AGENDA

Eau Claire County

• LOCAL EMERGENCY PLANNING COMMITTEE •

Date: Thursday, May 13, 2021

Time: 4:00 p.m.

In-Person OR Remote Access

In-Person (COVID-19 safety protocols will be in place)

Washington Town Hall

5750 Old Town Hall Road

Eau Claire, Wisconsin 54701

Remote Access

*Event link below can be used to connect to meeting and interact (by the chair) from computer or through the WebEx Meeting smartphone app.

Join WebEx Meeting: https://eauclairecounty.webex.com Meeting ID: **145 435 7828** Password: **zpFXJtKD474**

*Meeting audio can be listened to using this Audio conference dial in information.

Audio conference: 1-415-655-0001 Access Code: **1454357828##**

For those wishing to make public comment, you must e-mail Sam Simmons at Samuel.Simmons@co.eau-claire.wi.us at least 30 minutes prior to the start of the meeting. You will be called on during the public comment period to make your comments.

**Please mute personal devices upon entry*

1. Call to Order and confirmation of meeting notice
2. Public Comment **(15 minute maximum)**
3. Review – Approval of the February 11, 2021 Minutes / Discussion – Action PAGES 2 - 4
4. Review/Approval of Off-Site Response Plans / Discussion – Action
    a. AT&T PK0116 – Tabled from 02/11/2021 PAGES 5 - 25
    b. AT&T PK0106 – Tabled from 02/11/2021 PAGES 26 - 48
    c. Cleghorn Micro-PK9608 PAGES 49 - 50
    d. Great Lakes Coca-Cola PAGES 51 - 72
    e. Hutchinson Technology, Inc. PAGES 73 - 132
5. Emergency Management Overview and Updates / Discussion
6. Local Hazardous Materials Spill Response Team Report / Discussion
7. LEPC Appointments/Reappointments / Discussion
8. Proposed Business items for Next Meeting / Discussion
9. Adjourn

Prepared by: Samuel Simmons, Program Assistant, Eau Claire County Emergency Management

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 •

Date: Thursday, February 11, 2021

Time: 4:00 p.m.

*via remote access **ONLY.**

*Event link below can be used to connect to meeting and interact (by the chair) from computer or through the WebEx Meeting smartphone app.

Join WebEx Meeting: https://eauclairecounty.webex.com Meeting ID: **145 195 0586** Password: **JcmmCtGZ343**

*Meeting audio can be listened to using this Audio conference dial in information.

Audio conference: 1-415-655-0001 Access Code: **1451950586##**

For those wishing to make public comment, you must e-mail Sam Simmons at Samuel.Simmons@co.eau-claire.wi.us at least 30 minutes prior to the start of the meeting. You will be called on during the public comment period to make your comments.

**Please mute personal devices upon entry*

Members Present: Robin Leary, Ray Henning, Benjamin Frederick, Darrell Christy, Jason Knecht, Jack Running, Steve Vargo, Robert King, Frank Neibauer, Diane Hunter, Thomas Lochner, James Hager

Members Absent: Don Henning, Jamie Burkhardt, Marisa Stanley

Staff Present: Tyler Esh, Sam Simmons

1. Call to Order and confirmation of meeting notice

   Chair Darrell Christy called the meeting to order at 4:00 p.m. and confirmed the meeting was properly noticed. Clerk Sam Simmons took roll call and confirmed a quorum was present.

2. Public Comment **(15 minute maximum)**

   None.

3. Review – Approval of the September 17, 2020 Minutes / Discussion – Action

   The Committee reviewed the September 17, 2020 meeting minutes. **ACTION:** Motion by Robin Leary to approve the September 17, 2020 meeting minutes. Jack Running seconded. Motion carried by unanimous consent.

4. Review/Approval of Off-Site Response Plans / Discussion – Action

   a. AT&T PK0116

      Frank Neibauer noted several mix-ups between the AT&T PK0116 and AT&T PK0106 plans. After reviewing the plans, the Committee determined the best option would be to table the two plans until corrections are made. **ACTION:** Motion by Frank Neibauer to table the AT&T PK0116 and AT&T PK0106 Off-Site Response Plans until corrections are made. Jack Running made a second. Motion carried by unanimous consent.

b. AT&T PK0106

Discussion and action on the AT&T PK0106 Off-Site Response Plan was tabled in the previous motion.

c. AT&T South Barstow (P10602)

The Committee reviewed the AT&T South Barstow (P10602) Off-Site Response Plan. **ACTION:** Motion by Ray Henning to approve the AT&T South Barstow (P10602) Off-Site Response Plan. Jason Knecht made a second. Motion carried by unanimous consent.

5. Hazardous Materials Strategic Plan / Discussion – Action

Tyler Esh, Emergency Management Coordinator, reviewed the 2021 Hazardous Materials Strategic Plan. Robin Leary asked if there were any major changes. Mr. Esh explained that there were minor date changes, but nothing significant. **ACTION:** Motion by Frank Neibauer to approve the Hazardous Materials Strategic Plan. Tom Lochner made a second. Motion carried by unanimous consent.

6. Review/Approval of Bylaws / Discussion – Action

The Committee reviewed the Bylaws. Chair Christy asked if the bylaws have been changed recently. Mr. Esh and Mr. Simmons indicated that the bylaws have not been changed in several years. **ACTION:** Motion by Robin Leary to approve the Hazardous Materials Strategic Plan. Tom Lochner made a second. Motion carried by unanimous consent.

7. LEPC Compliance Inspector Designation / Discussion – Action

Mr. Esh explained that normally Eau Claire County designates Wisconsin Emergency Management as the compliance inspector for all LEPC and EPCRA matters and recommends that to continue. **ACTION:** Motion by Jack Running to designate Wisconsin Emergency Management as the LEPC Compliance Inspector. Ray Henning made a second. Motion carried by unanimous consent.

8. Agency Updates / Discussion

Mr. Esh outlined the agency updates for Eau Claire County Emergency Management. The major updates are changes to the Emergency Management on-call duty officer from February into March, The National Weather Service has issued the first 2021 flood outlook and the risk appears to be low. Mr. Esh presented at the “State of the County” event and there are plans to update the County Emergency Operations Center within the next year.

9. Local Hazardous Materials Spill Response Team Report / Discussion

   Steve Vargo from the City of Eau Claire Fire Department reported 64 total reports since September. 13 of which were gas leaks, four hazmat incidents, and three combustible spills. These numbers are about average for the year.

10. LEPC Appointments/Reappointments / Discussion

    Mr. Esh acknowledged the appointment of Diane Hunter to the LEPC and noted that several current LEPC members will be up for reappointment in April 2021. There is currently one vacancy, the media representative, on the Committee.

11. Proposed Business items for Next Meeting / Discussion

    Ray Henning mentioned that the LEPC Report to the County Board is due on March 5th. Robin Leary mentioned she would like to have discussion on how the County and local response agencies plan for "unique" events. She also wanted to know how training works throughout the County. It was determined that a discussion item on emergency planning will be added to the agenda for the next Committee meeting.

12. Adjourn

    ACTION: Motion by Ray Henning to adjourn the meeting. Frank Neibauer made a second. Meeting adjourned at 4:29 p.m. by unanimous consent.

    Respectfully Submitted,

    Samuel Simmons
    Clerk, Local Emergency Planning Committee

EPCRA HAZARDOUS MATERIALS FACILITY OFF-SITE PLAN

TRANSMITTAL FORM AND REVIEW GUIDE

COUNTY: Eau Claire

NEW ☐ UPDATE ☑ FINAL UPDATE ☐

Facility ID No. : 933

Facility Name: AT&T PK0116

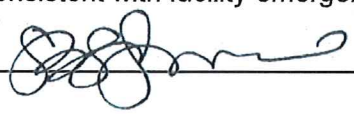
Facility Address: 310 North Dewey Street, Eau Claire, Wisconsin 54703

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.

Jeremy McGrue  12/8/2020

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

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 ☐

EPCRA HAZARDOUS MATERIALS FACILITY OFF-SITE PLAN
TRANSMITTAL FORM AND REVIEW GUIDE

COUNTY: Eau Claire
NEW ☐ UPDATE ☑ FINAL UPDATE ☐
Facility ID No. : 933
Facility Name: AT&T PK0116
Facility Address: 310 North Dewey Street, Eau Claire, Wisconsin 54703

FACILITY OFF-SITE PLAN REVIEW GUIDE

EPCRA Facility Off-Site Plan Elements		Page Number Reference
1)	The facility identification with address.	4
2)	Facility Coordinator / Alternate Coordinator	4
3)	Extremely Hazardous Substances (EHS) chemicals Identified with CAS numbers and maximum amount	4
4)	Primary emergency responders identified	6
5)	Support and resources available from facility	5
6)	General Information / Assumptions (Disclaimer)	6 - 7
7)	Hazard analysis summary	4
8)	Special facilities affected	7
9)	Population protection	7
10)	Special considerations	7
11)	Site Plan / Facility Layout	Appendix 1 (9)

EPCRA HAZARDOUS MATERIALS FACILITY OFF-SITE PLAN

TRANSMITTAL FORM AND REVIEW GUIDE

COUNTY: Eau Claire

NEW ☐ UPDATE ☑ FINAL UPDATE ☐

Facility ID No. : 933

Facility Name: AT&T PK0116

Facility Address: 310 North Dewey Street, Eau Claire, Wisconsin 54703

12) Distribution list:

Facility

Fire Department of jurisdiction

Wisconsin Emergency Management- Region Office

Designated Hazmat team

County Emergency Management Office

Adjacent County Emergency Management Office when impacted by vulnerability zone

13) Required Attachments

A. Vulnerability Zone map highlighting special facilities: 8

B. Safety Data Sheet (SDS) for each EHS: Appendix 2 (10 - 16)

C. Vulnerability Zone Calculations: Appendix 3 (17 - 18)

D. Transportation route(s) map:

AT&T PK0116
Facility Off-Site
Emergency Response Plan

Facility #933
AT&T PK0116
310 North Dewey Street
Eau Claire, Wisconsin 54703

Eau Claire County Emergency Management
721 Oxford Avenue, Suite 3344
Eau Claire, Wisconsin 54703

TABLE OF CONTENTS

RECORD OF CHANGES

Change	Date Changed	Change Made By
Created	7/21/16	JA
Section 1.G. updated	November 3, 2016	JA
Revised	October 2018	JA
Updated	December 8, 2020	SS
Updated with corrections	March 19, 2021	SS

SECTION 1: FACILITY INFORMATION

A. Address

AT&T PK0116
310 North Dewey Street
Eau Claire, Wisconsin 54703

B. Facility ID

933

C. Map

D. Emergency Contacts

<u>Primary:</u>
Jeremy McGrue
Phone: 214-464-1712
24 Hour: 800-566-9347
jeremy.mcgrue@att.com

<u>Secondary:</u>
Darren Merhalski
Phone: 262-225-6965
24 Hour: 920-939-1175
dm488q@att.com

E. Extremely Hazardous Substances

Sulfuric Acid Chemical ID: 391971 CAS: 7664939 **ERG: Guide 137**	**Inventory:** Max Daily Amount (lbs): 4468 Ave. Daily Amount (lbs): 4468 Number of days on site: 365	**Storage:** Container: Battery Location: Equipment room

F. Hazardous Substances

Diesel Fuel #2 Low Sulfur Chemical ID: 391970 CAS: 68476346 **ERG: Guide 128**	**Inventory:** Max Daily Amount (lbs): 12584 Ave. Daily Amount (lbs): 12584 Number of days on site: 365	**Storage:** Container: Portable tank, Above ground tank Location: Generator, Inside
Lead Chemical ID: 391969 CAS: 7439921 **ERG: Guide 151**	**Inventory:** Max Daily Amount (lbs): 43627 Ave. Daily Amount (lbs): 43627 Number of days on site: 365	**Storage:** Container: Battery Location: Equipment room

G. Resources/Support Available

The facility is monitored by two off site alarm systems, and spill kits are located inside.

H. Hazard Analysis

The AT&T facility provides backup power during power failures. The facility will operate for 5 to 8 hours on battery without a generator. With generator power the facility can maintain service for an extended time as long as fuel is available. The facility is located in downtown Eau Claire, in the vicinity of several businesses. A maximum of one employee works in the building. SULFURIC ACID, present in batteries, is the major chemical hazard present.

The worst case scenario was based on the total amount of sulfuric acid present at facility (4,468 lb). Criteria are:
Very stable air (Class F)
Night time
Rural Area
3.4 mph wind
IDLH (Immediately Dangerous to Life and Health) concentration
Rapid release of maximum quantity of chemical in a single vessel (10 min)

The evacuation radius, as calculated by the CAMEO software package for a 4,468 lb. Sulfuric acid release, was determined to be less than 0.1 mile. The Vulnerability Zone primarily affects the one employee on site. There are approximately 115 people residing within 0.1 mile of the facility.

Using more realistic criteria for the same amount of sulfuric acid (4,468 lb) or altering the quantity of sulfuric acid in the CAMEO model does not alter the evacuation radius.

I. Access to Facility

The access point for this facility is located on North Dewey Street.

SECTION 2: OUTSIDE RESOURCES

A. Primary Response Agencies

Fire:	**EMS:**	**Law:**	**Emergency Management:**
Eau Claire Fire Department 216 South Dewey Street Eau Claire, WI 54701 Phone: 715-839-5012	Eau Claire Fire Department 216 South Dewey Street Eau Claire, WI 54701 Phone: 715-839-5012	City of Eau Claire Police Department 721 Oxford Avenue Eau Claire, WI 54703 Phone: 715-839-4972	Eau Claire County Emergency Management 721 Oxford Avenue Suite 3344 Eau Claire, WI 54703 Phone: 715-839-4736

B. Hazardous Materials Response Teams

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 Type 1 Regional Hazardous Materials Response Team, requests shall be made through the WEM Duty officer by the county Emergency Management Coordinator.

C. Other Outside Assistance

See the County-Wide Hazardous Materials Strategic Plan for a listing of resources.

SECTION 3: POPULATION/ENVIRONMENTAL PROTECTION

A. Shelter-In-Place

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 indicated 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. All public schools listed are eligible evacuation shelters.

C. Nearby Shelters

N/A

SECTION 4: VULNERABILITY ZONES

A. 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 – Annex K: Fire and Rescue, as they may relate to this facility when making decisions at an incident involving fire.

Further, fire departments that would respond to an incident at this facility are strongly encouraged to meet with facility representatives to determine ways to minimize an event at the facility and to determine what additional information and factors should be taken into consideration in the event of a fire, should one occur.

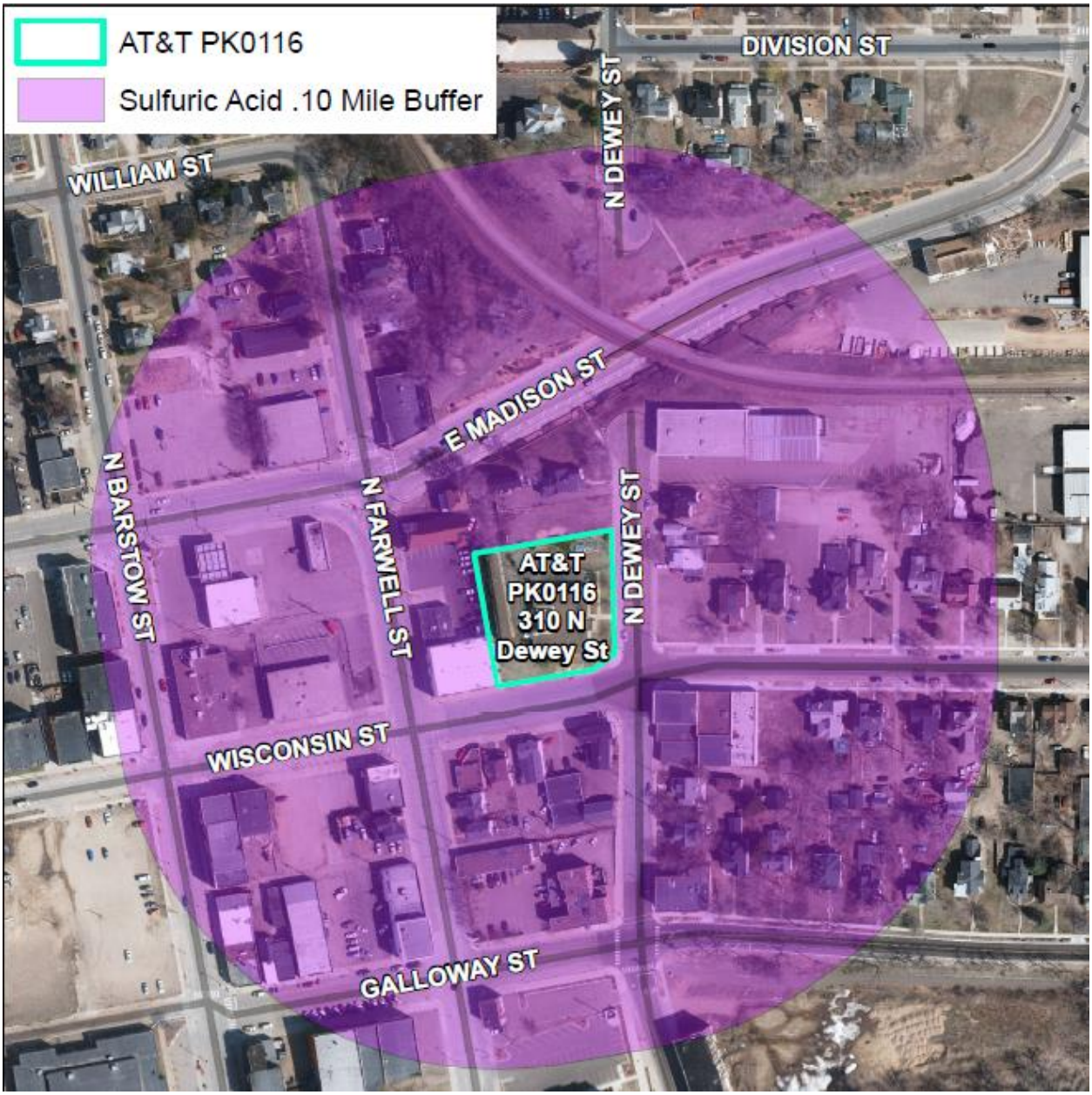
The field incident commander shall determine the actual response to an incident and the affected area may vary from the planning vulnerability zone identified in this Plan. Depending on wind speed and direction, the amount of material released and other pertinent factors, the ACTUAL vulnerability zone may be smaller, and in some instances larger, than the credible worst-case vulnerability zone identified herein. The vulnerability zones determined in the Plan are for general PLANNING PURPOSES.

B. Special Facilities Affected

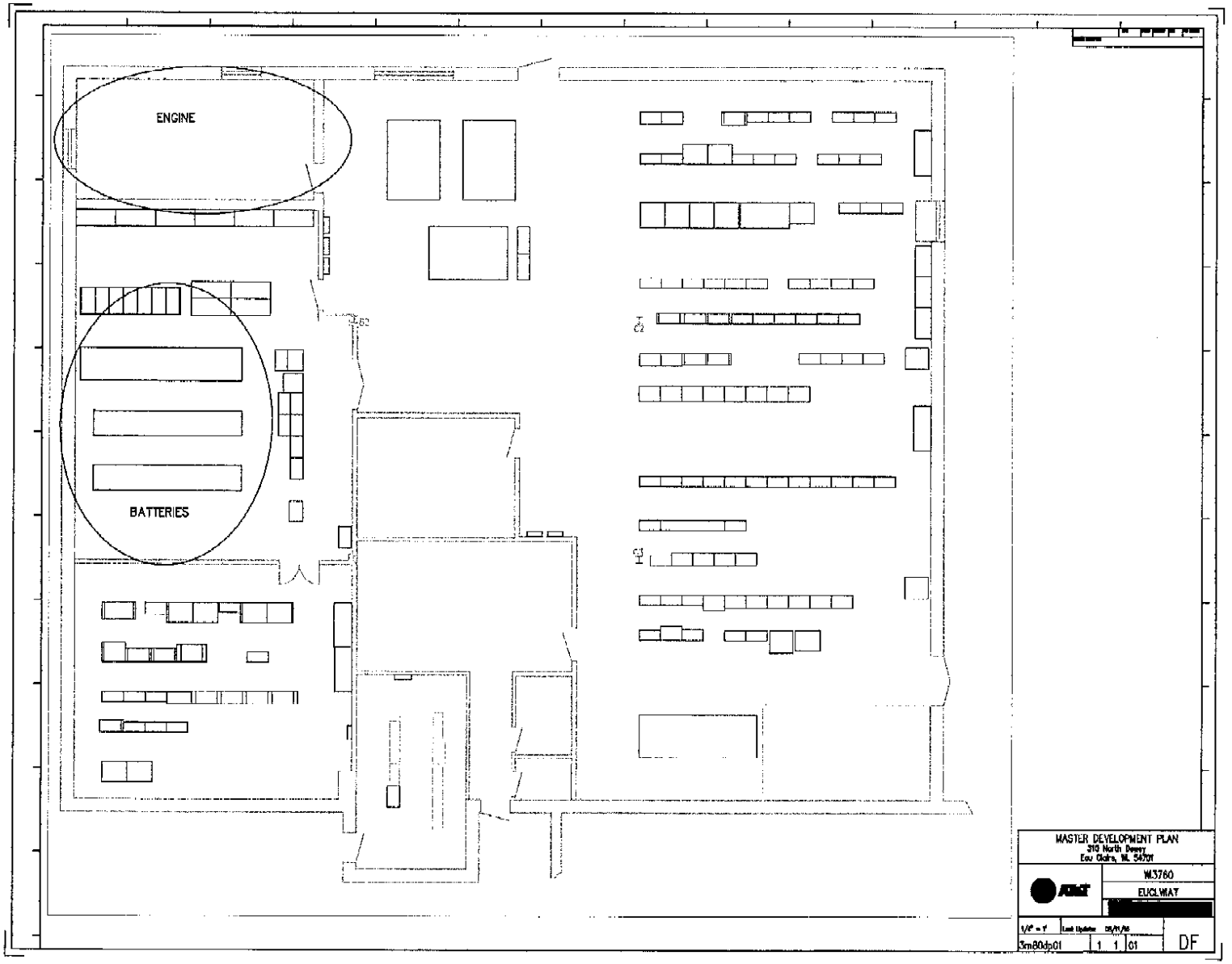
The Oxbow, 516 Galloway Street, Eau Claire

C. Vulnerability Zone Map

See map


AT&T PK0116
Sulfuric Acid .10 Mile Buffer
DIVISION ST
N DEWEY ST
WILLIAM ST
E MADISON ST
N BARSTOW ST
N FARWELL ST
N DEWEY ST
AT&T
PK0116
310 N
Dewey St
WISCONSIN ST
GALLOWAY ST

APPENDIX 1: SITE PLAN / FACILITY LAYOUT



APPENDIX 2: EXTREMELY HAZARDOUS SUBSTANCES SDS

SAFETY DATA SHEET

Form #: SDS 853020
Revised: 05/14/15
Supersedes: NEW
ECO #: 1001584

I. PRODUCT IDENTIFICATION

Chemical Trade Name (as used on label):
Lead-Acid Battery, Wet

Synonyms:
Industrial Battery, Traction Battery, Stationary Battery, Deep Cycle Battery

Manufacturer's Name/Address:
EnerSys
P.O. Box 14145
2366 Bernville Road
Reading, PA 19612-4145

Chemical Family/Classification:
Electric Storage Battery

Telephone:
For information and emergencies, contact EnerSys' Environmental, Health & Safety Dept. at 610-208-1996

24-Hour Emergency Response Contact:
CHEMTREC DOMESTIC: 800-424-9300 CHEMTREC INT'L: 703-527-3877

II GHS HAZRDS IDENTFICATION

HEALTH		ENVIRONMENTAL	PHYSICAL
Acute Toxicity (Oral/Dermal/Inhalation)	Category 4	Aquatic Chronic 1	Explosive Chemical, Division 1.3
Skin Corrosion/Irritation	Category 1A	Aquatic Acute 1	
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		

GHS LABEL:

HEALTH	ENVIRONMENTAL	PHYSICAL
		

Hazard Statements

DANGER!

Causes severe skin burns and eye damage.
Causes serious eye damage.
May damage fertility or the unborn child if ingested or inhaled.
May cause cancer if ingested or inhaled.
Causes damage to central nervous system, blood and kidneys through prolonged or repeated exposure.
May form explosive air/gas mixture during charging.
Extremely flammable gas (hydrogen).
Explosive, fire, blast, or projection hazard.

Precautionary Statements

Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing, eye protection/face protection.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
Causes skin irritation, serious eye damage.
Contact with internal components may cause irritation or severe burns. Avoid contact with internal acid.
Irritating to eyes, respiratory system, and skin.

III. HAZARDOUS INGREDIENTS/IDENTIFY INFORMATION

Components	CAS Number	Approximate % by Wt.
Inorganic Lead Compound:		
Lead	7439-92-1	60-70
* Antimony	7440-36-0	2
* Arsenic	7440-38-2	0.2
* Calcium	7440-70-2	0.04
* Tin	7440-31-5	0.2
Electrolyte (Sulfuric Acid (H2SO4/H2O))	7664-93-9	10-30
Case Material:		5-10
Polypropylene	9003-07-0	
Polystyrene	9003-53-6	
Styrene Acrylonitrile	9003-54-7	
Acrylonitrile Butadiene Styrene	9003-56-9	
Styrene Butadiene	9003-55-8	
Polyvinylchloride	9002-86-2	
Polycarbonate, Hard Rubber, Polyethylene	9002-88-4	

Other:			
Silicon Dioxide (Gel batteries only)	7631-86-9	1-5	
Sheet Molding Compound (Glass reinforced polyester)	--		

Inorganic lead and electrolyte (sulfuric acid) are the primary components of every battery manufactured by EnerSys.
Other ingredients may be present dependent upon battery type. Contact your EnerSys representative for additional information.

IV. FIRST AID MEASURES

Inhalation:

Sulfuric Acid: Remove to fresh air immediately. 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 a 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 a least 15 minutes while lifting lids. Seek immediate medical attention if eyes have been exposed directly to acid.

V. FIRE FIGHTING MEASURES

Flash Point: N/A **Flammable Limits:** LEL = 4.1% (Hydrogen Gas) UEL = 74.2%

Extinguishing Media: CO2; foam; dry chemical. Do not use carbon dioxide directly on cells. Avoid breathing vapors. Use appropriate media for surrounding fire.

Special Fire Fighting Procedures:

If batteries are on charge, shut off power. Use positive pressure, self-contained breathing apparatus. Water applied to electrolyte generates heat and causes it to spatter. Wear acid-resistant clothing, gloves, face and eye protection.
But note that strings of series connected batteries may still pose risk of electric shock even when charging equipment is shut down.

Unusual Fire and Explosion Hazards:

Highly flammable hydrogen gas is generated during charging and operation of batteries. To avoid risk of fire or explosion, keep sparks or other sources of ignition away from batteries. Do not allow metallic materials to simultaneously contact negative and positive terminals of cells and batteries. Follow manufacturer's instructions for installation and service.

VI. PRECAUTIONS FOR SAFE HANDLING AND USE

Spill or Leak Procedures:

Stop flow of material, contain/absorb small spills with dry sand, earth, and 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 unneutralized acid to sewer. Acid must be managed in accordance with local, state, and federal requirements. Consult state environmental agency and/or federal EPA.

VII. 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 in cool, dry, well-ventilated areas with impervious surfaces and adequate containment in the event of spills. Batteries should also be stored under roof for protection against adverse weather conditions. Separate from incompatible materials. Store and handle only in areas with adequate water supply and spill control. Avoid damage to containers. Keep away from fire, sparks and heat. Keep away from metallic objects 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.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits (mg/m3) Note: N.E.= Not Established

INGREDIENTS (Chemical/Common Names)	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)
Antimony	0.5	0.5	0.5	0.5	0.5	0.5 (b,e)
Arsenic	0.01	0.01	0.002	0.2	0.01	N.E
Calcium	N.E	N.E	N.E	N.E	N.E	N.E
Tin	2	2	2	2	2	N.E
Electrolyte (Sulfuric Acid)	1	0.2	1	1	0.2	0.05 (c)
Polypropylene	N.E	N.E	N.E	N.E	N.E	N.E
Polystyrene	N.E	N.E	N.E	N.E	N.E	N.E
Styrene Acrylonitrile	N.E	N.E	N.E	N.E	N.E	N.E
Acrylonitrile Butadiene Styrene	N.E	N.E	N.E	N.E	N.E	N.E
Styrene Butadiene	N.E	N.E	N.E	N.E	N.E	N.E
Polyvinylchloride	N.E	N.E	N.E	N.E	1	N.E
Polycarbonate, Hard Rubber, Polyethylene	N.E	N.E	N.E	N.E	N.E	N.E
Silicon Dioxide (Gel Batteries Only)	N.E	N.E	N.E	N.E	N.E	N.E
Sheet Molding Compound (Glass reinforced polyester)	N.E	N.E	N.E	N.E	N.E	N.E

NOTES:

(b) As inhalable aerosol
(c) Thoracic fraction
(e) Based on OEL;s Of Austria, Belgium, Denmark, France, Netherlands, Switzerland, & U.K.

Engineering Controls (Ventilation):

Store and handle in well-ventilated area. If mechanical ventilation is used, components must be acid-resistant. Handle batteries cautiously to avoid spills. Make certain vent caps are on securely. Avoid 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 the 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 the PEL, use NIOSH or MSHA-approved respiratory protection.

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 sulfuric acid is handled in concentrations greater then 1%, emergency eyewash stations and showers should be provided, with unlimited water supply. Acid-resistant apron. Under severe exposure emergency conditions, wear acid-resistant clothing and boots. Face shield recommended when adding water or electrolyte to batteries, wash hands after handling.

IX. 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.		

X. REACTIVITY DATA

Stability: Stable X Unstable ___

This product is stable under normal conditions at ambient temperature.

Conditions To Avoid: Prolonged overcharge; sources of ignition

Incompatibility: (Materials to avoid)

Sulfuric Acid: 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:

Sulfuric Acid: Sulfur trioxide, carbon monoxide, sulfuric acid mist, sulfur dioxide, and hydrogen sulfide.

Lead Compounds: High temperatures 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

XI. 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 hyper pigmentation.

Eye Contact:

Sulfuric Acid: Severe irritation , burns, cornea damage, and blindness.

Lead Components: 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 and 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 50mcg/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 1 carcinogen, a substance that is carcinogenic to humans. 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 as a Group 2A carcinogen, 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 worksite. 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.

XII. 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 (Carrassisus auratus) >5000 g/L.

Additional Information:

· No known effects on stratospheric ozone depletion.
· Volatile organic compounds: 0% (by Volume)
· Water Endangering Class (WGK): NA

XIII. 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. This should be managed in accordance with approved local, state and federal requirements. Consult state environmental agency and/or federal EPA.

Electrolyte:
Place neutralized slurry into sealed containers and handle as applicable with state and federal regulations. 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.

XIV. TRANSPORT INFORMATION

U.S. DOT:

The transportation of wet and moist charged (moist active) batteries within the continental United States is regulated by the U.S. DOT through the Code of Federal Regulations, Title 49 (49CFR). These regulations classify these types of batteries as a hazardous material. Refer to 49 CFR, 173.159 for more details pertaining to the transportation of wet and moist batteries.

The shipping information is as follows:

Proper Shipping Name: Batteries, wet, filled with acid
Hazardous Class: 8
UN Identification: UN2794
Packing Group: III
Label/Placard Required: Corrosive

Contact your EnerSys representative for additional information regarding the classification of batteries.

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 international transportation of wet and moist charged (moist active) batteries is regulated by the International Air Transport Association (IATA). These regulations also classify these types of batteries as a hazardous material. The batteries must be packed according to IATA Packing Instruction 870.

The shipping information is as follows:

Proper Shipping Name: Batteries, wet, filled with acid
Hazardous Class: 8
UN Identification: UN2794
Packing Group: N/A
Label/Placard Required: Corrosive

Contact your EnerSys representative for additional information regarding the classification of batteries.

IMDG:

The international transportation of wet and moist charged (moist active) batteries is regulated by the International Maritime Dangerous Goods code (IMDG). These regulations also classify these types of batteries as hazardous material. The batteries must be packed according to IMDG code pages 8120 and 8121. IMDG Code Packing Instruction P801.

The shipping information is as follows:

Proper Shipping Name: Batteries, wet, filled with acid
Hazardous Class: 8
UN Identification: UN2794
Packing Group: N/A
Label/Placard Required: Corrosive

Contact your EnerSys representative for additional information regarding the classification of batteries.

XV. REGULATORY INFORMATION

UNITED STATES:

EPA SARA Title III:

Section 302 EPCRA Extremely Hazardous Substances (EHS):

Sulfuric acid is a listed "Extremely Hazardous Substance" under EPCRA, with a Threshold Planning Quantity (TPQ) of 1,000 lbs. EPCRA Section 302 notification is required if 1000 lbs or more of sulfuric acid is present at one site (40 CFR 370.10). For more information consult 40 CFR Part 355. The quantity of sulfuric acid will vary by battery type. Contact your EnerSys representative for additional information.

Section 304 CERCLA Hazardous Substances:

Reportable Quantity (RQ) for spilled 100% sulfuric acid under CERCLA (Superfund) and EPCRA (Emergency Planning and Community Right to Know Act) is 1,000 lbs. State and local reportable quantities for spilled sulfuric acid may vary.

Section 311/312 Hazard Categorization:

EPCRA Section 312 Tier Two reporting is required for non-automotive batteries if sulfuric acid is present in quantities of 500 lbs or more and/or if lead is present in quantities of 10,000 lbs or more. For more information consult 40 CFR 370.10 and 40 CFR 370.40

Section 313 EPCRA Toxic Substances:

40 CFR section 372.38 (b) states: If a toxic chemical is present in an article at a covered facility, a person is not required to consider the quantity of the toxic chemical present in such article when determining whether an applicable threshold has been met under § 372.25, § 372.27, or § 372.28 or determining the amount of release to be reported under § 372.30. This exemption applies whether the person received the article from another person or the person produced the article. However, this exemption applies only to the quantity of the toxic chemical present in the article.

Supplier Notification:

This product contains toxic chemicals, which may be reportable under EPCRA Section 313 Toxic Chemical Release Inventory (Form R) requirements.
If you are 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 Wt.
Lead	7439-92-1	60
Electrolyte (Sulfuric Acid (H2SO4/H2O))	7664-93-9	10 - 30
* Antimony	7440-36-0	2
* Arsenic	7440-38-2	0.2
Tin	7440-31-5	0.2

See 40 CRG Part 370 for more details.

If you distribute this product to other manufacturers in SIC Codes 20 through 39, this information must be provided with the first shipment of each calendar year.

The Section 313 supplier notification requirement does not apply to batteries, which are "consumer products".

* Not present in all battery types. Contact your EnerSys representative for additional information.

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).

CAA:

EnerSys supports preventative actions concerning ozone depletion in the atmosphere due to emissions of CFC's and other ozone depleting chemicals (ODC's), defined by the USEPA as Class I substances. Pursuant to Section 611of the Clean Air Act Amendments (CAAA) of 1990, finalized on January 19, 1993, EnerSys established a policy to eliminate the use of Class I ODC's prior to the May 15, 1993 deadline.

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. Batteries also contain other chemicals known to the State of California to cause cancer. 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.

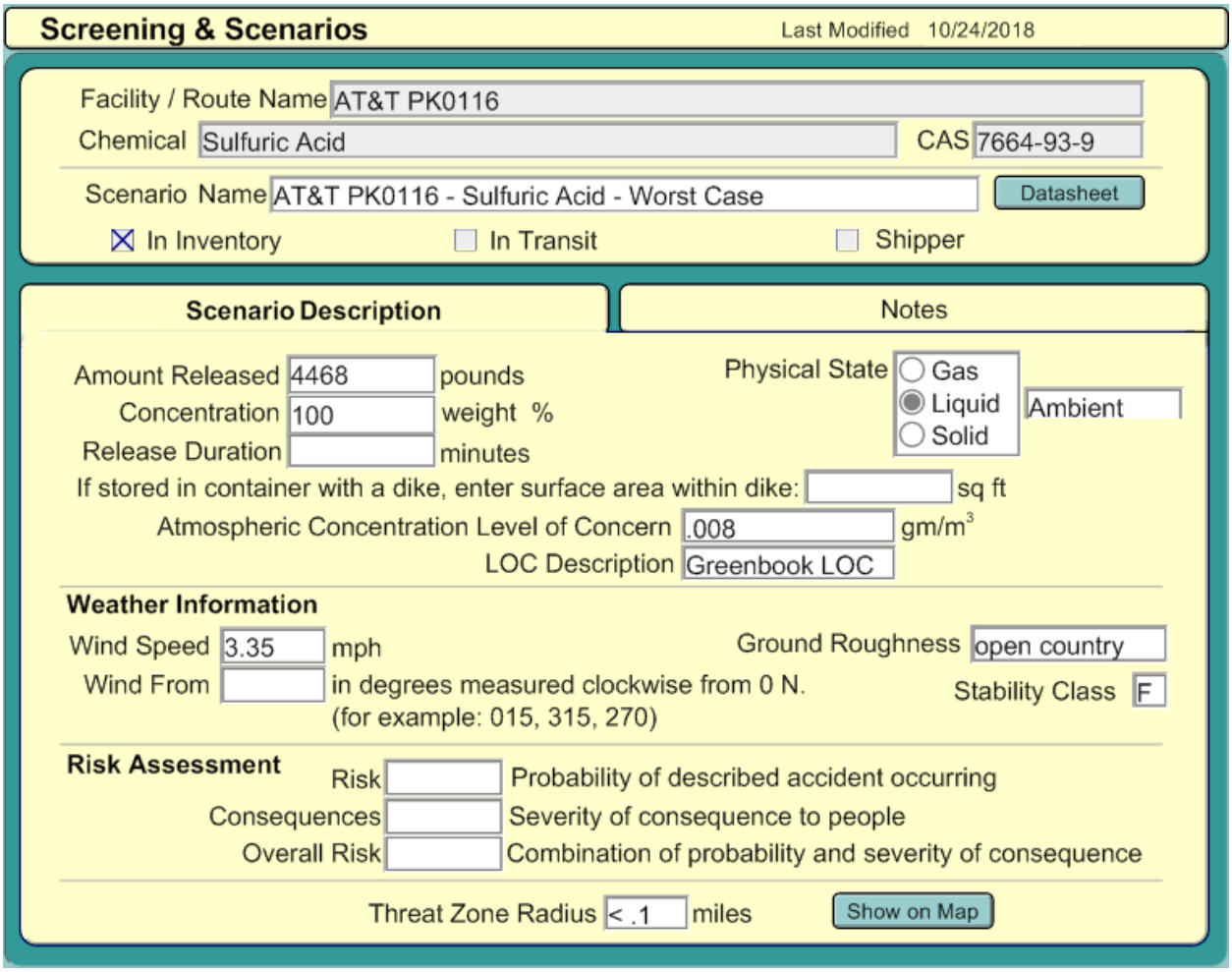
XVI. OTHER INFORMATION

Revised: 05/14/2015

NFPA Hazard Rating for Sulfuric Acid:

Flammability (Red) = 0
Health (Blue) = 3
Reactivity (Yellow) = 2
Sulfuric acid is water-reactive if concentrated.

APPENDIX 3: CAMEO CALCULATIONS



Screening & Scenarios Last Modified 10/24/2018

Facility / Route Name: AT&T PK0116

Chemical: Sulfuric Acid CAS: 7664-93-9

Scenario Name: AT&T PK0116 - Sulfuric Acid - Worst Case [Datasheet]

☒ In Inventory ☐ In Transit ☐ Shipper

Scenario Description | Notes

Amount Released: 4468 pounds

Concentration: 100 weight %

Release Duration: minutes

Physical State: ○ Gas ◉ Liquid ○ Solid — Ambient

If stored in container with a dike, enter surface area within dike: sq ft

Atmospheric Concentration Level of Concern: .008 gm/m^3

LOC Description: Greenbook LOC

Weather Information

Wind Speed: 3.35 mph

Wind From: in degrees measured clockwise from 0 N. (for example: 015, 315, 270)

Ground Roughness: open country

Stability Class: F

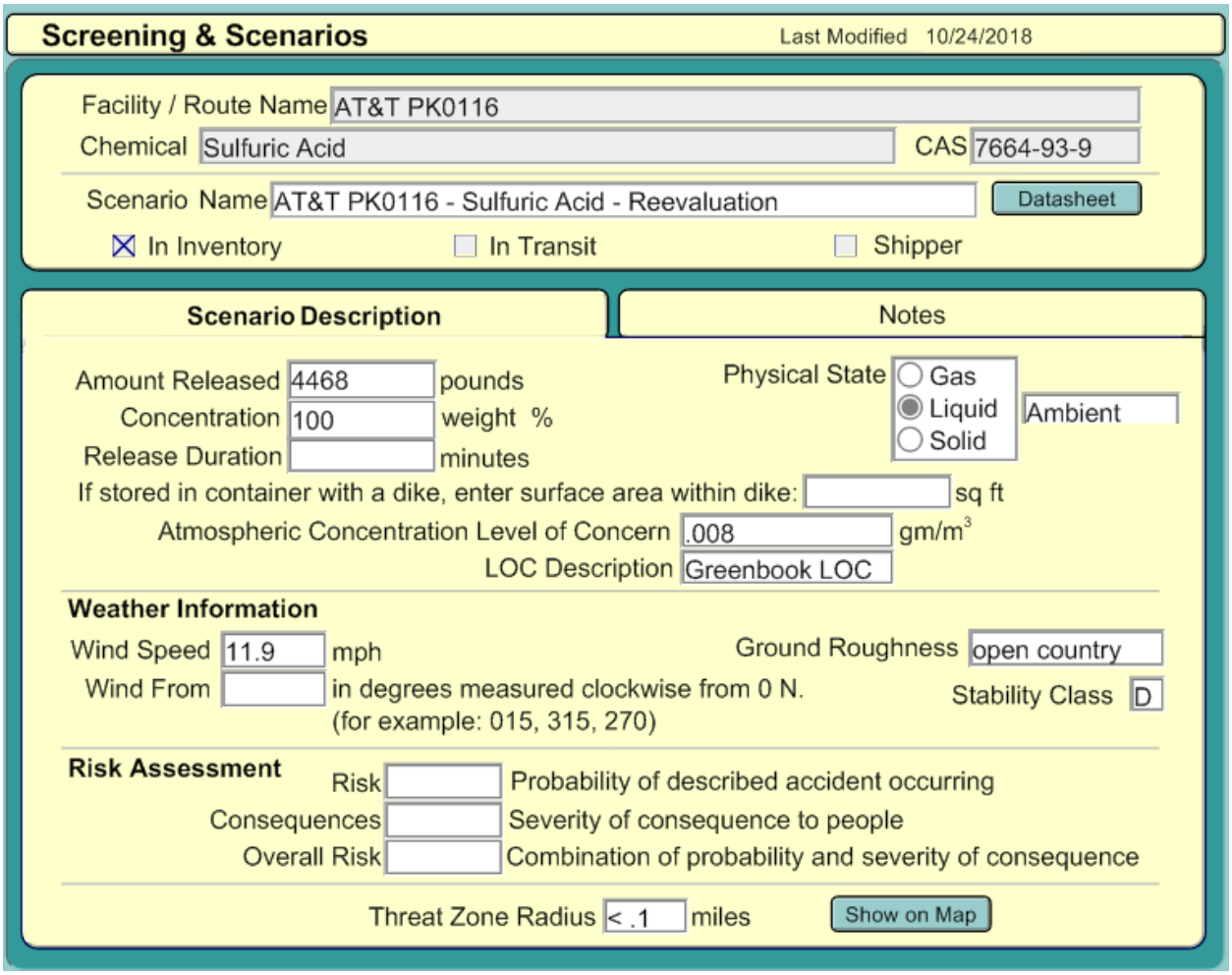
Risk Assessment

Risk: Probability of described accident occurring

Consequences: Severity of consequence to people

Overall Risk: Combination of probability and severity of consequence

Threat Zone Radius: < .1 miles [Show on Map]


Screening & Scenarios
Last Modified 10/24/2018
Facility / Route Name AT&T PK0116
Chemical Sulfuric Acid
CAS 7664-93-9
Scenario Name AT&T PK0116 - Sulfuric Acid - Reevaluation
Datasheet
In Inventory
In Transit
Shipper
Scenario Description
Notes
Amount Released 4468 pounds
Concentration 100 weight %
Release Duration minutes
Physical State Gas Liquid Solid
Ambient
If stored in container with a dike, enter surface area within dike: sq ft
Atmospheric Concentration Level of Concern .008 gm/m3
LOC Description Greenbook LOC
Weather Information
Wind Speed 11.9 mph
Wind From in degrees measured clockwise from 0 N.
(for example: 015, 315, 270)
Ground Roughness open country
Stability Class D
Risk Assessment
Risk Probability of described accident occurring
Consequences Severity of consequence to people
Overall Risk Combination of probability and severity of consequence
Threat Zone Radius < .1 miles
Show on Map

EPCRA HAZARDOUS MATERIALS FACILITY OFF-SITE PLAN

TRANSMITTAL FORM AND REVIEW GUIDE

COUNTY: Eau Claire

NEW ☐ UPDATE ☑ FINAL UPDATE ☐

Facility ID No. : 13019

Facility Name: AT&T PK0106

Facility Address: 304 South Dewey Street, Eau Claire, Wisconsin 54701

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.

Jeremy McGrue _____ 12/8/2020

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

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 ☐

EPCRA HAZARDOUS MATERIALS FACILITY OFF-SITE PLAN

TRANSMITTAL FORM AND REVIEW GUIDE

COUNTY: Eau Claire

NEW ☐ UPDATE ☑ FINAL UPDATE ☐

Facility ID No. : 13019

Facility Name: AT&T PK0106

Facility Address: 304 South Dewey Street, Eau Claire, Wisconsin 54701

FACILITY OFF-SITE PLAN REVIEW GUIDE

EPCRA Facility Off-Site Plan Elements		Page Number Reference
1)	The facility identification with address.	4
2)	Facility Coordinator / Alternate Coordinator	4
3)	Extremely Hazardous Substances (EHS) chemicals Identified with CAS numbers and maximum amount	4
4)	Primary emergency responders identified	6
5)	Support and resources available from facility	5
6)	General Information / Assumptions (Disclaimer)	7
7)	Hazard analysis summary	5
8)	Special facilities affected	7
9)	Population protection	7
10)	Special considerations	7
11)	Site Plan / Facility Layout	Appendix 1 (9 - 11)

EPCRA HAZARDOUS MATERIALS FACILITY OFF-SITE PLAN

TRANSMITTAL FORM AND REVIEW GUIDE

COUNTY: Eau Claire

NEW ☐ UPDATE ☑ FINAL UPDATE ☐

Facility ID No. : 13019

Facility Name: AT&T PK0106

Facility Address: 304 South Dewey Street, Eau Claire, Wisconsin 54701

12) Distribution list:

Facility

Fire Department of jurisdiction

Wisconsin Emergency Management- Region Office

Designated Hazmat team

County Emergency Management Office

Adjacent County Emergency Management Office when impacted by vulnerability zone

13) Required Attachments

A. Vulnerability Zone map highlighting special facilities: 8

B. Safety Data Sheet (SDS) for each EHS: Appendix 2 (12 - 18)

C. Vulnerability Zone Calculations: Appendix 3 (19 - 20)

D. Transportation route(s) map:

AT&T PK0106
Facility Off-Site
Emergency Response Plan

Facility #13019
AT&T – PK0106
304 South Dewey Street
Eau Claire, Wisconsin 54701

Eau Claire County Emergency Management
721 Oxford Avenue, Suite 3344
Eau Claire, Wisconsin 54703

TABLE OF CONTENTS

RECORD OF CHANGES

Change	Date Changed	Change Made By
Created	May 24, 2016	JA
Section 1.G. updated	November 3, 2016	JA
Updated	October 25, 2018	JA
Updated	December 8, 2020	SS

SECTION 1: FACILITY INFORMATION

A. Address

AT&T – PK0106
304 South Dewey Street
Eau Claire, Wisconsin 54701

B. Facility ID

13019

C. Map

D. Emergency Contacts

<u>Primary:</u>
Jeremy McGrue
Phone: 214-464-1712
24 Hour: 800-566-9347
jeremy.mcgrue@att.com

<u>Secondary:</u>
Darren Merhalski
Phone: 262-225-6965
24 Hour: 920-939-1175
dm488q@att.com@att.com

E. Extremely Hazardous Substances

Sulfuric Acid Chemical ID: 391879 CAS: 7664939 **ERG: Guide 137**	**Inventory:** Max Daily Amount (lbs): 9046 Ave. Daily Amount (lbs): 9046 Number of days on site: 365	**Storage:** Container: Batteries Location: Battery Room, Engine Room

F. Hazardous Substances

Diesel Fuel #2 Low Sulfur Chemical ID: 391877 CAS: 68476346 **ERG: Guide 128**	**Inventory:** Max Daily Amount (lbs): 33083 Ave. Daily Amount (lbs): 33083 Number of days on site: 365	**Storage:** Container: Tank inside building, Portable tank/generator Location: 4th fl, Basement, With engine
Lead Chemical ID: 391878 CAS: 7439921 **ERG: Guide 151**	**Inventory:** Max Daily Amount (lbs): 97941 Ave. Daily Amount (lbs): 97941 Number of days on site: 365	**Storage:** Container: Batteries Location: Battery Room, Engine Room

G. Resources/Support Available

The facility is monitored by two off site alarm systems, and spill kits are located inside.

H. Hazard Analysis

The 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. The facility is in downtown Eau Claire, across the street from Station #2 of the Eau Claire Fire Department. Seventy employees work in the building. Sulfuric Acid, present in batteries, is the major chemical hazard present.

While the facility has 9,046 pounds of Sulfuric Acid on site, the amount in the largest container is six (6) pounds. CAMEO Vulnerability Zone is calculated using the six (6) pound amount. The evaluation criteria are:

Very stable air (Class F)
Night time
Rural Area
3.4 mph wind
IDLH (Immediately Dangerous to Life and Health) concentration
Rapid release of maximum quantity of chemical in a single vessel (10 min)

The evacuation radius, as calculated by the CAMEO software package for a 9,046-pound Sulfuric acid release, was determined to be less than 0.1 mile. The Vulnerability Zone primarily affects the 70 employees on site. There are approximately 115 people residing within 0.1 mile of the facility.

Using more realistic criteria for the same amount of sulfuric acid (6 lb) or altering the quantity of sulfuric acid in the CAMEO model does not alter the evacuation radius.

The reevaluation scenario criteria are:

Neutral air stability (Class D)
Night time
Open area
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.

I. Access to Facility

The facility has multiple access points on Dewey Street, as well as a service entrance located off of the Grand Avenue parking lot.

SECTION 2: OUTSIDE RESOURCES

A. Primary Response Agencies

Fire:	**EMS:**	**Law:**	**Emergency Management:**
Eau Claire Fire Department 216 South Dewey Street Eau Claire, WI 54701 Phone: 715-839-5012	Eau Claire Fire Department 216 South Dewey Street Eau Claire, WI 54701 Phone: 715-839-5012	City of Eau Claire Police Department 721 Oxford Avenue Eau Claire, WI 54703 Phone: 715-839-4972	Eau Claire Office of Emergency Management 721 Oxford Avenue Suite 3344 Eau Claire, WI 54703 Phone: 715-839-4736

B. Hazardous Materials Response Teams

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 Type 1 Regional Hazardous Materials Response Team, requests shall be made through the WEM Duty officer by the county Emergency Management Coordinator.

C. Other Outside Assistance

See the County-Wide Hazardous Materials Strategic Plan for a listing of resources.

SECTION 3: POPULATION/ENVIRONMENTAL PROTECTION

A. Shelter-In-Place

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 indicated 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. All public schools listed are eligible evacuation shelters.

C. Nearby Shelters

N/A

SECTION 4: VULNERABILITY ZONES

A. 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 – Annex K: Fire and Rescue, as they may relate to this facility when making decisions at an incident involving fire.

Further, fire departments that would respond to an incident at this facility are strongly encouraged to meet with facility representatives to determine ways to minimize an event at the facility and to determine what additional information and factors should be taken into consideration in the event of a fire, should one occur.

The field incident commander shall determine the actual response to an incident and the affected area may vary from the planning vulnerability zone identified in this Plan. Depending on wind speed and direction, the amount of material released and other pertinent factors, the ACTUAL vulnerability zone may be smaller, and in some instances larger, than the credible worst-case vulnerability zone identified herein. The vulnerability zones determined in the Plan are for general PLANNING PURPOSES.

B. Special Facilities Affected

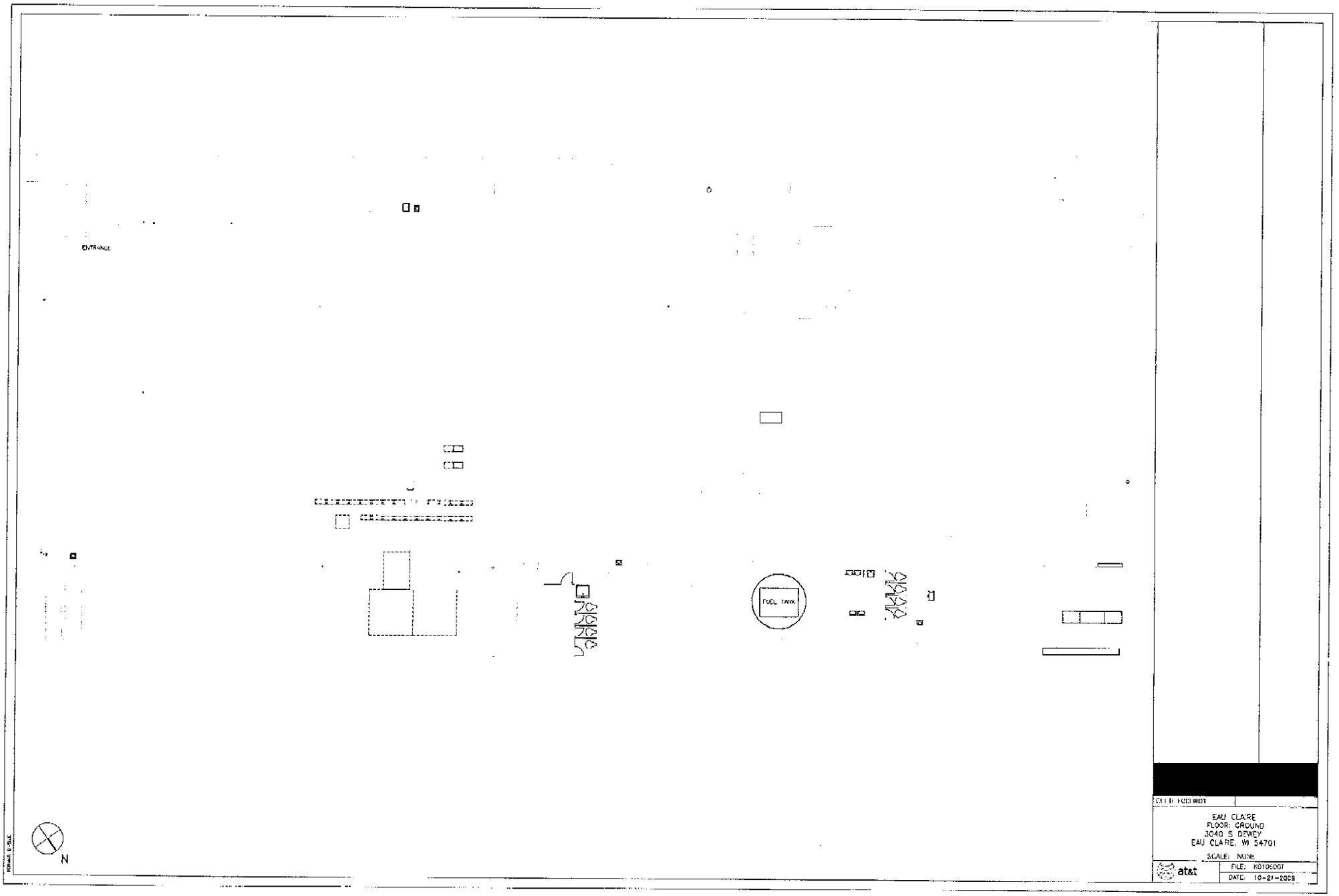
City of Eau Claire, 203 S Farwell, Eau Claire
Eau Claire Area School District, 500 Main St, Eau Claire

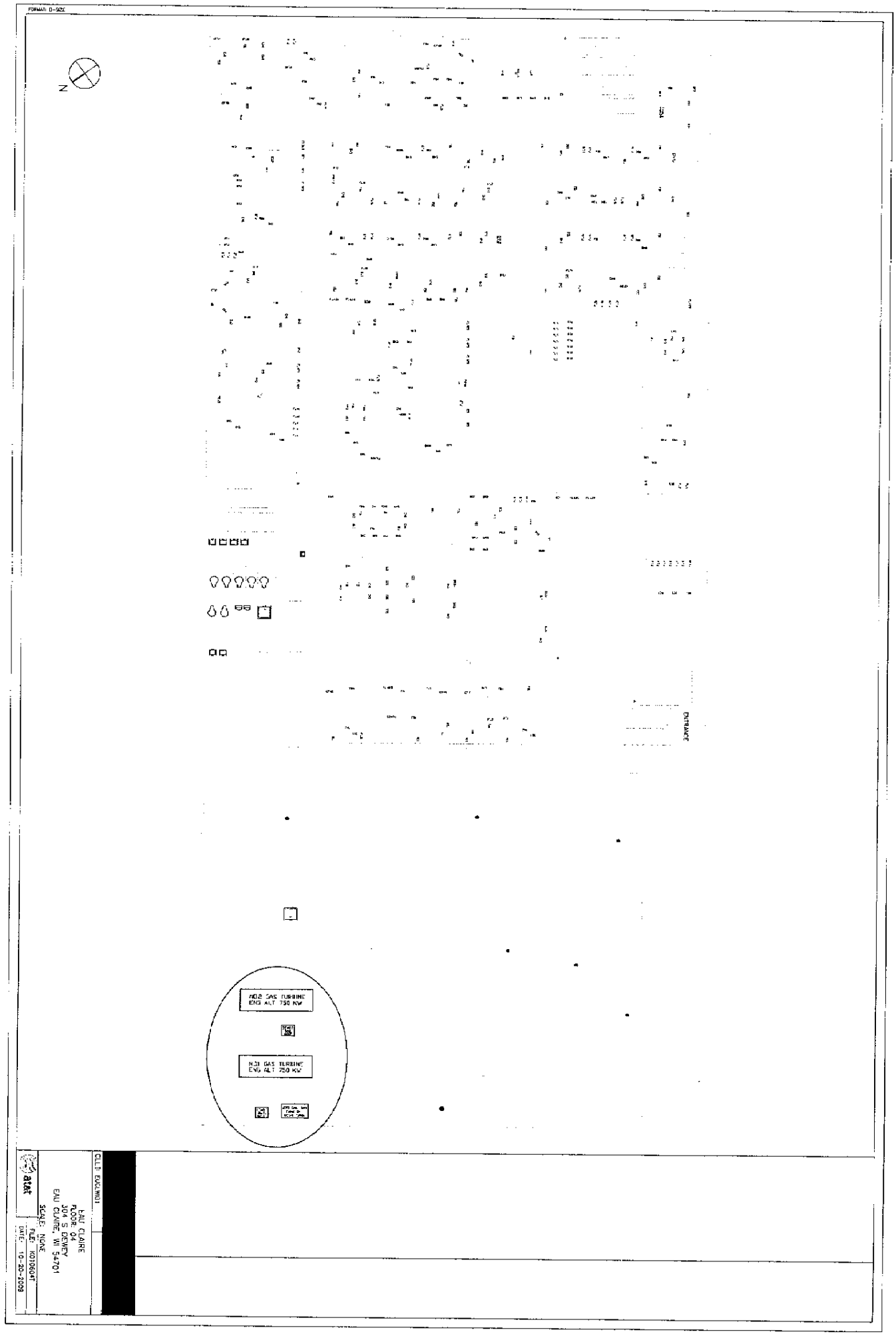
C. Vulnerability Zone Map

See map


AT&T PK0106
Sulfuric Acid .10 Mile Buffer
EAU CLAIRE ST
GIBSON ST
DOTY ST
DODGE ST
GIBSON ST
E GRAND AV
AT&T PK0106
304 S Dewey St
S DEWEY ST
MAIN ST
DOTY ST
S BARSTOW ST
S FARWELL ST
GRAY ST
GRAHAM AV

APPENDIX 1: SITE PLAN / FACILITY LAYOUT

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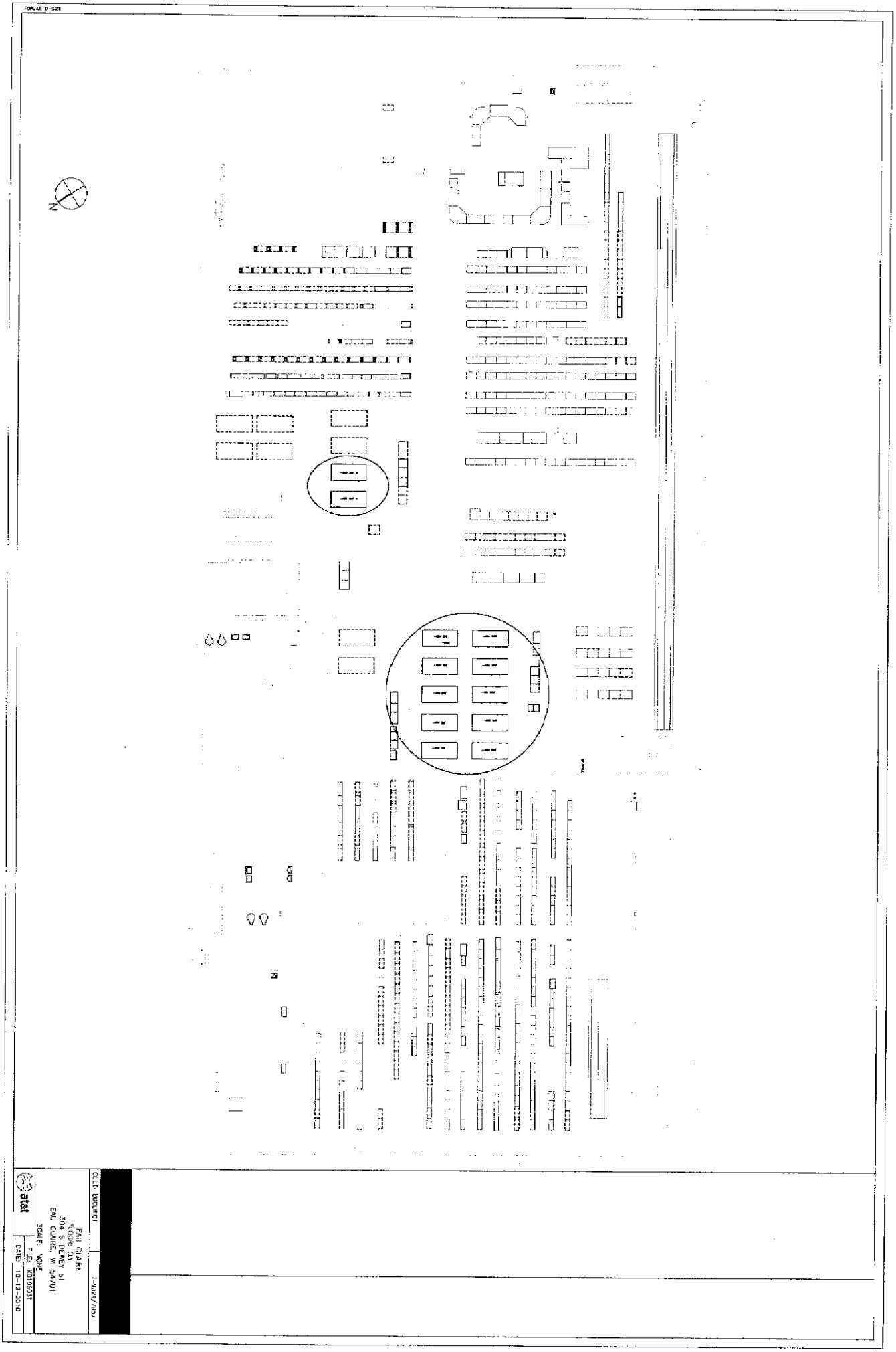
EAU CLAIRE
FLOOR 04
304 S. DEWEY
EAU CLAIRE, WI 54701
SCALE: NONE
FILE: KG1090AT
DATE: 10-20-2009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CLLF DOCUMENT
EAU CLAIRE
FIBRE 613
304 S. DEWEY St
EAU CLAIRE, WI 54701
SCALE: NONE
FILE: M0106037
DATE: 10-13-2010
T-MAST/POST

APPENDIX 2: EXTREMELY HAZARDOUS SUBSTANCES SDS

SAFETY DATA SHEET

Form #: SDS 853020
Revised: 05/14/15
Supersedes: NEW
ECO #: 1001584

I. PRODUCT IDENTIFICATION

Chemical Trade Name (as used on label):
Lead-Acid Battery, Wet

Synonyms:
Industrial Battery, Traction Battery, Stationary Battery, Deep Cycle Battery

Manufacturer's Name/Address:
EnerSys
P.O. Box 14145
2366 Bernville Road
Reading, PA 19612-4145

Chemical Family/Classification:
Electric Storage Battery

Telephone:
For information and emergencies, contact EnerSys' Environmental, Health & Safety Dept. at 610-208-1996

24-Hour Emergency Response Contact:
CHEMTREC DOMESTIC: 800-424-9300 CHEMTREC INT'L: 703-527-3877

II GHS HAZRDS IDENTFICATION

HEALTH		ENVIRONMENTAL	PHYSICAL
Acute Toxicity (Oral/Dermal/Inhalation)	Category 4	Aquatic Chronic 1	Explosive Chemical, Division 1.3
Skin Corrosion/Irritation	Category 1A	Aquatic Acute 1	
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		

GHS LABEL:

HEALTH	ENVIRONMENTAL	PHYSICAL
		

Hazard Statements

DANGER!

Causes severe skin burns and eye damage.
Causes serious eye damage.
May damage fertility or the unborn child if ingested or inhaled.
May cause cancer if ingested or inhaled.
Causes damage to central nervous system, blood and kidneys through prolonged or repeated exposure.
May form explosive air/gas mixture during charging.
Extremely flammable gas (hydrogen).
Explosive, fire, blast, or projection hazard.

Precautionary Statements

Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing, eye protection/face protection.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
Causes skin irritation, serious eye damage.
Contact with internal components may cause irritation or severe burns. Avoid contact with internal acid.
Irritating to eyes, respiratory system, and skin.

III. HAZARDOUS INGREDIENTS/IDENTIFY INFORMATION

Components	CAS Number	Approximate % by Wt.
Inorganic Lead Compound:		
Lead	7439-92-1	60-70
* Antimony	7440-36-0	2
* Arsenic	7440-38-2	0.2
* Calcium	7440-70-2	0.04
* Tin	7440-31-5	0.2
Electrolyte (Sulfuric Acid (H2SO4/H2O))	7664-93-9	10-30
Case Material:		5-10
Polypropylene	9003-07-0	
Polystyrene	9003-53-6	
Styrene Acrylonitrile	9003-54-7	
Acrylonitrile Butadiene Styrene	9003-56-9	
Styrene Butadiene	9003-55-8	
Polyvinylchloride	9002-86-2	
Polycarbonate, Hard Rubber, Polyethylene	9002-88-4	

Other:			
Silicon Dioxide (Gel batteries only)	7631-86-9	1-5	
Sheet Molding Compound (Glass reinforced polyester)	--		

Inorganic lead and electrolyte (sulfuric acid) are the primary components of every battery manufactured by EnerSys.
Other ingredients may be present dependent upon battery type. Contact your EnerSys representative for additional information.

IV. FIRST AID MEASURES

Inhalation:

Sulfuric Acid: Remove to fresh air immediately. 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 a 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 a least 15 minutes while lifting lids. Seek immediate medical attention if eyes have been exposed directly to acid.

V. FIRE FIGHTING MEASURES

Flash Point: N/A **Flammable Limits:** LEL = 4.1% (Hydrogen Gas) UEL = 74.2%

Extinguishing Media: CO2; foam; dry chemical. Do not use carbon dioxide directly on cells. Avoid breathing vapors. Use appropriate media for surrounding fire.

Special Fire Fighting Procedures:

If batteries are on charge, shut off power. Use positive pressure, self-contained breathing apparatus. Water applied to electrolyte generates heat and causes it to spatter. Wear acid-resistant clothing, gloves, face and eye protection.
But note that strings of series connected batteries may still pose risk of electric shock even when charging equipment is shut down.

Unusual Fire and Explosion Hazards:

Highly flammable hydrogen gas is generated during charging and operation of batteries. To avoid risk of fire or explosion, keep sparks or other sources of ignition away from batteries. Do not allow metallic materials to simultaneously contact negative and positive terminals of cells and batteries. Follow manufacturer's instructions for installation and service.

VI. PRECAUTIONS FOR SAFE HANDLING AND USE

Spill or Leak Procedures:

Stop flow of material, contain/absorb small spills with dry sand, earth, and 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 unneutralized acid to sewer. Acid must be managed in accordance with local, state, and federal requirements. Consult state environmental agency and/or federal EPA.

VII. 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 in cool, dry, well-ventilated areas with impervious surfaces and adequate containment in the event of spills. Batteries should also be stored under roof for protection against adverse weather conditions. Separate from incompatible materials. Store and handle only in areas with adequate water supply and spill control. Avoid damage to containers. Keep away from fire, sparks and heat. Keep away from metallic objects 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.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits (mg/m3) Note: N.E.= Not Established

INGREDIENTS (Chemical/Common Names)	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)
Antimony	0.5	0.5	0.5	0.5	0.5	0.5 (b,e)
Arsenic	0.01	0.01	0.002	0.2	0.01	N.E
Calcium	N.E	N.E	N.E	N.E	N.E	N.E
Tin	2	2	2	2	2	N.E
Electrolyte (Sulfuric Acid)	1	0.2	1	1	0.2	0.05 (c)
Polypropylene	N.E	N.E	N.E	N.E	N.E	N.E
Polystyrene	N.E	N.E	N.E	N.E	N.E	N.E
Styrene Acrylonitrile	N.E	N.E	N.E	N.E	N.E	N.E
Acrylonitrile Butadiene Styrene	N.E	N.E	N.E	N.E	N.E	N.E
Styrene Butadiene	N.E	N.E	N.E	N.E	N.E	N.E
Polyvinylchloride	N.E	N.E	N.E	N.E	1	N.E
Polycarbonate, Hard Rubber, Polyethylene	N.E	N.E	N.E	N.E	N.E	N.E
Silicon Dioxide (Gel Batteries Only)	N.E	N.E	N.E	N.E	N.E	N.E
Sheet Molding Compound (Glass reinforced polyester)	N.E	N.E	N.E	N.E	N.E	N.E

NOTES:

(b) As inhalable aerosol
(c) Thoracic fraction
(e) Based on OEL;s Of Austria, Belgium, Denmark, France, Netherlands, Switzerland, & U.K.

Engineering Controls (Ventilation):

Store and handle in well-ventilated area. If mechanical ventilation is used, components must be acid-resistant. Handle batteries cautiously to avoid spills. Make certain vent caps are on securely. Avoid 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 the 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 the PEL, use NIOSH or MSHA-approved respiratory protection.

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 sulfuric acid is handled in concentrations greater then 1%, emergency eyewash stations and showers should be provided, with unlimited water supply. Acid-resistant apron. Under severe exposure emergency conditions, wear acid-resistant clothing and boots. Face shield recommended when adding water or electrolyte to batteries, wash hands after handling.

IX. 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.		

X. REACTIVITY DATA

Stability: Stable X Unstable ___

This product is stable under normal conditions at ambient temperature.

Conditions To Avoid: Prolonged overcharge; sources of ignition

Incompatibility: (Materials to avoid)

Sulfuric Acid: 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:

Sulfuric Acid: Sulfur trioxide, carbon monoxide, sulfuric acid mist, sulfur dioxide, and hydrogen sulfide.

Lead Compounds: High temperatures 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

XI. 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 hyper pigmentation.

Eye Contact:

Sulfuric Acid: Severe irritation , burns, cornea damage, and blindness.

Lead Components: 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 and 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 50mcg/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 1 carcinogen, a substance that is carcinogenic to humans. 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 as a Group 2A carcinogen, 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 worksite. 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.

XII. 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 (Carrassisus auratus) >5000 g/L.

Additional Information:

· No known effects on stratospheric ozone depletion.
· Volatile organic compounds: 0% (by Volume)
· Water Endangering Class (WGK): NA

XIII. 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. This should be managed in accordance with approved local, state and federal requirements. Consult state environmental agency and/or federal EPA.

Electrolyte:
Place neutralized slurry into sealed containers and handle as applicable with state and federal regulations. 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.

XIV. TRANSPORT INFORMATION

U.S. DOT:

The transportation of wet and moist charged (moist active) batteries within the continental United States is regulated by the U.S. DOT through the Code of Federal Regulations, Title 49 (49CFR). These regulations classify these types of batteries as a hazardous material. Refer to 49 CFR, 173.159 for more details pertaining to the transportation of wet and moist batteries.

The shipping information is as follows:

Proper Shipping Name: Batteries, wet, filled with acid
Hazardous Class: 8
UN Identification: UN2794
Packing Group: III
Label/Placard Required: Corrosive

Contact your EnerSys representative for additional information regarding the classification of batteries.

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 international transportation of wet and moist charged (moist active) batteries is regulated by the International Air Transport Association (IATA). These regulations also classify these types of batteries as a hazardous material. The batteries must be packed according to IATA Packing Instruction 870.

The shipping information is as follows:

Proper Shipping Name: Batteries, wet, filled with acid
Hazardous Class: 8
UN Identification: UN2794
Packing Group: N/A
Label/Placard Required: Corrosive

Contact your EnerSys representative for additional information regarding the classification of batteries.

IMDG:

The international transportation of wet and moist charged (moist active) batteries is regulated by the International Maritime Dangerous Goods code (IMDG). These regulations also classify these types of batteries as hazardous material. The batteries must be packed according to IMDG code pages 8120 and 8121. IMDG Code Packing Instruction P801.

The shipping information is as follows:

Proper Shipping Name: Batteries, wet, filled with acid
Hazardous Class: 8
UN Identification: UN2794
Packing Group: N/A
Label/Placard Required: Corrosive

Contact your EnerSys representative for additional information regarding the classification of batteries.

XV. REGULATORY INFORMATION

UNITED STATES:

EPA SARA Title III:

Section 302 EPCRA Extremely Hazardous Substances (EHS):

Sulfuric acid is a listed "Extremely Hazardous Substance" under EPCRA, with a Threshold Planning Quantity (TPQ) of 1,000 lbs. EPCRA Section 302 notification is required if 1000 lbs or more of sulfuric acid is present at one site (40 CFR 370.10). For more information consult 40 CFR Part 355. The quantity of sulfuric acid will vary by battery type. Contact your EnerSys representative for additional information.

Section 304 CERCLA Hazardous Substances:

Reportable Quantity (RQ) for spilled 100% sulfuric acid under CERCLA (Superfund) and EPCRA (Emergency Planning and Community Right to Know Act) is 1,000 lbs. State and local reportable quantities for spilled sulfuric acid may vary.

Section 311/312 Hazard Categorization:

EPCRA Section 312 Tier Two reporting is required for non-automotive batteries if sulfuric acid is present in quantities of 500 lbs or more and/or if lead is present in quantities of 10,000 lbs or more. For more information consult 40 CFR 370.10 and 40 CFR 370.40

Section 313 EPCRA Toxic Substances:

40 CFR section 372.38 (b) states: If a toxic chemical is present in an article at a covered facility, a person is not required to consider the quantity of the toxic chemical present in such article when determining whether an applicable threshold has been met under § 372.25, § 372.27, or § 372.28 or determining the amount of release to be reported under § 372.30. This exemption applies whether the person received the article from another person or the person produced the article. However, this exemption applies only to the quantity of the toxic chemical present in the article.

Supplier Notification:

This product contains toxic chemicals, which may be reportable under EPCRA Section 313 Toxic Chemical Release Inventory (Form R) requirements.
If you are 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 Wt.
Lead	7439-92-1	60
Electrolyte (Sulfuric Acid (H2SO4/H2O))	7664-93-9	10 - 30
* Antimony	7440-36-0	2
* Arsenic	7440-38-2	0.2
Tin	7440-31-5	0.2

See 40 CRG Part 370 for more details.

If you distribute this product to other manufacturers in SIC Codes 20 through 39, this information must be provided with the first shipment of each calendar year.

The Section 313 supplier notification requirement does not apply to batteries, which are "consumer products".

* Not present in all battery types. Contact your EnerSys representative for additional information.

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).

CAA:

EnerSys supports preventative actions concerning ozone depletion in the atmosphere due to emissions of CFC's and other ozone depleting chemicals (ODC's), defined by the USEPA as Class I substances. Pursuant to Section 611of the Clean Air Act Amendments (CAAA) of 1990, finalized on January 19, 1993, EnerSys established a policy to eliminate the use of Class I ODC's prior to the May 15, 1993 deadline.

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. Batteries also contain other chemicals known to the State of California to cause cancer. 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.

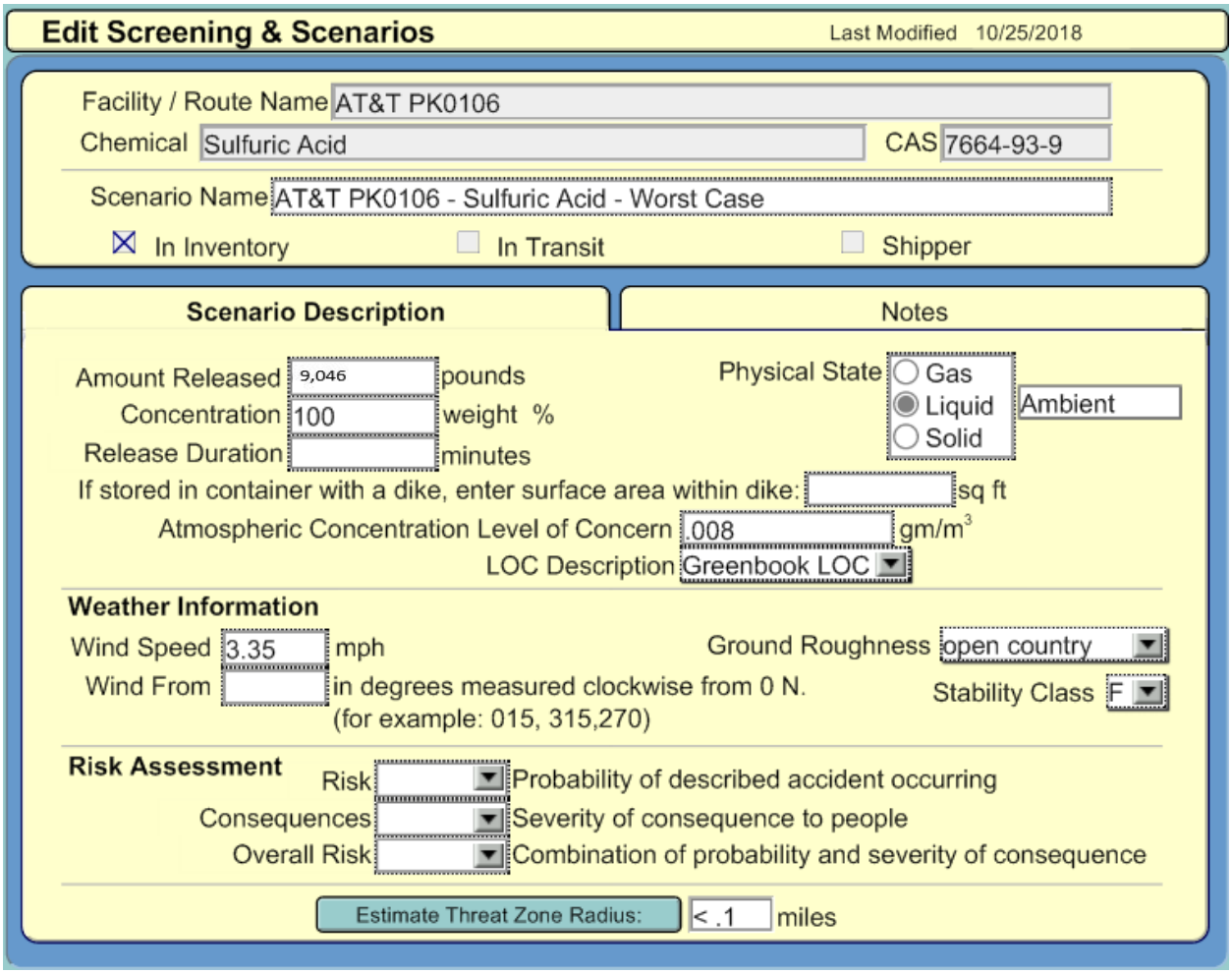
XVI. OTHER INFORMATION

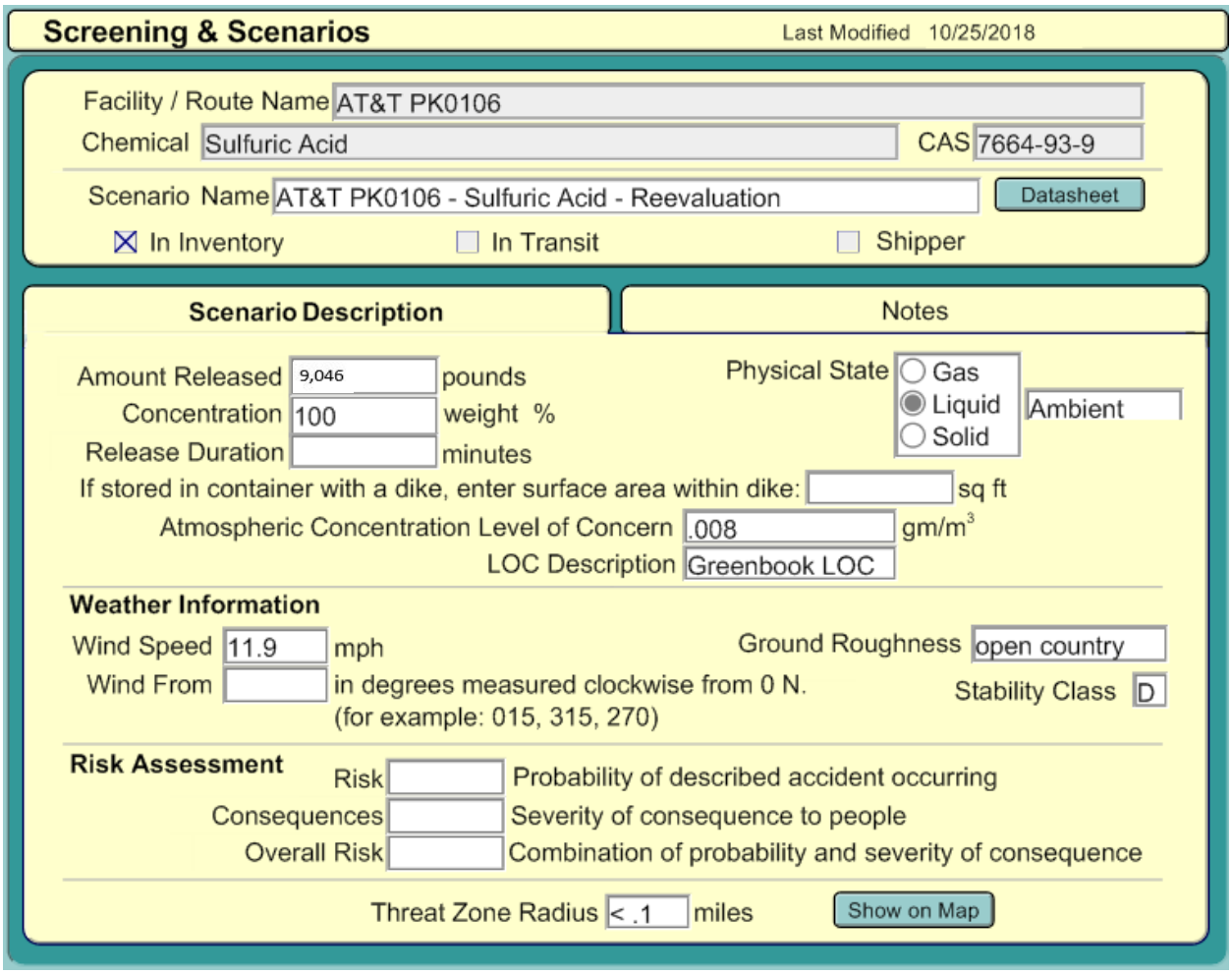
Revised: 05/14/2015

NFPA Hazard Rating for Sulfuric Acid:

Flammability (Red) = 0
Health (Blue) = 3
Reactivity (Yellow) = 2
Sulfuric acid is water-reactive if concentrated.

APPENDIX 3: CAMEO CALCULATIONS




Screening & Scenarios
Last Modified 10/25/2018
Facility / Route Name AT&T PK0106
Chemical Sulfuric Acid
CAS 7664-93-9
Scenario Name AT&T PK0106 - Sulfuric Acid - Reevaluation
Datasheet
In Inventory
In Transit
Shipper
Scenario Description
Notes
Amount Released 9,046 pounds
Concentration 100 weight %
Release Duration minutes
Physical State Gas Liquid Solid
Ambient
If stored in container with a dike, enter surface area within dike: sq ft
Atmospheric Concentration Level of Concern .008 gm/m3
LOC Description Greenbook LOC
Weather Information
Wind Speed 11.9 mph
Wind From in degrees measured clockwise from 0 N.
(for example: 015, 315, 270)
Ground Roughness open country
Stability Class D
Risk Assessment
Risk Probability of described accident occurring
Consequences Severity of consequence to people
Overall Risk Combination of probability and severity of consequence
Threat Zone Radius < .1 miles
Show on Map

EPCRA HAZARDOUS MATERIALS FACILITY OFF-SITE PLAN

TRANSMITTAL FORM AND REVIEW GUIDE

COUNTY: Eau Claire County

NEW ☐ UPDATE ☐ FINAL UPDATE ☑

Facility ID No. : 200277

Facility Name: AT&T Cleghorn Micro PK9608

Facility Address: S 9550 County Road I, Eleva WI

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: 11/08/2018

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

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 ☑

AT&T Services, Inc.
308 S. Akard St., 17th Floor
Dallas, TX 75202

February 22, 2021

Eau County LEPC
721 Oxford Ave, Suite 3344
Eau Claire, WI 54703

RE: EPCRA No Longer Reportable Notification

To Whom It May Concern:

Please be advised that the following site no longer meets the Federal Reporting Thresholds for the Emergency Planning Community Right-to-Know Act (EPCRA). This facility has less than 500 pounds of Sulfuric Acid (in batteries) and as a result is no longer EPCRA Reportable.

CLEGHORN MICRO – PK9608
S 9550 COUNTY ROAD I
ELEVA, WI

Should you have questions or concerns, please contact me at (214) 464-1712 or g43573@att.com.

Best Regards,

Jeremy McGrue
National EPCRA Manager
AT&T Services, Inc.

EPCRA HAZARDOUS MATERIALS FACILITY OFF-SITE PLAN

TRANSMITTAL FORM AND REVIEW GUIDE

COUNTY: Eau Claire

NEW ☐ UPDATE ☑ FINAL UPDATE ☐

Facility ID No. : 196827

Facility Name: Great Lakes Coca-Cola

Facility Address: 2020 Truax Boulevard, Eau Claire, Wisconsin 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.

_____ 4/12/21

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

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 ☐

EPCRA HAZARDOUS MATERIALS FACILITY OFF-SITE PLAN
TRANSMITTAL FORM AND REVIEW GUIDE

COUNTY: Eau Claire
NEW ☐ UPDATE ☑ FINAL UPDATE ☐
Facility ID No. : 196827
Facility Name: Great Lakes Coca-Cola
Facility Address: 2020 Truax Boulevard, Eau Claire, Wisconsin 54703

FACILITY OFF-SITE PLAN REVIEW GUIDE

EPCRA Facility Off-Site Plan Elements		Page Number Reference
1)	The facility identification with address.	4
2)	Facility Coordinator / Alternate Coordinator	4
3)	Extremely Hazardous Substances (EHS) chemicals Identified with CAS numbers and maximum amount	4
4)	Primary emergency responders identified	4
5)	Support and resources available from facility	5
6)	General Information / Assumptions (Disclaimer)	7
7)	Hazard analysis summary	6
8)	Special facilities affected	7
9)	Population protection	7
10)	Special considerations	7
11)	Site Plan / Facility Layout	Appendix 1 (9)

EPCRA HAZARDOUS MATERIALS FACILITY OFF-SITE PLAN
TRANSMITTAL FORM AND REVIEW GUIDE

COUNTY: Eau Claire
NEW ☐ UPDATE ☑ FINAL UPDATE ☐
Facility ID No. : 196827
Facility Name: Great Lakes Coca-Cola
Facility Address: 2020 Truax Boulevard, Eau Claire, Wisconsin 54703

12) Distribution list:

Facility
Fire Department of jurisdiction
Wisconsin Emergency Management- Region Office
Designated Hazmat team
County Emergency Management Office
Adjacent County Emergency Management Office when impacted by vulnerability zone

13) Required Attachments

A. Vulnerability Zone map highlighting special facilities: 8
B. Safety Data Sheet (SDS) for each EHS: Appendix 2 (10 - 17)
C. Vulnerability Zone Calculations: Appendix 3 (18 - 19)
D. Transportation route(s) map:

Great Lakes Coca-Cola
Facility Off-Site
Emergency Response Plan

Facility #196827
Great Lakes Coca-Cola
2020 Truax Boulevard
Eau Claire, Wisconsin 54703

Eau Claire County Emergency Management
721 Oxford Avenue, Suite 3344
Eau Claire, Wisconsin 54703

TABLE OF CONTENTS

RECORD OF CHANGES

Change	Date Changed	Change Made By
Created	6/24/2016	JA
Updated	11/23/2016	JA
Updated	October 2018	JA
Updated	April 2021	SS

SECTION 1: FACILITY INFORMATION

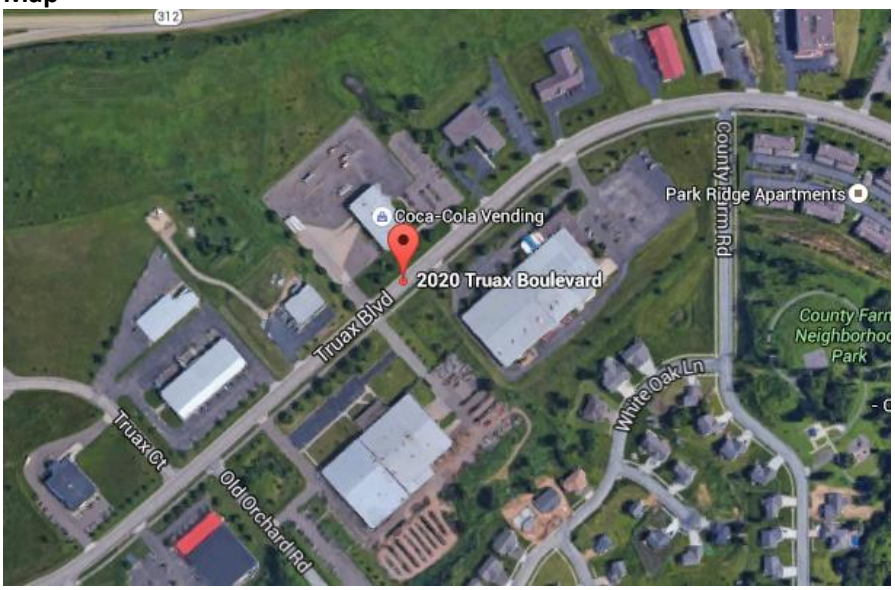
A. Address

Great Lakes Coca-Cola
2020 Truax Boulevard
Eau Claire, Wisconsin 54703

B. Facility ID

196827

C. Map



D. Emergency Contacts

Primary:
Sandy Schemenauer
Phone: 715-835-3147
24 Hour: 715-835-3147
Sandra.Schemenauer@glccd.com

Secondary:
Joshua Meyer
Phone: 651-428-6586
24 Hour: 651-428-6586
joshua.meyer@glccd.com

E. Extremely Hazardous Substances

Sulfuric Acid Chemical ID: 401948 CAS: 7664939 **ERG: Guide 137**	**Inventory:** Max Daily Amount (lbs): 2815 Ave. Daily Amount (lbs): 2815 Number of days on site: 365	**Storage:** Container: Batteries Location: Comm batteries in forklifts & other equipment

F. Hazardous Substances

Lead Chemical ID: 401947 CAS: 7439921 **ERG: Guide 137**	**Inventory:** Max Daily Amount (lbs): 11035 Ave. Daily Amount (lbs): 11035 Number of days on site: 365	**Storage:** Container: Batteries Location: Comm batteries in forklifts & other equipment

G. Resources/Support Available

None at facility. Eau Claire County has a level B hazardous materials response team. For level A incident, contact the West Central Hazardous Response Team through the Wisconsin Emergency Management Duty Officer at 1-800-943-0003.

H. Hazard Analysis

Great Lakes Coca-Cola is a soft drink distribution center that stores product in various sizes for distribution to points of sale within the region. The plant is bordered to the east and west by other businesses. A large strip of vacant grassland lies to the north, northeast and northwest between the distribution center and Highway 312. To the south, across Truax Boulevard are other businesses. The facility is comprised of a single building with a small reception area on the southwest corner of the building. To the north, northeast and northwest is a large paved area for truck parking while unloaded waiting to be filled.

The plant operates on a single shift system, 0800-1700 Monday through Friday.

Sulfuric Acid (2,815 lb.) is stored in lead batteries used by forklifts inside the warehouse. Batteries are replaced at the end of their life cycle in accordance with local, state and federal law. Powering stations are in the warehouse area at various locations.

The worst case scenario for each chemical was based on the maximum quantity of chemical present or the largest container of the product; whichever is less. (2,815 pounds of Sulfuric Acid). Criteria are:

Very stable air (Class F)
Night time
open area
3.35 mph wind
IDLH (Immediately Dangerous to Life and Health) concentration
Rapid release of maximum quantity of chemical in a single vessel (10 min.)

The evacuation radius, as calculated by the CAMEO software package for 2,815 pounds of Sulfuric Acid release, was determined to be less than 0.10 miles. The Vulnerability Zone encompasses most of the footprint of the Coca Cola facility and a portion of the road right of way but does not pose a significant danger to businesses in the area.

The re-evaluation scenario criteria are:
Neutral air stability (Class D)
Night time
Open area
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.

The evacuation radius, as calculated by the CAMEO software package using the reevaluation criteria, for a 2,815 lb. sulfuric acid release, was determined to be less than 0.1 mile. The Vulnerability Zone primarily affects the employees in the immediate vicinity of the release.

I. Access to Facility

There are two access points to the facility on Truax Boulevard. One access point is a gated shipping entrance, and the other is an unsecured public access point.

SECTION 2: OUTSIDE RESOURCES

A. Primary Response Agencies

Fire:	**EMS:**	**Law:**	**Emergency Management:**
Eau Claire Fire Dept. Station 9 3611 Campus Road Eau Claire, WI 54701 Phone:	Eau Claire Fire Dept. Station 9 3611 Campus Road Eau Claire, WI 54701 Phone:	City of Eau Claire Police Department 721 Oxford Avenue Eau Claire, WI 54703 Phone: 715-839-4972	Eau Claire Office of Emergency Management 721 Oxford Avenue Suite 3344 Eau Claire, WI 54703 Phone: 715-839-4736

B. Hazardous Materials Response Teams

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 Type 1 Regional Hazardous Materials Response Team, requests shall be made through the WEM Duty officer by the county Emergency Management Director.

C. Other Outside Assistance

See the County-Wide Hazardous Materials Strategic Plan for a listing of resources.

SECTION 3: POPULATION/ENVIRONMENTAL PROTECTION

A. Shelter-In-Place

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 indicated 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. All public schools listed are eligible evacuation shelters.

C. Nearby Shelters

N/A

SECTION 4: VULNERABILITY ZONES

A. General Information and Assumptions

The vulnerability zones set forth in this Plan are based on the EPA Technical Guidance for Hazards Analysis. The zones are based on a credible worst-case scenario and identify the potential area for impact should an airborne 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.

Incidents involving fire are not considered in the development of this plan because of the potential mix of unknown chemicals and the changing threats of chemicals as they are heated. The plan provides basic information about the facility for first responders to employ. In an actual fire situation at this facility, the Incident Commander is strongly encouraged to reference the fire department's own individual agency pre-emergency plans and standard operating procedures. 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 determines the actual response to an incident as the affected area may vary from the planning vulnerability zone identified in this Plan. Depending on wind speed and direction, the amount of material released and other pertinent factors, the ACTUAL vulnerability zone may be smaller, and in some instances larger, than the credible worst-case vulnerability zone identified herein.

The vulnerability zones determined in this Plan are for general PLANNING PURPOSES.

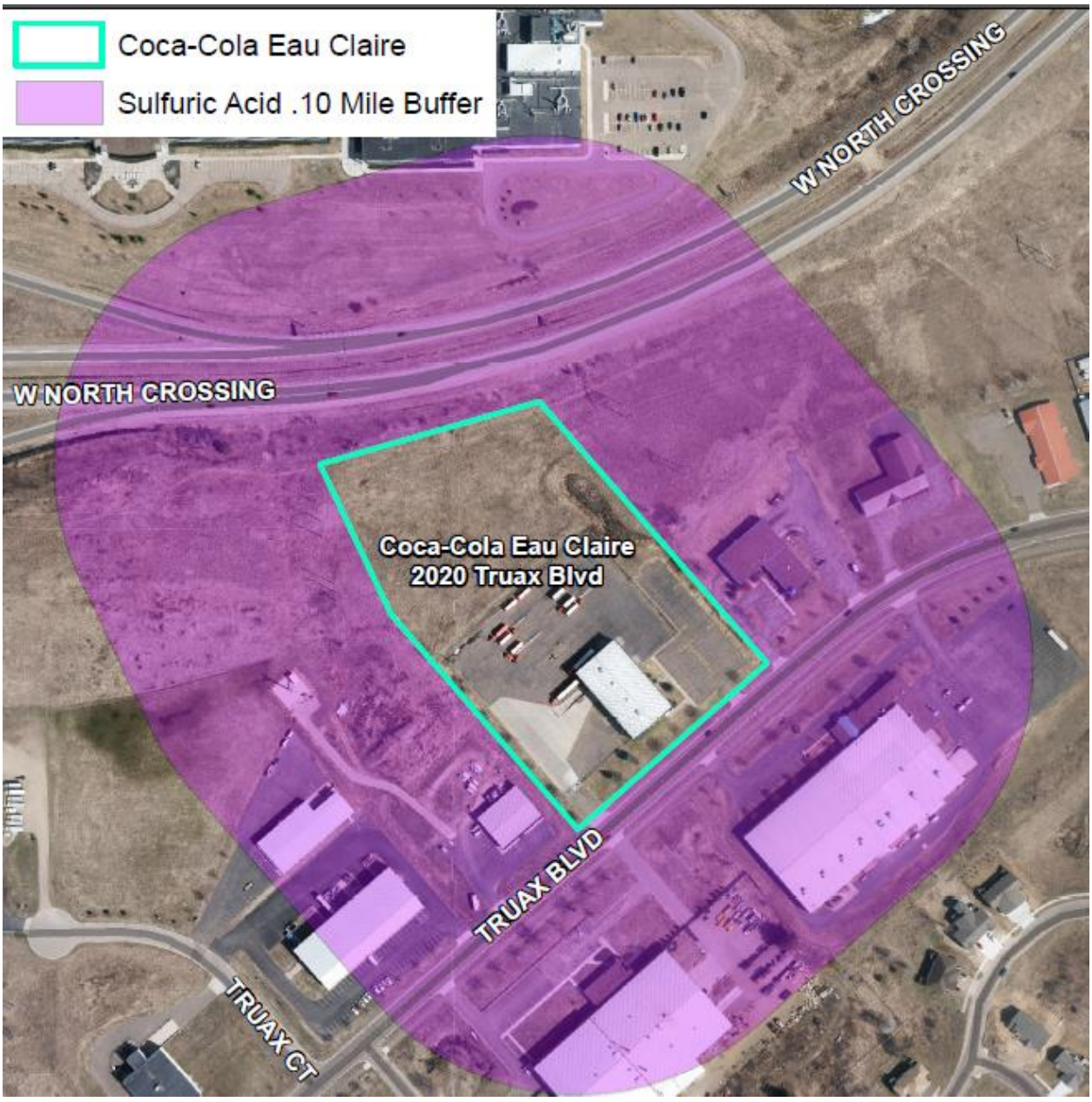
B. Special Facilities Affected

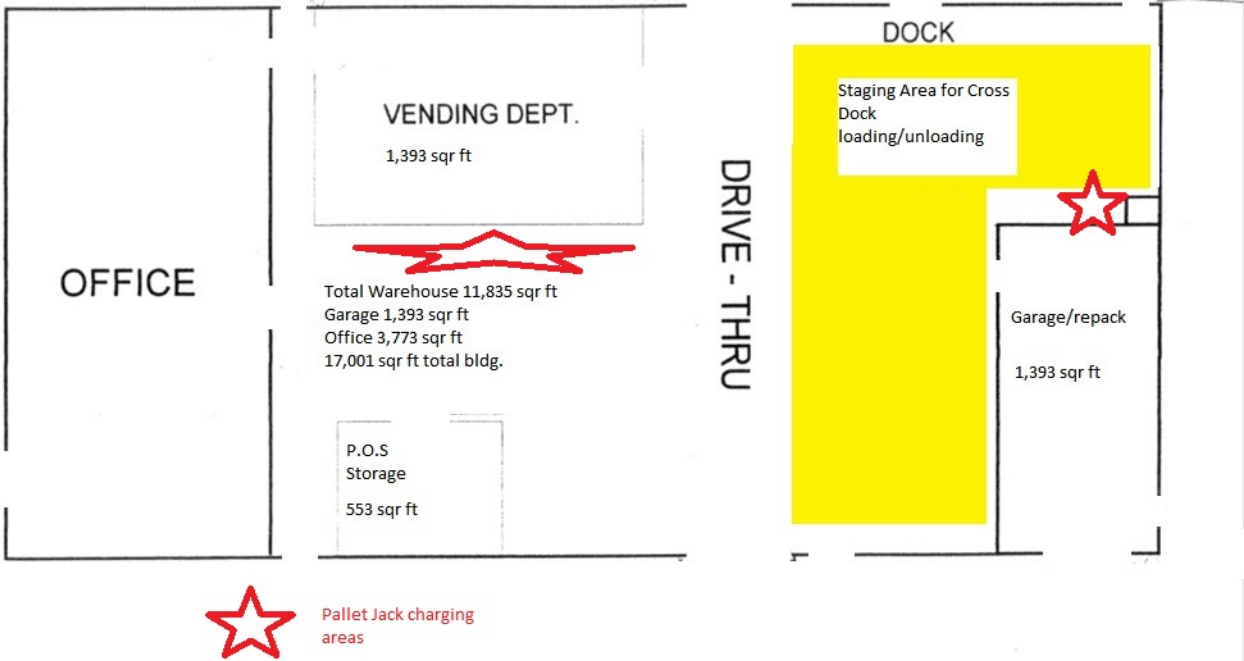
The Vulnerability Zone Map earmarks the following major population groupings, which may be affected by a release of sulfuric acid. There are limited resources for evacuation and those special facilities within this zone are encouraged to develop in house sheltering/evacuation plans. The Special Facilities have been notified and encouraged to develop individual plans.

There are no special facilities that may be affected, although traffic on Truax may be rerouted.

C. Vulnerability Zone Map

See map


Coca-Cola Eau Claire
Sulfuric Acid .10 Mile Buffer
W NORTH CROSSING
W NORTH CROSSING
Coca-Cola Eau Claire
2020 Truax Blvd
TRUAX BLVD
TRUAX CT



APPENDIX 1: FACILITY LAYOUT

SCALE: 1" = 20'

SIGMA-ALDRICH

sigma-aldrich.com

SAFETY DATA SHEET

Version 5.12
Revision Date 09/23/2016
Print Date 05/16/2017

1. PRODUCT AND COMPANY IDENTIFICATION

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

1.3 Details of the supplier of the safety data sheet

Company : Sigma-Aldrich
3050 Spruce Street
SAINT LOUIS MO 63103
USA

Telephone : +1 800-325-5832
Fax : +1 800-325-5052

1.4 Emergency telephone number

Emergency Phone # : +1-703-527-3887 (CHEMTREC)

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 statement(s)
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.

Precautionary statement(s)
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 stainless steel 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

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
Registration number	:	01-2119458838-20-XXXX

Hazardous components

Component	Classification	Concentration
Sulfuric acid		
	Met. Corr. 1; Skin Corr. 1A; Eye Dam. 1; H290, H314	<= 100 %

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

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.Continue rinsing eyes during transport to hospital.

If swallowed
Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture
No data available

5.3 Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information
No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
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
Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections
For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid inhalation of vapour or mist.
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

Component	CAS-No.	Value	Control parameters	Basis
Sulfuric acid	7664-93-9	TWA	0.2 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
		TWA	1 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
		TWA	1 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants

Derived No Effect Level (DNEL)

Application Area	Exposure routes	Health effect	Value
Workers	Inhalation	Acute local effects	0.1 mg/m3
Workers	Inhalation	Long-term local effects	0.05 mg/m3

Predicted No Effect Concentration (PNEC)

Compartment	Value
Marine water	0.00025 mg/l
Fresh water	0.0025 mg/l
Marine sediment	0.002 mg/kg

Fresh water sediment	0.002 mg/kg
Onsite sewage treatment plant	8.8 mg/l

8.2 Exposure controls

Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection
Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

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: Nitrile rubber
Minimum layer thickness: 0.2 mm
Break through time: 30 min
Material tested:Dermatril® P (KCL 743 / Aldrich Z677388, 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 CE 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
Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure
Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a)	Appearance	Form: clear, liquid
b)	Odour	No data available
c)	Odour Threshold	No data available
d)	pH	1.2 at 5 g/l
e)	Melting point/freezing point	3 °C (37 °F)
f)	Initial boiling point and boiling range	290 °C (554 °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)	Vapour pressure	1.33 hPa (1.00 mmHg) at 145.8 °C (294.4 °F)
l)	Vapour density	3.39 - (Air = 1.0)
m)	Relative density	1.84 g/cm3 at 25 °C (77 °F)
n)	Water solubility	soluble
o)	Partition coefficient: n-octanol/water	No data available
p)	Auto-ignition temperature	No data available
q)	Decomposition temperature	No data available
r)	Viscosity	No data available
s)	Explosive properties	No data available
t)	Oxidizing properties	No data available

9.2 Other safety information

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

10. STABILITY AND REACTIVITY

10.1 Reactivity
No data available

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
No data available

10.5 Incompatible materials
Bases, Halides, Organic materials, Carbides, fulminates, Nitrates, picrates, Cyanides, Chlorates, alkali halides, Zinc salts, permanganates, e.g. potassium permanganate, Hydrogen peroxide, Azides, Perchlorates., Nitromethane, phosphorous, Reacts violently with:, cyclopentadiene, cyclopentanone oxime, nitroaryl amines, hexalithium disilicide, phosphorous(III) oxide, Powdered metals

10.6 Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Sulphur oxides
Other decomposition products - No data available
In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity
LD50 Oral - Rat - 2,140 mg/kg

LC50 Inhalation - Rat - 2 h - 510 mg/m3

Dermal: No data available

No data available

Skin corrosion/irritation
Skin - Rabbit
Result: Extremely corrosive and destructive to tissue.

Serious eye damage/eye irritation
Eyes - Rabbit
Result: Corrosive to eyes

Respiratory or skin sensitisation
No data available

Germ cell mutagenicity
No data available

Carcinogenicity

The International Agency for Research on Cancer (IARC) has determined that occupational exposure to strong-inorganic-acid mists containing sulfuric acid is carcinogenic to humans (group 1).

IARC: No component 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 component 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 identified as a carcinogen or potential carcinogen by OSHA.

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

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.

Stomach - Irregularities - Based on Human Evidence
Stomach - Irregularities - Based on Human Evidence

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish	LC50 - Gambusia affinis (Mosquito fish) - 42 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Water flea) - 29 mg/l - 24 h

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 Other adverse effects

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging
Dispose of as unused product.

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

15. REGULATORY INFORMATION

SARA 302 Components
The following components are subject to reporting levels established by SARA Title III, Section 302:

	CAS-No.	Revision Date
Sulfuric acid	7664-93-9	2007-07-01

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

	CAS-No.	Revision Date
Sulfuric acid	7664-93-9	2007-07-01

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

Massachusetts Right To Know Components

	CAS-No.	Revision Date
Sulfuric acid	7664-93-9	2007-07-01

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
Sulfuric acid	7664-93-9	2007-07-01

New Jersey Right To Know Components

	CAS-No.	Revision Date
Sulfuric acid	7664-93-9	2007-07-01

California Prop. 65 Components

	CAS-No.	Revision Date
WARNING! This product contains a chemical known to the State of California to cause cancer.	7664-93-9	2007-09-28

Sulfuric acid

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

Eye Dam.	Serious eye damage
H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
Met. Corr.	Corrosive to metals

HMIS Rating

Health hazard:	3
Chronic Health Hazard:	*
Flammability:	0
Physical Hazard	0

NFPA Rating

Health hazard:	3
Fire Hazard:	0
Reactivity Hazard:	0

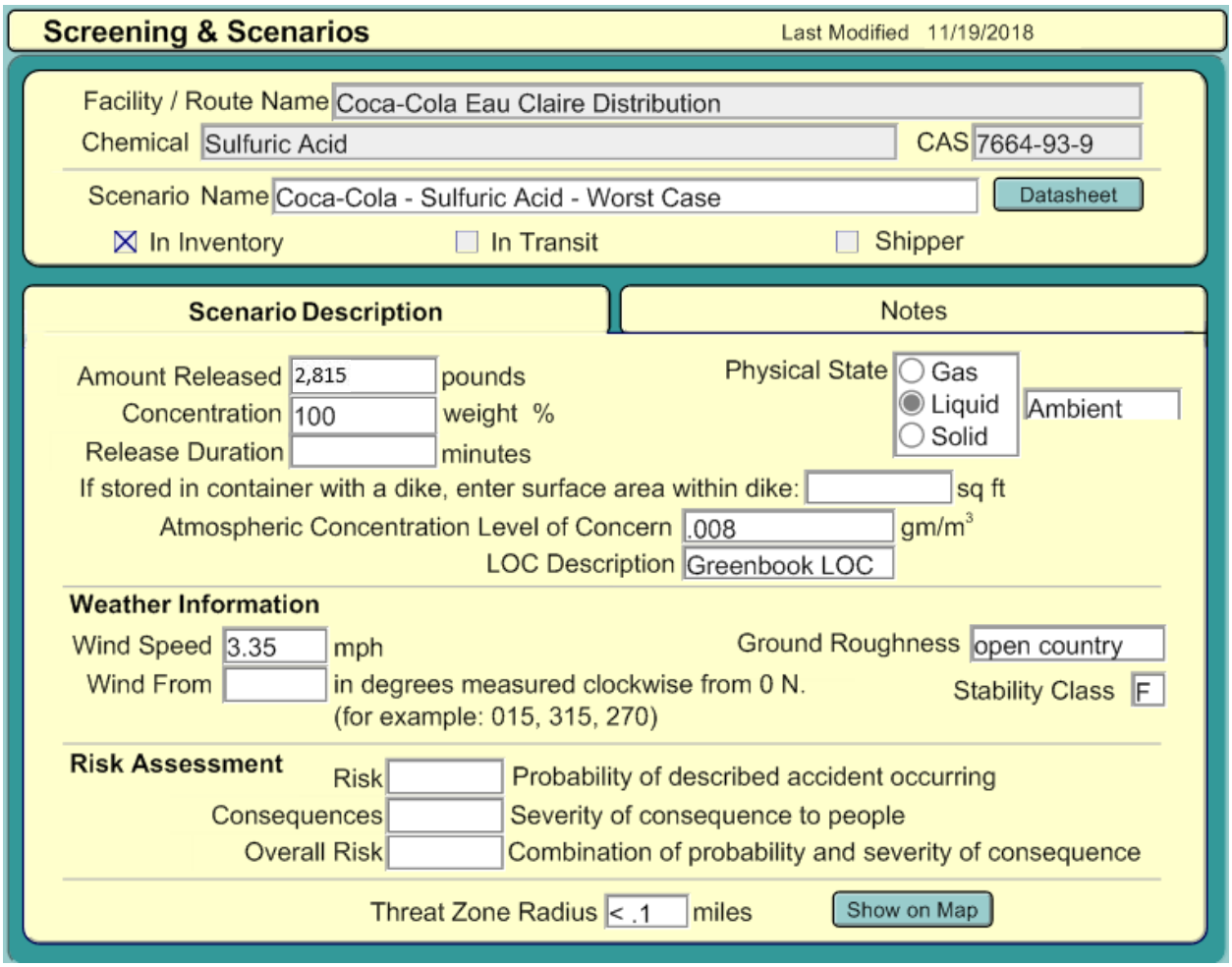
Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. 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.

Preparation Information

Sigma-Aldrich Corporation
Product Safety – Americas Region
1-800-521-8956

Version: 5.12 Revision Date: 09/23/2016 Print Date: 05/16/2017



Screening & Scenarios Last Modified 11/19/2018

Facility / Route Name: Coca-Cola Eau Claire Distribution

Chemical: Sulfuric Acid CAS: 7664-93-9

Scenario Name: Coca-Cola - Sulfuric Acid - Worst Case [Datasheet]

☒ In Inventory ☐ In Transit ☐ Shipper

Scenario Description | Notes

Amount Released: 2,815 pounds

Concentration: 100 weight %

Release Duration: minutes

Physical State: ○ Gas ◉ Liquid ○ Solid — Ambient

If stored in container with a dike, enter surface area within dike: sq ft

Atmospheric Concentration Level of Concern: .008 gm/m^3

LOC Description: Greenbook LOC

Weather Information

Wind Speed: 3.35 mph

Wind From: in degrees measured clockwise from 0 N. (for example: 015, 315, 270)

Ground Roughness: open country

Stability Class: F

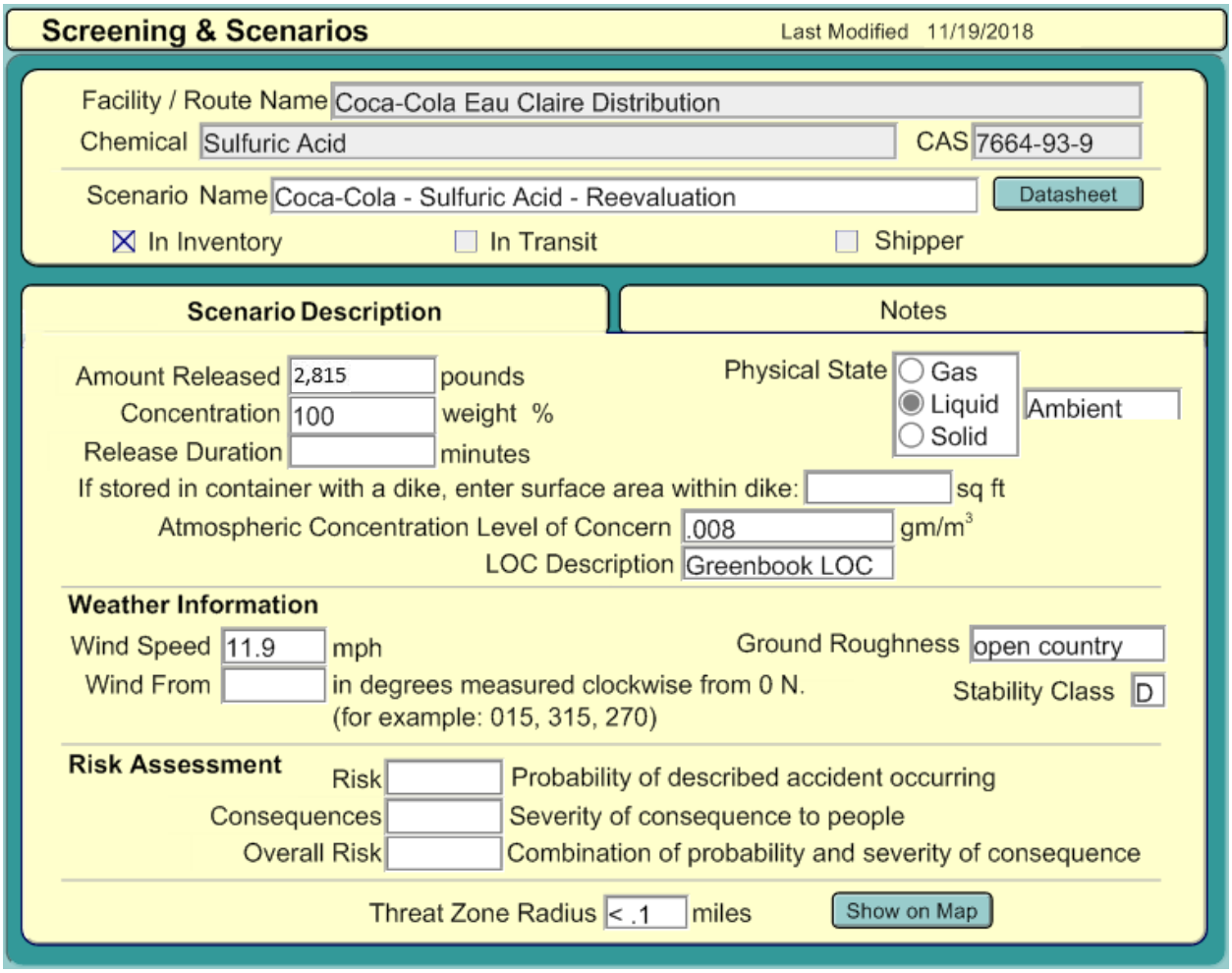
Risk Assessment

Risk: Probability of described accident occurring

Consequences: Severity of consequence to people

Overall Risk: Combination of probability and severity of consequence

Threat Zone Radius: < .1 miles [Show on Map]


Screening & Scenarios
Last Modified 11/19/2018
Facility / Route Name Coca-Cola Eau Claire Distribution
Chemical Sulfuric Acid
CAS 7664-93-9
Scenario Name Coca-Cola - Sulfuric Acid - Reevaluation
Datasheet
In Inventory
In Transit
Shipper
Scenario Description
Notes
Amount Released 2,815 pounds
Concentration 100 weight %
Release Duration minutes
Physical State Gas Liquid Solid
Ambient
If stored in container with a dike, enter surface area within dike: sq ft
Atmospheric Concentration Level of Concern .008 gm/m3
LOC Description Greenbook LOC
Weather Information
Wind Speed 11.9 mph
Wind From in degrees measured clockwise from 0 N.
(for example: 015, 315, 270)
Ground Roughness open country
Stability Class D
Risk Assessment
Risk Probability of described accident occurring
Consequences Severity of consequence to people
Overall Risk Combination of probability and severity of consequence
Threat Zone Radius < .1 miles
Show on Map

EPCRA HAZARDOUS MATERIALS FACILITY OFF-SITE PLAN

TRANSMITTAL FORM AND REVIEW GUIDE

COUNTY: Eau Claire

NEW ☐ UPDATE ☑ FINAL UPDATE ☐

Facility ID No. : 150128

Facility Name: Hutchinson Technology, Inc.

Facility Address: 2435 Alpine Road, Eau Claire, Wisconsin 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**.**

Thomas Lochner *Thomas Lochner* April, 9, 2021

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

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 ☐

EPCRA HAZARDOUS MATERIALS FACILITY OFF-SITE PLAN

TRANSMITTAL FORM AND REVIEW GUIDE

COUNTY: Eau Claire

NEW ☐ UPDATE ☑ FINAL UPDATE ☐

Facility ID No. : 150128

Facility Name: Hutchinson Technology, Inc.

Facility Address: 2435 Alpine Road, Eau Claire, Wisconsin 54703

FACILITY OFF-SITE PLAN REVIEW GUIDE

EPCRA Facility Off-Site Plan Elements		Page Number Reference
1)	The facility identification with address.	4
2)	Facility Coordinator / Alternate Coordinator	4
3)	Extremely Hazardous Substances (EHS) chemicals Identified with CAS numbers and maximum amount	4 - 5
4)	Primary emergency responders identified	4
5)	Support and resources available from facility	7 - 8
6)	General Information / Assumptions (Disclaimer)	10
7)	Hazard analysis summary	8 - 9
8)	Special facilities affected	11 - 13
9)	Population protection	7
10)	Special considerations	7
11)	Site Plan / Facility Layout	Appendix 1 (18)

EPCRA HAZARDOUS MATERIALS FACILITY OFF-SITE PLAN

TRANSMITTAL FORM AND REVIEW GUIDE

COUNTY: Eau Claire

NEW ☐ UPDATE ☑ FINAL UPDATE ☐

Facility lD No. : 150128

Facility Name: Hutchinson Technology, Inc.

Facility Address: 2435 Alpine Road, Eau Claire, Wisconsin 54703

12) Distribution list:

Facility

Fire Department of jurisdiction

Wisconsin Emergency Management- Region Office

Designated Hazmat team

County Emergency Management Office

Adjacent County Emergency Management Office when impacted by vulnerability zone

13) Required Attachments

A. Vulnerability Zone map highlighting special facilities: 15 - 17

B. Safety Data Sheet (SDS) for each EHS: Appendix 2 (19 - 32)

C. Vulnerability Zone Calculations: Appendix 3 (33 - 36)

D. Transportation route(s) map:

Hutchinson Technology
Facility Off-Site
Emergency Response Plan

Facility #150128
Hutchinson Technology, Inc.
2435 Alpine Road
Eau Claire, Wisconsin 54703

Eau Claire County Emergency Management
721 Oxford Avenue, Suite 3344
Eau Claire, Wisconsin 54703

TABLE OF CONTENTS

RECORD OF CHANGES

Change	Date Changed	Change Made By
Initial Draft	May 2018	J. Allen
Finalize Changes	July 2018	J. Allen
Plan Update	March 2021	S. Simmons

SECTION 1: FACILITY INFORMATION

A. Address

Hutchinson Technology, Inc.
2435 Alpine Road
Eau Claire, Wisconsin 54703

B. Facility ID

150128

C. Map

D. Emergency Contacts

Primary:
Thomas Lochner
Phone: 715-830-7098
24 Hour: 715-820-6000
thomas.lochner@hti.htch.com

Secondary:
Savannah Runstrom
Phone: 715 830-7099
24 Hour: 715 828-1526
savannah.runstrom@hti.htch.com

E. Extremely Hazardous Substances

Chlorine Chemical ID: 394725 CAS: 7782505 **ERG: Guide 124**	**Inventory:** Max Daily Amount (lbs): 16000 Ave. Daily Amount (lbs): 10000 Number of days on site: 365	**Storage:** Container: Cylinder Location: Outside bunker
Sulfuric Acid Chemical ID: 394724 CAS: 7664939 **ERG: Guide 137**	**Inventory:** Max Daily Amount (lbs): 134000 Ave. Daily Amount (lbs): 110000 Number of days on site: 365	**Storage:** Container: Tank inside building, Other Locations: Tank storage in basement, Inside non-consumer batteries

F. Hazardous Substances

1-Methyl-2-Pyrrolidone Chemical ID: 394710 CAS: 872504 **ERG: Guide 128**	**Inventory:** Max Daily Amount (lbs): 70500 Ave. Daily Amount (lbs): 46000 Number of days on site: 365	**Storage:** Container: Tote bin, Tanks inside building Location: Tote storage in basement and tanks in process equipment
ACE Blend Chemical ID: 394715 CAS: N/A **ERG: N/A**	**Inventory:** Max Daily Amount (lbs): 26000 Ave. Daily Amount (lbs): 18400 Number of days on site: 365	**Storage:** Container: Tote bin, Tank inside building Location: Tote storage in Basement and Tank Bldg 4
Calcium Hydroxide (Lime) Chemical ID: 394708 CAS: 1305620 **ERG: Guide 154**	**Inventory:** Max Daily Amount (lbs): 19000 Ave. Daily Amount (lbs): 10300 Number of days on site: 365	**Storage:** Container: Bag Location: Basement on pallets
Carbon Granular Chemical ID: 394723 CAS: 7440440 **ERG: N/A**	**Inventory:** Max Daily Amount (lbs): 45000 Ave. Daily Amount (lbs): 45000 Number of days on site: 365	**Storage:** Container: Bag, Inside air handers Location: Chem Storage Room in Basement, Air Handlers on Roof
Cupric Oxide Chemical ID: 394721 CAS: 3251238 **ERG: Guide 154**	**Inventory:** Max Daily Amount (lbs): 10000 Ave. Daily Amount (lbs): 6700 Number of days on site: 365	**Storage:** Container: Plastic Pail Location: Chem Storage Room in Basement
Developer 300 Chemical ID: 394713 CAS: N/A **ERG: N/A**	**Inventory:** Max Daily Amount (lbs): 30700 Ave. Daily Amount (lbs): 14500 Number of days on site: 365	**Storage:** Container: Tank inside building, Tote bin Location: Tank in Bldg 4 Basement. Tote Storage in Basement
Dry Film Resist Chemical ID: 394718 CAS: N/A **ERG: N/A**	**Inventory:** Max Daily Amount (lbs): 17500 Ave. Daily Amount (lbs): 12000 Number of days on site: 365	**Storage:** Container: Box Location: Refrigerated Storage in Receiving Area
Ethylene Glycol Chemical ID: 394719 CAS: 107211 **ERG: Guide 111**	**Inventory:** Max Daily Amount (lbs): 45000 Ave. Daily Amount (lbs): 45000 Number of days on site: 365	**Storage:** Container: Inside heating and cooling systems and piping Location: Throughout Facility in Heating and Cooling Systems

Ferric Chloride Solution Chemical ID: 394709 CAS: 7705080 **ERG: Guide 157**	**Inventory:** Max Daily Amount (lbs): 268000 Ave. Daily Amount (lbs): 180000 Number of days on site: 365	**Storage:** Container: Tank inside building Location: Tanks in Chem Storage Room Bldg. 2 Basement, Tanks on Pedestal Bldg 2
GF Strip 67 Chemical ID: 398276 CAS: N/A **ERG: N/A**	**Inventory:** Max Daily Amount (lbs): 12000 Ave. Daily Amount (lbs): 3800 Number of days on site: 365	**Storage:** Container: Plastic or nonmetallic drum Location: Chemical Storage Room in Basement
Hydrochloric Acid Chemical ID: 394705 CAS: 7647010 **ERG: Guide 157**	**Inventory:** Max Daily Amount (lbs): 79000 Ave. Daily Amount (lbs): 52000 Number of days on site: 365	**Storage:** Container: Tank inside building Location: Tanks on Bldg 2 Pedestal and Chem Storage in Bldg 2 Basement
Hydrogen Peroxide (Conc. 52%) Chemical ID: 394717 CAS: 7722841 **ERG: Guide 140**	**Inventory:** Max Daily Amount (lbs): 15700 Ave. Daily Amount (lbs): 6100 Number of days on site: 365	**Storage:** Container: Tank inside building, Tote bin Location: Tank in Bldg 4 Basement, Chemical Storage in Basement
Lead Compound in Batteries Chemical ID: 394711 CAS: 7439921 **ERG: N/A**	**Inventory:** Max Daily Amount (lbs): 17400 Ave. Daily Amount (lbs): 17300 Number of days on site: 365	**Storage:** Container: Batteries Location: Inside non-consumer batteries
Magnesium Sulfate 15% Chemical ID: 398220 CAS: 7487889 **ERG: Guide 120**	**Inventory:** Max Daily Amount (lbs): 11300 Ave. Daily Amount (lbs): 6400 Number of days on site: 365	**Storage:** Container: Plastic or nonmetallic drum Location: Chem Storage Room in Basement
Nickel Sulfamate Chemical ID: 394722 CAS: 13770893 **ERG: Guide 122**	**Inventory:** Max Daily Amount (lbs): 10300 Ave. Daily Amount (lbs): 9000 Number of days on site: 365	**Storage:** Container: Plastic or nonmetallic drum, Tank inside building Location: Chem Storage Room in Basement, Tank in Bldg 4 Basement
Nitric Acid Chemical ID: 394726 CAS: 7697372 **ERG: N/A**	**Inventory:** Max Daily Amount (lbs): 990 Ave. Daily Amount (lbs): 870 Number of days on site: 365	**Storage:** Container: Tank inside building Location: Tank in Bldg 4 Basement, Chemical storage area-basement
Nitrogen, Cryogenic Liquid Chemical ID: 394702 CAS: 7727379 **ERG: Guide 115**	**Inventory:** Max Daily Amount (lbs): 124000 Ave. Daily Amount (lbs): 96000 Number of days on site: 365	**Storage:** Container: Above ground tank Location: Outside in dewar tank

Oxygen, Cryogenic Liquid Chemical ID: 394706 CAS: 7782447 **ERG: N/A**	**Inventory:** Max Daily Amount (lbs): 28500 Ave. Daily Amount (lbs): 17400 Number of days on site: 365	**Storage:** Container: Above ground tank Location: Outside storage tank
PC Cleaner 14 Chemical ID: 394714 CAS: N/A **ERG: N/A**	**Inventory:** Max Daily Amount (lbs): 23000 Ave. Daily Amount (lbs): 14100 Number of days on site: 365	**Storage:** Container: Tote bin, Tank inside building Location: Tote Storage in Basement, Tank Bsmt 4
Propane Chemical ID: 394703 CAS: 74986 **ERG: Guide 115**	**Inventory:** Max Daily Amount (lbs): 204000 Ave. Daily Amount (lbs): 153000 Number of days on site: 365	**Storage:** Container: Above ground tank Location: Outside storage tank
Propylene Carbonate Chemical ID: 394716 CAS: 108327 **ERG: N/A**	**Inventory:** Max Daily Amount (lbs): 20000 Ave. Daily Amount (lbs): 12200 Number of days on site: 365	**Storage:** Container: Tank inside building, Plastic or nonmetallic drum Location: Tank in Bldg 4 Basement, Chemical Storage in Basement
RS-1609 (Ethanolamine) Chemical ID: 394707 CAS: N/A **ERG: N/A**	**Inventory:** Max Daily Amount (lbs): 89000 Ave. Daily Amount (lbs): 61000 Number of days on site: 365	**Storage:** Container: Tank inside building, Tote bin Location: Tank in Bldg 4 Basement, Tote Storage in Basement
Sodium Hydroxide Chemical ID: 394704 CAS: 1310732 **ERG: N/A**	**Inventory:** Max Daily Amount (lbs): 105000 Ave. Daily Amount (lbs): 80000 Number of days on site: 365	**Storage:** Container: Tank inside building Location: Tank Storage in Basement

G. Resources/Support Available

Hutchinson Technology (HTI) maintains a Level B response team to respond to chemical incidents. Approximately 40 employees have completed the 24-hour Hazwoper course and maintain their certification through 8-hrs of annual refresher training. The facility is staffed 24 hours per day, 7 days per week with Hazwoper trained individuals.

The Hazwoper team maintains the necessary equipment to respond up to a Level B incident. Response equipment includes Self Contained Breathing Apparatus (SCBA's), Level B suits, chemical resistant gloves, boots, face shields, goggles, full and half mask respirators, and fall protection harnesses.

HTI also maintains an Emergency Brigade staffed with Emergency Medical and First Aid/CPR trained individuals that would support the Hazwoper team as necessary. The Emergency Brigade involves approximately 50 individuals and is available on-site 24 hours per day, 7 days per week.

HTI maintains spill kits and equipment to clean up a chemical spill. A contractor, Bay West, is on retainer to provide spill response assistance if necessary.

On-site communication is done through an internal alarm system, office and mobile phone system, or through handheld 2-way radios.

H. Hazard Analysis

Hutchinson Technology specializes in the design and manufacture of microelectronic components. HTI employs approximately 500 employees at the Eau Claire facility. There is an average of 75 employees on site at all times with the exception of 7 a.m. – 5 p.m. Monday – Friday where an average of 200 employees are on site. The size of the building is approximately 400,000 square feet. A variety of chemical processes are performed on site. The building is actually designed as 4 individual buildings. Building 1, the farthest west building, is owned by Riverside Machine and Engineering. Buildings 2, 3 and 4 are owned by HTI. LHI, a medical health support call center, leases office space in building 2 and employees approximately 100 people. Since March 2020, the LHI offices have been vacant and all LHI employees have been working remotely. It's unknown whether LHI employees will be working on-site in the future.

The majority of the chemical handling and distribution occurs in Buildings 2 and 4. However, chemical use and processes may be found in any of the manufacturing areas.

Due to the use or potential generation of hazardous Chlorine, Hydrogen Cyanide, and Ammonia gases, the facility is monitored with sensors to warn of a release. Hazardous gases are continuously monitored at key locations. If the airborne concentration exceeds alarm setpoint levels at any monitor location, the system will sound local alarms, alert the facility Hazwoper Lead, Building Coordinator, and Emergency Brigade, and depending on the chemical and airborne concentration, may automatically shut down equipment, close valves and doors, and start exhaust fans.

The hazard analysis determined the primary chemical hazards, and the amount in the largest container, to be the following:

Chlorine (2,000 pounds)
Sulfuric Acid (56,000 pounds)

NOTE: Copper Sulfate Liquid contains the Extremely Hazardous Substance (EHS) Sulfuric Acid in an amount which is less than the Section 302 Threshold Planning Quantity (TPQ) of 1,000 pounds. Nitric Acid, also an EHS, is also stored onsite at less than the TPQ.

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 evacuation radius, as calculated by CAMEO software for a 2,000-pound Chlorine release, was determined to be greater than 10 miles. It is estimated that 108,638 people (46,231 housing units) may be affected by the release.

The evacuation radius, as calculated by CAMEO software for a 56,000-pound Sulfuric Acid release, was determined to be less than 0.1 miles. It is estimated that 0 people (0 housing units) may be affected by the release.

NOTE: Affected populations exclude onsite staff.
The extremely hazardous substances were reevaluated using more realistic scenario criteria, the scenario criteria are:

Neutral Air Stability (Class D)
Open Country
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

Reevaluation of a 2,000-pound release of Chlorine using more realistic variables in the CAMEO model yields an evacuation radius of 1.6 miles. The population in this area is estimated to be 7,690 people (3,593 housing units).

Reevaluation of a 56,000 pound release of Sulfuric Acid using more realistic variables in the CAMEO model yields an evacuation radius of less than 0.1 miles. The population in this area is estimated to be 0 people (0 housing units).

I. Access to Facility

Vehicle access to the facility is from Alpine Road on the north side of the facility. All facility buildings are secured with badge access only through locked doors. Phones are located in each entry. To gain access to the facility dial 4545 to contact the building coordinator. A Building Coordinator is on-site at all times whether the facility is operating or not.

SECTION 2: OUTSIDE RESOURCES

A. Primary Response Agencies

Fire:	**EMS:**	**Law:**	**Emergency Management:**
Eau Claire Fire Dept. Eau Claire, WI 54701 Phone: 715-839-5012	Eau Claire Fire Dept. Eau Claire, WI 54701 Phone: 715-839-5012	City of Eau Claire Police Department 721 Oxford Avenue Suite 1400 Eau Claire, WI 54703 Phone: 715-839-4972	Eau Claire Office of Emergency Management 721 Oxford Avenue Suite 3344 Eau Claire, WI 54703 Phone: 715-839-4736

B. Hazardous Materials Response Teams

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 Type 1 Regional Hazardous Materials Response Team, requests shall be made through the WEM Duty officer by the county Emergency Management Director.

C. Other Outside Assistance

See the County-Wide Hazardous Materials Strategic Plan for a listing of resources.

SECTION 3: POPULATION/ENVIRONMENTAL PROTECTION

A. Shelter-In-Place

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 indicated 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. All public schools listed are eligible evacuation shelters.

C. Nearby Shelters

N/A

SECTION 4: VULNERABILITY ZONES

A. 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 – Annex K: Fire and Rescue, as they may relate to this facility when making decisions at an incident involving fire.

Further, fire departments that would respond to an incident at this facility are strongly encouraged to meet with facility representatives to determine ways to minimize an event at the facility and to determine what additional information and factors should be taken into consideration in the event of a fire, should one occur.

The field incident commander shall determine the actual response to an incident and the affected area may vary from the planning vulnerability zone identified in this Plan. Depending on wind speed and direction, the amount of material released and other pertinent factors, the ACTUAL vulnerability zone may be smaller, and in some instances larger, than the credible worst-case vulnerability zone identified herein. The vulnerability zones determined in the Plan are for general PLANNING PURPOSES.

B. Special Facilities Affected

"I" Care Day Care Center Inc 2821 Fairfax St Eau Claire, WI 54720 715-552-1234	**A Child's World Early Learning Center** 2857 Western Ave Eau Claire, WI 54703 715-835-7021	**Altoona Early Education Center** 701 W Seventh St Altoona, WI 54720 715-832-5543
Altoona Elementary School 157 Bartlett Ave Altoona, WI 54720 715-839-6050	**Altoona Family Child Care Center** 819 S Hillcrest Pkwy Altoona, WI 54720 715-552-5437	**Altoona High School** 711 7th Street West Altoona, WI 54720 715-839-6031
Altoona Middle School 1903 Bartlett Ave Altoona, WI 54720 715-839-6030	**Aurora Residential** 1302 Arien Ct Eau Claire, WI 54703 715-835-9202	**Aurora Residential Alternative** 3635 Livingston Ln Eau Claire, WI 54701 715-838-0719
Azura Memory of Eau Claire 3712 Damon St Eau Claire, WI 54701 715-832-6696	**Babes in Toyland Childcare** 4430 Tower Dr Eau Claire, WI 54703 715-830-9432	**Beautiful Minds Child Care** 2821 Fairfax St Eau Claire, WI 54701 715-834-4360
Bethel Christian School 2361 N Hastings Way Eau Claire, WI 54703 715-835-8866	**Brighter Beginnings Early Learning** 1612 Truax Blvd Eau Claire, WI 54703 715-831-9944	**Broadview University** 4955 Bullis Farm Rd Eau Claire, WI 54701 715-855-6600
Care Partners 887 Briar Ln Altoona, WI 54720 715-598-7401	**Care Partners Assisted Living** 3325 Birch St Eau Claire, WI 54701 715-514-3709	**Children's House Montessori** 415 E Lake St Eau Claire, WI 54701 715-835-7861
Chippewa Falls County Altrntv 2820 E Park Ave Chippewa Falls, WI 54729 715-723-5542	**Chippewa Falls Halmstad Elementary School** 565 South Ave Chippewa Falls, WI 54729 715-726-2415	**Chippewa Falls High School** 735 Terrill St Chippewa Falls, WI 54729 715-726-2406
Chippewa Falls Middle School 750 Tropicana Blvd Chippewa Falls, WI 54729 715-726-2400	**Chippewa Falls School District** 1130 Miles St Chippewa Falls, WI 54729 715-726-2417	**Chippewa Manor Retirement** 756 Irvine St Chippewa Falls, WI 54729 715-726-2123
Chippewa Valley Montessori Charter School 400 Cameron St Eau Claire, WI 54703 715-852-6950	**Chippewa Valley Technical College - Business Education Center** 620 W Clairemont Ave Eau Claire, WI 54701 715-833-6200	**Chippewa Valley Technical College-Emergency Service Education Center** 3623 Campus Rd Eau Claire, WI 54703 715-855-7500
Chippewa Valley Technical College-Energy Education Center 4000 Campus Rd Eau Claire, WI 54703 715-855-7502	**Chippewa Valley Technical College-Health Education Center** 615 W Clairemont Ave Eau Claire, WI 54701 715-833-6417	**Chippewa Valley Technical College-Manufacturing Education Center** 2320 Alpine Rd Eau Claire, WI 54703 715-874-4600
Circle Friends Early Learning 1750 Hallie Rd Chippewa Falls, WI 54729 715-552-9696	**City of Altoona** 1303 Lynn Ave Altoona, WI 54720 715-839-5192	**City of Eau Claire** 203 S Farwell St Eau Claire, WI 54701 715-839-4947
Clearwater Care Center 2120 Heights Dr Eau Claire, WI 54701 715-832-1681	**Color My World Child Care** 1903 Western Ave Eau Claire, WI 54703 715-835-2060	**Community Based Residential** 1930 Cleveland St Eau Claire, WI 54703 715-832-7904

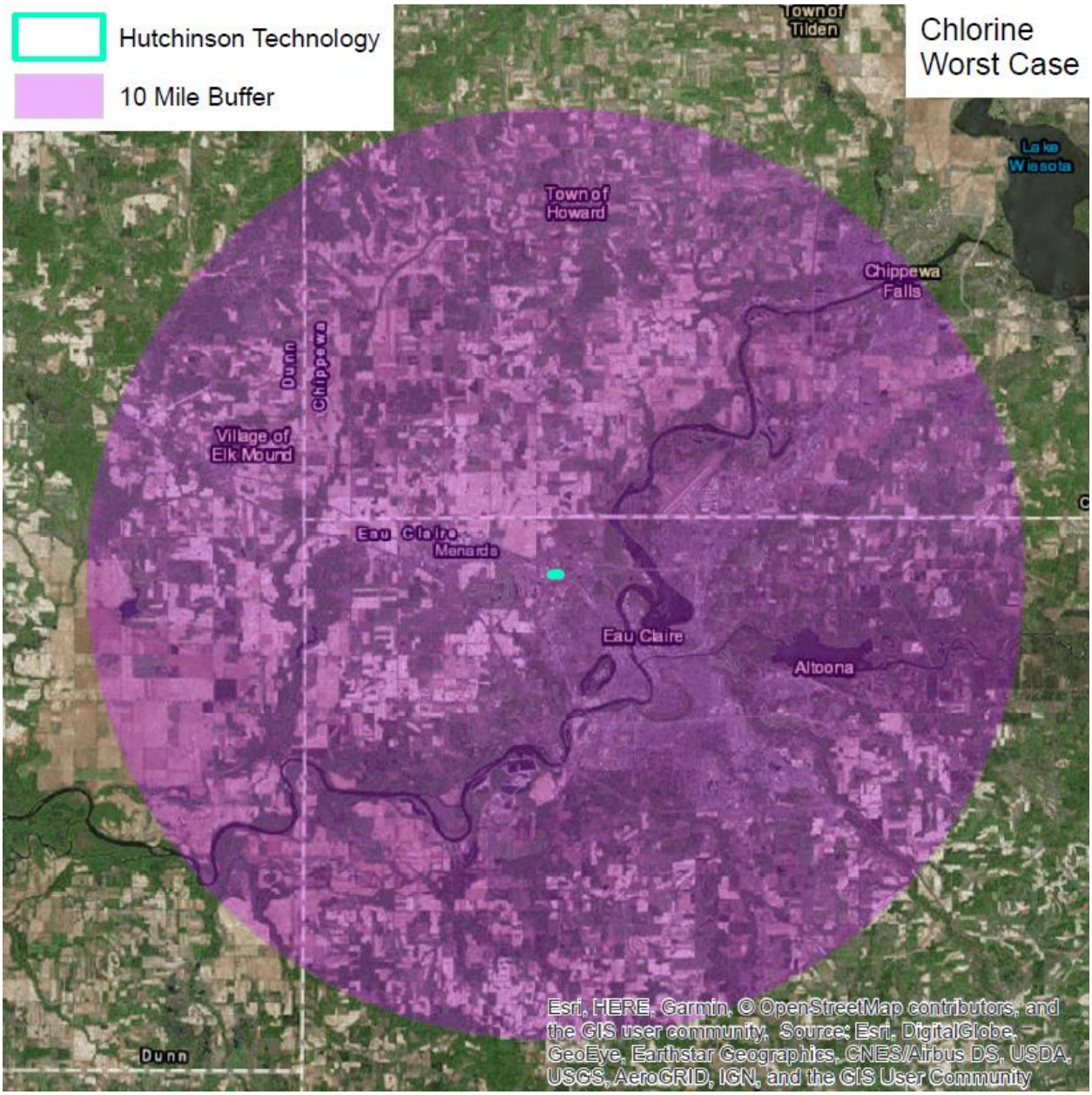
Country Terrace of Altoona 1511 Devney Dr Altoona, WI 54720 715-835-3474	**Days Gone By Early Learning** 3221 Lorch Ave Eau Claire, WI 54701 715-835-1234	**Dearwood** 2011 N 60th Ave Eau Claire, WI 54703 715-830-0518
Delong Middle School 2000 Vine Street Eau Claire, WI 54703 715-852-4900	**Dove Healthcare- South Eau Claire** 3656 Mall Dr Eau Claire, WI 54701 715-552-1035	**Dove Healthcare- West Eau Claire** 1405 Truax Blvd Eau Claire, WI 54703 715-552-1030
Eau Claire Academy 550 N Dewey St Eau Claire, WI 54703 715-834-6681	**Eau Claire County Courthouse** 721 Oxford Ave Eau Claire, WI 54703 715-839-4710	**Eau Claire County Jail** 710 2nd Ave Eau Claire, WI 54703 715-839-4702
Eau Claire Extension Office 227 1st St W A Altoona, WI 54720 715-839-4712	**Eau Claire Family Child Care** 2140 Sherwin Ave Eau Claire, WI 54701 715-834-5439	**Eau Claire KinderCare** 2115 Fairfax St Eau Claire, WI 54701 715-832-8099
Eau Claire Police Department 740 2nd Ave Eau Claire, WI 54703 715-839-4972	**Elk Mound High School** 405 University St Elk Mound, WI 54739 715-879-5521	**Elk Mound Middle School** 302 University St Elk Mound, WI 54739 715-879-5595
Family Tree 2005 Agnes St Eau Claire, WI 54701 715-832-3663	**Family Tree Child Care Center** 320 Division St Altoona, WI 54720 715-894-7529	**Federal Bureau of Investigation** 216 Pinnacle Way #310 Eau Claire, WI 54701 715-835-3761
Flynn Elementary School 1430 Lee St Eau Claire, WI 54701 715-852-3300	**From the Roots Early Learning Center, LLC** 2912 London Rd Eau Claire, WI 54701 715-514-4881	**GCBK Group Homes Inc** 2821 Beverly Hills Dr Eau Claire, WI 54701 715-855-7701
Genesis Child Development Center 418 N Dewey St Eau Claire, WI 54703 715-830-2275	**Giggles Child Care Center** 1626 Starr Ave Eau Claire, WI 54703 715-833-8767	**Grace Edgewood Asst** 2512 Spooner Ave Altoona, WI 54720 715-832-5813
Grace Lutheran Communities 3410 Sky Park Blvd Eau Claire, WI 54701 715-832-3003	**Grace Lutheran Communities- River Pines** 206 N Willson Dr Altoona, WI 54720 715-598-7800	**Grace Lutheran Foundation Inc** 822 Porter Ave Eau Claire, WI 54701 715-832-3003
Grace School Age Child Care 3410 Sky Park Blvd Eau Claire, WI 54701 715-832-3039	**Grace Willowbrook** 4868 Otteson Ln Eau Claire, WI 54701 715-835-0429	**Grace Woodlands** 3214 Gala St Eau Claire, WI 54703 715-831-8100
Gracelands Daycare LLC 1711 Bellinger St Eau Claire, WI 54703 715-832-4310	**Hand in Hand- A Place-Children** 800 Wisconsin St Eau Claire, WI 54703 715-833-7744	**Harbor House** 3712 Damon St Eau Claire, WI 54701 715-832-6696
Heatherwood Assisted Living & Memory Care 4510 Gateway Dr Eau Claire, WI 54701 715-598-2768	**Heritage Court Memory Care** 3515 E Hamilton Ave Eau Claire, WI 54701 715-831-8200	**Heritage Court Memory Care** 3515 E Hamilton Ave Eau Claire, WI 54701 715-831-8200
Heritage Senior Living at Oakwood Hills 3706 Damon St Eau Claire, WI 54701 715-831-9118	**Holy Ghost Elementary School** 436 Main St Chippewa Falls, WI 54729 715-723-6478	**Hope Lutheran Preschool** 2226 Eddy Ln Eau Claire, WI 54703 715-832-2998

Immanuel Lutheran High School, College, & Seminary 501 Grover Rd Eau Claire, WI 54701 715-836-6621	**Kids Kingdom Mcp Llc** 3628 Spooner Ave Altoona, WI 54720 715-514-3381	**Lake Hallie Memory Care** 4407 124th St Chippewa Falls, WI 54729 715-738-0011
Lakeshore Elementary School 711 Lake Street Eau Claire, WI 54703 715-852-3400	**Learn-A-Lot Preschool & Daycare** 2834 W Princeton Ave Eau Claire, WI 54703 715-834-0308	**Learning Center** 1721 Westgate Rd Eau Claire, WI 54703 715-598-1819
Liberty Christian School 6027 60th Ave Chippewa Falls, WI 54729 715-723-0336	**lil dudes-N-divas Daycare** 3631 E Hamilton Ave Eau Claire, WI 54701 715-598-7003	**Little Bloomers Child Care Center** 3980 Tamara Dr Eau Claire, WI 54701 715-839-1050
Little Jungle Childcare 5433 Star Ridge Rd Eau Claire, WI 54703 715-874-6300	**Little School House. LLC** 2328 N Hillcrest Pkwy Altoona, WI 54720 715-214-6609	**Little Star 2** 428 1st St W Altoona, WI 54720 715-271-0743
Little Star Daycare 2245 Hayden Ave Altoona, WI 54720 715-832-1513 ext. 4	**Locust Lane Elementary School** 3245 Locus Ln Eau Claire, WI 54703 715-852-3700	**Luther Midelfort Clairemont** 733 W Clairemont Ave Eau Claire, WI 54703 715-838-5222
Manz Elementary School 1000 E. Fillmore Ave Eau Claire, WI 54701 715-852-3900	**Marshfield Clinic** 1002 W Clairemont Ave Eau Claire, WI 54701 715-858-4099	**Marshfield Clinic** 1262 W Clairemont Ave Eau Claire, WI 54701 715-858-4610
Mayo Clinic - Luther Campus 1221 Whipple St Eau Claire, WI 54703 715-838-3311	**Mayo Clinic Health System** 1400 Bellinger St Eau Claire, WI 54702 715-838-5222	**McDonnell Central Catholic High School** 1316 Bel Air Blvd Chippewa Falls, WI 54729 715-723-9126
McKinley Charter School 1266 McKinley Road Eau Claire, WI 54703 715-852-6900	**Meadowview Elementary School** 4714 Fairfax Street Eau Claire, WI 54701 715-852-4000	**Memorial High School** 2225 Keith St Eau Claire, WI 54701 715-852-6300
Mike Wilson House 2409 Rudolph Rd Eau Claire, WI 54701 715-838-9967	**Milestone Senior Living- Eau Claire** 5512 Renee Dr Eau Claire, WI 54703 715-210-0178	**Mound View Elementary School** 455 University St Elk Mound, WI 54739 715-879-5744
Natural Resources Conservation 1304 N Hillcrest Pkwy # A Altoona, WI 54720 715-832-6547	**New Hope Inc** 10875 40th Ave Chippewa Falls, WI 54729 715-720-7360	**North High School** 1801 Piedmont Rd Eau Claire, WI 54703 715-852-6600
Northstar Middle School 2711 Abbe Hill Dr Eau Claire, WI 54703 715-852-5100	**Oak Gardens Place** 342 Twin Oak Dr Altoona, WI 54720 715-598-3447	**OakLeaf Surgical Hospital** 1000 OakLeaf Way Altoona, WI 54720 715-831-8130
Oakwood Villa 2512 New Pine Dr Altoona, WI 54720 715-833-0400	**Oakwood Villa** 2512 New Pine Dr Altoona, WI 54720 715-839-7027	**Our House Senior Living- Memory Care** 733 W Hamilton Ave Eau Claire, WI 54701 715-832-3970
Parkview Elementary School 501 Jefferson Ave Chippewa Falls, WI 54729 715-720-3750	**Popular Place** 3012 Milton Rd Eau Claire, WI 54703 715-832-1745	**Putnam Heights Elementary School** 633 W MacArthur Ave Eau Claire, WI 54701 715-852-4200

Rachel's Place Early Learning 2226 Eddy Ln Eau Claire, WI 54703 715-832-1414 ext. 2200	**Real Life Co-Op** 4115 Jeffers Rd Eau Claire, WI 54703 715-835-7622	**Redeemer Christian Preschool** 601 Fall St Eau Claire, WI 54703 715-835-5239
Regis Child Development Center 2114 Fenwick Ave Eau Claire, WI 54701 715-830-2274	**Regis High School** 2100 Fenwick Ave Eau Claire, WI 54701 715-830-2271	**Robins Elementary** 3832 E Hamilton Ave Eau Claire, WI 54701 715-852-4600
Sacred Heart Hospital 900 W Clairemont Ave Eau Claire, WI 54701 715-717-4121	**Saint Charles Borromeo Primary School** 429 W Spruce St Chippewa Falls, WI 54729 715-723-5827	**Sandy's Helping Hands Daycare** 1639 Ludgate St Chippewa Falls, WI 54729 715-723-8168
Shared Blessings Child Development Center 520 E Grand Ave Chippewa Falls, WI 54729 534-220-7051	**Sisters of St Benedict** 2120 Heights Dr Eau Claire, WI 54701 715-852-6221	**Sleepers to Sneakers** 1303 Margaret St Eau Claire, WI 54701 715-834-6794
South Middle School 2115 Mitscher Ave Eau Claire, WI 54701 715-852-5200	**Southview Elementary School** 615 A St Chippewa Falls, WI 54729 715-726-2411	**St Mark's Lutheran School** 3307 State St Eau Claire, WI 54701 715-834-5782
Stay N Play 417 William St Eau Claire, WI 54703 715-833-8331	**Syverson Lutheran Home** 816 Porter Ave Eau Claire, WI 54701 715-832-1644	**The Classic at Hillcrest Greens** 2455 Sawgrass Pl Altoona, WI 54720 715-839-0200
The Kiddie Patch Early Learning Center 4605 London Rd Eau Claire, WI 54701 715-833-9464	**The Learning Tree Child Care Center** 2140 Sherwin Ave Eau Claire, WI 54701 715-834-5439	**University of Wisconsin Eau Claire** 105 Garfield Ave P.O. Box 4004 Eau Claire, WI 54702 715-836-4636
Westridge 3841 96th St Chippewa Falls, WI 54729 715-720-1309	**YMCA-St. Mary's Elementary School** 1828 Lynn Ave Altoona, WI 54720 715-830-2278	**Youthful Minds Learning Center** 827 S Hillcrest Pkwy. Altoona, WI 54720 715-894-7529

C. Vulnerability Zone Map

See maps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10 Mile Buffer
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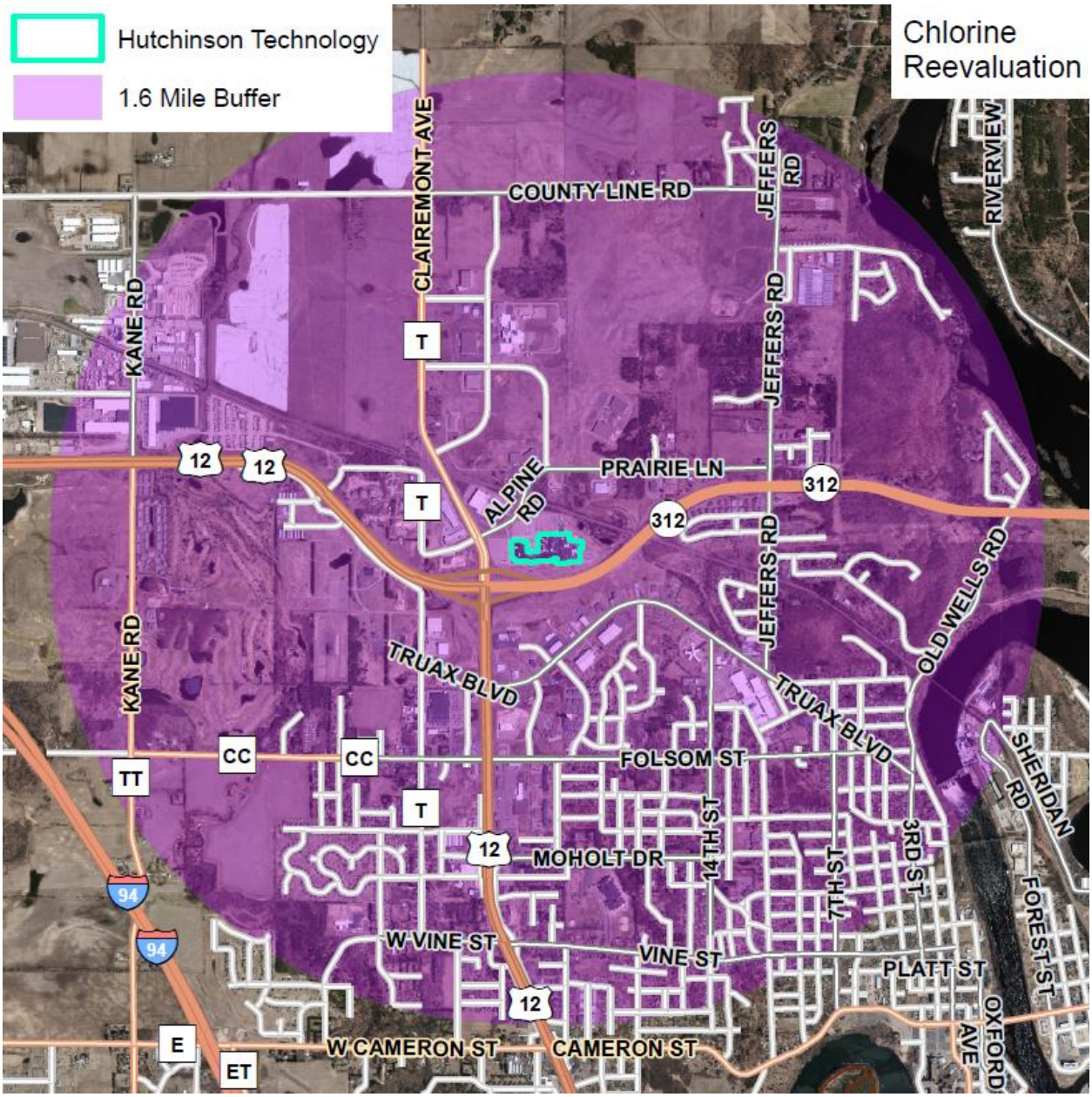
Elk Mound
Eau Claire
Menards
Eau Claire
Altoona
Dunn
Esri, HERE, Garmin, © OpenStreetMap contributors, and the GIS user community, Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community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1.6 Mile Buffer
Chlorine Reevaluation
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JEFFERS RD
RIVERVIEW
KANE RD
PRAIRIE LN
ALPINE RD
312
OLD WELLS RD
TRUAX BLVD
FOLSOM ST
SHERIDAN RD
MOHOLT DR
14TH ST
17TH ST
3RD ST
FOREST ST
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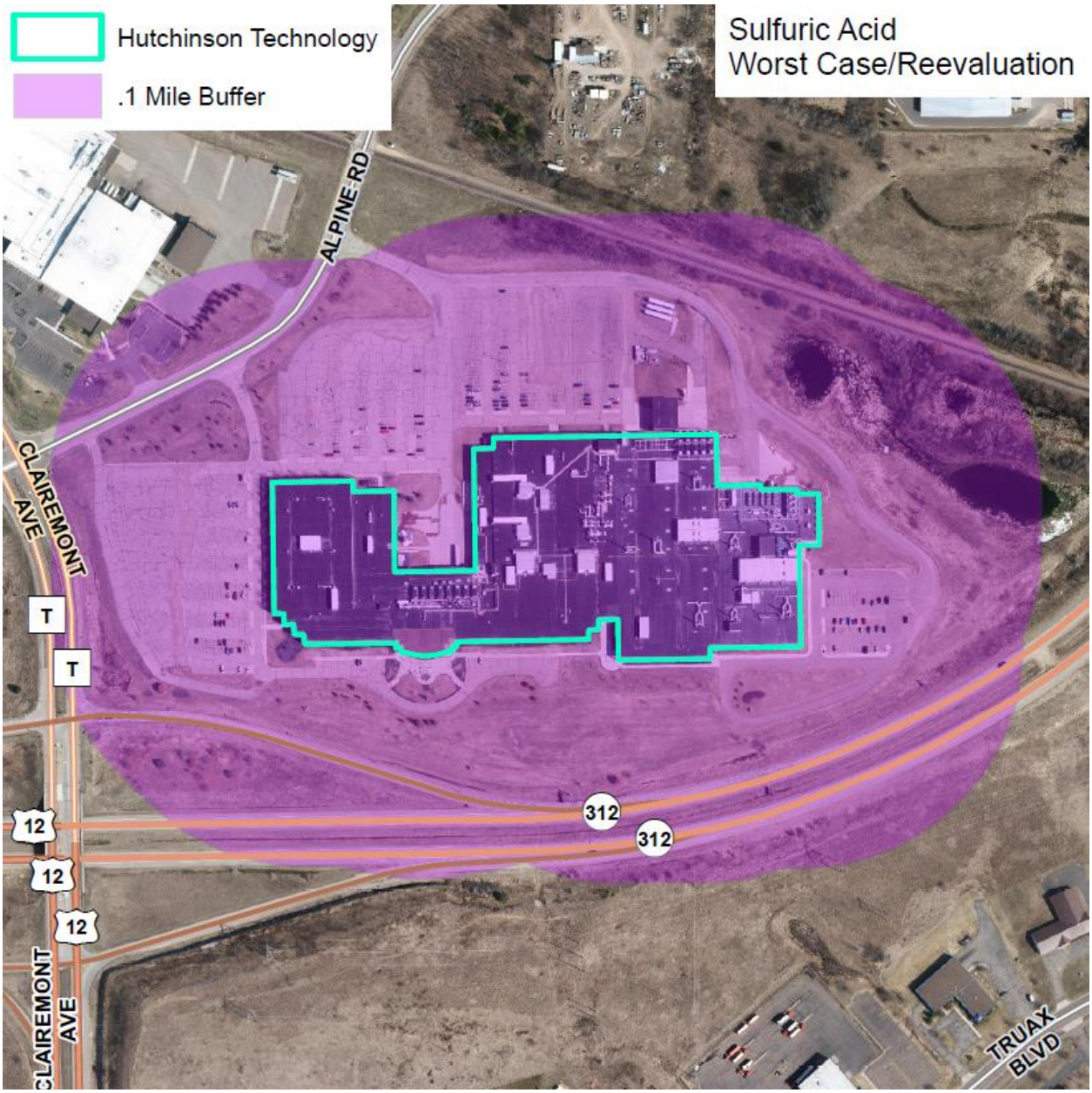
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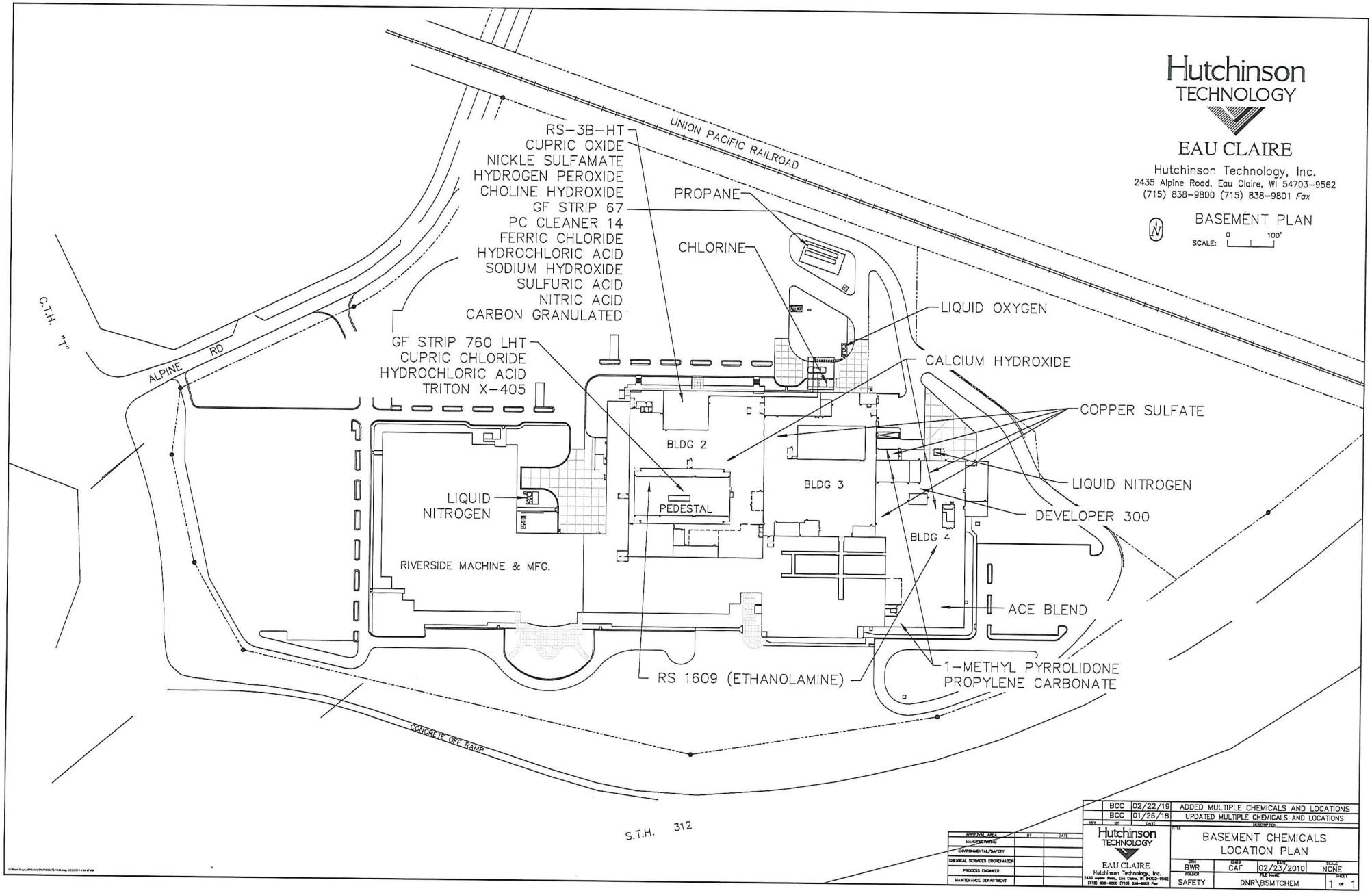
APPENDIX 1: FACILITY LAYOUT



Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product identifier: **CHLORINE, LIQUID**
Synonyms: Chlorine, Chlorine – liquefied gas, Chlorine gas, Chlorine (Liquid or Gas)
Intended use: Water chlorination, water treatment chemicals, chemical synthesis. This material is a registered pesticide.
Uses Advised Against: None identified. This is a pesticide product, do not use in a pesticide application that is not included on the label.

Company Identification:
DPC Industries, Inc.
DPC Enterprises, LP
DXI Industries, Inc.
DX Terminals
PO Box 24600
Houston , TX 77229-4600

Emergency:
CHEMTREC (USA) (800) 424-9300
24 hour Emergency Telephone No. (281) 457-4888
www.dxgroup.com

2. Hazard identification of the product

Physical hazards	Gases under pressure Oxidizing gases	Liquefied gas Category 1
Health hazards	Acute toxicity, inhalation Skin corrosion/irritation Serious eye damage/eye irritation Specific target organ toxicity, single exposure Specific target organ toxicity, repeated	Category 2 Category 1 Category 1 Category 3 Category 1(Lung) exposure
Environmental hazards	Very hazardous to the aquatic environment, acute hazard	Category 1

Label elements
Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows:

Signal Word	**Danger**
Hazard Statements	May cause or intensify fire; oxidizer. Contains gas under pressure; may explode if heated. Fatal if inhaled. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Very toxic to aquatic life with long lasting effects. Harmful in contact with skin. Causes severe skin burns and eye damage. Causes serious eye damage. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects. May be corrosive to metals
Precautionary Statements	
Prevention	Keep / Store away from combustible materials. Keep reduction valves free from grease and oil. Do not breathe mist / vapors / spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves / eye protection / face protection. Wear respiratory protection.
Response	IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor / physician if you feel unwell. IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. Immediately call a POISON CENTER or doctor / physician. If eye irritation persists: Get medical advice / attention. IN CASE OF FIRE: Stop leak if safe to do so.
Storage	Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal	Dispose of contents / container in accordance with local / national regulations.

3. Composition/information on ingredients

Synonyms: Chlorine, Chlorine – liquefied gas, Chlorine gas, Chlorine (Liquid or Gas)
Substance classified with a health or environmental hazard. Substance with a workplace exposure limit.

Ingredient	CAS Number	Percent (%)
Chlorine	7782-50-5	99.5-100

4. First Aid Measures

General	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
Inhalation	Move victim to fresh air. Apply artificial respiration if victim is not breathing. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one- way valve or other proper respiratory medical device. Administer oxygen if breathing is difficult. GET IMMEDIATE MEDICAL ATTENTION
Eyes	Flush immediately with clean fresh water for at least 10 minutes, holding the eyelids apart. Remove contact lenses, if present, and safe to do so. Continue rinsing. GET IMMEDIATE MEDICAL ATTENTION.
Skin	In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Exposure to liquid may cause frostbite burns. Remove contaminated clothing, jewelry and shoes. Wash skin with soap and water. Thoroughly clean and dry contaminated clothing and shoes before reuse. GET IMMEDIATE MEDICAL ATTENTION
Ingestion	If accidentally swallowed obtain IMMEDIATE MEDICAL ATTENTION. Keep at rest. Do NOT induce vomiting. Ingestion not considered a likely route of exposure.
Most important symptoms and effects, both acute and delayed	
Overview	Contact with this material will cause burns to the skin, eyes and mucous membranes. Unconsciousness. Cough, shortness of breath, headache, nausea, vomiting. May cause lung damage.
Indication of immediate medical attention and special treatment needed	For liquid contact, treat the affected person for frostbite if necessary. If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately. Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

5. Fire-fighting measures

Recommended Extinguishing media	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media	Direct water spray. Direct water spray jet.
Special hazards arising from the substance or mixture	May cause fire or explosion; strong oxidizer. Contents under pressure. Pressurized container may explode when exposed to heat or flame. Contact with reactive metals e.g., aluminum, zinc and tin may result in the generation of flammable hydrogen gas. Water used for fire extinguishing, which has been in contact with the product, may be corrosive. Water spray on active leak may promote accelerated corrosion of container and accelerate rate of leakage.
Advice for fire-fighters	Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Additional protective clothing must be worn to prevent personal contact with this material. Those items include but are not limited to: boots gloves, hard hat, splash-proof goggles, full face shield and impervious clothing, i.e. chemically impermeable suit. Compatible materials for response to this material are neoprene and butyl rubber. In case of fire and/or explosion do not breathe fumes. Remove pressurized gas cylinders from the immediate vicinity. Cylinders can burst violently when heated, due to excess pressure build-up. Cool containers / tanks with water spray. Evacuate area and fight fire remotely due to the risk of explosion. **ERG Guide No. 124**

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Immediately evacuate personnel to safe areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Keep people away from and upwind of spill/leak. Keep out of low areas. Keep unnecessary personnel away. Ventilate closed spaces before entering them. Wear appropriate protective equipment and clothing during clean-up. Local authorities should be advised if significant spillages cannot be contained. For response to Chlorine gas it is recommended to use as a minimum level "B " protection that is compatible to Chlorine. For Liquid spills it is recommended to utilize as a minimum enhanced level "B" (Enhanced Level "B" is the addition of a splash hood). Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Responders can reference Chlorine Institute pamphlet #65 on PPE.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground. Contact local authorities in case of spillage to drain/aquatic environment.
Methods and material for containment and cleaning up	Extinguish all flames in the vicinity. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Ventilate well, stop flow of gas or liquid if possible. If possible, turn leaking containers so that gas escapes rather than liquid. Dike far ahead of spill for later disposal. Isolate area until gas has dispersed. Neutralize spilled material with crushed limestone, soda ash or lime. Collect spillage.

7. Handling and storage

Precautions for safe handling	Avoid heat, sparks, open flames and other ignition sources. Keep away from clothing and other combustible materials. Use only chlorine-compatible lubricants. Do not use greases and oils. Do not breathe gas. Do not get in eyes, on skin, on clothing. Use in a sealed system and/or a well-ventilated area. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment.
Conditions for safe storage, including any incompatibilities	Contents under pressure. Keep away from heat, sparks and open flame. Secure cylinders in an upright position at all times, close all valves when not in use. Store in a well-ventilated place. Store away from incompatible materials. Store at temperatures not exceeding 131 °F (55°C) For the above specified temperature the system pressure is 225 psig.

8. Exposure controls and personal protection

Exposure Control Parameters

CAS No.	Material	Source	Type	Value
7782-50-5	Chlorine	OSHA Table Z-1 Limits	Ceiling	3 mg/m3
		US ACGIH Threshold limit values	STEL	1 ppm
		US ACGIH Threshold limit values	TWA	0.5 ppm

Engineering Controls	Should be handled in closed systems, if possible. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn. Observe Occupational Exposure Limits and minimize the risk of inhalation. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Respiratory	Use NIOSH/MSHA approved respirator, following manufacturer's recommendations when concentrations exceed permissible exposure limits.
Eyes	Wear face shield with safety glasses with side shields and/or safety goggles.
Skin	Chemical resistant clothing such as coveralls/apron boots should be worn. Chemical Impervious gloves.
Other Work Practices	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

9. Physical and chemical properties

Appearance:	Amber Color Liquid. Greenish-Yellow Gas
Odor:	Pungent Irritating Odor
Odor threshold:	.31 ppm air 1.7
pH:	Not Applicable
Melting point / freezing point:	-150 °F (-101 °C)
Initial boiling point and boiling range:	-29.3 °F (-34 °C)
Flash Point:	Not Applicable
Evaporation rate (Ether = 1):	Not Available
Flammability (solid, gas):	Not Applicable
Upper/lower flammability or explosive limits:	**Lower Explosive Limit:** Not Applicable
	Upper Explosive Limit: Not Applicable
Vapor pressure (mmHg):	4800 mmHg (@25 °C)
Vapor Density:	2.49
Specific Gravity:	1.4
Solubility in Water:	Negligible
Partition coefficient n-octanol/water (Log Kow):	Not Measured
Auto-ignition temperature (°C):	Not Measured
Decomposition temperature:	Not Measured
Viscosity (cSt):	Not Measured
VOC %:	Not Measured
Other information:	No other relevant information.

10. Stability and reactivity

Reactivity:	Oxidizer.
Chemical stability:	Stable under normal circumstances.
Possibility of hazardous reactions:	Dry material is highly reactive with titanium and tin. Reacts with most metals at high temperatures or in the presence of moisture. Avoid contact with water. Reacts with water to form corrosive acidic solution (hydrochloric acid) May react explosively with organic matter.
Conditions to avoid:	No data available
Incompatible materials:	Avoid contact with reducing agents, organics and alkalis. Keep away from materials such as acetylene, turpentine & other hydrocarbons, ammonia, hydrogen, ether, metals, sulfur, & aluminum.
Hazardous decomposition products:	Hydrogen chloride and hypochlorous acid.

11. Toxicological information

Acute toxicity

Ingredient	Results	Species	Dose	Exposure
Chlorine - (7782-50-5)	LC50 Inhalation Gas.	Rat	147 ppm	4 hours
	LC50 Inhalation	Rat	293 ppm	1 hour

Item	Hazard
Acute Toxicity:	0.2 - 0.4 ppm odor detection (some tolerance develops) 1 - 3 ppm mild mucous membrane irritation (can be tolerated ~ 1 hour) 5 - 15 ppm moderate irritation of upper respiratory tract 30 ppm immediate chest pain, vomiting, dyspnea, cough 40 - 60 ppm toxic pneumonitis and pulmonary edema 430 ppm lethal over 30 minutes 1000 ppm fatal within a few minutes It's action in the respiratory tract is due to its strong oxidizing capability; it forms both hypochlorous acid and hypochloric acid on contact with moist mucous membranes. Symptoms of pulmonary congestion and edema may develop after a latency period of several hours following severe acute exposure to chlorine.

11. Toxicological information

Acute toxicity (Cont.)

POTENTIAL HEALTH EFFECTS:

Information on likely routes of exposure	
Eye contact:	Causes serious eye damage. Liquid exposure may cause frostbite.
Skin contact:	Causes skin burns. Liquid exposure may cause frostbite.
Inhalation:	May cause irritation (possibly severe), chemical burns, and pulmonary edema. Significant exposures may be fatal.
Ingestion:	Causes digestive tract burns.
Signs and symptoms of exposure:	Contact with this material will cause burns to the skin, eyes and mucous membranes. Cough, shortness of breath, headache, nausea, vomiting. May cause lung damage. Unconsciousness.
Information on toxicological effects	
Acute toxicity:	Fatal if inhaled. Irritation Threshold: approximately 0.5 ppm Immediately Dangerous to Life or Health: 10.0 ppm.
Carcinogenicity:	Not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.
Reproductive Toxicity:	No data available.
Specific target organ systemic toxicity (single exposure):	Not available.
Specific target organ systemic Toxicity (repeated exposure):	Causes damage to organs (lungs) through prolonged or repeated exposure.
Aspiration hazard:	Due to the physical form of the product it is not an aspiration hazard.

12. Ecological information

Toxicity

Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Chlorine - (7782-50-5)	14.00, Oncorhynchus mykiss	0.11, Daphnia pulex	0.76 (96 hr), Algae

Persistence and degradability:	This material is an element and not subject to biodegradation.
Bioaccumulative potential:	Will not bioaccumulate.
Mobility in soil:	No data available.
Results of PBT and vPvB assessment:	This product contains no PBT/vPvB chemicals.
Other adverse effects:	No other effects are expected.

13. Disposal considerations

Waste treatment methods:	Do not allow into drains or water courses. Wastes and emptied containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act. Using information provided in this data sheet, advice should be obtained from the Waste Regulation Authority, whether the special waste regulations apply.
Waste from material:	Use or process if possible. Chlorine may be absorbed into an alkaline solution such as caustic soda, soda ash or hydrated lime. Dispose in accordance with all applicable regulations.
Container Management:	Return empty chlorine cylinders, tankcars and cargo tanks containing residual gas and/or liquid to supplier in compliance with applicable DOT regulations. See product label for container disposal information.

14. Transport information

UN number:	UN1017
UN proper shipping name:	Chlorine
Transport hazard class(es)	
DOT (Domestic Surface Transportation)	
DOT Proper Shipping Name:	Chlorine
DOT Hazard Class **DOT Label:**	2.3, (5.1, 8) 2.3, 5.1, 8
UN / NA Number:	UN1017
DOT Packing Group:	Not Applicable
CERCLA/DOT RQ:	10 lbs.
Environmental hazards:	IMDG Marine Pollutant: Yes (Chlorine)
Special precautions for user:	Not Applicable

15. Regulatory information

Regulatory Overview:	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory.			
WHMIS Classification:	A - Compressed Gas C - Oxidizing Material D1A - Poisonous and Infectious Material; Materials causing immediate and serious toxic effects - Very toxic material E - Corrosive material			
OSHA REGULATORY STATUS:	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)			
US EPA Tier II Hazards:	**Fire:**	No	**Immediate (Acute):**	Yes
	Sudden Release of Pressure:	Yes	**Delayed (Chronic):**	Yes
	Reactive:	Yes		
SARA 302 Extremely Hazardous Substance / RQs (lbs.) :	Yes (10-lbs)			
SARA 311/312 Chemicals and RQs (lbs.) (>0.1%) :	Yes			
SARA 313 (TRI)	Yes			
OSHA PSM (29 cfr 1910.119):	Yes (2500-lbs)			
TSCA:	Chlorine			

State Regulations:	**N.J. RTK Substances (>1%)**	Listed	**Penn RTK Substances (>1%)**	Listed	**California Prop 65**	Not Listed

16. Other information

EPA Registration Number: 813-10

NSF Maximum Use Level (STD 60): Check BOL for facility Data. (30 mg/L)

Revision Information: This is the first revision of this SDS format, changes from previous revision not applicable.

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

THE USER IS CAUTIONED TO PERFORM HIS OWN HAZARD EVALUATION AND TO RELY ON HIS OWN DETERMINATIONS.

SAFETY DATA SHEET

Version 1

1. Identification of the Substance / Preparation and of the Company / Undertaking

Product Name: Sulfuric Acid PC Grade 96%
UN/ID No UN-1830
Synonyms: Oil of vitriol; Sulphuric acid
Formula: H_2SO_4
Molecular Weight: 98.07

Company Name:
Hawkins, Inc. 3100 E. Hennepin Avenue Minneapolis, MN 55413 (612-331-6910)

Emergency Telephone:
CHEMTREC (US): 1-800-424-9300

2. Hazards Identification

GHS - Classification

Acute toxicity - Inhalation (Dusts/Mists)	Category 2
Skin corrosion/irritation	Category 1 Category 1A
Serious eye damage/eye irritation	Category 1
Carcinogenicity:	Category 1B
Specific target organ toxicity (single exposure)	Category 1
Specific target organ toxicity (repeated exposure)	Category 1

Signal Word: **Danger**
Hazard Statements:
• Fatal if inhaled
• Causes severe skin burns and eye damage
• May cause cancer
• Causes damage to organs
• Causes damage to organs through prolonged or repeated exposure
Physical Hazards

Corrosive to metals	Category 1

• May be corrosive to metals

Precautionary Statements:
• P271 - Use only outdoors or in a well-ventilated area
• P284 - Wear respiratory protection
• P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
• P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting
• P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
• P363 - Wash contaminated clothing before reuse
• P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
• P280 - Wear protective gloves/protective clothing/eye protection/face protection
• P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
• P310 - Immediately call a POISON CENTER or doctor/physician
• P201 - Obtain special instructions before use
• P202 - Do not handle until all safety precautions have been read and understood
• P281 - Use personal protective equipment as required
• P308 + P313 - IF exposed or concerned: Get medical advice/attention
• P307 + P311 - IF exposed: Call a POISON CENTER or doctor/physician
• P321 - Specific treatment (see supplemental first aid instructions on this label)
• P405 - Store locked up
• P260 - Do not breathe dust/fume/gas/mist/vapors/spray
• P264 - Wash face, hands and any exposed skin thoroughly after handling
• P270 - Do not eat, drink or smoke when using this product
• P314 - Get medical advice/attention if you feel unwell
• P501 - Dispose of contents/ container to an approved waste disposal plant
• P334 - Immerse in cool water/wrap in wet bandages
• P390 - Absorb spillage to prevent material damage
• P406 - Store in corrosive resistant aluminum container with a resistant inliner

3. Composition / Information on Ingredients

Hazardous

Chemical Name	CAS No	Weight-%	EC No
Sulfuric acid	7664-93-9	96	231-639-5

Non-Hazardous

Chemical Name	CAS No	Weight-%	EC No
Water	7732-18-5	4	231-791-2

4. First Aid Measures

General Advice: Immediate medical attention is required.

Eye Contact: Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.

Skin Contact: Immediate medical attention is required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Inhalation: Move to fresh air. Call a physician or poison control center immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: Immediate medical attention is required. Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Remove from exposure, lie down. Clean mouth with water and drink afterwards plenty of water. Call a physician or poison control center immediately.

Note to Physicians: Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Treat symptomatically.

Self-protection of the First Aider: Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

5. Fire-fighting Measures

Flammable Properties:
Concentrated material is a strong dehydrating agent; Reacts with organic materials and may cause ignition of finely divided materials on contact

Explosive Properties:
Contact with metals may evolve flammable hydrogen gas

Suitable Extinguishing Media:
Dry chemical; Foam; Carbon dioxide (CO_2); Water spray may be used to keep fire exposed containers cool

Unsuitable Extinguishing Media:
DO NOT USE WATER

Specific Hazards Arising from the Chemical:
The product causes burns of eyes, skin and mucous membranes; Thermal decomposition can lead to release of irritating and toxic gases and vapors; In the event of fire and/or explosion do not breathe fumes

Protective Equipment and Precautions for Firefighters:
In the event of a fire, wear full protective clothing and MSHA/NIOSH (approved or equivalent) self-contained breathing apparatus with full facepiece operated in the pressure-demand or other positive pressure mode; Structural firefighter's protective clothing is ineffective for fires involving this material; Sealed containers may rupture when heated

6. Accidental Release Measures

Personal Precautions: Evacuate personnel to safe areas. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak.

Environmental Precautions: Do not allow into any sewer, on the ground or into any body of water. Should not be released into the environment. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods for Cleaning Up: Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Prevent product from entering drains. Dam up. After cleaning, flush away traces with water.

Other Information: Not applicable.

7. Handling and Storage

Advice on Safe Handling: Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Use only with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Use only with adequate ventilation and in closed systems.

Storage Conditions: Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers.

Incompatible Materials: Strong acids and bases; Oxidizing agents; Water; Lithium; Organic materials; Halogens; Metals; Strong reducing agents

8. Exposure Controls / Personal Protection

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	Ontario TWA
Sulfuric acid	TWA: 0.2 mg/m³ thoracic fraction	1 mg/m³ TWA	TWA: 0.2 mg/m³

Chemical Name	European Union	China	Japan	Korea	Australia	Taiwan
Sulfuric acid		TWA: 1 mg/m³ STEL: 2 mg/m³	Ceiling: 1 mg/m³	STEL: 0.6 mg/m³ TWA: 0.2 mg/m³	1 mg/m³ 3 mg/m³ STEL	TWA: 1 mg/m³

Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992)

Engineering Controls: Ensure adequate ventilation, especially in confined areas

Personal protective equipment (PPE)

Eye/Face Protection: Tight sealing safety goggles. Face protection shield.

Body Protection: Gloves made of plastic or rubber. Rubber boots. Suitable protective clothing. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear chemical resistant clothing such as gloves, apron, boots or whole bodysuits made from neoprene, as appropriate.

General Hygiene Considerations:

Wash contaminated clothing before reuse. When using do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Take off all contaminated clothing and wash it before reuse. Wear suitable gloves and eye/face protection.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical State:	Liquid		
Appearance:	Oily liquid	**Odor:**	Odorless
Color:	Clear	**Odor Threshold:**	No information available

Property	Values	Remarks • Method
pH:		No information available
"Salt Out" Point (°F):		No information available
Melting Point/Freezing Point:	-32 °C / -26 °F	
Boiling Point/Boiling Range:	276 °C / 529 °F	
Flash Point:		No information available
Evaporation Rate (BuAc=1):		No information available
Flammability (solid, gas):		No information available
Flammability Limits in Air:		No information available
Upper Flammability Limit:		
Lower Flammability Limit:		
Vapor Pressure (mm Hg) :		No information available
Vapor density (Air =1)		No information available
Specific Gravity (H_2O=1):	1.8354	
Specific Gravity (2nd value):		
Water Solubility:	Freely soluble in water with heat liberation.	
Solubility(ies):		No information available
Partition Coefficient (n-octanol/water)		No information available
Autoignition Temperature:		No information available
Decomposition Temperature:		No information available
Kinematic Viscosity:		No information available
Dynamic Viscosity:		No information available
Oxidizing Properties:	No information available	
Explosive Properties:	Contact with metals may evolve flammable hydrogen gas	

9.2. Other information

Softening Point:	No information available
Molecular Weight:	98.07
VOC Content(%):	No information available
Density:	No information available
Bulk Density:	No information available

10. Stability and Reactivity

Stability: Stable under normal conditions of use and storage; Releases heat and toxic, irritating vapors when mixed with water

Conditions to Avoid: Exposure to air or moisture over prolonged periods; Incompatibles; Heat

Incompatible Materials: Strong acids and bases; Oxidizing agents; Water; Lithium; Organic materials; Halogens; Metals; Strong reducing agents

Hazardous Decomposition Products: Thermal decomposition can lead to release of irritating and toxic gases and vapors; Carbon dioxide (CO_2); Sulfur oxides; Hydrogen cyanide; Hydrogen sulfide

Possibility of Hazardous Reactions: None under normal processing

11. Toxicological Information

Product Information

Acute Toxicity: 0% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document

Chemical Name	Oral LD_{50} :	Dermal LD_{50} :	LC_{50} (Lethal Concentration):
Sulfuric acid	2140 mg/kg (Rat)		347 ppm (Rat) 1 h 510 mg/m^3 (Rat) 2 h
Water	90 mL/kg (Rat)		

Chronic Toxicity:

Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	IARC
Sulfuric acid	1

IARC (International Agency for Research on Cancer)
Group 1 - Carcinogenic to Humans

Target Organ Effects: Eyes, Respiratory system, Skin, Teeth

12. Ecological Information

Ecotoxicity

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Sulfuric acid		*500: 96 h Brachydanio rerio mg/L LC50 static*	*29: 24 h Daphnia magna mg/L EC50*

Ceriodaphnia dubia Acute Toxicity Evaluation:	93 - 100% Sulfuric Acid: 48-hour NOEC: 50 ppm, 48-hour LOEC: 100 ppm, 48-hour LC_{50}: 70.71 ppm
Persistence and Degradability:	No information available.
Bioaccumulation:	No information available.
Mobility:	No information available.

13. Disposal Considerations

Waste from Residues/Unused Products:	Disposal should be in accordance with applicable regional, national and local laws and regulations
Contaminated Packaging:	Do not reuse container.

14. Transport Information

IATA

DOT

Proper shipping name	Sulfuric Acid
Hazard Class	8
UN/ID No	UN-1830
Packing Group	II
Description	UN1830, SULFURIC ACID, 8, PG II

TDG

MEX

15. Regulatory Information

International Inventories

All of the components in the product are on the following Inventory lists: TSCA (United States):, Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Australia (AICS), South Korea (KECL):, China (IECSC), Philippines (PICCS),
This product contains a substance not listed on international inventories - it is for research and development use only.

AICS	Complies
TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	-
IECSC	Complies
KECL	Complies
PICCS	Complies

Chemical Name	AICS	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS
Sulfuric acid	Listed	Listed	Listed	-	Listed	-	(1)-724 (1)-430	Listed	KE-32570	Present
Water	Listed	Listed	Listed	-	Listed	-	-	Listed	KE-35400	Present

Inventory Legend

AICS - Australian Inventory of Chemical Substances
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances

RESTRICTIONS - REACH TITLE VII No information available

US Federal Regulations

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	CERCLA Hazardous Substances and the Reportable Quantities	SARA Extremely Hazardous Substances EPCRA RQ	SARA Extremely Hazardous Substances TPQ
Sulfuric acid	1000 lb 454 kg	1000 lb EPCRA RQ	1000 lb TPQ

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
Sulfuric acid	1.0

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic health hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	Yes

U.S. State Right-to-Know Regulations

California Proposition 65:

This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65:
Sulfuric acid	Carcinogen

16. Other Information

National Fire Protection Association (NFPA) Ratings

Prepared By:	Adam Peterson, Rob Kelley, Andrew Morabu and Todd Bain from the HSE department.
Issue Date:	22-Feb-2013
Revision Date:	22-Feb-2013
Revision Note:	MSDS converted to GHS SDS Format.

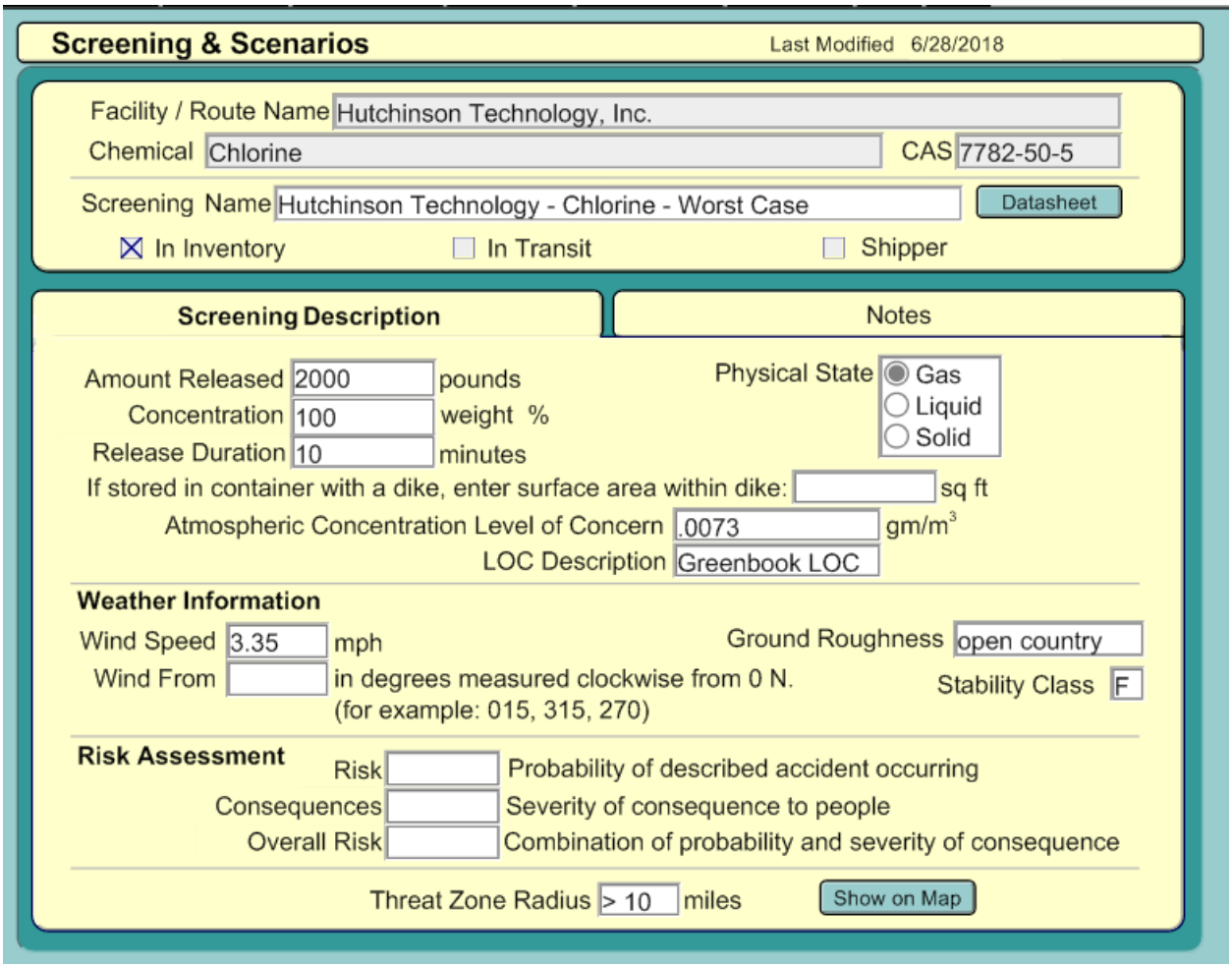
Disclaimer:

Please be advised that it is your responsibility to inform your employees of the hazards of this substance, to advise them of what these properties mean and be sure they understand exposure information. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.

The information presented herein, while not guaranteed, was prepared by competent technical personnel and is true and accurate to the best of our knowledge. No warranty or guaranty, express or implied, is made regarding performance, stability, or otherwise. This information is not intented to be all-inclusive as to the manner and conditions of use, handling, and storage. Other factors may require additional safety or performance considerations. While our technical personnel will be happy to respond to questions regarding safe handling and use procedures, the handling and use remains the responsibility of the consumer. No suggestions are intended as, and should not be constructed as, a recommendation to infringe on any existing patents or to violate any Federal, State, or local laws.

End of Safety Data Sheet

APPENDIX 3: CAMEO CALCULATIONS



Screening & Scenarios Last Modified 6/28/2018

Facility / Route Name: Hutchinson Technology, Inc.

Chemical: Chlorine CAS: 7782-50-5

Screening Name: Hutchinson Technology - Chlorine - Worst Case [Datasheet]

☒ In Inventory ☐ In Transit ☐ Shipper

Screening Description | Notes

Amount Released: 2000 pounds

Concentration: 100 weight %

Release Duration: 10 minutes

Physical State: ◉ Gas ○ Liquid ○ Solid

If stored in container with a dike, enter surface area within dike: sq ft

Atmospheric Concentration Level of Concern: .0073 gm/m^3

LOC Description: Greenbook LOC

Weather Information

Wind Speed: 3.35 mph

Wind From: in degrees measured clockwise from 0 N. (for example: 015, 315, 270)

Ground Roughness: open country

Stability Class: F

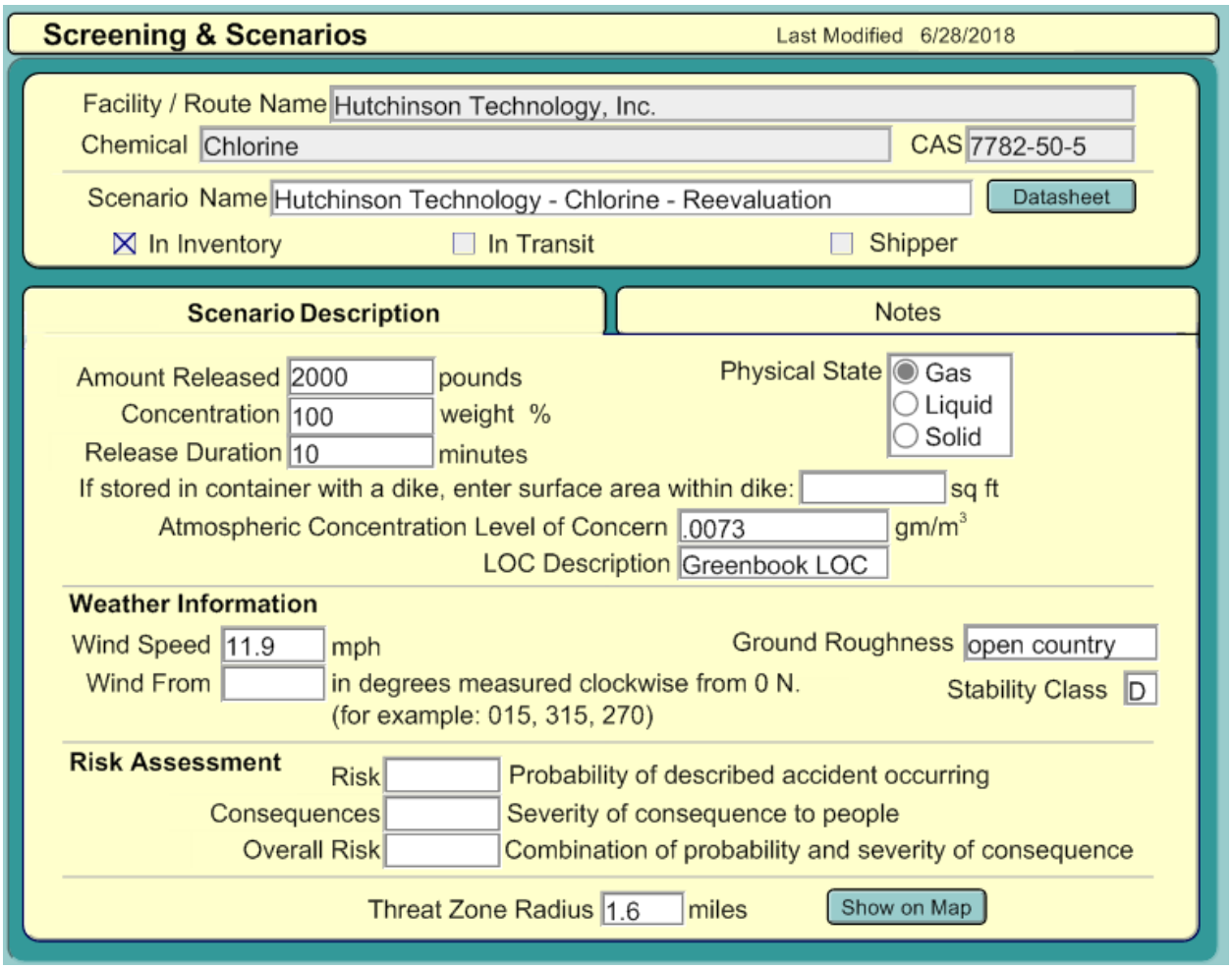
Risk Assessment

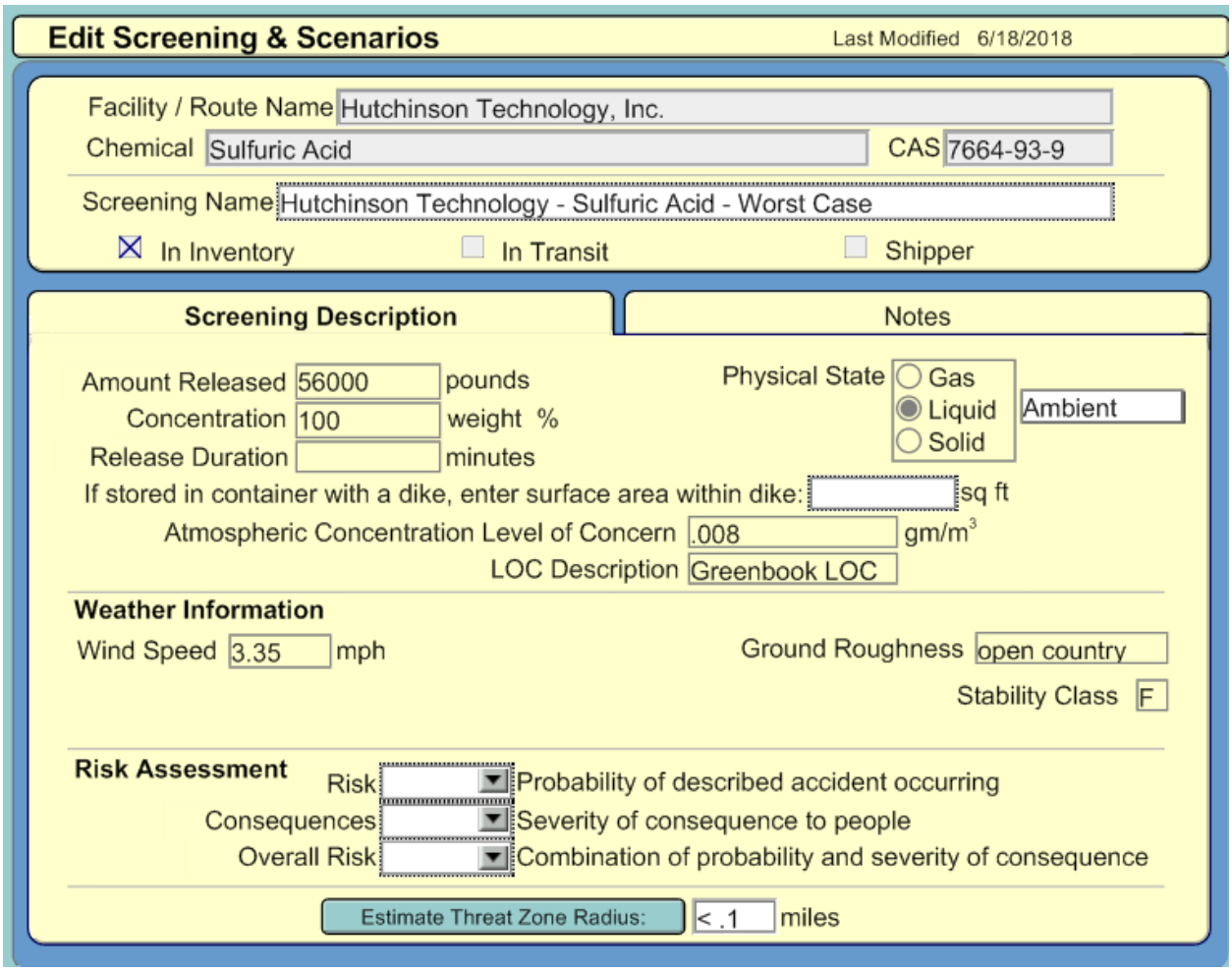
Risk: Probability of described accident occurring

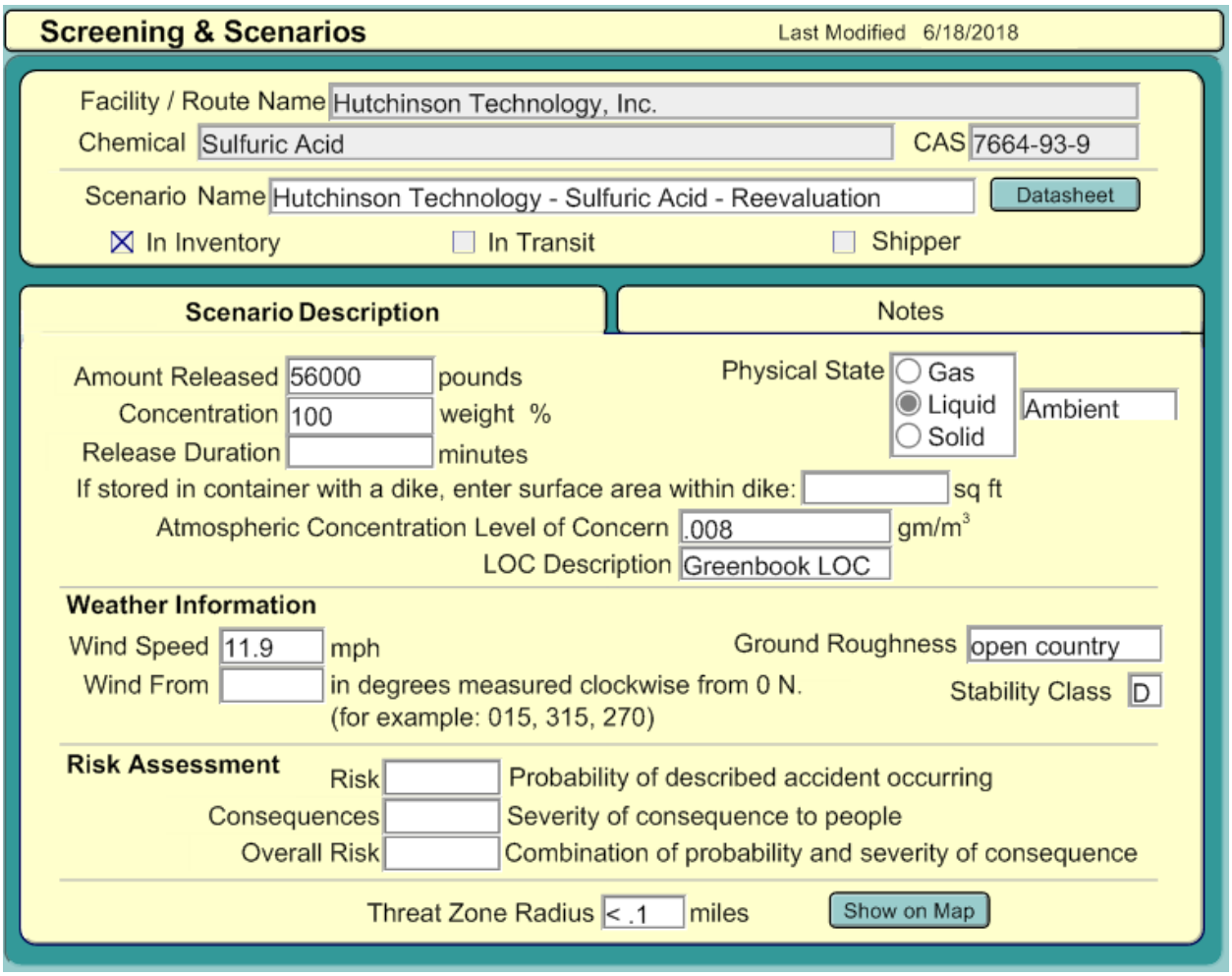
Consequences: Severity of consequence to people

Overall Risk: Combination of probability and severity of consequence

Threat Zone Radius: > 10 miles [Show on Map]


Screening & Scenarios
Last Modified 6/28/2018
Facility / Route Name Hutchinson Technology, Inc.
Chemical Chlorine
CAS 7782-50-5
Scenario Name Hutchinson Technology - Chlorine - Reevaluation
Datasheet
In Inventory
In Transit
Shipper
Scenario Description
Notes
Amount Released 2000 pounds
Concentration 100 weight %
Release Duration 10 minutes
Physical State Gas Liquid Solid
If stored in container with a dike, enter surface area within dike: sq ft
Atmospheric Concentration Level of Concern .0073 gm/m3
LOC Description Greenbook LOC
Weather Information
Wind Speed 11.9 mph
Wind From in degrees measured clockwise from 0 N.
(for example: 015, 315, 270)
Ground Roughness open country
Stability Class D
Risk Assessment
Risk Probability of described accident occurring
Consequences Severity of consequence to people
Overall Risk Combination of probability and severity of consequence
Threat Zone Radius 1.6 miles
Show on Map


Edit Screening & Scenarios
Last Modified 6/18/2018
Facility / Route Name Hutchinson Technology, Inc.
Chemical Sulfuric Acid
CAS 7664-93-9
Screening Name Hutchinson Technology - Sulfuric Acid - Worst Case
In Inventory
In Transit
Shipper
Screening Description
Notes
Amount Released 56000 pounds
Concentration 100 weight %
Release Duration minutes
Physical State Gas Liquid Solid
Ambient
If stored in container with a dike, enter surface area within dike: sq ft
Atmospheric Concentration Level of Concern .008 gm/m3
LOC Description Greenbook LOC
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 consequence to people
Overall Risk Combination of probability and severity of consequence
Estimate Threat Zone Radius:
< .1 miles


Screening & Scenarios
Last Modified 6/18/2018
Facility / Route Name Hutchinson Technology, Inc.
Chemical Sulfuric Acid
CAS 7664-93-9
Scenario Name Hutchinson Technology - Sulfuric Acid - Reevaluation
Datasheet
In Inventory
In Transit
Shipper
Scenario Description
Notes
Amount Released 56000 pounds
Concentration 100 weight %
Release Duration minutes
Physical State Gas Liquid Solid
Ambient
If stored in container with a dike, enter surface area within dike: sq ft
Atmospheric Concentration Level of Concern .008 gm/m3
LOC Description Greenbook LOC
Weather Information
Wind Speed 11.9 mph
Wind From in degrees measured clockwise from 0 N.
(for example: 015, 315, 270)
Ground Roughness open country
Stability Class D
Risk Assessment
Risk Probability of described accident occurring
Consequences Severity of consequence to people
Overall Risk Combination of probability and severity of consequence
Threat Zone Radius < .1 miles
Show on Map

HAZARDOUS WASTE CONTINGENCY PLAN

AND

EMERGENCY PROCEDURES

FOR: HUTCHINSON TECHNOLOGY
2435 ALPINE ROAD
EAU CLAIRE, WISCONSIN 54703-9562

EPA GENERATOR I.D.: WIR000002480

February 28, 2018

This contingency plan for hazardous waste releases is submitted in compliance with the Code of Federal Regulations 40 Part 265 Subpart D and NR 630.22. This plan covers nine areas:

I. Contingency Plan Overview and General Information

II. Emergency Coordinators

III. Hazardous Materials On-site

IV. Emergency Response Procedures

V. Arrangements with Local Emergency Response Services

VI. Emergency Equipment

VII. Coordination Agreements

VIII. Evacuation Plan

IX. Required Reports and Plan Training

I. Contingency Plan Overview and General Information

The contingency plan for the Hutchinson Technology, Inc. (HTI) Eau Claire, WI facility is designed to minimize hazards to human health or the environment in the event of fire, explosion or any unplanned release of hazardous waste or hazardous waste constituents to air, soil, or surface water (40 CFR 264.51). The provisions of the plan must be carried out immediately whenever a fire, explosion, or release of hazardous waste or hazardous waste constituents could threaten human health and the environment. This plan is contained within the umbrella of the site's Disaster Recovery.

The Hutchinson Technology Eau Claire, WI Facility Contingency Plan is activated by conducting the following:

1. **Follow** the Emergency Response Procedures listed in Section IV, using evacuation plans (Section VIII) and emergency equipment (Section VI) as needed if there is a fire, explosion or release of hazardous chemicals/wastes listed in Section III.

2. **Contact** the appropriate Emergency Coordinators (Section II) and Local Emergency Response Service providers (Sections II and VII) and, where necessary, site cleanup work (Section V).

3. **File** the appropriate reports as described in Section IX.

General Facility Information:

A. Name: Hutchinson Technology

B. Location: 2435 Alpine Road
Eau Claire, WI 54703

C. Managing Dir., VP of Operations: Winthrop Giles

D. Type of Facility: **Large Quantity Generator (LQG):** 90 days or less storage facility for hazardous wastes generated from the manufacturing process of micro-electronic devices, computer suspension assembly units, and in related research and development activities.

II. Emergency Coordinators

A. Emergency Coordinator:
Name: Thomas Lochner
Position: Environmental Engineer
Work Phone: 715-830-7098
24 Hr Phone: 715 820-6000

B. Alternate Emergency Coordinator:
Name: Emily Nicolai
Position: Chemical Laboratory Supervisor
Work Phone: 715-838-9800 ext. 4434

C. Internal Emergency Telephone Numbers:

Emergency Brigade: 4911 (Internal Phones)
Site Intercom 6500

NOTE: Remember, dialing an outside line, including 911, you must proceed with a 9 first.

1. **Police 9-911**
2. **Fire 9-911**
3. **Ambulance 9-911**
4. WI Emergency Management (24 Hr) …… 9-1-800-943-0003
5. National Response Center (24 Hr) …… 9-1-800-424-8802
6. EPA Region 5 Administrator …… 9-1-312-886-3000
7. City of Eau Claire Public Utilities (Wastewater)… 9-1-715-839-5045
8. Eau Claire County EM Coordinator ……. 9-1-715-839-4736
9. Local Hospitals
   - Sacred Heart Hospital
     - General Information 9-715-717-4121
     - 24-Hour Emergency Center 9-715-717-4222
   - Mayo Clinic Health System – Eau Claire Hospital
     - General Information 9-715-838-3311
     - Emergency Department 9-715-838-3242
11. Poison Control Center 9-1-800-222-1222
12. Chemtrec (Emergency Chemical Info) 9-1-800-424-9300

13. Emergency Response Contractor (Hazardous Waste Site Clean-up)

Name: Bay West
Address: Five Empire Drive
St. Paul, MN 55103-1867
Telephone: (800) 279-0456 or (651) 291-0456

III. Hazardous Materials On-site

The provisions of the plan will be carried out immediately at the facility whenever there is a fire, explosion, or a release of a hazardous material which could threaten human health or the environment.

Potential Hazardous Wastes

Hazardous Waste	Federal Reportable Quantity*
1. Acetone/IPA or other ignitable wastes (F003 &D001)	5000
2. Wastes containing Cyanide (F007)	10
3. Gold Filters and Resin waste (F006)	10
4. Sulfuric Acid Bath or other acidic wastes (D002)	100
5. Caustic wastes (pH > or equal to 12.5) (D002)	100
6. Other Reactive or Toxic Wastes: (D003, F008, D009)	Varies

Potential Other Hazardous Materials

Hazardous Material	Federal Reportable Quantity*
A. Chlorine Gas	10
B. Liquid Nitrogen	[none]
D. Ferric Chloride	1000
E. Cupric Chloride	10
F. Sulfuric Acid	1000
G. Hydrochloric Acid	5000
H. Nitric Acid	1000
I. Sodium Hydroxide	1000
J. Hydrogen Peroxide	1000
M. Oxygen	[none]
N. Argon	[none]
O. Potassium Permanganate	100

***Quantities are in pounds**

IV. Emergency Response Procedures

The emergency procedures required in the event of a spill, fire, explosion, or other incident that could release hazardous material into the air, soil, or surface water are as follows:

A. Notification

1. Any employee discovering a hazardous material release or fire must notify their supervisor or the Hutchinson Technology Emergency Management Services (EMS). **CALL x4911**. Note, in the event of a fire, Hutchinson Technology EMS are trained to respond to "incipient stage fires" as defined in 29 CFR 1910.155 (c) (26). This means "a fire which is in the initial or beginning stage and which can be controlled or extinguished by portable fire extinguishers ... without the need for protective clothing or breathing apparatus." If the situation warrants, the employee may pull the nearest fire alarm and evacuate.

2. The **EMS** must contact the Emergency Coordinator listed in Section II on page 4, and may also contact the appropriate parties listed in Sections V and VII if necessary.

3. The Emergency Coordinator or his alternate is responsible for coordinating the plant-wide response to emergency incidents (per Title 40 Part 265 subpart D of the EPA code of federal regulations). The situation will be assessed and the appropriate response taken which may include the following:

   a. Activation of internal alarms and evacuation of the plant.
   b. Notification of the Eau Claire Police, Fire, and Ambulance with information on the nature of the incident and the type and quantity of materials released.
   c. Immediately identify the character, source, amount, and area extent of any discharged materials. This may be done by observation or review of facility records or manifests, and, if necessary, by chemical analysis.
   d. Assess possible hazards to human health or the environment which may result from the discharge, fire, and/or explosion. This assessment will consider both direct and indirect effects of any toxic, irritating, or asphyxiating gases that are generated, or the effects of any hazardous surface water run-off from water or chemical agents used to control fire and heat induced explosion.
   e. Take all reasonable measures necessary to ensure that fires, explosions and discharges do not occur, recur, or spread to other hazardous waste at the facility. These measures will include, where applicable, stopping processes and operations, collecting and containing discharge waste, and removing or isolating containers.

f. Monitor for leaks, pressure buildup, gas generation or ruptures in valves, pipes or other equipment, where appropriate, if the facility stops operation in response to a fire, explosions or discharge.
g. Provide for treating, storing or disposing of recovered waste, contaminated soil or surface water, or any other material that results from a discharge, fire or explosion at the facility, immediately after an emergency.
h. Ensure that, in the affected areas of the facility, no waste that may be incompatible with the discharged material is treated, stored or disposed of until cleanup procedures are completed; and all emergency equipment listed in the contingency plan is clean and fit for its intended use before operations are resumed.
i. If the emergency coordinator determines that the facility has had a release, fire, or explosion which could threaten human health, or the environment, outside the facility, he must report his findings as follows:

    1. If the assessment indicates an evacuation of local areas may be advisable, appropriate local authorities must be notified immediately. The emergency coordinator must remain available to help appropriate officials determine whether local areas should be evacuated
    2. The emergency coordinator must immediately notify either the government official designated as the on-scene coordinator for the area, or the National Response Center (800-424-8802). The report must include:
        a. Name and telephone number of the reporter
        b. Name and address of the facility.
        c. Time and type of incident (e.g. – release, fire).
        d. Name and quantity of material(s) involved, to the extent known.
        e. The extent of injuries, if any.
        f. The possible hazards to human health or the environment, outside the facility.

V. Arrangements with Local Emergency Response Services

1. Police – The Eau Claire Police are available to direct traffic, handle crowds, and provide security services. Policy have been provided a copy of this Plan.
2. Fire Department/Haz Mat Team – The Eau Claire Fire Department will respond to fires and other emergency incidents providing fire protection and rescue/ambulance services. Eau Claire County has a Level B Hazardous Materials Response team which is coordinated through the Fire Department. The Fire Department has been provided a copy of this Plan.
3. Hospital – Sacred Heart Hospital and Mayo Clinic Health System are available to provide medical services. The Hospitals have been provided a copy of this Plan.

4. Emergency Response Contractor - Hutchinson Technology has contracted with Bay West, Incorporated to provide 24-hour, 7-day-a-week coverage for site cleanup work.

   Name: **Bay West**
   Address: Five Empire Drive
   St. Paul, MN 55103-1867

   Telephone: **800/279-0456 or 651-291-0456**

VI. Emergency Equipment

On-site emergency equipment used in the event of fire, explosion, or release of hazardous wastes must be listed in the contingency plan (40 CFR 264.52, subpart (e)). The plan must include the location, physical description, and capabilities of the emergency equipment. Below is the list of such equipment. The location is provided where appropriate. Locations of systems (e.g., sprinklers, telephones) are not given due to their prevalence or extensiveness within the facility. Physical descriptions are not given for those items that are familiar to all personnel and society in general (e.g., telephones, fire extinguishers, fire hydrants).

A. Telephones are located throughout the facility.
   Capability: Communicate hazards within and outside facility.

B. Each area is equipped with an appropriate fire extinguisher, emergency shower, and emergency eyewash. Locations of emergency showers and eye washes near hazardous waste areas are given in attached diagrams.
   Capability: Extinguish fires, remove fire or chemical from body, and clean eyes, respectively.

C. The facility is equipped with ten fire hydrants.
   Capability: Provide water to extinguish fire and neutralize certain chemicals.

D. The production and chemical storage areas are equipped with an automatically-activated sprinkler system.
   Capability: Provide water to extinguish fire over a large area of facility.

E. The facility is equipped with an alarm system that can be activated from and is audible in each work area.
   Capability: Provide warning to personnel.

F. Four Scott Air packs are available by the north employee entrance near the chlorine pit (door #9). Additionally, two Scott Air packs are available for use at the stairwell located at the southwest corner of the Photoetch production bay (Stairway D) on the main floor. Replacement air cylinders are available in the Emergency Brigade Storage room.
   Description: Air packs are self contained breathing apparatus with small portable tanks, face masks, and connection hoses and straps

Capability: Provides quality air (protect from inhalation hazard) to Haz Mat team members responding to an incident.

G. A Flammable Chemical Storage Room on the West wall of Building #2 by dock #8 is equipped with an AFFF extinguishing system in the flammable storage component. It also has a water back-up sprinkler system.
   Capability: Provide containment and extinguishing of fire and reduces explosion potential

H. The Shipping and Receiving Area (Location: adjacent to Stores Crib) is equipped with a supply of sorbent pads and rolls (HazMat Pigs) for small spill cleanup (supply is found in the Stores Crib).
   Capability: Provide control options to contain and cleanup spills
   Description: Sorbent pads are special materials that soak up liquids and retain their strength. Typically the pads are square shaped. Sorbent rolls are more the same material in a roll.

I. The Bulk Chemical Storage area is equipped with a supply of sorbent pads, sorbent rolls, spill dikes, shovel, boots, goggles, pH paper, face shield, chemical resistant gloves, warning signs, warning tape, hazardous waste bags (to contain sorbent materials after cleanup), over pack drums, and dry neutralization material for small spill cleanup. The Chemical Storage areas also contain containment sumps for liquid wastes that could spill. The Chemical Storage area contains product or "raw" chemicals and waste chemicals.
   Capability: Provide control options to contain, treat (depending on the chemical characteristics of waste), and cleanup spills; provides protection to body; provides warning signs for those unaware of danger
   *Description*s: Spill dikes or are snakelike shaped materials that impede liquid movement and spreading. Over pack drums are drums larger than standard drums (standard drum may be a 55-gallon size) allowing the ability to place leaky drums inside the over pack drum and thus containing the leak.

J. Throughout the facility are located emergency showers and eye washes. The locations of these are given in an accompanying diagram.
   Capability: Rinse off chemicals from clothing, body, and eyes.
   Description: Plumbed emergency showers contain a metal pull ring to activate the water flow. Plumbed emergency eye washes contain a bowl, two sets of faucet heads, and an activation device. The bowl is designed to place head near the faucets, activate the water flow to the faucets with the activation device, and send clean water to the eyes for flushing. Portable eyewash stations are also located throughout the facility.

K. Sacred Heart Hospital/Emergency room is four miles south of the facility site and is staffed 24/7 by board certified emergency medicine physicians.

Capability: Provide emergency medical care

L. Mayo Clinic Health System – Eau Claire Hospital, Level II Trauma Center is 3.4 miles from the facility site and has a 24/7 Emergency Dept with a fixed decon shower.

Capability: 24/7 Emergency Care, Trauma Care, Operating rooms, both fixed and portable decon Showers.

M. Eau Claire Fire Department Station 9 is located approximately one mile west of the facility at 3611 Campus Rd. Station 9 is manned by 5 personnel per day and has Ladder Truck and Paramedic Ambulance capability and would have support from the other 5 Fire Stations in the city of Eau Claire. The following is a partial list of fire-fighting equipment the department has:

- 8 – Engines/Units (6 Front-line, 2 Reserve)
- 6 – Ambulances (3 Front-line, 3 Reserve)
- 5 – Water Rescue Boats
- 3 – Command Vehicles
- 1 – Brush Fire Unit
- 1 – Heavy Rescue Unit
- 1 – Inspection Van
- 1 – Hazardous Materials Assessment Vehicle
- 1 – Collapse Rescue Vehicle
- 1 – Hazardous Materials Equipment Trailer
- 1 – Collapse Rescue Trailer
- 1 – Mass Casualty Trailer
- 1 – Public Education Safety House
- 1 – Special Rescue Vehicle

Capability: Provide outside emergency medical, fire fighting and emergency handling skills and equipment

N. The HTI EMS/Hazmat group has the following at their disposal:

1. Personal Protective/Emergency Response Equipment

a. Neoprene rubber gloves
b. Chemical resistant sleeves
c. Face shields
d. Eye goggles
e. Neoprene rubber aprons
f. Chemical resistant rubber boots
g. Respirators (full and half mask)
h. Self-contained breathing apparatus
i. Fall protection Harnesses
j. Level B suits

k. Hand Held Sperian CL2 monitors.
l. MSA four gas monitor.
m. Zellweger NF3/HF portable monitor.

2. Other Equipment

a. 2-way radios/spectralink phones
b. Barrel over pack.
c. On-site trench system
d. On-site water treatment system.
e. Chlorine "B" emergency kit

Capability: Provide control options to assess, contain, treat (depending on the chemical characteristics of waste), and cleanup spills; provides protection to body. Authorized EMS/Hazmat personnel are trained on the use of this equipment.

O. The facility is equipped with an alarm system that can be activated from, and is audible in, each work area. The system is activated via the internal phone system.
Note: Chemicals such as Chlorine and Hydrochloric Acid are constantly monitored by an onsite monitoring system. In the case that one of these chemicals were to be released into the environment, the alarm system automatically activates.

Capability: Provide warning to personnel.

VII. Coordination Agreement

A. Eau Claire Fire Department (telephone 911 Emergency).

1. The Eau Claire Fire Department has received a copy of this Hutchinson Technology Contingency Plan.

2. The Fire Department personnel have taken a tour of the facility and received a briefing on possible hazards.

3. The Fire Department has a fire pre-plan with Hutchinson Technology which is updated every two years.

B. Eau Claire Police Department (telephone 911 Emergency).

1. The Eau Claire Police Department has received a copy of this contingency plan.

2. The Police Department personnel have received a briefing on possible hazards.

C. Sacred Heart Hospital (telephone 911 Ambulance or 9-715-717-4222 to contact the emergency center).

1. The Hospital Safety Services department has received a copy of this contingency plan.

D. Mayo Clinic Health Systems – Eau Claire Hospital (telephone 911 Ambulance or 9-715-838-3242 to contact the emergency center).

1. The Hospital Safety Services department has received a copy of this contingency plan.

VIII. Evacuation Plan

A. Facility personnel will be evacuated if the Emergency Coordinator determines that their personal safety is in danger.

B. If evacuation is necessary, the facility fire alarm system will be sounded.

C. Employees will evacuate the building and meet in the north or south parking lots using evacuation routes shown on the accompanying diagrams. Alternate evacuation routes are evident in the accompanying diagrams if fire or release of hazardous waste blocks normal evacuation routes.

D. Evacuation practice drills are held annually.

IX. Required Reports and Plan Training

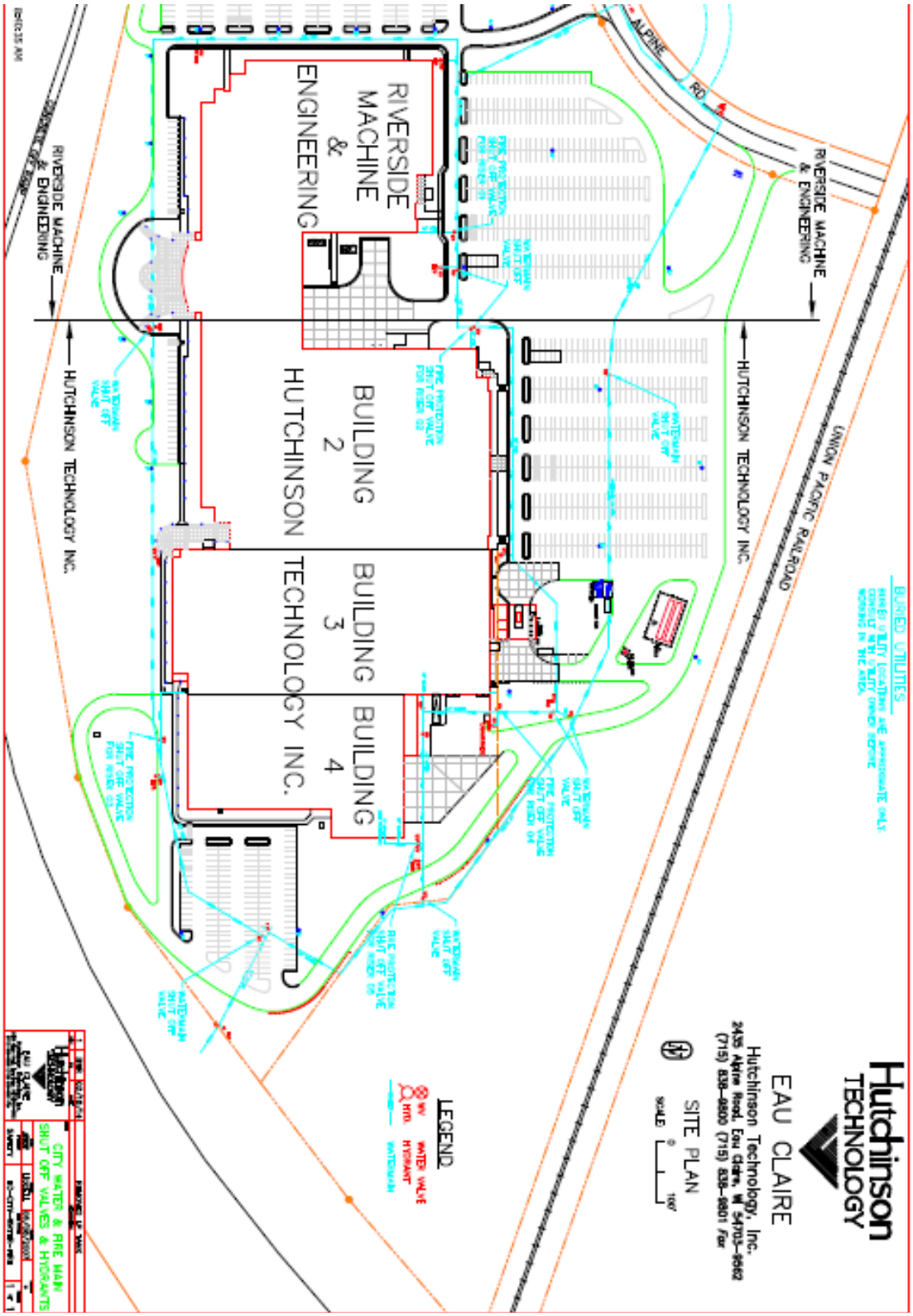
A. Hutchinson Technology's operating Vice-President or designated representatives must note in the operating record the time, date, and details of any incident that requires implementing the contingency plan. Within 15 days after the incident, the operating Vice-President or designated representative must submit a written report on the incident to the EPA Region V Administrator and the MPCA Commissioner. The report must include:

1. Name, address, and telephone number of the owner or operator.
2. Name, address, and telephone number of the facility.
3. Date, time, and type of incident.
4. Name and quantity of material involved.
5. The extent of injuries, if any.
6. An assessment of actual or potential hazards to human health or the environment, where this is applicable.
7. Estimated quantity of and disposition of recovered material that resulted from the incident.
8. A narrative describing the known or suspected causes of the incident and a statement describing the measures taken to investigate the cause. The narrative must also describe any necessary measures which have been or will be taken to prevent the incidents in the future.

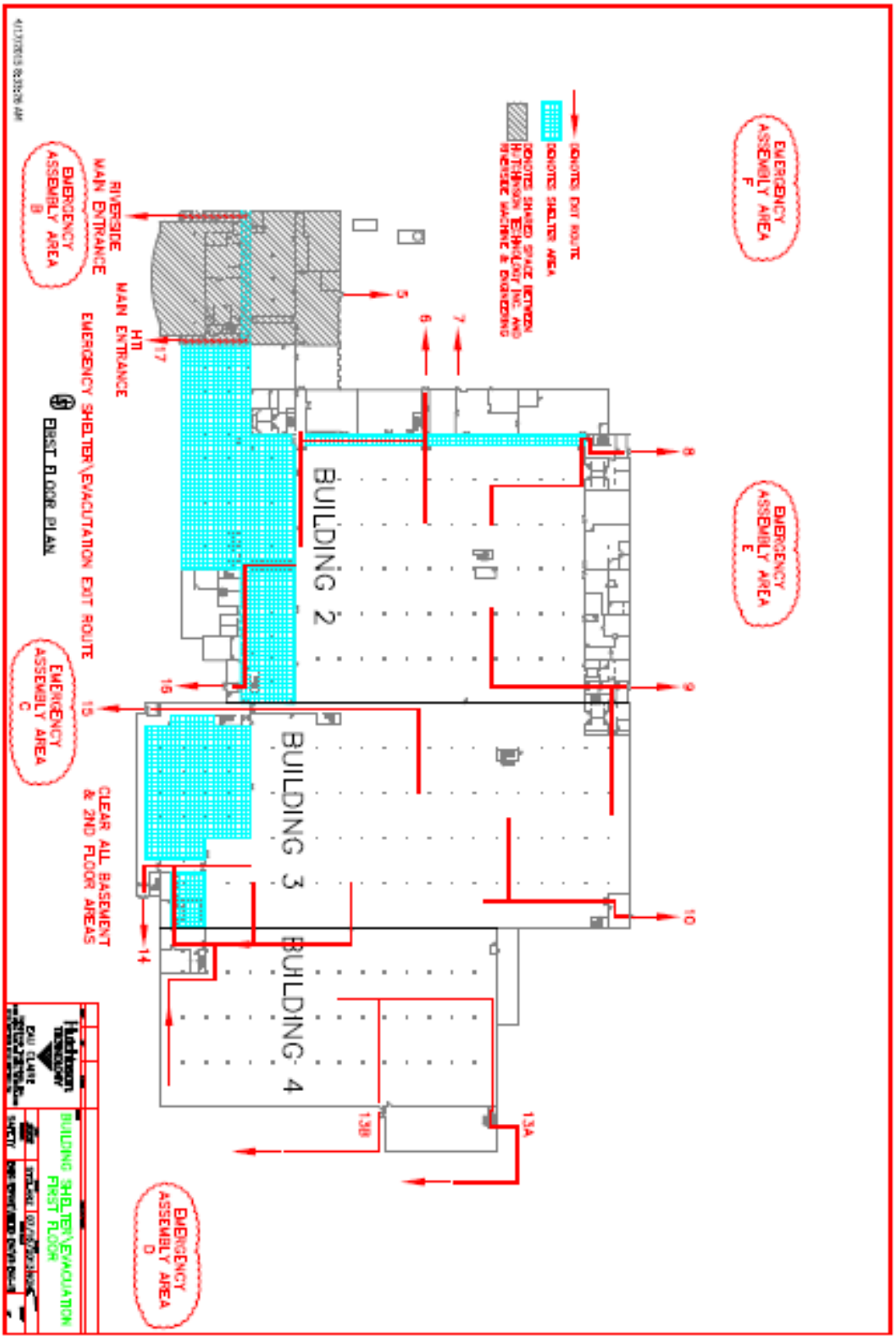
B. The Emergency Coordinator will revise this contingency plan in accordance with the experience acquired during each emergency situation or any other change, and will send copies of the revisions to each holder of the original plan.

C. Training on this Contingency Plan is under the supervision of the Hutchinson Technology facility management. Training for management staff consists of reading and understanding the Contingency Plan. Training for other personnel includes information consistent with the person's job functions.

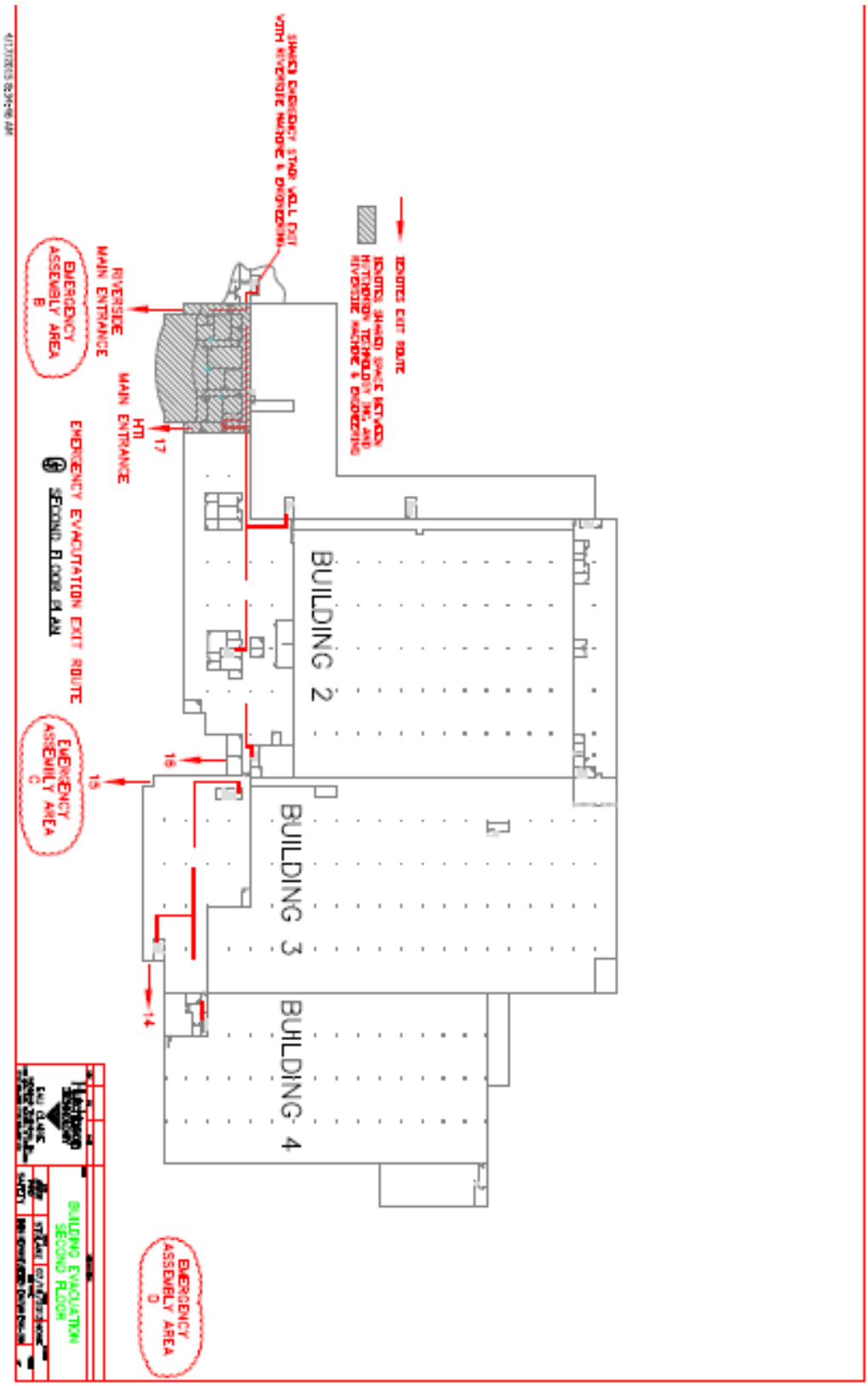
EC Site Plan


RIVERSIDE MACHINE & ENGINEERING
HUTCHINSON TECHNOLOGY INC.
BUILDING 2
BUILDING 3
BUILDING 4
ALPINE RD
UNION PACIFIC RAILROAD
Hutchinson TECHNOLOGY
EAU CLAIRE
SITE PLAN
LEGEND
CITY WATER & FIRE MAIN SHUT OFF VALVES & HYDRANTS

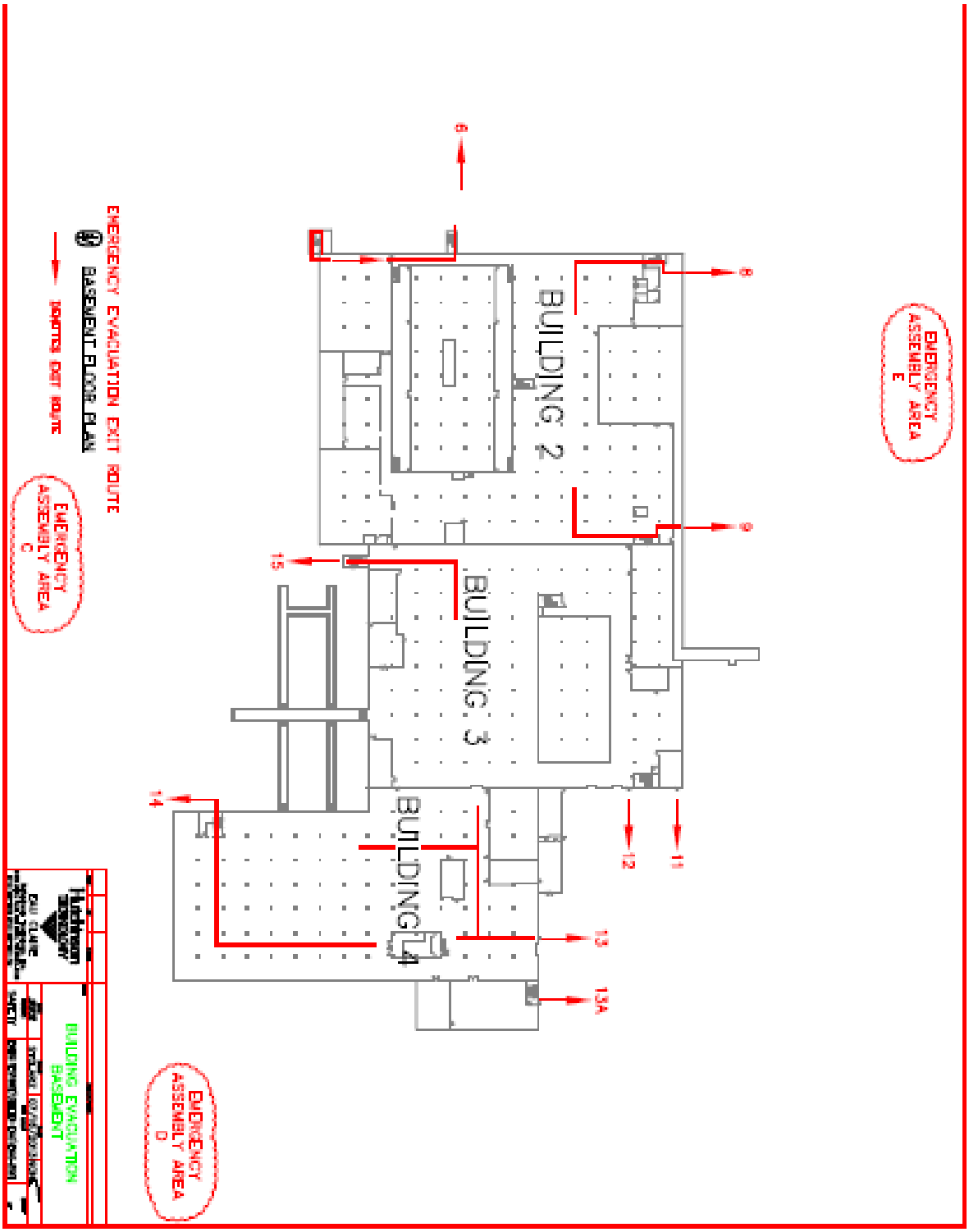
EC Site Evacuation – First floor:



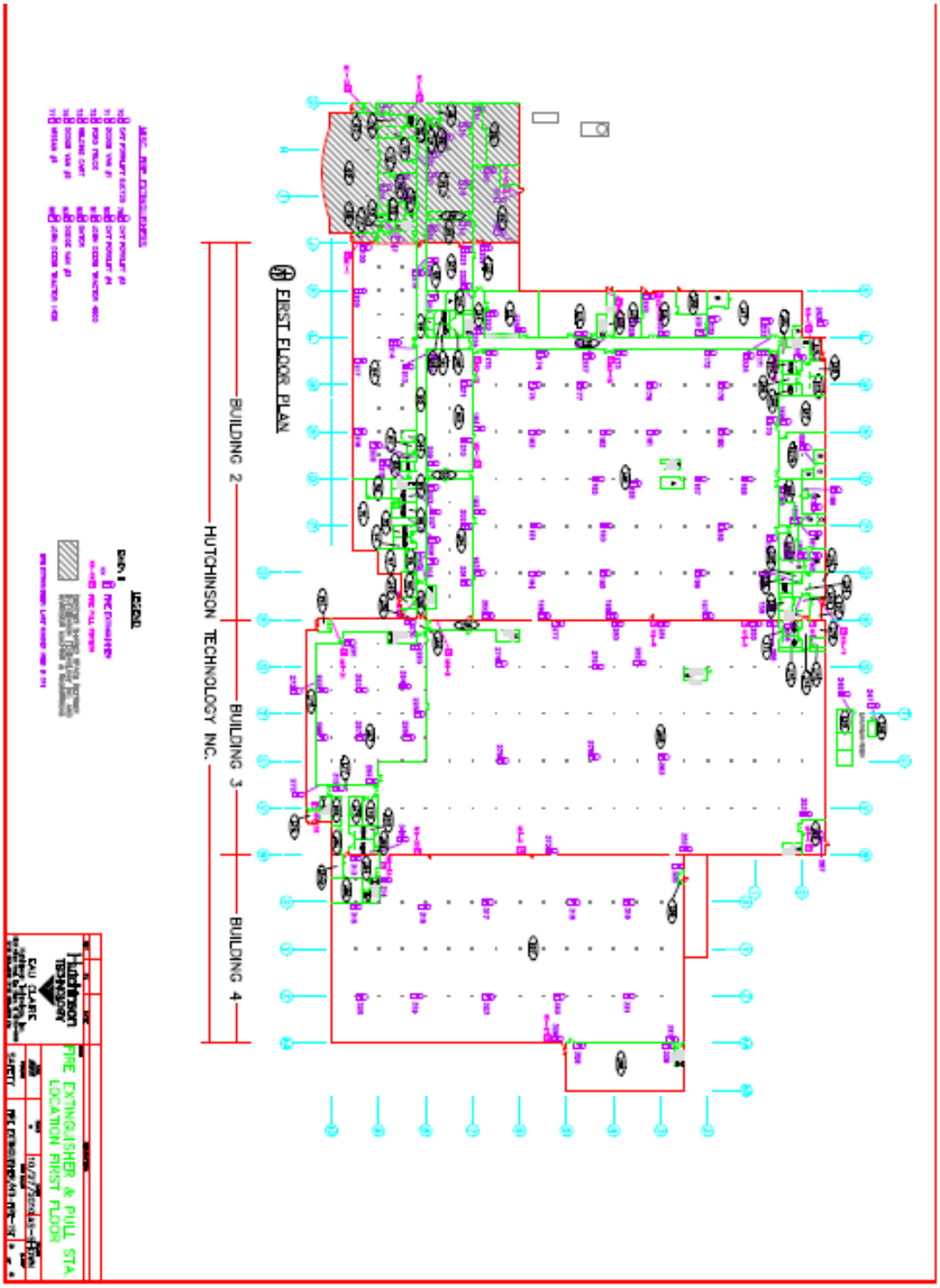
EC Site Evacuation – Second floor:



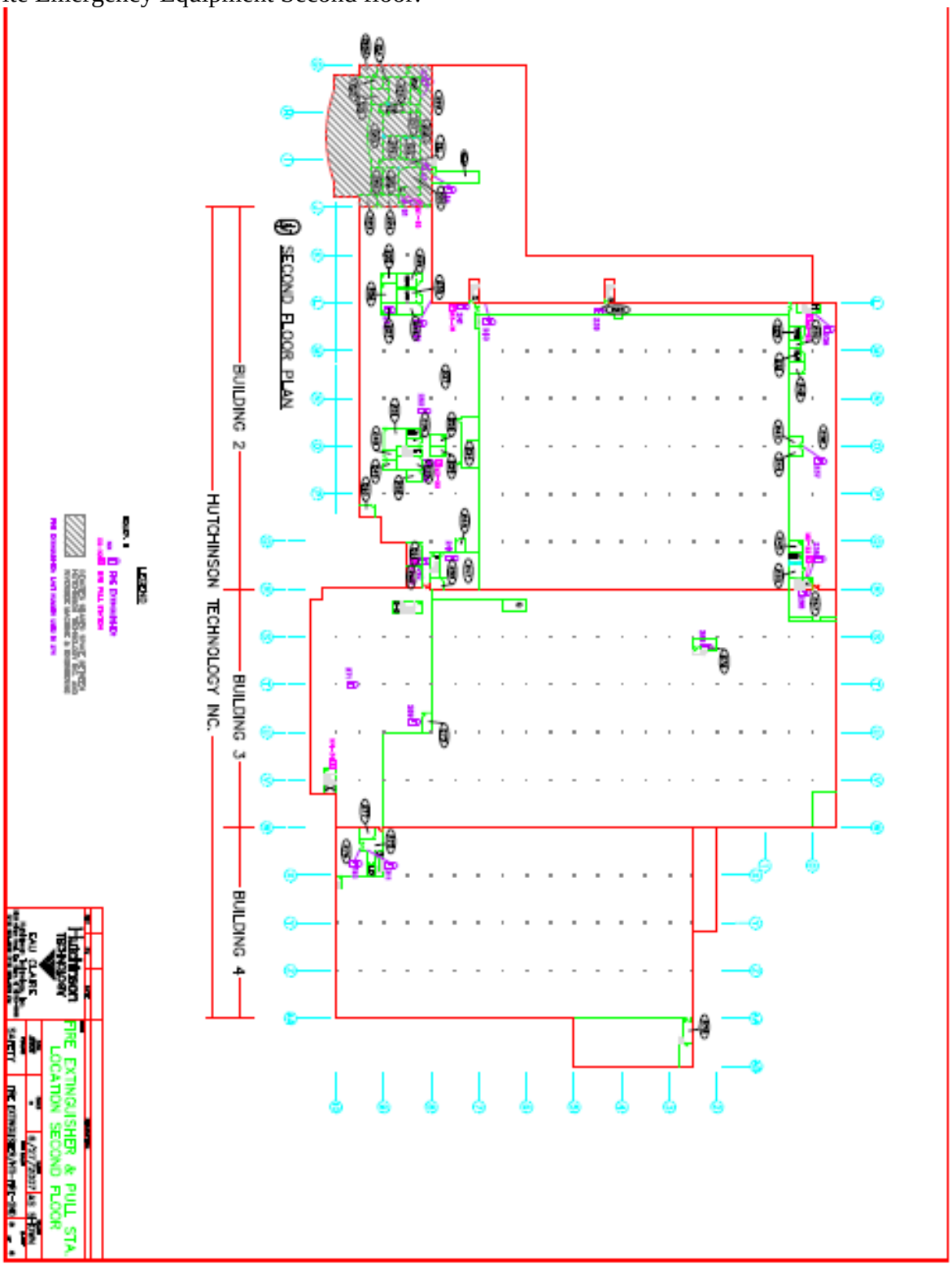
EC Site Evacuation – Basement:



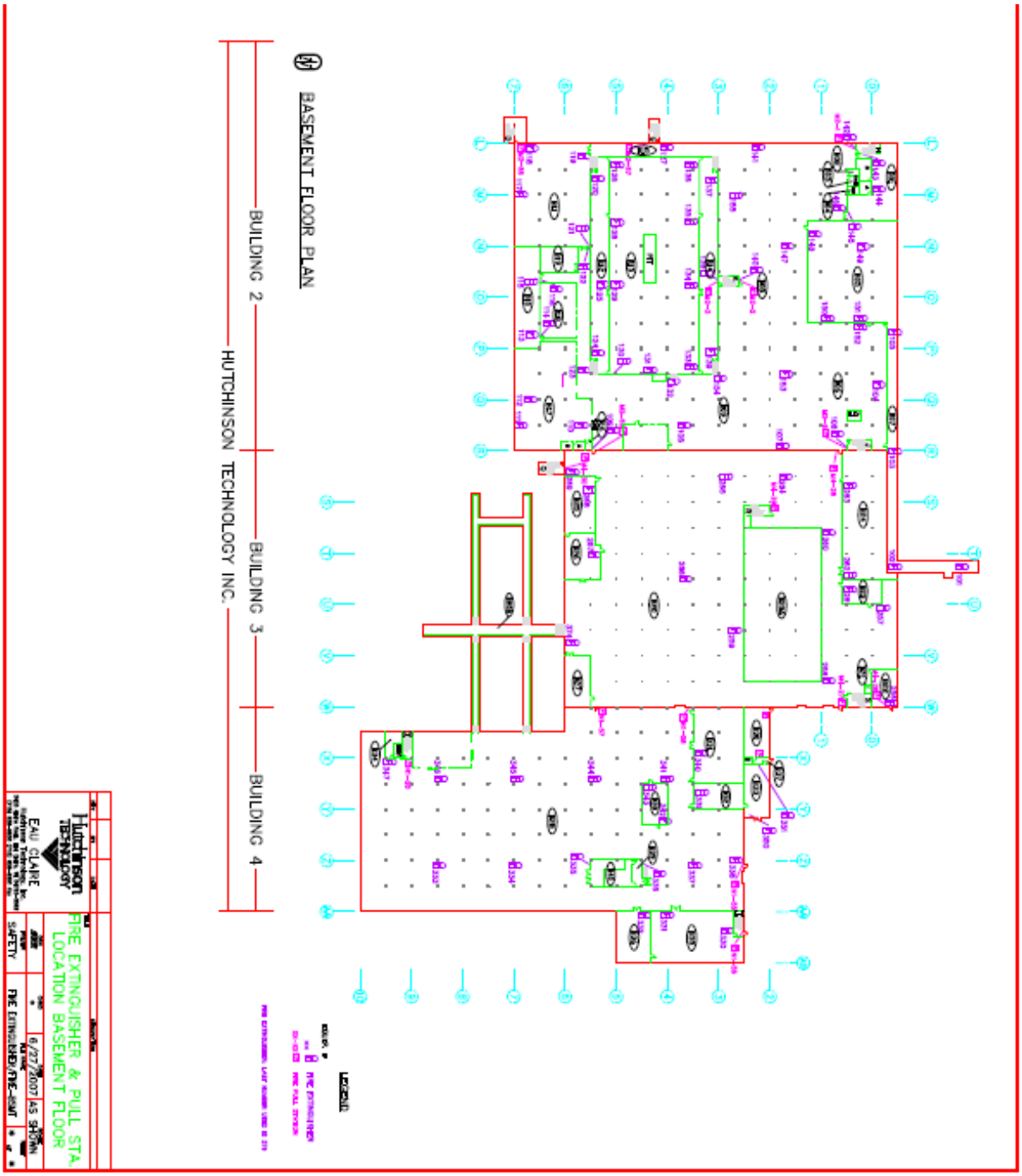
Site Emergency Equipment First floor:



Site Emergency Equipment Second floor:



Site Emergency Equipment Basement:



Site Emergency Equipment Roof: