5.87
Grace Luth Foun - SACC Roosevelt	3010 8th St, Eau Claire, WI	715-894-2345	52	5.97
Roosevelt Elementary	3010 8th St, Eau Claire, WI	715-852-4700	276	5.97
St James Elementary	2502 11th St, Eau Claire, WI	715-830-2277	89	5.98
Stable Living LLP Illinois St	104/106 Illinois St, Eau Claire, WI	715-456-6305	4	6.12
Stable Living LLP 312 Ferry Street	312 Ferry Street, Eau Claire, WI	715-450-5062	4	6.18
Beacon Specialized Living Lake Hallie	11250 27th Ave, Chippewa Falls, WI	715-861-3298	4	6.22
Stable Living LLP	466 Ferry St, Eau Claire, WI	715-209-5612	4	6.28
Hillview Home	2220 Orchard Place, Eau Claire, WI	715-834-1965	4	6.3
Northwest Pathways to Independence 14-Calumet	2511 Calumet Rd, Eau Claire, WI	715-552-5438	4	6.3
Adventures Begin Childcare LLC	1721 Westgate Rd, Eau Claire, WI	715-514-4442	75	6.39
Delong Middle	2000 Vine St, Eau Claire, WI	715-852-4900	967	6.41
Dove Healthcare-West	1405 Truax Blvd, Eau Claire, WI	715-552-1030	85	6.41
Orchard Hills	1403 Truax Blvd, Eau Claire, WI	715-930-6000	39	6.43
Kess's Kids Family Day Care	2434 Haanstad Rd, Eau Claire, WI	715-834-5954	8	6.45

Facility Name	Address	Phone	Capacity	Distance
Northwest Pathways to Independence Inc #9	2617 Haanstad Road, Eau Claire, WI	715-855-0758	4	6.46
Woodward Lane	3142 Co Hwy P, Chippewa Falls, WI	715-720-9547	4	6.52
Brighter Beginnings ELC-A Karrasel	1612 Truax Blvd, Eau Claire, WI	715-831-9944	140	6.6
Peace Tree	2124 Briarwood Ct, Eau Claire, WI	715-933-1434	8	6.63
Folsom Rem Wisconsin Iii Inc	2111 Folsom St, Eau Claire, WI	715-514-4857	4	6.66
Beacon Specialized Living Chippewa Falls	3355 120th St, Chippewa Falls, WI	715-861-3172	4	6.67
Prairie Ridge Early Learning School	3031 Epiphany Ln, Eau Claire, WI	715-852-3600	252	6.78
Rem Wisconsin III Inc-Shorewood#1	906 Shorewood Dr, Eau Claire, WI	715-861-7377	3	6.8
Rem Wisconsin III Inc-Shorewood #2	908 Shorewood Dr, Eau Claire, WI	715-861-7377	3	6.8
Little Steps Day Care	2510 Melmar Ct, Eau Claire, WI	715-456-7682	8	6.81
Aurora Residential Alternatives Inc 069	912 W Shorewood Dr, Eau Claire, WI	715-835-3153	3	6.81
Aurora Residential Alternatives Inc 071	914 W Shorewood Dr, Eau Claire, WI	715-832-7340	3	6.82
Fall Creek Residence 2	124 N Liberty Street, Fall Creek, WI	715-877-1238	4	6.86
Fall Creek Residence 8	124 N Liberty Street, Fall Creek, WI	715-877-1238	4	6.86
Pals Haven	2543 Kenora Parkway, Eau Claire, WI	608-797-0527	4	6.91
Positive Alternative Living Services	2549 Kenora Parkway, Eau Claire, WI	608-797-0527	4	6.91
Northwest Pathways to Independence 7	2402 90th St, Eau Claire, WI	715-834-5490	4	6.95
Palmer Place Fall Creek	306 S State Street, Fall Creek, WI	715-225-0268	4	6.99
Make A Difference Homes	16107 Cty Hwy Oo, Chippewa Falls, WI	715-456-7854	4	7.03
St Paul's Little Lambs Cc Presch	721 S State St, Fall Creek, WI	715-877-3501	50	7.05
Timber View	S8560 Balsam Road, Eau Claire, WI	715-878-4699	6	7.06
Sherman Elementary-SACC	3110 W Vine St, Eau Claire, WI	715-832-3039	98	7.18
Sherman Elementary	3110 W Vine St, Eau Claire, WI	715-852-4800	517	7.23
Fall Creek Elementary	336 E Hoover Ave, Fall Creek, WI	715-877-3331	471	7.23
Fall Creek High	336 E Hoover Ave, Fall Creek, WI	715-877-2809	256	7.23
Fall Creek Middle	336 E Hoover Ave, Fall Creek, WI	715-877-2511	200	7.23
Ace Family Homes LLC	11660 40th Ave, Chippewa Falls, WI	715-839-7227	4	7.39
Ace Family Homes LLC	11658 40th Ave, Chippewa Falls, WI	715-839-7227	4	7.4
Make A Difference Homes	4133 130th St, Chippewa Falls, WI	715-861-7959	4	7.42
Make A Difference Homes	4135 130th St, Chippewa Falls, WI	715-861-5156	4	7.43
McMahon Home	3555 Curvue Road, Eau Claire, WI	715-835-8000	4	7.44
Northwest Pathways to Independence 5	4127 113th Street, Chippewa Falls, WI	715-726-2044	4	7.52
New Hope Hallie Inc	10875 40th Avenue, Chippewa Falls, WI	715-720-7360	8	7.53
Little Big Top Child Care	1819 Tate Ave, Eau Claire, WI	608-397-9516	8	7.59
Make A Difference Homes	4320 132nd Street, Chippewa Falls, WI	715-456-7854	3	7.61
Make A Difference Homes LLC	4322 132nd Street, Chippewa Falls, WI	715-861-3228	3	7.61
Lake Hallie Memory Care	4407 124th Street, Chippewa Falls, WI	715-738-0011	77	7.71
Westridge	3841 96th Street, Chippewa Falls, WI	715-720-1309	4	7.84

Facility Name	Address	Phone	Capacity	Distance
Healthy Sprouts in Home	13428 46th Ave, Chippewa Falls, WI	715-222-9930	8	7.96
Christ Lutheran School	467 E Colome St, Chippewa Falls, WI	715-723-3697	85	8.13
Aurora Residential Alternatives Inc 102	E2360 Cty Rd HH, Eleva, WI	715-878-4404	4	8.14
Gratus At Selah	421 Frenette Dr, Chippewa Falls, WI	715-861-7772	24	8.18
Northwest Pathways To Independence 6	5087 Vesta Court, Eau Claire, WI	715-874-5087	4	8.3
YMCA-Halmstad After School Prgm	565 E South Ave, Chippewa Falls, WI	715-723-5135	30	8.31
One Two Three Look At Me Learn Ctr	2964 County Road F, Eau Claire, WI	715-874-4779	40	8.36
Halmstad Elementary	565 E South Ave, Chippewa Falls, WI	715-726-2415	408	8.38
Little Monkey In-Home Daycare	5400 Star Ridge Rd, Eau Claire, WI	715-492-0323	8	8.43
Chippewa Manor Nursing and Rehabilitation	222 Chapman Rd, Chippewa Falls, WI	715-723-4437	50	8.44
Chippewa Manor Living Services Corp	756 Irvine Street, Chippewa Falls, WI	715-723-4437	93	8.48
Baby Bop Inn	810 Buttenhoff Dr, Chippewa Falls, WI	715-723-1525	8	8.54
Faith Christian Preschool	733 Woodward Ave, Chippewa Falls, WI	715-415-0592	20	8.56
Heather's Family Child Care Center	721 Irvine St, Chippewa Falls, WI	715-944-3731	8	8.59
Dachel Adult Family Home	633 Woodward Ave, Chippewa Falls, WI	715-382-3476	4	8.66
Southview Elementary	615 A St, Chippewa Falls, WI	715-726-2411	334	8.71
YMCA-Southview Afterschool Prgm	615 A St, Chippewa Falls, WI	715-723-5135	30	8.72
Stillson Elementary	16556 50th Ave, Chippewa Falls, WI	715-726-2412	356	8.78
Cindy's Child Care	530 Woodward Ave, Chippewa Falls, WI	715-726-0250	8	8.8
Eau Claire Event District	5775 20th Ave, Eau Claire, WI	715-839-7500		8.81
Holy Ghost School	436 S Main St, Chippewa Falls, WI	715-723-0538	129	8.88
Care Partners Eau Claire West	5110 Stonewood Dr, Eau Claire, WI	920-999-9999	60	8.96
Beehive Homes of Eau Claire	5075 Stonewood Dr, Eau Claire, WI	715-834-0842	20	8.98
Independent Outlook 1	5093 160th Street, Chippewa Falls, WI	715-861-3141	4	8.98
Rem Wi 5560 Cyndi Court	5560 Cyndi Court, Eau Claire, WI	608-327-5945	4	9.07
Rem Wi 5562 Cyndi Ct	5562 Cyndi Court, Eau Claire, WI	715-514-3157	4	9.08
Rose View	2710 North Town Hall Rd, Eau Claire, WI	715-874-6622	8	9.09
Michelle Wenta	221 Summit Ave, Chippewa Falls, WI	715-404-0096	3	9.1
Valley View	2720 North Town Hall Rd, Eau Claire, WI	715-874-6390	8	9.11
Milestone Senior Living Renee	5512 Renee Dr, Eau Claire, WI	715-874-4250	32	9.13
Milestone Senior Living Renee	5510 Renee Dr, Eau Claire, WI	715-874-4232	26	9.14
Chippewa Valley Expo Center	5150 Old Mill Plaza, Eau Claire, WI	715-876-2552		9.28
Rhymes-N-Rainbows	5051 171st St, Chippewa Falls, WI	715-723-8000	65	9.38
Rhymes-N-Rainbows	5050 171st St, Chippewa Falls, WI	715-723-5366	50	9.38
WI Veterans Home at Chippewa Falls	2175 E Park Ave, Chippewa Falls, WI	715-720-6775	72	9.44
Independent Outlook 3	5034 174th Street, Chippewa Falls, WI	715-720-7457	4	9.46
Chippewa Valley YMCA-Hill Crest	1200 Miles St, Chippewa Falls, WI	715-723-5135	30	9.49
Hillcrest Elementary	1200 Miles St, Chippewa Falls, WI	715-726-2405	398	9.5
Prairie View	6808 W Cameron St, Eau Claire, WI	715-874-6713	8	9.56

Facility Name	Address	Phone	Capacity	Distance
Impeckable Care Inc	19082 40th Avenue, Chippewa Falls, WI	715-944-9881	4	9.56
Liberty Christian School	17250 Co Hwy J, Chippewa Falls, WI	715-723-0336	21	9.57
Sarah Lizzie's Childcare	16473 56th Ave, Chippewa Falls, WI	651-334-1832	6	9.66
Chippewa Falls High	735 Terrill St, Chippewa Falls, WI	715-726-2406	1551	9.66
Chippewa Falls Middle	750 Tropicana Blvd, Chippewa Falls, WI	715-726-2400	1133	9.67
Learning 4 Life LLC	4819 181st St, Chippewa Falls, WI	920-562-8187	8	9.68
Chippewa Valley Correctional Treatment Facility	2909 E Park Ave, Chippewa Falls, WI	715-720-2850	1	9.69
Northern Wisconsin Center	2820 E Park Ave, Chippewa Falls, WI	608-267-5150	6	9.69
Notre Dame Middle School	1316 Bel Air Blvd, Chippewa Falls, WI	715-723-0538	126	9.69
McDonell Central Catholic High School	1316 Bel Air Blvd, Chippewa Falls, WI	715-723-0538	196	9.69
Lady Bug Land Child Care Center	5360 175th St, Chippewa Falls, WI	715-577-4429	8	9.76
Chippewa Falls CESA 11 Head Start	2820 E Park Ave, Chippewa Falls, WI	715-723-1211	90	9.76
Gudmanson AFN	620 Superior St, Chippewa Falls, WI	715-512-0029	4	9.78
Northwest Pathways to Independence 10	5729 166th Street, Chippewa Falls, WI	715-723-7570	4	9.79
Roxie's Rascals	334 Stanley St, Chippewa Falls, WI	715-726-1823	8	9.87
St Charles Borromeo Primary School	429 W Spruce St, Chippewa Falls, WI	715-723-5827	127	9.89
Linden House	603 Bay Street, Chippewa Falls, WI	715-861-3516	8	9.92
Second Springs AFN	5472 178th Street, Chippewa Falls, WI	715-559-2999	4	9.97

SECTION VI: POPULATION PROTECTION

A. SHELTER-IN-PLACE

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.

B. EVACUATION

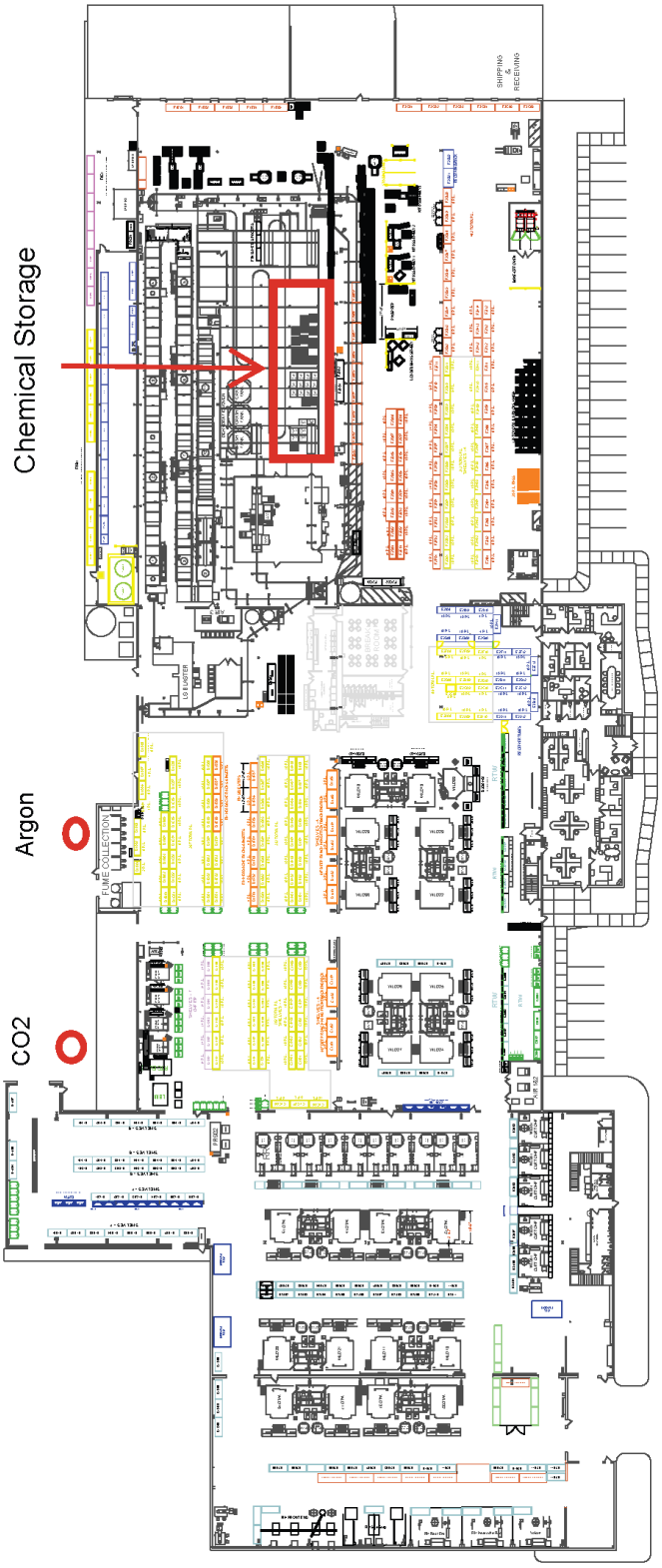
Experience indicates that shelter space would need to be provided for only 30% of the population within the initial isolation and evacuation zones and the remaining 70% would seek shelter with family and friends outside the risk zone.

SECTION VII: SPECIAL CONSIDERATIONS

A. POTENTIAL FOR AFFECTING OTHER JURISDICTIONS

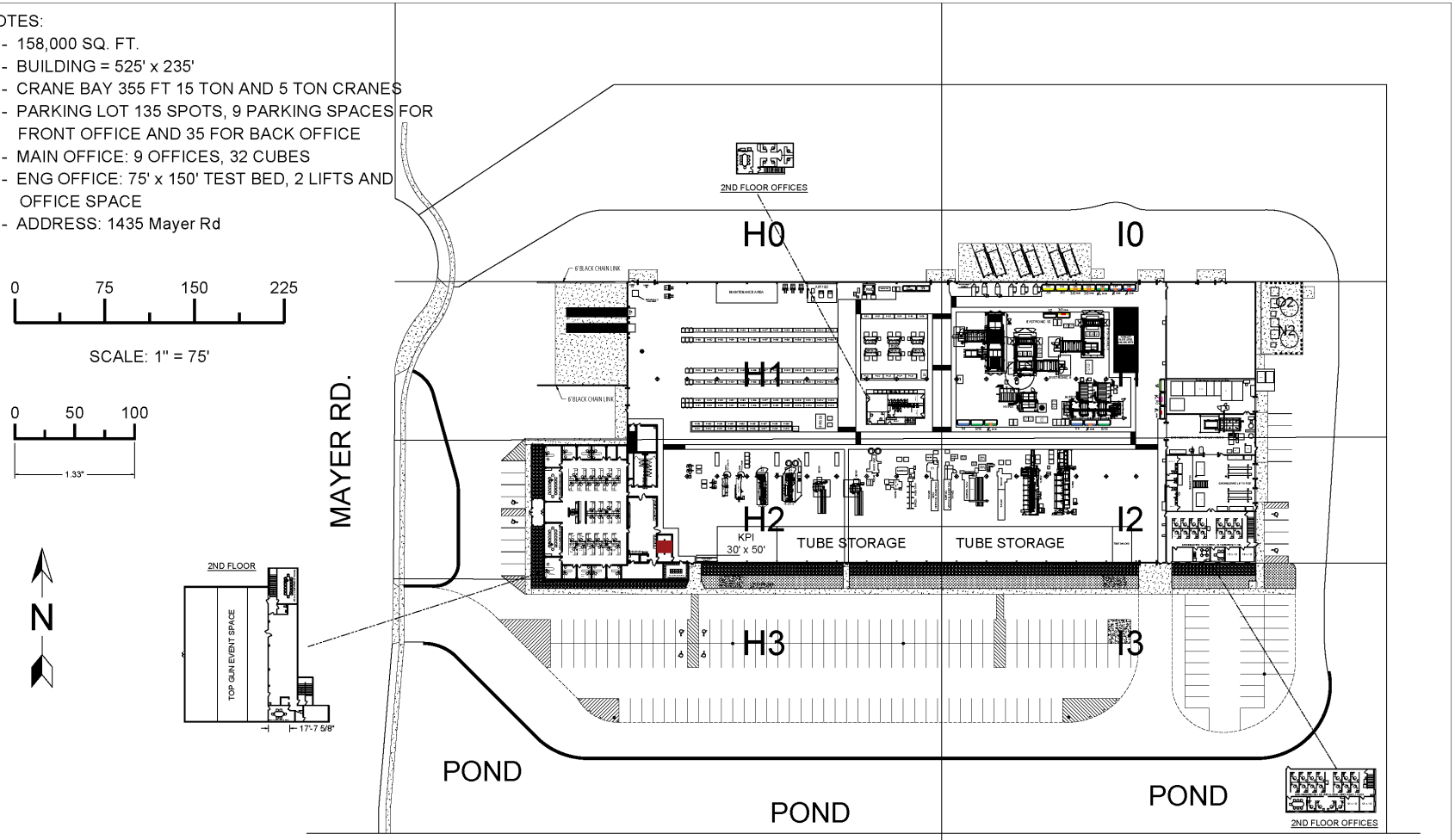
The worst-case vulnerability zone for a Hydrogen Fluoride release is greater than 10 miles and extends outside of Eau Claire County into Chippewa County. Eau Claire County Emergency Management will notify, in writing, all counties affected that a particular section of their jurisdiction falls within the vulnerability of that planning facility. A copy of the plan, after it has been accepted by Wisconsin Emergency Management (WEM), will be provided to the County Emergency Management Offices of those counties that are affected by the facility's vulnerability zone.

SECTION VIII: SITE PLAN MAP



NOTES:

- 158,000 SQ. FT.
- BUILDING = 525' x 235'
- CRANE BAY 355 FT 15 TON AND 5 TON CRANES
- PARKING LOT 135 SPOTS, 9 PARKING SPACES FOR FRONT OFFICE AND 35 FOR BACK OFFICE
- MAIN OFFICE: 9 OFFICES, 32 CUBES
- ENG OFFICE: 75' x 150' TEST BED, 2 LIFTS AND OFFICE SPACE
- ADDRESS: 1435 Mayer Rd



NO.	DATE	REVISIONS	BY	APPD

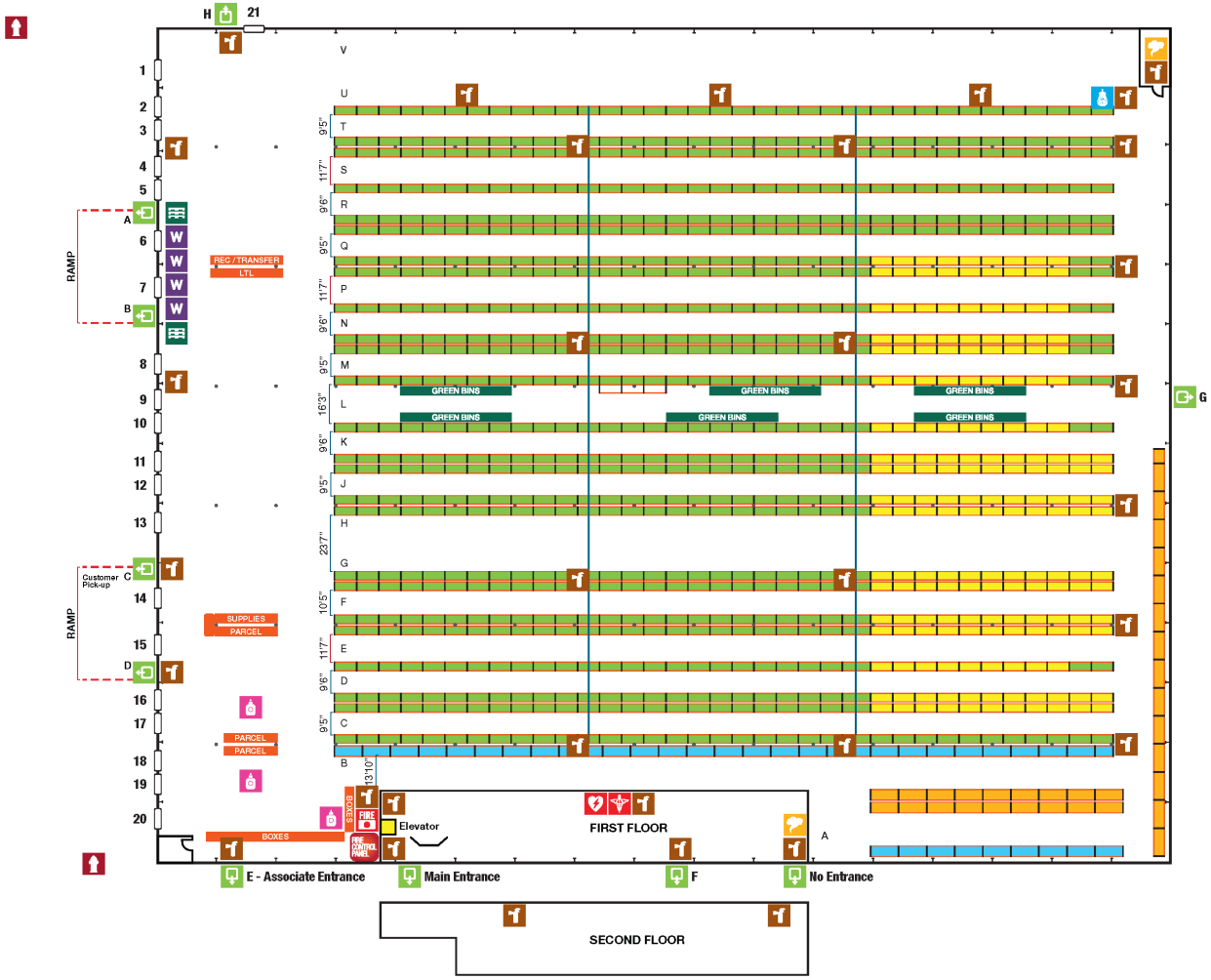
CUSTOMER P.O.
REF No.
DATE: 2/28/2023
CHECKER
DWT REV: V26.1
SCALE: NTS
LIPPERT
PROJECT: BUILDING 1435
SHEET TITLE
DRAWN BY: BRC
SHEET 1 OF 1

DC1 WAREHOUSE

- STORM SHELTER
- FIRE EXTINGUISHER
- EYE WASH STATION
- MEDICAL SUPPLIES
- ENTRANCE/EXIT
- FIRE HYDRANT
- GLUE STATION
- WRAPPER
- PALLET SCALE
- MANUAL FIRE ALARM
- AED

Racking	Height
60 x 60	16'
60 x 60	20'
STANDARD	20'
STANDARD	24'

EMERGENCY EVACUATION ZONE BY CURT Group SIGN

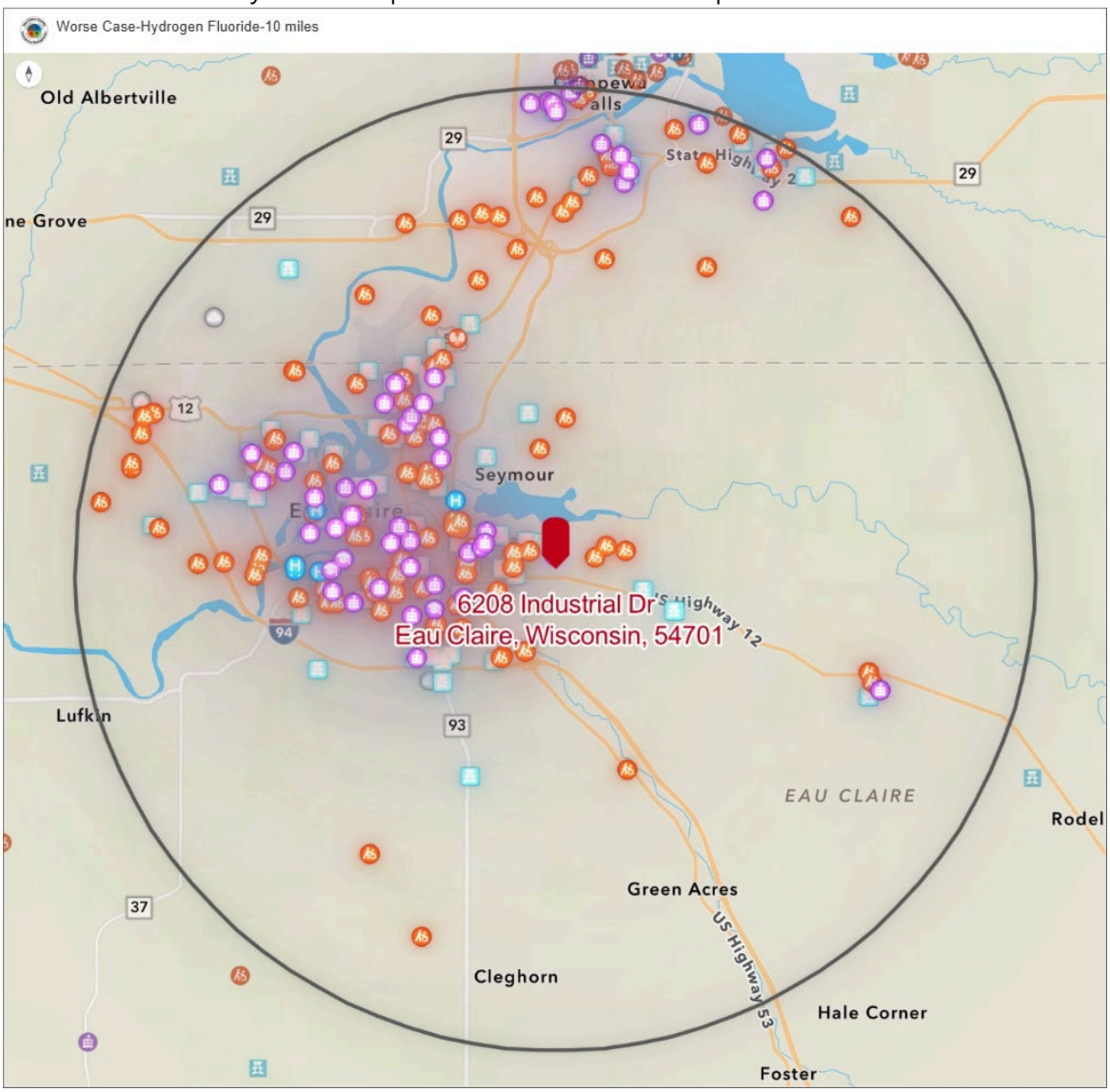


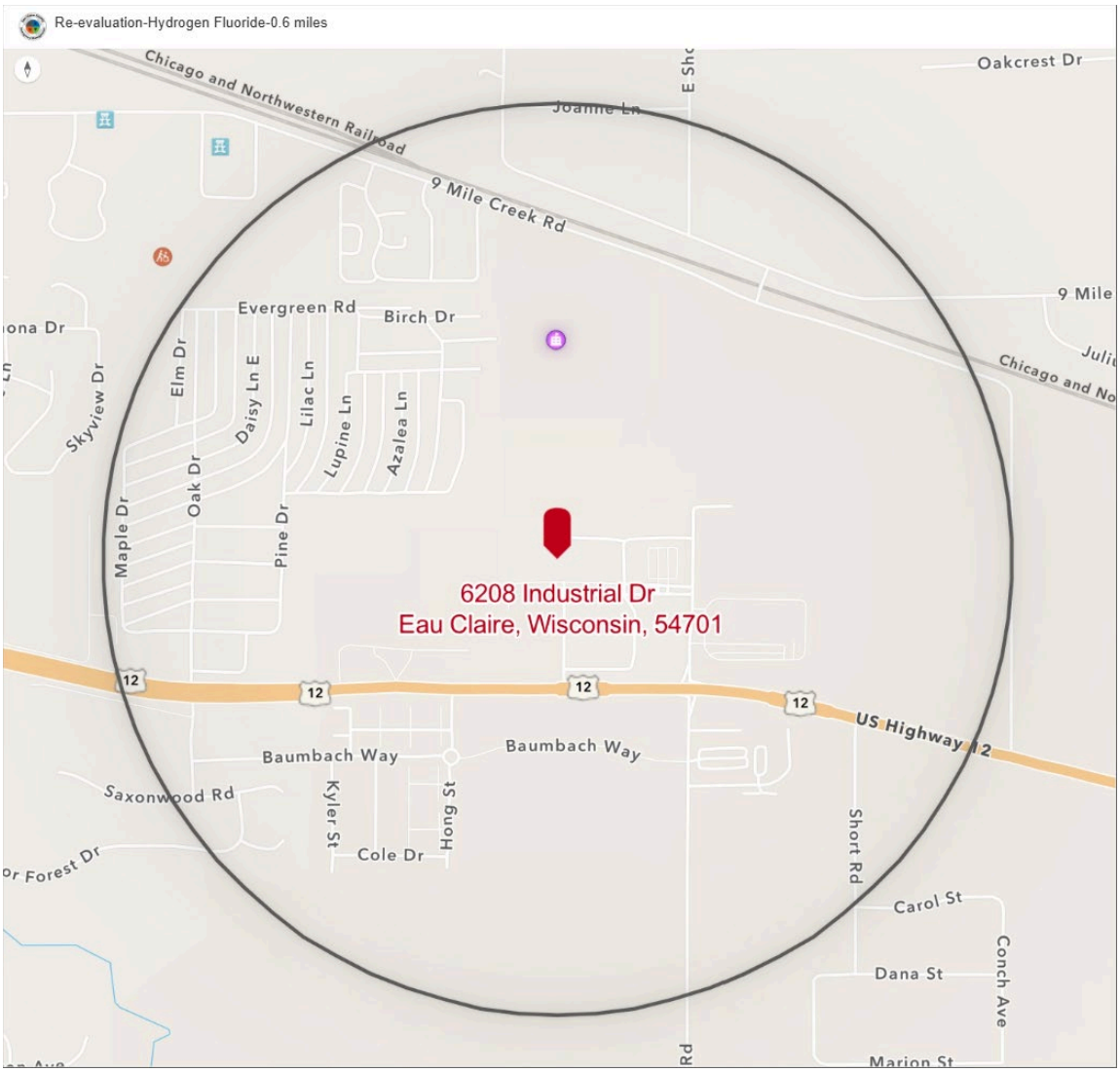
SECTION IX: DISTRIBUTION LIST

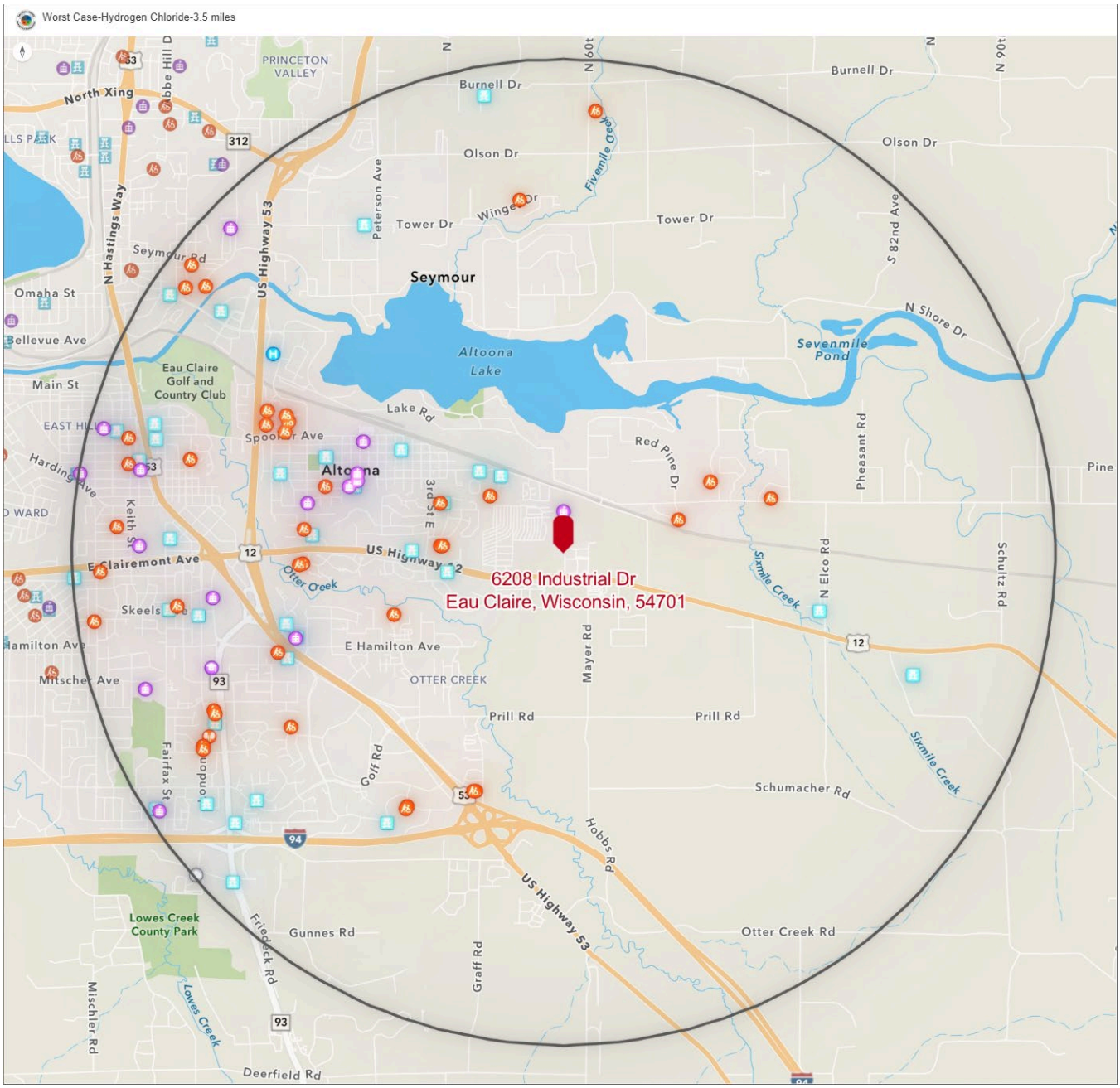
Facility
Altoona Fire Department
Wisconsin Emergency Management West Central Regional Office
Eau Claire Fire Department Hazmat
Eau Claire County Emergency Management Office
Chippewa County Emergency Management Office

SECTION X: ATTACHMENTS

Attachment 1: Vulnerability Zone Map of Identified Affected Special Facilities




Re-evaluation-Hydrogen Fluoride-0.6 miles
Chicago and Northwestern Railroad
Oakcrest Dr
Joanne Ln
9 Mile Creek Rd
9 Mile
Chicago and No
Evergreen Rd
Birch Dr
Skyview Dr
Elm Dr
Daisy Ln E
Lilac Ln
Lupine Ln
Azalea Ln
Maple Dr
Oak Dr
Pine Dr
6208 Industrial Dr
Eau Claire, Wisconsin, 54701
12
US Highway 12
Baumbach Way
Saxonwood Rd
Kyler St
Hong St
Cole Dr
Short Rd
Carol St
Dana St
Conch Ave
Marion St


Worst Case-Hydrogen Chloride-3.5 miles
6208 Industrial Dr
Eau Claire, Wisconsin, 54701
Seymour
Altoona
Altoona Lake
Sevenmile Pond
Eau Claire Golf and Country Club
Lowes Creek County Park
PRINCETON VALLEY
OTTER CREEK
Burnell Dr
Olson Dr
Tower Dr
Seymour Rd
Omaha St
Bellevue Ave
Main St
Lake Rd
Spooner Ave
Harding Ave
E Clairemont Ave
E Hamilton Ave
Mitscher Ave
Prill Rd
Schumacher Rd
Otter Creek Rd
Gunnes Rd
Deerfield Rd
Red Pine Dr
N Shore Dr
Pheasant Rd
N Elco Rd
Schultz Rd
Mayer Rd
Golf Rd
Graff Rd
Hobbs Rd
Fairfax St
Mischler Rd
Lowes Creek
Sixmile Creek
Fivemile Creek
Otter Creek
US Highway 53
US Highway 12
N Hastings Way
Peterson Ave
S 82nd Ave
3rd St E
Keith St
Pine
North Xing
312
12
53
93
94

Safety Data Sheet

Revision Number: 001.5

Issue date: 05/17/2023

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: **BONDERITE C-IC A-500 DEOXIDIZER known as DEOXIDINE A-500**
IDH number: 598846
Product type/use: Cleaner
Restriction of Use: None identified
Region: Canada
Company address:
Henkel Canada Corporation
Meadowpine Boulevard 2515
Mississauga, Ontario L5N 6C3
Contact information:
Telephone: +1 (905) 814-6511
MEDICAL EMERGENCY Phone: Poison Control Center
1-877-671-4608 (toll free) or 1-303-592-1711
TRANSPORT EMERGENCY Phone: CHEMTREC
1-800-424-9300 (toll free) or 1-703-527-3887
Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER: MAY BE CORROSIVE TO METALS.
CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.

HAZARD CLASS	HAZARD CATEGORY
CORROSIVE TO METALS	1
SKIN CORROSION	1B
SERIOUS EYE DAMAGE	1

PICTOGRAM(S)

Precautionary Statements

Prevention: Keep only in original packaging. Wash affected area thoroughly after handling. Wear protective gloves, clothing, eye and face protection.

Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.

Storage: Store locked up. Store in corrosive resistant container with a resistant inner liner.

Disposal: Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with Canadian Hazardous Products Regulations (WHMIS 2015) and is consistent with the provision of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Weight %*
Hydrochloric acid	7647-01-0	30 - 40

* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

Inhalation: If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.

Skin contact: Remove contaminated clothing and footwear. For skin contact, flush with large amounts of water. Seek immediate medical attention. Wash clothing before reuse.

Eye contact: In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.

Ingestion: Seek medical advice. Do not induce vomiting. Give one to two glasses of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions.

Symptoms: See Section 11.

Notes to physician: Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

Extinguishing media: Use media appropriate for surrounding material.

Special firefighting procedures: Wear full protective clothing. Wear self-contained breathing apparatus.

Unusual fire or explosion hazards: This product is an aqueous mixture which will not burn.

Hazardous combustion products: Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Wear appropriate protective equipment and clothing during clean-up. Do not allow product to enter sewer or waterways.

Clean-up methods: Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of according to Federal, State and local governmental regulations.

7. HANDLING AND STORAGE

Handling: Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Use only with adequate ventilation. Do not take internally. For industrial use only. NEVER ADD WATER TO PRODUCT. For dilutions, add product slowly to water while stirring. Use caution; heat may be generated.

Storage: Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials.

For information on product shelf life contact Henkel Canada Customer Service at 800-263-5043.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Hydrochloric acid	2 ppm Ceiling	5 ppm (7 mg/m3) Ceiling	None	None

Engineering controls: Ventilation should effectively remove and prevent buildup of any vapor/mist/fume/dust generated from the handling of this product.

Respiratory protection: If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

Eye/face protection: Wear chemical goggles; face shield (if splashing is possible).

Skin protection: Chemical resistant, impermeable gloves. Use of impervious apron and boots are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Color: Light amber
Odor: Pungent
Odor threshold: Not available.
pH: 1 - 2
Vapor pressure: Not determined
Boiling point/range: > 100 °C (> 212°F)
Melting point/ range: Not determined
Specific gravity: 1.15 - 1.18
Vapor density: Not determined
Flash point: Not applicable
Flammable/Explosive limits - lower: Not available.
Flammable/Explosive limits - upper: Not available.
Autoignition temperature: Not applicable
Flammability: Not applicable
Evaporation rate: Not determined
Solubility in water: Complete
Partition coefficient (n-octanol/water): Not determined
VOC content: 0 % (calculated)
Viscosity: Not available.
Decomposition temperature: Not available.

10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions.

Hazardous reactions: Will not occur.

Hazardous decomposition products: Thermal decomposition may yield hydrogen chloride. Upon combustion, oxides of chlorine may be released.

Incompatible materials: This product may react with strong acids, bases and oxidizing agents. Do not mix with chlorates. Adding water to this product may cause localized overheating and splattering.

Reactivity: Not available.

Conditions to avoid: Keep away from heat, ignition sources and incompatible materials.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects/Symptoms

Inhalation: Mists, vapors or liquid may cause severe irritation or burns.
Skin contact: Corrosive to the skin. Contact with the skin or mucous membranes may cause severe irritation and burns.
Eye contact: This product is severely irritating to the eyes and may cause irreversible damage including burns and blindness.
Ingestion: This product may produce corrosive damage to the gastrointestinal tract if it is swallowed.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Hydrochloric acid	Oral LD50 (Rabbit) = 900 mg/kg Dermal LD50 (Mouse) = 1,449 mg/kg	Irritant, Corrosive, Kidney

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Hydrochloric acid	No	No	No

12. ECOLOGICAL INFORMATION

Ecological information: Not available.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any packaging.

Canada Transportation of Dangerous Goods - Ground
Proper shipping name: HYDROCHLORIC ACID solution
Hazard class or division: 8
Identification number: UN 1789
Packing group: II

International Air Transportation (ICAO/IATA)
Proper shipping name: Hydrochloric acid solution
Hazard class or division: 8
Identification number: UN 1789
Packing group: II

Water Transportation (IMO/IMDG)
Proper shipping name: HYDROCHLORIC ACID solution
Hazard class or division: 8
Identification number: UN 1789
Packing group: II

15. REGULATORY INFORMATION

Canada Regulatory Information

CEPA DSL/NDSL Status: Contains one or more components listed on the Non-Domestic Substances List. All other components are listed on or are exempt from listing on the Domestic Substances List. Components listed on the NDSL must be tracked by all Canadian Importers of Record as required by Environment Canada. They may be imported into Canada in limited quantities. Please contact Regulatory Affairs for additional details.

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: New Safety Data Sheet format.

Prepared by: Regulatory Affairs

Issue date: 05/17/2023

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This Safety Data Sheet has been generated based on the Canadian Hazardous Products Regulations (WHMIS 2015) and provides information in accordance with Canadian law only. No warranty or representation of any kind is given with respect to the substantive or export laws of any other jurisdiction or country. Please confirm that the information provided herein conforms to the substantive export or other law of any other jurisdiction prior to export. Please contact Henkel Product Safety and Regulatory Affairs for additional assistance.

Revision Number: 003.1 **Issue date:** 03/22/2017

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: **BONDERITE M-AD 140 AUTODEPOSITION ADDITIVE known as AQUENCE 140 OXIDIZER**
IDH number: 1164793
Product type: Auxiliary product
Restriction of Use: None identified
Region: United States
Company address:
Henkel Corporation
One Henkel Way
Rocky Hill, Connecticut 06067
Contact information:
Telephone: +1 (860) 571-5100
MEDICAL EMERGENCY Phone: Poison Control Center
1-877-671-4608 (toll free) or 1-303-592-1711
TRANSPORT EMERGENCY Phone: CHEMTREC
1-800-424-9300 (toll free) or 1-703-527-3887
Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	
DANGER:	MAY INTENSIFY FIRE; OXIDIZER. HARMFUL IF SWALLOWED. CAUSES SEVERE SKIN BURNS AND EYE DAMAGE. MAY CAUSE DROWSINESS OR DIZZINESS.

HAZARD CLASS	HAZARD CATEGORY
OXIDIZING LIQUID	2
ACUTE TOXICITY ORAL	4
SKIN CORROSION	1B
SERIOUS EYE DAMAGE	1
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	3

PICTOGRAM(S)

Precautionary Statements

Prevention: Keep away from heat. Keep away from clothing and other combustible materials. Take any precaution to avoid mixing with combustibles. Avoid breathing vapors, mist, or spray. Wash affected area thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves, clothing, eye and face protection.

Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wash contaminated clothing before reuse. In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal: Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Percentage*
Hydrogen peroxide	7722-84-1	20 - 30

* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

Inhalation: If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.

Skin contact: Remove contaminated clothing and footwear. Immediately wash skin thoroughly with soap and water. If symptoms develop and persist, get medical attention.

Eye contact: In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.

Ingestion: Get immediate medical attention. Do not induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions.

Symptoms: See Section 11.

Notes to physician: If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.A nasogastric or orogastric tube may be required for the reduction of severe distension due to gas formation.

5. FIRE FIGHTING MEASURES

Extinguishing media: Water spray (fog), foam, dry chemical or carbon dioxide.

Special firefighting procedures: Wear full protective clothing. Wear self-contained breathing apparatus.

Unusual fire or explosion hazards: This product is an oxidizing agent and is a serious fire and explosion risk. Do not permit contact with combustible, organic, or other oxidizable materials.

Hazardous combustion products: Upon combustion, this product may release oxygen, which may increase the fire hazard.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Wear appropriate protective equipment and clothing during clean-up. Do not allow product to enter sewer or waterways.

Clean-up methods: Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of according to Federal, State and local governmental regulations.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Avoid breathing mists or aerosols of this product. For industrial use only.

Storage: Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Remove all sources of ignition.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Hydrogen peroxide	1 ppm TWA	1 ppm (1.4 mg/m3) PEL	None	None

Engineering controls: Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

Respiratory protection: If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2-1992). A written respiratory protection program, including provisions for medical certification, training, fit testing, exposure assessments, maintenance, inspection, cleaning, and convenient, sanitary storage must be implemented. If concentrations are below the TLV and/or PEL, a NIOSH approved disposable dust/mist respirator may be used for personal comfort. For concentrations above the TLV and/or PEL but less than 10 times these limits, a NIOSH approved half-facepiece respirator equipped with dust-mist cartridges may be used. For concentrations greater than 10 times these limits, consult the NIOSH respirator decision logic found in Publication No. 87-116 or ANSI Z88.2-1992.

Eye/face protection: Wear chemical goggles; face shield (if splashing is possible).

Skin protection: Wear impervious gloves for prolonged contact. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron and boots are recommended. Suitable glove materials may include: The use of polyvinyl chloride gloves is recommended. Viton gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Colorless
Odor:	Slight
Odor threshold:	Not available.
pH:	2.0 - 3.0
Vapor pressure:	24 mm hg (20 °C (68°F)) Supplier method
Boiling point/range:	106 °C (222.8 °F)calculated
Melting point/ range:	-26 °C (-14.8 °F) calculated
Specific gravity:	1.1 at 25 °C (77°F)
Vapor density:	Not determined
Flash point:	Not applicable
Flammable/Explosive limits - lower:	Not applicable
Flammable/Explosive limits - upper:	Not applicable
Autoignition temperature:	Not applicable
Flammability:	Not applicable
Evaporation rate:	Not determined

Solubility in water:	Complete
Partition coefficient (n-octanol/water):	Not determined
VOC content:	0 % (calculated)
Viscosity:	Not available.
Decomposition temperature:	Not available.

10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions.

Hazardous reactions: None under normal processing.

Hazardous decomposition products: Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitrogen.

Incompatible materials: This product may react with strong acids, bases and oxidizing agents.

Reactivity: Not available.

Conditions to avoid: Keep away from heat, ignition sources and incompatible materials.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects/Symptoms

Inhalation:	Mists, vapors or liquid may cause severe irritation or burns.
Skin contact:	Corrosive to the skin. Contact with the skin or mucous membranes may cause severe irritation and burns.
Eye contact:	This product is severely irritating to the eyes and may cause irreversible damage including burns and blindness.
Ingestion:	This product may produce corrosive damage to the gastrointestinal tract if it is swallowed.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Hydrogen peroxide	None	Central nervous system, Corrosive, Irritant, Skin

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Hydrogen peroxide	No	No	No

12. ECOLOGICAL INFORMATION

Ecological information: Harmful to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

Hazardous waste number: This product, if discarded, may be characterized as a RCRA corrosive waste, D002. If discarded, this product is considered a RCRA ignitable waste, D001.

14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name:	Hydrogen peroxide, aqueous solutions
Hazard class or division:	5.1 (8)
Identification number:	UN 2014
Packing group:	II

International Air Transportation (ICAO/IATA)

Proper shipping name:	Hydrogen peroxide, aqueous solution
Hazard class or division:	5.1 (8)
Identification number:	UN 2014
Packing group:	II

Water Transportation (IMO/IMDG)

Proper shipping name:	HYDROGEN PEROXIDE, AQUEOUS SOLUTION
Hazard class or division:	5.1 (8)
Identification number:	UN 2014
Packing group:	II

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status:	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12 (b) Export Notification:	None above reporting de minimis
CERCLA/SARA Section 302 EHS:	Hydrogen peroxide (CAS# 7722-84-1).
CERCLA/SARA Section 311/312:	Immediate Health, Delayed Health, Reactive
CERCLA/SARA Section 313:	None above reporting de minimis.
California Proposition 65:	No California Proposition 65 listed chemicals are known to be present.

Canada Regulatory Information

CEPA DSL/NDSL Status:	All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: Reviewed MSDS. Reissued with new date.

Prepared by: Mark Mau, Manager, Regulatory Affairs

Issue date: 03/22/2017

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Revision Number: 004.4 **Issue date:** 06/07/2021

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: **BONDERITE M-AD 35 AUTODEPOSITION ADDITIVE known as AQUENCE 35 ACTIVATOR**
IDH number: 593920
Product type/use: Additive
Item number: 593920
Restriction of Use: None identified
Region: United States
Company address:
Henkel Corporation
One Henkel Way
Rocky Hill, Connecticut 06067
Contact information:
Telephone: +1 (860) 571-5100
MEDICAL EMERGENCY Phone: Poison Control Center
1-877-671-4608 (toll free) or 1-303-592-1711
TRANSPORT EMERGENCY Phone: CHEMTREC
1-800-424-9300 (toll free) or 1-703-527-3887
Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER: CONTAINS FLUORIDES. MAY CAUSE DELAYED BURNS (NOT IMMEDIATELY PAINFUL OR VISIBLE)! LONG TERM EXPOSURE TO FLUORIDES OVER YEARS MAY CAUSE FLUOROSIS!
TOXIC IF SWALLOWED.
FATAL IN CONTACT WITH SKIN.
CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.
HARMFUL IF INHALED.

HAZARD CLASS	HAZARD CATEGORY
ACUTE TOXICITY ORAL	3
ACUTE TOXICITY INHALATION	4
ACUTE TOXICITY DERMAL	2
SKIN CORROSION	1B
SERIOUS EYE DAMAGE	1

PICTOGRAM(S)

Precautionary Statements

Prevention: Avoid breathing vapors, mist, or spray. Do not get in eyes, on skin, or on clothing. Wash affected area thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves, clothing, eye and face protection.

Response: IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Rinse mouth. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN: Gently wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/ physician. If on skin (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Take off contaminated clothing.

Storage: Store locked up.

Disposal: Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Percentage*
Hydrogen fluoride	7664-39-3	5 - 10

* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

Inhalation: If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist. If breathing is difficult, give oxygen. Trained personnel should administer 2.5% calcium gluconate through a nebulizer for 20 minutes.

Skin contact: Remove contaminated clothing and footwear while rinsing the affected area with large amounts of running water for at least 15 minutes. GET IMMEDIATE MEDICAL ATTENTION. If iced solution of 0.13% aqueous Benzalkonium Chloride (Zephiran) or 2.5% calcium gluconate gel is available, rinsing may be limited to 5 minutes, with the soak solution or gel applied as soon as the rinsing is stopped. Gloves should be worn when applying the gel to prevent transfer of HF and secondary burns. If using calcium gluconate gel, it should be continuously re-applied and massaged into the affected area until pain has been relieved for at least 30 minutes. If Benzalkonium Chloride (Zephiran) or calcium gluconate gel is not available, rinsing must continue until medical treatment is provided.

Eye contact: Immediately flush affected eye with large amounts of gently flowing water or 0.9% sterile saline solution for at least 15 minutes. Hold eyelid wide open. Get immediate medical attention. Eye flushing should continue during transportation to a doctor.

Ingestion: Get immediate medical attention. Do not induce vomiting. Attempt immediate administration of a fluoride binding substance: milk, chewable calcium carbonate tablets or 4-8 ounces (120-240 ml) of milk of magnesia or a liquid antacid. Avoid large amounts of liquid as it may induce vomiting.

Symptoms: See Section 11.

Notes to physician: Treatment of hypocalcemia associated with corrosive fluoride compounds exposure may be corrected by intravenous calcium gluconate or calcium chloride. Treatment of hypomagnesemia may be corrected by intravenous magnesium sulfate.

5. FIRE FIGHTING MEASURES

Extinguishing media: Water spray (fog), foam, dry chemical or carbon dioxide.

Special firefighting procedures: Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Wear full protective clothing.

Unusual fire or explosion hazards: May liberate large quantities of dense, foul-smelling smoke which may contain unidentified toxic gasses.

Hazardous combustion products: Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Hydrogen fluoride.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Wear appropriate protective equipment and clothing during clean-up. Do not allow product to enter sewer or waterways.

Clean-up methods: Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of according to Federal, State and local governmental regulations.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing mists or aerosols of this product. Wash thoroughly after handling. Do not take internally. For industrial use only.

Storage: For safe storage, store at or above 0 °C (32°F)
Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Hydrogen fluoride	2 ppm Ceiling (as F) 0.5 ppm TWA (as F) (SKIN) (as F)	2.5 mg/m3 PEL (as F) 3 ppm TWA	None	None

Engineering controls: Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

Respiratory protection: If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

Eye/face protection: Wear chemical goggles; face shield (if splashing is possible).

Skin protection: Use of impervious apron and boots are recommended. Wear impervious gloves for prolonged contact. Gloves should be tested to determine suitability for prolonged contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Color: Pink, Dark
Odor: Acrid
Odor threshold: Not available.
pH: < 1
Vapor pressure: Not determined
Boiling point/range: > 100 °C (> 212°F)calculated
Melting point/ range: Not determined
Specific gravity: 1.01 - 1.03
Vapor density: Not determined
Flash point: Not applicable
Flashback: Not applicable
Flame projection: Not applicable
Flammable/Explosive limits - lower: Not determined
Flammable/Explosive limits - upper: Not determined
Autoignition temperature: Not determined

Flammability:	Not applicable
Evaporation rate:	Not available.
Solubility in water:	Complete Aqueous solution
Partition coefficient (n-octanol/water):	Not determined
VOC content:	Not determined
Viscosity:	Not available.
Decomposition temperature:	Not available.

10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions.

Hazardous reactions: None under normal processing.

Hazardous decomposition products: May liberate hydrogen fluoride. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Incompatible materials: This product may react with strong acids, bases and oxidizing agents. This material will react with glass, concrete, certain metals, silica containing materials, rubber, leather, and many organics.

Reactivity: Not available.

Conditions to avoid: Store away from incompatible materials.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects/Symptoms

Inhalation: Mists, vapors or liquid may cause severe irritation or burns. Contains fluorides. Exposure to fluorides over years may cause fluorosis.

Skin contact: This product is severely irritating to the skin and may cause burns. Liquid or vapor can cause fluoride-type irritation or burns which may not be immediately painful or visible. Hydrofluoric acid will penetrate the skin and attack underlying tissue and bone. Large burns (over 25 square inches) may also cause hypocalcemia and other systemic effects which may be fatal.

Eye contact: This product is severely irritating to the eyes and may cause irreversible damage including burns and blindness.

Ingestion: Ingestion of small amounts of this product may result in potentially fatal hypocalcemia and systemic toxicity. Ingestion of large amounts of this product may result in fluoride poisoning including symptoms of calcification of the ligaments and severe bone changes making normal movements painful, mottling of the teeth, pulmonary fibrosis, anemia, anorexia, dental effects, and possibly death. Ingestion causes burns of the upper digestive and respiratory tracts. Contains fluorides. Exposure to fluorides over years may cause fluorosis.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Hydrogen fluoride	None	Allergen, Blood, Bone Marrow, Cardiac, Central nervous system, Corrosive, Irritant, Kidney, Liver, Lung, Muscle, Nervous System, Respiratory, Teeth

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Hydrogen fluoride	No	No	No

12. ECOLOGICAL INFORMATION

Ecological information: Do not empty into drains / surface water / ground water.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name:	Hydrofluoric acid solution
Hazard class or division:	8 (6.1)
Identification number:	UN 1790
Packing group:	II
DOT Hazardous Substance(s):	Hydrofluoric acid

International Air Transportation (ICAO/IATA)

Proper shipping name:	Hydrofluoric acid solution
Hazard class or division:	8 (6.1)
Identification number:	UN 1790
Packing group:	II

Water Transportation (IMO/IMDG)

Proper shipping name:	HYDROFLUORIC ACID solution
Hazard class or division:	8 (6.1)
Identification number:	UN 1790
Packing group:	II

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status:	All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.
TSCA 12 (b) Export Notification:	None above reporting de minimis
CERCLA/SARA Section 302 EHS:	Hydrogen fluoride (CAS# 7664-39-3).
CERCLA/SARA Section 311/312:	Immediate Health, Delayed Health
CERCLA/SARA Section 313:	This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Hydrogen fluoride (CAS# 7664-39-3).
CERCLA Reportable quantity:	Hydrogen fluoride (CAS# 7664-39-3) 100 lbs. (45.4 kg)
California Proposition 65:	No California Proposition 65 listed chemicals are known to be present.

Canada Regulatory Information

CEPA DSL/NDSL Status:	All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: New Safety Data Sheet format.

Prepared by: Regulatory Affairs

Issue date: 06/07/2021

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Revision Number: 001.2

Issue date: 09/09/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: **BONDERITE S-WT 443 WATERE TREATMENT known as BASE 443**

IDH number: 760715

Product type: Acidic Cleaner for Industrial Application

Restriction of Use: None identified

Region: United States

Company address:
Henkel Corporation
32100 Stephenson Highway
Madison Heights, MI 48071

Contact information:
Telephone: 248.583.9300
MEDICAL EMERGENCY Phone: Poison Control Center
1-877-671-4608 (toll free) or 1-303-592-1711
TRANSPORT EMERGENCY Phone: CHEMTREC
1-800-424-9300 (toll free) or 1-703-527-3887
Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	
DANGER:	CAUSES SEVERE SKIN BURNS AND EYE DAMAGE. MAY CAUSE CANCER. CAUSES DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.

HAZARD CLASS	HAZARD CATEGORY
SKIN CORROSION	1B
SERIOUS EYE DAMAGE	1
CARCINOGENICITY	1A
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	1

PICTOGRAM(S)

Precautionary Statements

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe vapors, mist, or spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, eye protection, and face protection. Use personal protective equipment as required.

Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. Immediately call a poison control center or physician. Wash contaminated clothing before reuse.

Storage: Store locked up.

Disposal: Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Percentage*
Sulfuric acid	7664-93-9	30 - 60

* Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

Inhalation: If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.

Skin contact: Remove contaminated clothing and footwear. For skin contact, flush with large amounts of water. Seek immediate medical attention.

Eye contact: In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.

Ingestion: DO NOT induce vomiting unless directed to do so by medical personnel. Give one to two glasses of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions.

Symptoms: See Section 11.

Notes to physician: Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

Extinguishing media: Use media appropriate for surrounding material. In case of fire, keep containers cool with water spray. Avoid direct contact of this product with water since this can cause a violent exothermic reaction.

Special firefighting procedures: Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Unusual fire or explosion hazards: This product is an aqueous mixture which will not burn.

Hazardous combustion products: Irritating and toxic gases or fumes may be released during a fire. Oxides of sulfur.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Wear appropriate personal protective equipment. Do not allow product to enter sewer or waterways.

Clean-up methods: Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of according to Federal, State and local governmental regulations. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.

7. HANDLING AND STORAGE

Handling: Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Do not take internally. For industrial use only.

Storage: For safe storage, store at or above 40 °F (4.4 °C)
Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Thaw and mix thoroughly if frozen.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Sulfuric acid	0.2 mg/m3 TWA Thoracic fraction.	1 mg/m3 PEL	None	None

Engineering controls: Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

Respiratory protection: If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

Eye/face protection: Wear chemical goggles; face shield (if splashing is possible).

Skin protection: Chemical resistant, impermeable gloves. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron and boots are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Color: Colorless
Odor: Odorless
Odor threshold: Not available.
pH: < 1
Vapor pressure: Not determined
Boiling point/range: > 100 °C (> 212°F) calculated
Melting point/ range: Not determined
Vapor density: Not determined
Flash point: Not applicable
Flammable/Explosive limits - lower: Not available.
Flammable/Explosive limits - upper: Not available.
Autoignition temperature: Not applicable
Evaporation rate: Not available.
Solubility in water: Complete
Partition coefficient (n-octanol/water): Not determined
VOC content: Not applicable
Viscosity: Not available.
Decomposition temperature: Not available.

10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions.

Hazardous reactions: Will not occur.

Hazardous decomposition products: Oxides of sulfur.

Incompatible materials: Keep away from organic materials, combustible materials, alkalis and metals. Adding water to this product may cause localized overheating and splattering.

Reactivity: Not available.

Conditions to avoid: None identified.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects/Symptoms

Inhalation: Mists, vapors or liquid may cause severe irritation or burns.

Skin contact: Corrosive to the skin. Contact with the skin or mucous membranes may cause severe irritation and burns.

Eye contact: This product is severely irritating to the eyes and may cause irreversible damage including burns and blindness.

Ingestion: This product may produce corrosive damage to the gastrointestinal tract if it is swallowed.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Sulfuric acid	Inhalation LC50 (RAT, 1 h) = 347 mg/l	Carcinogen, Corrosive, Irritant, Lung

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Sulfuric acid	Known To Be Human Carcinogen.	Group 1	No

12. ECOLOGICAL INFORMATION

Ecological information: Because of the low pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal.

Hazardous waste number: This product, if discarded directly, would be a characteristic RCRA corrosive waste (D002).

14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name:	Sulfuric acid
Hazard class or division:	8
Identification number:	UN 2796
Packing group:	II
DOT Hazardous Substance(s):	Sulfuric acid

International Air Transportation (ICAO/IATA)

Proper shipping name:	Sulphuric acid
Hazard class or division:	8
Identification number:	UN 2796
Packing group:	II

Water Transportation (IMO/IMDG)

Proper shipping name:	SULPHURIC ACID
Hazard class or division:	8
Identification number:	UN 2796
Packing group:	II

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status:	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12 (b) Export Notification:	None above reporting de minimis
CERCLA/SARA Section 302 EHS:	Sulfuric acid (CAS# 7664-93-9).
CERCLA/SARA Section 311/312:	Immediate Health, Delayed Health, Reactive
CERCLA/SARA Section 313:	This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Sulfuric acid (CAS# 7664-93-9).
CERCLA Reportable quantity:	Sulfuric acid (CAS# 7664-93-9) 1,000 lbs. (454 kg)
California Proposition 65:	This product contains a chemical known in the State of California to cause cancer.

Canada Regulatory Information

CEPA DSL/NDSL Status:	All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

Prepared by: Jennifer Mckay, Regulatory Affairs Specialist

Issue date: 09/09/2014

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The Power Behind Performance

CROWN BATTERY

EFFECTIVE DATE: 6/1/15

SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: LEAD ACID BATTERIES: DEEP CYCLE & INDUSTRIAL
UN NUMBER: 2794
MANUFACTURER: CROWN BATTERY MANUFACTURING COMPANY
ADDRESS: P.O. Box 990, 1445 Majestic Drive, Fremont Ohio, 43420
EMERGENCY PHONE: 800.424.9300 (Domestic) 703.527.3887 (International)
CHEMTREC PHONE: 800.424.9300
OTHER CALLS: 419.334.7181
FAX PHONE: 419.334.7416
COMPANY WEBSITE: www.crownbattery.com

SYNONYMS: Industrial Battery, Traction Battery, Stationary Battery, Deep Cycle Battery
CHEMICAL FORMULA: $PbO2 + Pb + 2H2SO4 = 2PbSO4 + 2H2O$
PRODUCT USE: Batteries, wet, filled with acid
PREPARED BY: Jim Anderson

SECTION 2: GHS HAZARDS IDENTIFICATION

HEALTH		ENVIRONMENTAL	PHYSICAL
Acute Toxicity (Oral/Dermal/Inhalation)	Category 4	Aquatic Chronic 1 Aquatic Acute 1	Explosive Chemical, Division 1.3
Skin Corrosion/Irritation	Category 1A		
Eye Damage	Category 1		
Reproductive	Category 1A		
Carcinogenicity (lead compounds)	Category 1B		
Carcinogenicity (arsenic)	Category 1A		
Carcinogenicity (acid mist)	Category 1A		
Specific Target Organ Toxicity (repeated exposure)	Category 2		

Hazard Statements – DANGER!

Harmful if swallowed, inhaled, or in contact with skin.
Acid causes severe skin burns and eye damage.
May damage fertility or the unborn child if ingested or inhaled.
May cause harm to breast-fed children.
May cause cancer if ingested or inhaled.
Causes skin irritation, serious eye damage.
Contact with internal components may cause irritation or severe burns.
Causes damage to central nervous system, blood and kidneys through prolonged or repeated exposure if ingested or inhaled.
Irritating to eyes, respiratory system, and skin.
May form explosive air/gas mixture during charging.
Extremely flammable gas (hydrogen).
Explosive, fire, blast or projection hazard

Precautionary Statements

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wash thoroughly after handling.
Do not eat drink or smoke when using this product.
Avoid contact during pregnancy/while nursing.
Wear protective gloves/protective clothing, eye protection/face protection.
Use only outdoors or in a well-ventilated area.
Avoid contact with internal acid.
Do not breathe dust/fume/gas/mist/vapors/spray.
Keep away from heat/sparks/open flames/hot surfaces. No smoking
IF SWALLOWED OR CONSUMED: rinse mouth.
Do NOT induce vomiting. Call a poison center/doctor if you feel unwell.
IF ON CLOTHING OR SKIN (or hair): Remove/Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Immediately call a POISON CENTER or doctor/physician.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
If exposed/concerned, or if you feel unwell seek medical attention/advice.
Store locked up, in a well-ventilated area, in accordance with local and national regulation.
Dispose of contents/container in accordance with local and national regulation.
Keep out of reach of children.

SAFETY DATA SHEET *(continued)*

The Power Behind Performance

CROWN BATTERY

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS (CHEMICAL/COMMON NAMES):	CAS NO.:	% BY WT:
Lead and Lead Compounds	7439-92-1	50 to 70
Antimony	7440-36-0	0.1 to .99
Sulfuric Acid	7664-93-9	3 to 5
Inert Components (Separator Material)	N.A.	1 to 2
Water	7732-18-5	23 to 25

SECTION 4: FIRST AID MEASURES

INHALATION:

Sulfuric Acid: Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

Lead: Remove from exposure, gargle, wash nose and lips; consult physician.

INGESTION:

Sulfuric Acid: Give large quantities of water; Do NOT induce vomiting or aspiration into the lungs may occur and can cause permanent injury or death; consult physician.

Lead: Consult physician immediately.

SKIN:

Sulfuric Acid: Flush with large amounts of water for at least 15 minutes; remove contaminated clothing completely, including shoes. If symptoms persist, seek medical attention. Wash contaminated clothing before reuse. Discard contaminated shoes.

Lead: Wash immediately with soap and water.

EYES:

Sulfuric Acid and Lead: Flush immediately with large amounts of water for at least 15 minutes while lifting lids; Seek immediate medical attention if eyes have been exposed directly to acid.

SECTION 5: FIRE-FIGHTING MEASURES

FLASH POINT: Not Applicable

FLAMMABLE LIMITS: LEL = 4.1% (Hydrogen Gas in air); UEL = 74.2%

EXTINGUISHING MEDIA: CO_2; foam; dry chemical. Do not use carbon dioxide directly on cells. Avoid breathing vapors. Use appropriate media for surrounding fire

FIRE FIGHTING PROCEDURES: Use positive pressure, self-contained breathing apparatus. Beware of acid splatter during water application and wear acid-resistant clothing, gloves, face and eye protection. If batteries are on charge, shut off power to the charging equipment, but note that strings of series connected batteries may still pose risk of electric shock even when charging equipment is shut down.

HAZARDOUS COMBUSTION PRODUCTS: Highly flammable hydrogen gas is generated during charging and operation of batteries. If ignited by burning cigarette, naked flame or spark, may cause battery explosion with dispersion of casing fragments and corrosive liquid electrolyte. Carefully follow manufacturer's instructions for installation and service. Keep away all sources of gas ignition and do not allow metallic articles to simultaneously contact the negative and positive terminals of a battery. Follow manufacturer's instructions for installation and service.

SAFETY DATA SHEET *(continued)*

The Power Behind Performance

CROWN BATTERY

SECTION 6: ACCIDENTAL RELEASE MEASURES

Stop flow of material, contain/absorb small spills with dry sand, earth or vermiculite. Do not use combustible materials. If possible, carefully neutralize spilled electrolyte with soda ash, sodium bicarbonate, lime, etc. Wear acid-resistant clothing, boots, gloves, and face shield. Do not allow discharge of un-neutralized acid to sewer. Acid must be managed in accordance with approved local, state, and federal requirements. Consult state environmental agency and/or federal EPA.

SECTION 7: HANDLING AND STORAGE

HANDLING: Unless involved in recycling operations, do not breach the casing or empty the contents of the battery. Handle carefully and avoid tipping, which may allow electrolyte leakage. There may be increasing risk of electric shock from strings of connected batteries. Keep containers tightly closed when not in use. If battery case is broken, avoid contact with internal components. Keep vent caps on and cover terminals to prevent short circuits. Place cardboard between layers of stacked automotive batteries to avoid damage and short circuits. Keep away from combustible materials, organic chemicals, reducing substances, metals, strong oxidizers and water. Use banding or stretch wrap to secure items for shipping.

STORAGE: Store batteries under roof in cool, dry, well-ventilated areas separated from incompatible materials and from activities that may create flames, spark, or heat. Store on smooth, impervious surfaces provided with measures for liquid containment in the event of electrolyte spills. Keep away from metallic objects that could bridge the terminals on a battery and create a dangerous short-circuit.

CHARGING: There is a possible risk of electric shock from charging equipment and from strings of series connected batteries, whether or not being charged. Shut-off power to chargers whenever not in use and before detachment of any circuit connections. Batteries being charged will generate and release flammable hydrogen gas. Charging space should be ventilated. Keep battery vent caps in position. Prohibit smoking and avoid creation of flames and sparks nearby. Wear face and eye protection when near batteries being charged.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS (mg/m³)						
Chemical & Common Name	**OSHA PEL**	**ACGIH**	**US NIOSH**	**Quebec PEV**	**Ontario OEL**	**EU OEL**
Lead and Lead Compounds (inorganic)	0.05	0.05	0.05	0.05	0.05	0.15 (b)
Electrolyte (H_2SO_4/H_2O)	1	0.2	1	1	0.2	0.05 (c)
Antimony	0.5	0.5	0.5	0.5	0.5	0.5 (b,a)

(a) As Inhalable aerosol **(b)** Thoracic fraction

(c) Based on OEL's of Austria, Belgium, Denmark, France, Netherlands, Switzerland, & U.K.

N.E. = Not Established

ENGINEERING CONTROLS (VENTILATION): Store and handle in well-ventilated area. If mechanical ventilation is used, components must be acid-resistant. Handle batteries cautiously, do not tip to avoid spills. Make certain vent caps are on securely. If battery case is damaged, avoid bodily contact with internal components. Wear protective clothing, eye and face protection, when filling, charging or handling batteries. Do not allow metallic materials to simultaneously contact both the positive and negative terminals of the batteries. Charge batteries in areas with adequate ventilation. General dilution ventilation is acceptable.

RESPIRATORY PROTECTION (NIOSH/MSHA APPROVED): None required under normal conditions.
When concentrations of sulfuric acid mist are known to exceed PEL, use NIOSH or MSHA-approved respiratory protection.

SAFETY DATA SHEET *(continued)*

The Power Behind Performance

CROWN BATTERY

SKIN PROTECTION: If battery case is damaged, use rubber or plastic acid-resistant gloves with elbow-length gauntlet, acid-resistant apron, clothing and boots.

EYE PROTECTION: If battery case is damaged, use chemical goggles or face shield.

OTHER PROTECTION: In areas where water and sulfuric acid solutions are handled in concentrations greater than 1%, emergency eyewash stations and showers should be provided, with unlimited water supply. Chemically impervious apron and face shield recommended when adding water or electrolyte to batteries. Wash Hands after handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PROPERTIES LISTED BELOW ARE FOR ELECTROLYTE:			
Boiling Point:	203 – 240° F	**Specific Gravity (H2O = 1):**	1.215 to 1.350
Melting Point:	N/A	**Vapor Pressure (mm Hg):**	10
Solubility in Water:	100%	**Vapor Density (AIR = 1):**	Greater than 1
Evaporation Rate: (Butyl Acetate = 1)	Less than 1	**% Volatile by Weight:**	N/A
pH:	~1 to 2	**Flash Point:**	Below room temperature (as hydrogen gas)
LEL (Lower Explosive Limit)	4.1% (Hydrogen)	**UEL (Upper Explosive Limit)**	74.2% (Hydrogen)
Appearance and Odor:	Manufactured article; no apparent odor. Electrolyte is a clear liquid with a sharp, penetrating, pungent odor.		

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable _X_ Unstable ___

This product is stable under normal conditions at ambient temperature.

CONDITIONS TO AVOID: Prolonged overcharge at high current; sources of ignition.

INCOMPATIBILITIES: (MATERIALS TO AVOID)

Electrolyte: Contact with combustibles and organic materials may cause fire and explosion. Also reacts violently with strong reducing agents, metals, sulfur trioxide gas, strong oxidizers, and water. Contact with metals may produce toxic sulfur dioxide fumes and may release flammable hydrogen gas.

Lead Compounds: Avoid contact with strong acids, bases, halides, halogenates, potassium nitrate, permanganate, peroxides, nascent hydrogen, and reducing agents.

Arsenic Compounds: Strong oxidizers; bromine azide.
NOTE: hydrogen gas can react with inorganic arsenic to form the highly toxic gas – arsine

HAZARDOUS DECOMPOSITION PRODUCTS:

Electrolyte: Sulfur trioxide, carbon monoxide, sulfuric acid mist, sulfur dioxide, hydrogen sulfide.

Lead Compounds: Temperatures above the melting point are likely to produce toxic metal fume, vapor, or dust; contact with strong acid or base or presence of nascent hydrogen may generate highly toxic arsine gas.

HAZARDOUS POLYMERIZATION:

Will not occur.

SAFETY DATA SHEET *(continued)*

The Power Behind Performance

CROWN BATTERY

SECTION 11: TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY:

Sulfuric Acid: Harmful by all routes of entry.

Lead Compounds: Hazardous exposure can occur only when product is heated, oxidized or otherwise processed or damaged to create dust, vapor or fume. The presence of nascent hydrogen may generate highly toxic arsine gas.

INHALATION:

Sulfuric Acid: Breathing of sulfuric acid vapors or mists may cause severe respiratory irritation.

Lead Compounds: Inhalation of lead dust or fumes may cause irritation of upper respiratory tract and lungs.

INGESTION:

Sulfuric Acid: May cause severe irritation of mouth, throat, esophagus and stomach.

Lead Compounds: Acute ingestion may cause abdominal pain, nausea, vomiting, diarrhea and severe cramping. This may lead rapidly to systemic toxicity and must be treated by a physician.

SKIN CONTACT:

Sulfuric Acid: Severe irritation, burns and ulceration.

Lead Compounds: Not absorbed through the skin.

Arsenic compounds: Contact may cause dermatitis and skin hyperpigmentation

EYE CONTACT:

Sulfuric Acid: Severe irritation, burns, cornea damage, and blindness.

Lead Compounds: May cause eye irritation.

EFFECTS OF OVEREXPOSURE – ACUTE:

Sulfuric Acid: Severe skin irritation, damage to cornea, upper respiratory irritation.

Lead Compounds: Symptoms of toxicity include headache, fatigue, abdominal pain, loss of appetite, muscular aches and weakness, sleep disturbances and irritability.

EFFECTS OF OVEREXPOSURE - CHRONIC:

Sulfuric Acid: Possible erosion of tooth enamel, inflammation of nose, throat & bronchial tubes.

Lead Compounds: Anemia; neuropathy, particularly of the motor nerves, with wrist drop; kidney damage; reproductive changes in males and females. Repeated exposure to lead and lead compounds in the workplace may result in nervous system toxicity. Some toxicologists report abnormal conduction velocities in persons with blood lead levels of 50 µg/100 ml or higher. Heavy lead exposure may result in central nervous system damage, encephalopathy and damage to the blood-forming (hematopoietic) tissues.

CARCINOGENICITY:

Sulfuric Acid: The International Agency for Research on Cancer (IARC) has classified "strong inorganic acid mist containing sulfuric acid" as a Group I carcinogen, a substance that is carcinogenic to humans. Per the guidance found in OSHA 29 CFR 1910.1200 Appendix F, this is approximately equivalent to GHS Category 1A. This classification does not apply to liquid forms of sulfuric acid or sulfuric acid solutions contained within a battery. Inorganic acid mist (sulfuric acid mist) is not generated under normal use of this product. Misuse of the product, such as overcharging, may result in the generation of sulfuric acid mist.

Lead Compounds: Lead is listed by IARC as a Group 2A – likely in animals at extreme doses. Per the guidance found in OSHA 29 CFR 1910.1200 Appendix F, this is approximately equivalent to GHS Category 1B. Proof of carcinogenicity in humans is lacking at present.

Arsenic: Arsenic is listed by IARC as a Group 1 - carcinogenic to humans. Per the guidance found in OSHA 29 CFR 1910.1200 Appendix F, this is approximately equivalent to GHS Category 1A.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Overexposure to sulfuric acid mist may cause lung damage and aggravate pulmonary conditions. Contact of sulfuric acid with skin may aggravate diseases such as eczema and contact dermatitis. Lead and its compounds can aggravate some forms of kidney, liver and neurologic diseases.

ACUTE TOXICITY:

Inhalation LD50:

Electrolyte:	LC50 rat: 375 mg/m3; LC50: guinea pig: 510 mg/m3
Elemental Lead:	Acute Toxicity Point Estimate = 4500 ppmV (based on lead bullion)
Elemental arsenic:	No data

Oral LD50:

Electrolyte:	rat: 2140 mg/kg
Elemental lead:	Acute Toxicity Estimate (ATE) = 500 mg/kg body weight (based on lead bullion)
Elemental arsenic:	LD50 mouse: 145 mg/kg
Elemental Antimony:	LD50 rat: 100 mg/kg

ADDITIONAL HEALTH DATA: All heavy metals, including the hazardous ingredients in this product, are taken into the body primarily by inhalation and ingestion. Most inhalation problems can be avoided by adequate precautions such as ventilation and respiratory protection covered in Section 8. Follow good personal hygiene to avoid inhalation and ingestion: wash hands, face, neck and arms thoroughly before eating, smoking or leaving the work site. Keep contaminated clothing out of non-contaminated areas, or wear cover clothing when in such areas. Restrict the use and presence of food, tobacco and cosmetics to non-contaminated areas. Work clothes and work equipment used in contaminated areas must remain in designated areas and never taken home or laundered with personal non-contaminated clothing. This product is intended for industrial use only and should be isolated from children and their environment.

The 19th Amendment to EC Directive 67/548/EEC classified lead compounds, but not lead in metal form, as possibly toxic to reproduction. Risk phrase 61: May cause harm to the unborn child, applies to lead compounds, especially soluble forms.

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE: Lead is very persistent in soil and sediments. No data on environmental degradation. Mobility of metallic lead between ecological compartments is slow. Bioaccumulation of lead occurs in aquatic and terrestrial animals and plants but little bioaccumulation occurs through the food chain. Most studies include lead compounds and not elemental lead.

ENVIRONMENTAL TOXICITY: Aquatic Toxicity:

Sulfuric acid:	24-hr LC50, freshwater fish (Brachydanio rerio): 82 mg/L 96 hr- LOEC, freshwater fish (Cyprinus carpio): 22 mg/L
Lead:	48 hr LC50 (modeled for aquatic invertebrates): <1 mg/L, based on lead bullion
Arsenic:	24 hr LC50, freshwater fish (Carrassius auratus) >5000 g/L

ADDITIONAL INFORMATION:

- No known effects on stratospheric ozone depletion
- Volatile organic compounds: 0% (by Volume)
- Water Endangering Class (WGK): NA

SECTION 13: DISPOSAL CONSIDERATIONS (UNITED STATES)

SPENT BATTERIES: Send to secondary lead smelter for recycling. Spent lead-acid batteries are not regulated as hazardous waste when the requirements of 40 CFR Section 266.80 are met. Spilled sulfuric acid is a characteristic hazardous waste; EPA hazardous waste number D002 (corrosivity) and D008 (lead).

ELECTROLYTE: Place neutralized slurry into sealed acid resistant containers and dispose of as hazardous waste, as applicable. Large water diluted spills, after neutralization and testing, should be managed in accordance with approved local, state, and federal requirements. Consult state environmental agency and/or federal EPA.

Following local, State / Provincial, and Federal / National regulations applicable to end-of-life characteristics will be the responsibility of the end-user.

The Power Behind Performance

CROWN BATTERY

SECTION 14: TRANSPORT INFORMATION

UNITED STATES:

The U.S. Department of Transportation (DOT) hazardous materials regulations (49 CFR) applicable to lead acid batteries are specified in 49 CFR 173.159.

Proper Shipping Name:	Batteries, wet, filled with acid
Hazard Class:	8
ID Number:	UN2794
Packing Group:	N/A
Labels:	Corrosive

49 CFR 173.159(e) specifies that when transported by highway or rail, electric storage batteries containing electrolyte or corrosive battery fluid are not subject to any other requirements of this subchapter, if all of the following are met:

(1) No other hazardous materials may be transported in the same vehicle;

(2) The batteries must be loaded or braced so as to prevent damage and short circuits in transit;

(3) Any other material loaded in the same vehicle must be blocked, braced, or otherwise secured to prevent contact with or damage to the batteries; and

(4) The transport vehicle may not carry material shipped by any person other than the shipper of the batteries.

If any of the above-referenced requirements are not met, the batteries must be shipped as fully-regulated Class 8 Corrosive hazardous materials.

IATA Dangerous Goods Regulations (DGR):

The shipping information is as follows:

Proper Shipping Name:	Batteries, wet, filled with acid
Packing Group:	N/A
Hazardous Class:	8
Label/Placard Required:	Corrosive
UN Identification:	UN2794
Reference:	IATA Packing Instruction 870 (IATA DGR 56th Edition)

IMDG Code:

The shipping information is as follows:

Proper Shipping Name:	Batteries, wet, filled with acid
Packing Group:	N/A
Hazardous Class:	8
Label/Placard Required:	Corrosive
UN Identification:	UN2794
Reference:	IMDG Code Packing Instruction P801

SECTION 15: REGULATORY INFORMATION

UNITED STATES: EPCRA Sections 302, 304, 311 & 312

Industrial lead-acid batteries, such as those used in forklifts, do **NOT** meet the OSHA definition of an "article" (US EPA, Oct. 1998). Therefore, the lead and acid that compose these batteries must be included when determining the various thresholds for these EPCRA section regulations. The acid in lead-acid batteries is **Sulfuric Acid**, which is an Extremely Hazardous Substance (EHS). The following table outlines the applicable EPCRA Sections and their respective thresholds for **Sulfuric Acid**:

EPCRA SECTIONS – SULFURIC ACID	THRESHOLDS
302 - Emergency Planning Notification	TPQ ≥ 1,000 lbs.
304 - Emergency Release Notification	RQ ≥ 1,000 lbs.
311 - MSDS Reporting	*TPQ ≥ 500 lbs.
312 - Chemical Inventory Reporting (i.e. Tier II)	*TPQ ≥ 500 lbs.

**The reporting threshold for Sulfuric Acid is ≥ the designated TPQ or 500 lbs, whichever is less.*

The lead used in lead-acid batteries does not qualify for any OSHA or EPCRA exemptions. Lead is **NOT** an EHS, and the following table outlines the applicable EPCRA Sections and their respective thresholds for **lead**:

EPCRA SECTIONS - LEAD	THRESHOLDS
311 - MSDS Reporting	≥ 10,000 lbs.
312 - Chemical Inventory Reporting (i.e. Tier II)	≥ 10,000 lbs.

SAFETY DATA SHEET *(continued)*

The Power Behind Performance

CROWN BATTERY

EPCRA Section 313

The reporting of lead and sulfuric acid (and their releases) in lead-acid batteries used in cars, trucks, most cranes, forklifts, locomotive engines, and aircraft for the purposes of EPCRA Section 313 is not required. Lead-acid batteries used for these purposes are exempt for Section 313 reporting per the "Motor Vehicle Exemption." See page B-22 of the **U.S. EPA Guidance Document for Lead and Lead Compound Reporting under EPCRA Section 313** for additional information of this exemption.

Supplier Notification: This product contains toxic chemicals that may be reportable under EPCRA Section 313 Toxic Chemical Release Inventory (Form R) requirements. For a manufacturing facility under SIC codes 20 through 39, the following information is provided to enable you to complete the required reports:

TOXIC CHEMICAL	CAS NUMBER	APPROXIMATE % BY WEIGHT
Lead	7439-92-1	?
Sulfuric Acid/Water Solution	7664-93-9	?
Antimony	7440-36-0	?
Arsenic	7440-38-2	?
Tin	7440-31-5	?

TSCA: TSCA Section 8b – Inventory Status: All chemicals comprising this product are either exempt or listed on the TSCA Inventory.

TSCA Section 12b (40 CFR Part 707.60(b)) No notice of export will be required for articles, except PCB articles, unless the Agency so requires in the context of individual section 5, 6, or 7 actions.

TSCA Section 13 (40 CFR Part 707.20): No import certification required (EPA 305-B-99-001, June 1999, Introduction to the Chemical Import Requirements of the Toxic Substances Control Act, Section IV.A)

RCRA: Spent Lead Acid Batteries are subject to streamlined handling requirements when managed in compliance with 40 CFR section 266.80 or 40 CFR part 273. Waste sulfuric acid is a characteristic hazardous waste, EPA hazardous waste number D002 (corrosivity) and D008 (lead).

STATE REGULATIONS (US):

Proposition 65 Warning: Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the state of California to cause cancer and reproductive harm. Wash hands after handling.

INTERNATIONAL REGULATIONS:

Distribution into Quebec to follow Canadian Controlled Product Regulations (CPR) 24(1) and 24(2).

Distribution into the EU to follow applicable Directives to the Use, Import/Export of the product as-sold.

SECTION 16: OTHER INFORMATION

NFPA Hazard Rating for sulfuric acid:

Flammability (Red) = 0

Health (Blue) = 3

Reactivity (Yellow) = 2

Sulfuric acid is water-reactive if concentrated.

PREPARATION INFORMATION:

Prepared by Jim Anderson | Crown Battery | 419.334.7161

The information contained herein is based upon data considered true and accurate. However, Crown Battery makes no warranties, express or implied, as to the accuracy or adequacy of the information contained herein or the results to be obtained from the use thereof. This information is offered solely for the user's consideration, investigation and verification. Since the use and conditions of use of this information and the material described herein are not within the control of Crown Battery, Crown Battery assumes no responsibility for injury to user or to third persons. The material described herein is sold only pursuant to Crown Battery's Terms and Conditions of Sale, including those limiting warranties and remedies contained therein. It is the responsibility of the user to determine whether any of this data and information is in accordance with applicable federal state or local laws and regulations.

Attachment 3: Vulnerability Zone Calculations

Facility Name: Curt Manufacturing Report Year: 2024 City: EAU CLAIRE State: WI
Chemical Name: Bonderite C-IC A-500 (Hydrochloric Acid) CAS Number: 7647-01-0

Screening Name: Worst Case

Screening Description

Amount Released	560.8	pounds
Concentration	100	% by weight
Release Duration	10	minutes
Physical State	(•) Gas ( ) Liquid ( ) Solid	
Surface area within dike		sq ft (enter a value only if stored in a container with a dike)
Atmospheric Concentration Level of Concern	0.015	gm/m^3

Matches the EPA Green Book LOC value for this chemical.

Weather Information

Wind Speed	3.35	mph
Ground Roughness	Open Country	
Stability Class	F	

Risk Assessment

Risk		Probability of described accident occurring
Consequences		Severity of consequences to people
Overall Risk		Combination of probability and severity of consequences

Estimate Threat Zone Radius Threat Zone Radius 3.5 miles Show on Map

Facility Name: Curt Manufacturing Report Year: 2024 City: EAU CLAIRE State: WI
Chemical Name: Bonderite C-IC A-500 (Hydrochloric Acid) CAS Number: 7647-01-0

Scenario Name: Re-evaluation

Scenario Description

Amount Released	560.8	pounds
Concentration	100	% by weight
Release Duration	10	minutes
Physical State	(•) Gas ( ) Liquid ( ) Solid	
Surface area within dike		sq ft (enter a value only if stored in a container with a dike)
Atmospheric Concentration Level of Concern	0.015	gm/m^3

Matches the EPA Green Book LOC value for this chemical.

Weather Information

Wind Speed	11.9	mph
Wind From		degrees clockwise from 0 N (for example 45 means wind from NE)
Ground Roughness	Urban or Forest	
Stability Class	D	

Risk Assessment

Risk		Probability of described accident occurring
Consequences		Severity of consequences to people
Overall Risk		Combination of probability and severity of consequences

Estimate Threat Zone Radius Threat Zone Radius 0.2 miles Show on Map

Facility Name: Curt Manufacturing Report Year: 2024 City: EAU CLAIRE State: WI

Chemical Name: Bonderite M-AD 140 (Hydrogen Peroxide) CAS Number: 7722-84-1

Screening Name: Worst Case

Screening Description

Amount Released	561	pounds
Concentration	100	% by weight
Release Duration	10	minutes
Physical State	○ Gas ◉ Liquid Ambient ▾ ○ Solid	
Surface area within dike		sq ft (enter a value only if stored in a container with a dike)
Atmospheric Concentration Level of Concern	0.01	gm/m^3

Matches the EPA Green Book LOC value for this chemical.

Weather Information

Wind Speed	3.35	mph
Ground Roughness	Open Country ▾	
Stability Class	F ▾ ⓘ	

Risk Assessment ⓘ

Risk	▾	Probability of described accident occurring
Consequences	▾	Severity of consequences to people
Overall Risk	▾	Combination of probability and severity of consequences

Estimate Threat Zone Radius ⓘ Threat Zone Radius < 0.1 miles Show on Map

Facility Name: Curt Manufacturing Report Year: 2024 City: EAU CLAIRE State: WI

Chemical Name: Bonderite M-AD 140 (Hydrogen Peroxide) CAS Number: 7722-84-1

Scenario Name: Re-evaluation

Scenario Description

Amount Released	561	pounds
Concentration	100	% by weight
Release Duration	10	minutes
Physical State	○ Gas ◉ Liquid Ambient ▾ ○ Solid	
Surface area within dike		sq ft (enter a value only if stored in a container with a dike)
Atmospheric Concentration Level of Concern	0.01	gm/m^3

Matches the EPA Green Book LOC value for this chemical.

Weather Information

Wind Speed	11.9	mph
Wind From		degrees clockwise from 0 N (for example 45 means wind from NE)
Ground Roughness	Urban or Forest ▾	
Stability Class	D ▾ ⓘ	

Risk Assessment ⓘ

Risk	▾	Probability of described accident occurring
Consequences	▾	Severity of consequences to people
Overall Risk	▾	Combination of probability and severity of consequences

Estimate Threat Zone Radius ⓘ Threat Zone Radius < 0.1 miles Show on Map

Facility Name: Curt Manufacturing Report Year: 2024 City: EAU CLAIRE State: WI

Chemical Name: BONDERITE M-AD 35 AUTODEPOSITION ADDITIVE KNOWN AS AQUENCE 35 ACTIVATOR (Hydrogen Fluoride) CAS Number: 7664-39-3

Screening Name: Worst Case

Screening Description

Amount Released	561	pounds
Concentration	100	% by weight
Release Duration	10	minutes
Physical State	(•) Gas ( ) Liquid ( ) Solid	
Surface area within dike		sq ft (enter a value only if stored in a container with a dike)
Atmospheric Concentration Level of Concern	0.0016	gm/m^3

Matches the EPA Green Book LOC value for this chemical.

Weather Information

Wind Speed	3.35	mph
Ground Roughness	Open Country	
Stability Class	F	

Risk Assessment

Risk		Probability of described accident occurring
Consequences		Severity of consequences to people
Overall Risk		Combination of probability and severity of consequences

Estimate Threat Zone Radius Threat Zone Radius > 10 miles Show on Map

Facility Name: Curt Manufacturing Report Year: 2024 City: EAU CLAIRE State: WI

Chemical Name: BONDERITE M-AD 35 AUTODEPOSITION ADDITIVE KNOWN AS AQUENCE 35 ACTIVATOR (Hydrogen Fluoride) CAS Number: 7664-39-3

Scenario Name: Re-evaluation

Scenario Description

Amount Released	561	pounds
Concentration	100	% by weight
Release Duration	10	minutes
Physical State	(•) Gas ( ) Liquid ( ) Solid	
Surface area within dike		sq ft (enter a value only if stored in a container with a dike)
Atmospheric Concentration Level of Concern	0.0016	gm/m^3

Matches the EPA Green Book LOC value for this chemical.

Weather Information

Wind Speed	11.9	mph
Wind From		degrees clockwise from 0 N (for example 45 means wind from NE)
Ground Roughness	Urban or Forest	
Stability Class	D	

Risk Assessment

Risk		Probability of described accident occurring
Consequences		Severity of consequences to people
Overall Risk		Combination of probability and severity of consequences

Estimate Threat Zone Radius Threat Zone Radius 0.6 miles Show on Map

Facility Name: Curt Manufacturing Report Year: 2024 City: EAU CLAIRE State: WI

Chemical Name: BONDERITE S-WT 443 WATERE TREATMENT KNOWN AS BASE 443 (Sulfuric Acid) CAS Number: 7664-93-9

Screening Name: Worst Case

Screening Description

Amount Released	3,366	pounds
Concentration	100	% by weight
Release Duration	10	minutes
Physical State	○ Gas ◉ Liquid Ambient ▾ ○ Solid	
Surface area within dike		sq ft (enter a value only if stored in a container with a dike)
Atmospheric Concentration Level of Concern	0.008	gm/m^3

Matches the EPA Green Book LOC value for this chemical.

Weather Information

Wind Speed	3.35	mph
Ground Roughness	Open Country ▾	
Stability Class	F ▾ ⓘ	

Risk Assessment ⓘ

Risk		Probability of described accident occurring
Consequences		Severity of consequences to people
Overall Risk		Combination of probability and severity of consequences

Estimate Threat Zone Radius ⓘ Threat Zone Radius < 0.1 miles Show on Map

Facility Name: Curt Manufacturing Report Year: 2024 City: EAU CLAIRE State: WI

Chemical Name: BONDERITE S-WT 443 WATERE TREATMENT KNOWN AS BASE 443 (Sulfuric Acid) CAS Number: 7664-93-9

Scenario Name: Re-evaluation

Scenario Description

Amount Released	3,366	pounds
Concentration	100	% by weight
Release Duration	10	minutes
Physical State	○ Gas ◉ Liquid Ambient ▾ ○ Solid	
Surface area within dike		sq ft (enter a value only if stored in a container with a dike)
Atmospheric Concentration Level of Concern	0.008	gm/m^3

Matches the EPA Green Book LOC value for this chemical.

Weather Information

Wind Speed	11.9	mph
Wind From		degrees clockwise from 0 N (for example 45 means wind from NE)
Ground Roughness	Urban or Forest ▾	
Stability Class	D ▾ ⓘ	

Risk Assessment ⓘ

Risk		Probability of described accident occurring
Consequences		Severity of consequences to people
Overall Risk		Combination of probability and severity of consequences

Estimate Threat Zone Radius ⓘ Threat Zone Radius < 0.1 miles Show on Map

Attachment 4: Transportation Routes