

Leveraging GIS for Smarter EPCRA Planning

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Who Am I?

- ▶ **Valerie Desio, CEM**
Emergency Management Specialist
for Eau Claire County
- ▶ 33 Deployments with Team Rubicon
- ▶ Masters in Emergency Management
from ASU
- ▶ Integrated GIS tools in Emergency
Management for the County

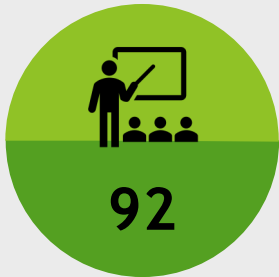


OFF-SITE PLANNING

Under the Emergency Planning and Community Right-to-Know Act (EPCRA), counties—through their Local Emergency Planning Committees (LEPCs)—are responsible for developing off-site emergency response plans for facilities that store Extremely Hazardous Substances (EHS) above threshold quantities.



Planning Facilities



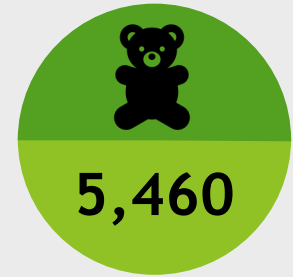
College/University



Hospitals



Nursing Homes



Licensed Daycares



Public/Private Schools

COMMONLY USED PLANNING TOOLS

► CAMEO Data Manager

- Allows users to manage emergency planning and response data, including chemical inventories, facility information, contact details, and response resources.

► FEMA Resilience Analysis & Planning Tool

- Web map that helps emergency managers and community leaders analyze the interplay of census data, infrastructure, and hazard data to visualize, prioritize, and implement strategies for resilience, response, and recovery.

SPECIAL FACILITIES AFFECTED

Facility Name	Address	Phone	Capacity	Distance
Facility Name	Facility Address	Contact #	##	##

WHAT WAS THE PROBLEM?

Inefficient Location Identification

- Difficult to determine which special locations fall within a vulnerability zone
- No streamlined way to verify site validity during updates
- Retrieving key details (phone numbers, population, distance) was time-consuming

Cross-Jurisdictional Barriers

- Vulnerability zones often cross county or jurisdictional borders
- Identifying special facilities in unfamiliar areas was challenging

THE SOLUTION



STEP 1: WHAT DATA DO I NEED?

TYPES

- ▶ Hospitals, Clinics, Dialysis
- ▶ Nursing Homes
- ▶ Schools and Universities
- ▶ Daycare Centers

DATA

- ▶ Name of Facility
- ▶ Facility Address
- ▶ Phone Numbers
- ▶ Population
- ▶ Distance from Facility

STEP 2: FIND THE DATA

Federal

- Homeland Infrastructure Foundation-Level Data (HIFLD)

State

- WI Department of Health Services
 - Child Care Centers

Private

- RXopen (Dialysis Centers)

STEP 3: BUILD THE TOOL





EPCRA Special Facilities and Population Planning Tool



Find address or place

Use current location

0 10

EPCRA Special Facility and Population Planning Tool

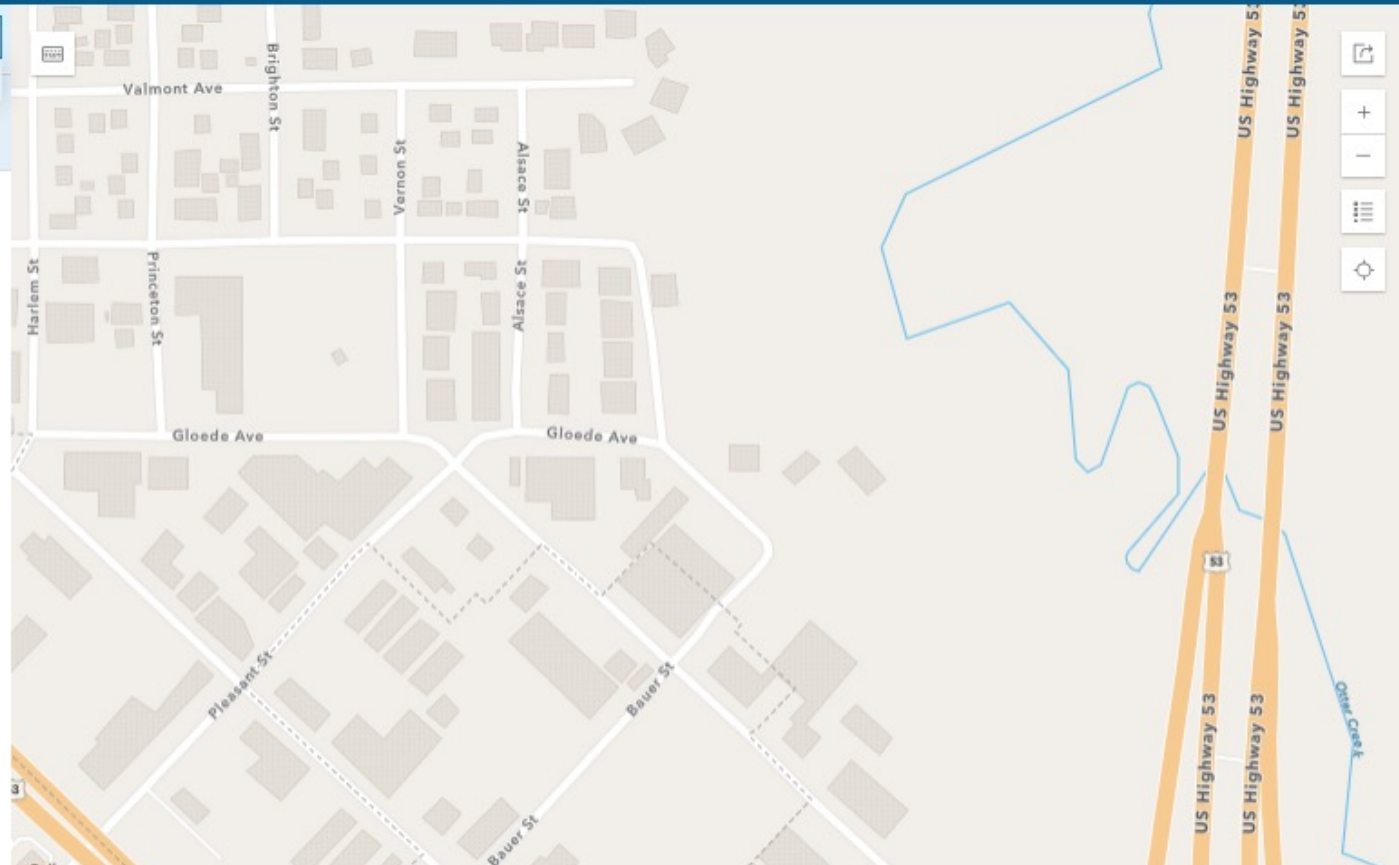
Search an address to list the vulnerable facilities and populations in its surrounding area.

1. Select the distance around facility you want to search.

2. Use one of the following methods to set location marker:

- Click the search box and type in an address
- Click within the map
- Use my location

Use my location





EPCRA Special Facilities and Population Planning Tool



1929 Vernon St, Altoona, WI, 54720...

3.6 mi

0

10

Clear search location

Results: 166

> Public Schools 22

> Private Schools 9

> Colleges and Universities 3

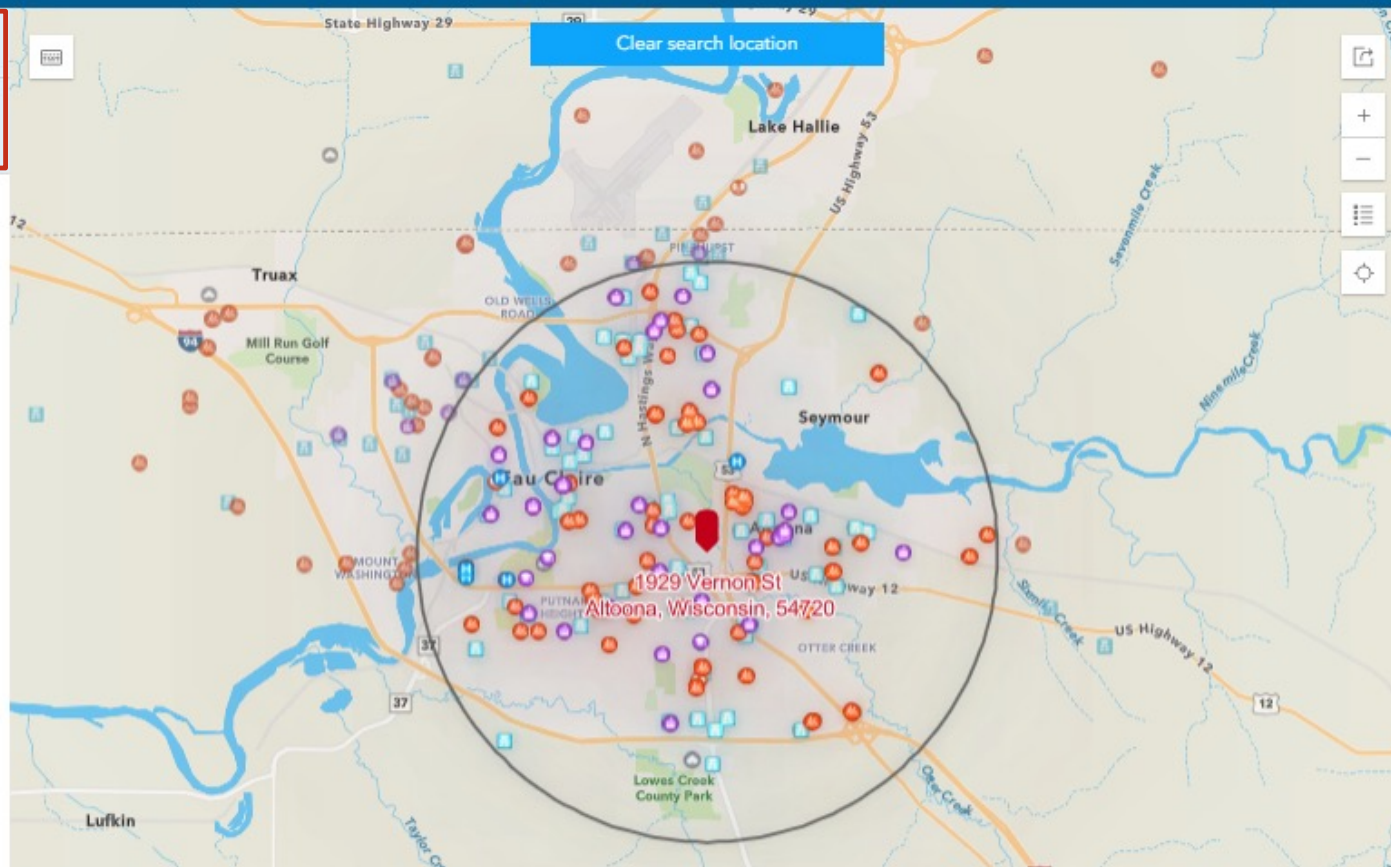
> Hospitals 5

> Nursing Homes 59

> Dialysis Centers 3

> Childcare Facilities 63

> Large Crowd Special Event Facilities 2





EPCRA Special Facilities and Population Planning Tool



1929 Vernon St, Altoona, WI

0 5 mi

Results:218

> Public Schools

> Private Schools

> Colleges and Universities

> Hospitals

> Nursing Homes

> Dialysis Centers

> Childcare Facilities

Title

EPCRA Special Facilities and ...

Include results



Include map



Include legend



File type

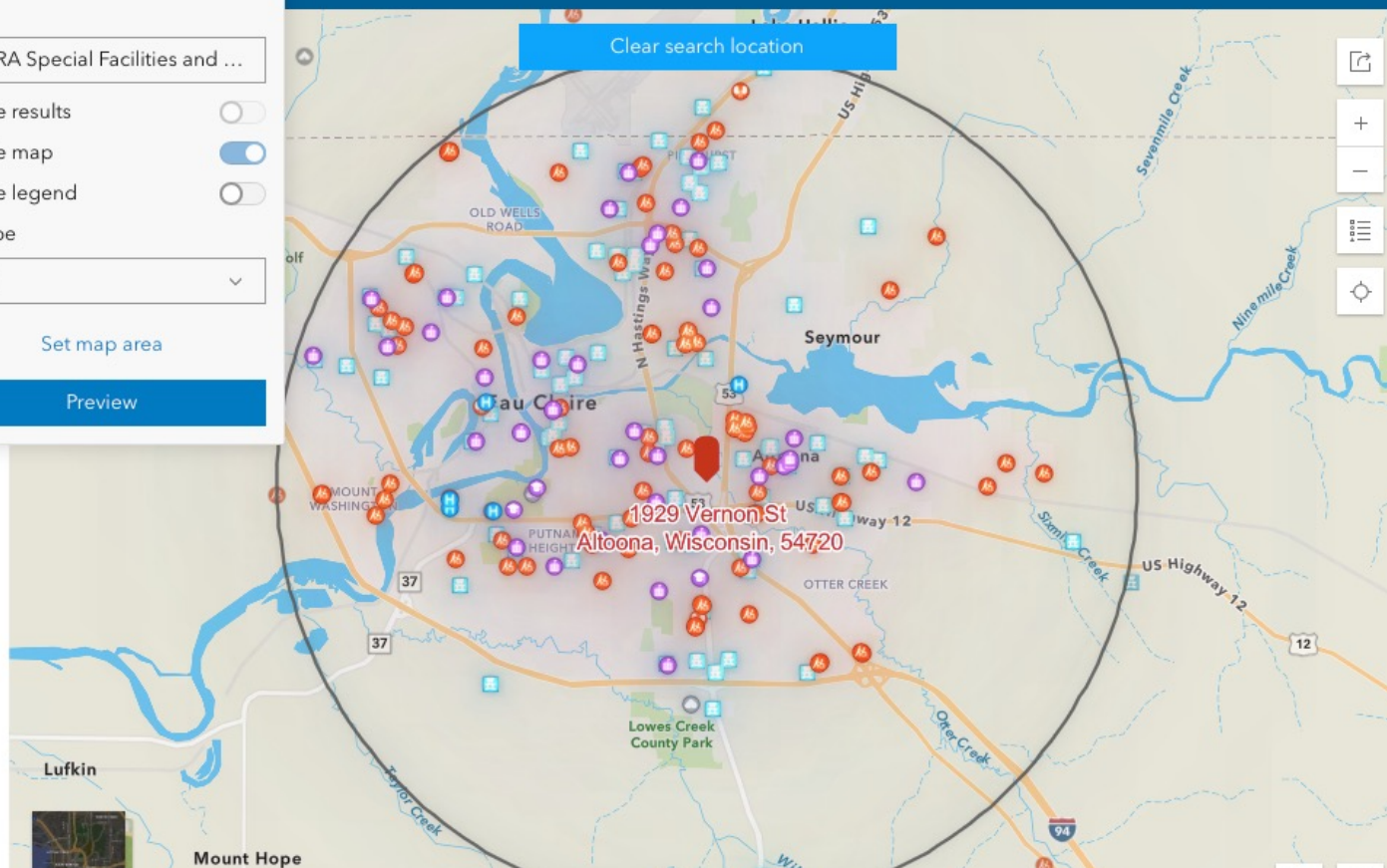
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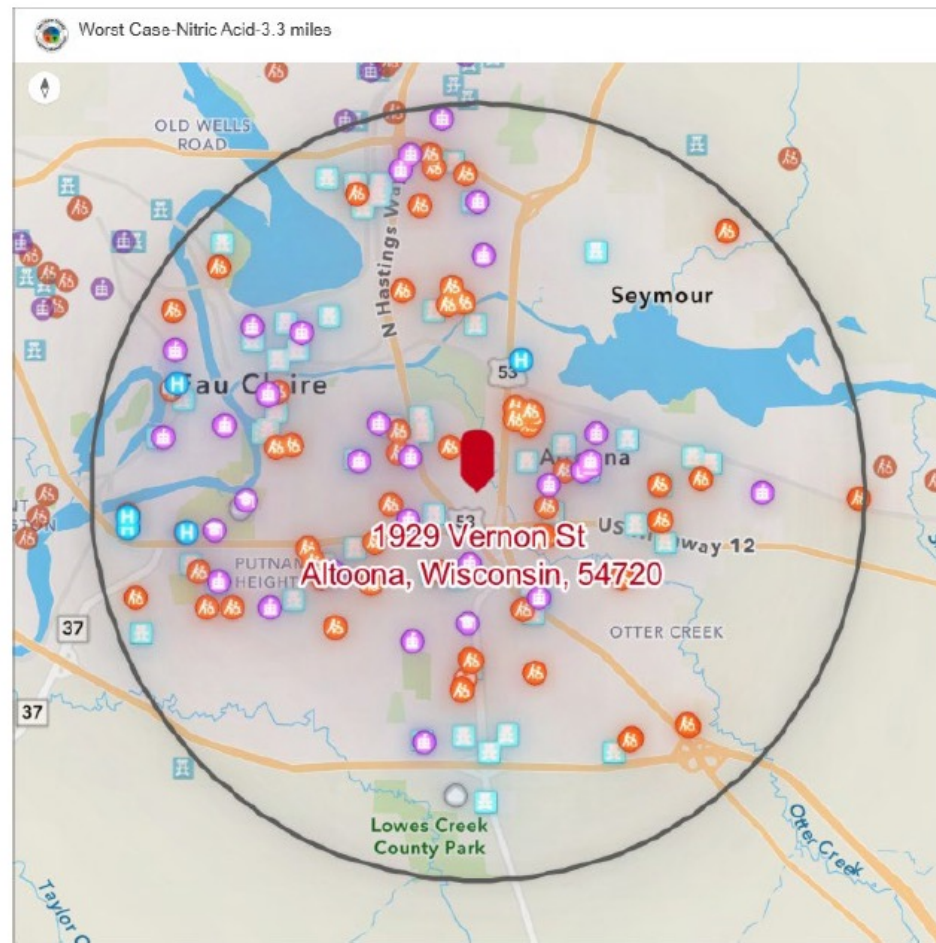


Set map area

Preview

Clear search location







EPCRA Special Facilities and Population Planning Tool



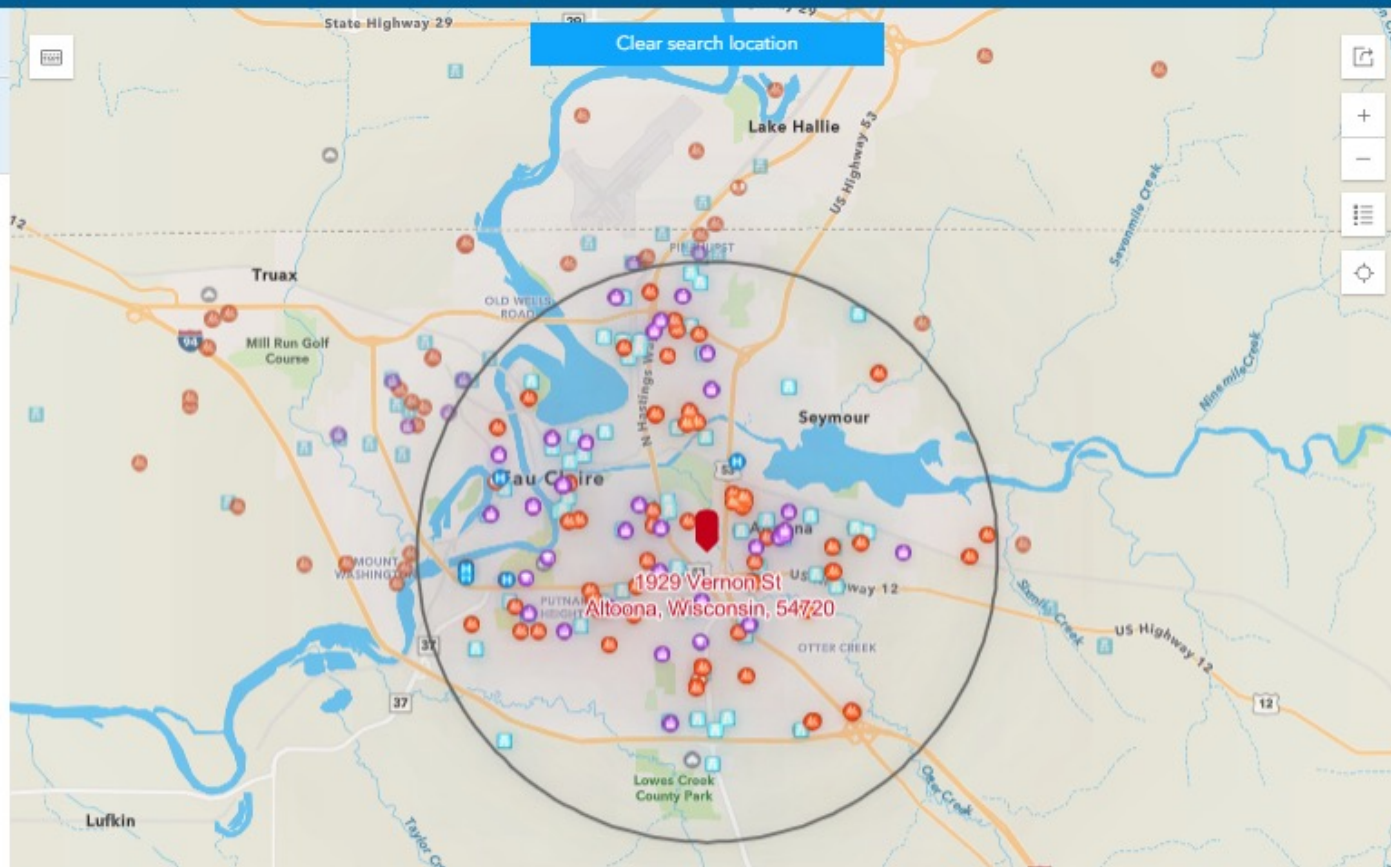
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OBJECTID	NCES ID	Name	Address	City	State	Zip	Zip4	Telephone	Type
98980	5.5041E+11	MEMORIAL H	2220 FAIRFA	EAU CLAIRE	WI	54701	4799	(715) 852-63	1
98598	5.5003E+11	ALTOONA HI	711 7TH ST W	ALTOONA	WI	54720	1584	(715) 839-60	1
98599	5.5003E+11	ALTOONA MI	1903 BARTLE	ALTOONA	WI	54720	1799	(715) 839-60	1
98601	5.5003E+11	ALTOONA INT	1903 BARTLE	ALTOONA	WI	54720	1799	(715) 839-60	1
98983	5.5041E+11	ROBBINS ELE	3832 E HAMII	EAU CLAIRE	WI	54701	8106	(715) 852-46	1
98974	5.5041E+11	FLYNN ELEM	1430 LEE ST	EAU CLAIRE	WI	54701	NOT AVAILAB	(715) 852-33	1
98991	5.5041E+11	SOUTH MIDD	2115 MITSCH	EAU CLAIRE	WI	54701	7723	(715) 852-52	1
98979	5.5041E+11	MANZ ELEME	1000 E FILLM	EAU CLAIRE	WI	54701	6539	(715) 852-39	1
98996	5.5041E+11	EAU CLAIRE C	500 MAIN ST	EAU CLAIRE	WI	54701	3770	(715) 852-36	1
98997	5.5041E+11	EAU CLAIRE V	500 MAIN ST	EAU CLAIRE	WI	54701	3770	(715) 852-30	1
98989	5.5041E+11	MCKINLEY C	1266 MCKINI	EAU CLAIRE	WI	54703	2220	(715) 852-69	4
98978	5.5041E+11	LONGFELLOW	512 BALCOM	EAU CLAIRE	WI	54703	3201	(715) 852-38	1
98992	5.5041E+11	MEADOWVIE	4714 FAIRFA	EAU CLAIRE	WI	54701	8083	(715) 852-40	1
98994	5.5041E+11	SECOND AVE	721 OXFORD	EAU CLAIRE	WI	54703	5481	(715) 852-69	4
98995	5.5041E+11	OXFORD AVE	728 OXFORD	EAU CLAIRE	WI	54701	NOT AVAILAB	(715) 852-69	4
98982	5.5041E+11	PUTNAM HEI	633 W MACA	EAU CLAIRE	WI	54701	6399	(715) 852-42	1
98600	5.5003E+11	ALTOONA ELE	157 BARTLET	ALTOONA	WI	54720	2361	(715) 839-60	1
98987	5.5041E+11	NORTHWOOD	3600 NORTH	EAU CLAIRE	WI	54703	1379	(715) 852-41	1
98990	5.5041E+11	LAKESHORE I	711 LAKE ST	EAU CLAIRE	WI	54703	5477	(715) 852-34	1
98993	5.5041E+11	CHIPPEWAV	400 CAMERC	EAU CLAIRE	WI	54703	5101	(715) 852-69	1

Facility Name	Address	Phone	Capacity	Distance
Kindercare	2115 Fairfax St, Eau Claire, WI	715-832-8099	128	0.42
Aurora Residential Alternatives Inc 041	3404 Hoover Avenue, Altoona, WI	715-552-3278	4	0.44
Babies Tots Toddlers	2527 Bartlett Ave, Altoona, WI	715-864-3732	8	0.49
BTI 10th Street House	1202 10th St W, Altoona, WI	715-514-2056	4	0.59
Otter Creek Christian Academy	919 10th St W, Altoona, WI	715-834-1782	9	0.61
Regis Catholic Schools	2728 Mall Dr Ste 200, Eau Claire, WI	715-830-2273	823	0.62
Memorial High	2220 Fairfax St, Eau Claire, WI	715-852-6300	1644	0.64
Regis High & Middle School	2100 Fenwick Ave, Eau Claire, WI	715-830-2271	432	0.65
Little School House of Altoona	2328 N Hillcrest Ave, Altoona, WI	715-214-6609	50	0.66
Classic At Hillcrest Greens Senior Living	2455 Sawgrass Place, Altoona, WI	715-944-6678	63	0.66
Classic At Hillcrest Greens Memory Care	2455 Sawgrass Place, Altoona, WI	715-839-0200	40	0.68
Regis Child Development Center	2114 Fenwick Ave, Eau Claire, WI	715-830-2274	130	0.69
Grace Lutheran Communities-River Pines	206 N Willson Dr, Altoona, WI	715-598-7800	50	0.69
Little Adventurers Daycare LLC	2150 Eastridge Ctr, Eau Claire, WI	715-895-8000	8	0.7

OTHER USES

Emergency Responders can utilize tool to quickly determine for non-hazmat incidents.



ACCESSING THE TOOL

<https://shorturl.at/bN4m5>



Any
Questions?