

### Measure Tool

Select the line, circle, or polygon tool below and then click the map to measure your first point - double-click to complete the measurement.

CIRCLE	POLYGON
	^
	CIRCLE

**★ CLEAR MEASUREMENTS** 



Home (/) > Programs (/programs/) > Environmental Review (/programs/environmental-review/) > ASD Calculator

## Acceptable Separation Distance (ASD) Electronic Assessment Tool

The Environmental Planning Division (EPD) has developed an electronic-based assessment tool that calculates the Acceptable Separation Distance (ASD) from stationary hazards. The ASD is the distance from above ground stationary containerized hazards of an explosive or fire prone nature, to where a HUD assisted project can be located. The ASD is consistent with the Department's standards of blast overpressure (0.5 psi-buildings) and thermal radiation (450 BTU/ft² - hr - people and 10,000 BTU/ft² - hr - buildings). Calculation of the ASD is the first step to assess site suitability for proposed HUD-assisted projects near stationary hazards. Additional guidance on ASDs is available in the Department's guidebook "Siting of HUD- Assisted Projects Near Hazardous Facilities" and the regulation 24 CFR Part 51, Subpart C, Sitting of HUD-Assisted Projects Near Hazardous Operations Handling Conventional Fuels or Chemicals of an Explosive or Flammable Nature.

**Note:** Tool tips, containing field specific information, have been added in this tool and may be accessed by hovering over the ASD result fields with the mouse.

## **Acceptable Separation Distance Assessment Tool**

Is the container above ground?	Yes: ✓ No: 🗆
Is the container under pressure?	Yes: ☐ No: ✓
Does the container hold a cryogenic liquified gas?	Yes: No:
Is the container diked?	Yes: No: 🗸
What is the volume (gal) of the container?	119
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	

ASD for Thermal Radiation for People (ASDPPU)	113.94
ASD for Thermal Radiation for Buildings (ASDBPU)	18.79
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options (/resource/3846/acceptable-separation-distance-asd-hazard-mitigation-options/)

## **Providing Feedback & Corrections**

After using the ASD Assessment Tool following the directions in this User Guide, users are encouraged to provide feedback on how the ASD Assessment Tool may be improved. Users are also encouraged to send comments or corrections for the improvement of the tool.

Please send comments or other input using the **Contact Us** (https://www.hudexchange.info/contact-us/) form.

### **Related Information**

- ASD User Guide (/resource/3839/acceptable-separation-distance-asd-assessment-tooluser-guide/)
- ASD Flow Chart (/resource/3840/acceptable-separation-distance-asd-flowchart/)

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## **Acceptable Separation Distance Assessment Tool**

Is the container above ground?	Yes: ✓ No: □
Is the container under pressure?	Yes: ☐ No: ☑
Does the container hold a cryogenic liquified gas?	Yes: No:
Is the container diked?	Yes: ☐ No: ☑
What is the volume (gal) of the container?	599
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	

ASD for Thermal Radiation for People (ASDPPU)	223.40
ASD for Thermal Radiation for Buildings (ASDBPU)	39.67
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

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## **Acceptable Separation Distance Assessment Tool**

Is the container above ground?	Yes: ☑ No: □
Is the container under pressure?	Yes: ☐ No: ✓
Does the container hold a cryogenic liquified gas?	Yes: No:
Is the container diked?	Yes: ☐ No: ✓
What is the volume (gal) of the container?	19442
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	

ASD for Thermal Radiation for People (ASDPPU)	952.12
ASD for Thermal Radiation for Buildings (ASDBPU)	198.24
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

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Is the container under pressure?	Yes: ☐ No: ☑		
Does the container hold a cryogenic liquified gas?	Yes: No:		
Is the container diked?	Yes: ☐ No: <		
What is the volume (gal) of the container?	2999		
What is the Diked Area Length (ft)?			
What is the Diked Area Width (ft)?			
Calculate Acceptable Separation Distance			
Diked Area (sqft)			
ASD for Blast Over Pressure (ASDBOP)			

ASD for Thermal Radiation for People (ASDPPU)	437.03
ASD for Thermal Radiation for Buildings (ASDBPU)	83.54
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

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Is the container under pressure?	Yes: ☐ No: ☑		
Does the container hold a cryogenic liquified gas?	Yes: No:		
Is the container diked?	Yes: □ No: ✓		
What is the volume (gal) of the container?	5999		
What is the Diked Area Length (ft)?			
What is the Diked Area Width (ft)?			
Calculate Acceptable Separation Distance			
Diked Area (sqft)			
ASD for Blast Over Pressure (ASDBOP)			

ASD for Thermal Radiation for People (ASDPPU)	583.37
ASD for Thermal Radiation for Buildings (ASDBPU)	115.11
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options (/resource/3846/acceptable-separation-distance-asd-hazard-mitigation-options/)

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- ASD Flow Chart (/resource/3840/acceptable-separation-distance-asd-flowchart/)

All In One Auto Repair & Towing 406 N STATE ST UKIAH CA 95482

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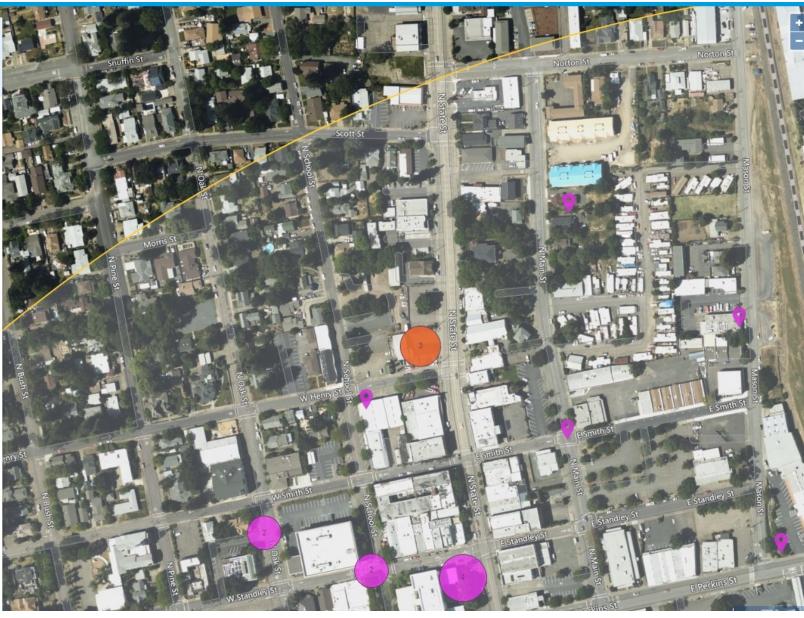
#### SHOW MORE INFORMATION >

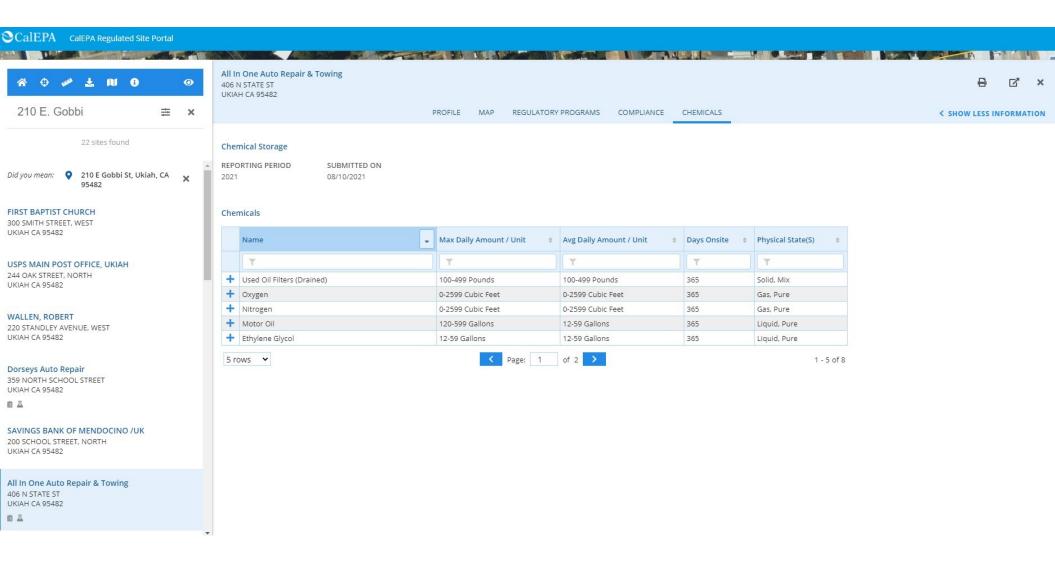


#### Regulatory Programs

Chemical Storage Facilities Hazardous Waste Generator

#### Evaluations





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Physical State(S)

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Solid, Mix

Gas, Pure

Gas, Pure

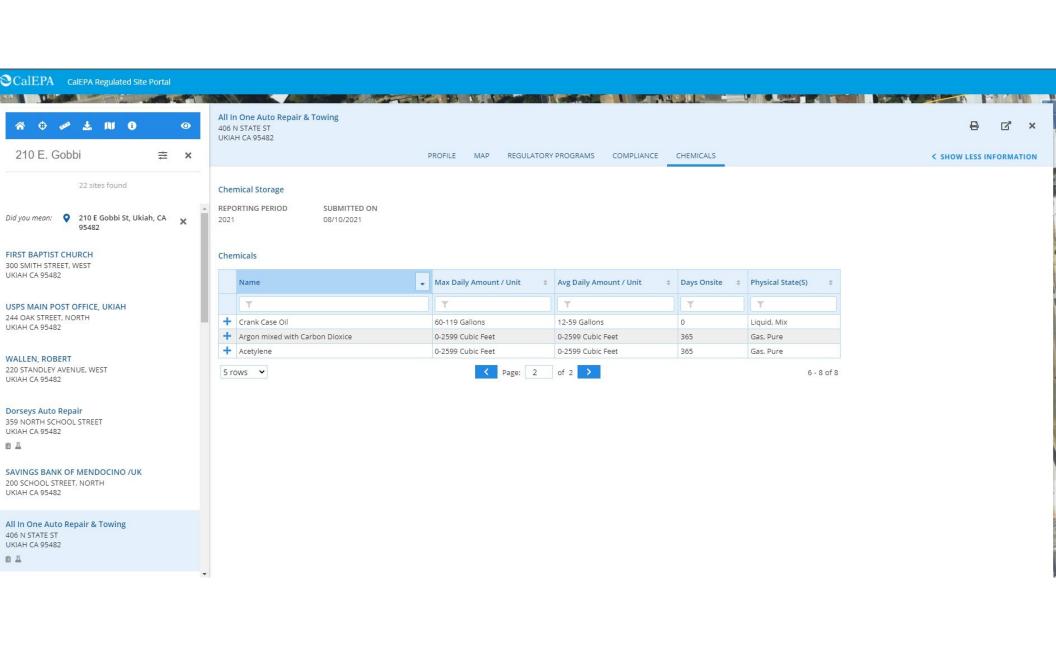
Liquid, Pure

Liquid, Pure

1 - 5 of 8

**< SHOW LESS INFORMATION** 

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#### Alliance Auto Service 213 S MAIN ST UKIAH CA 95482

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#### Regulatory Programs

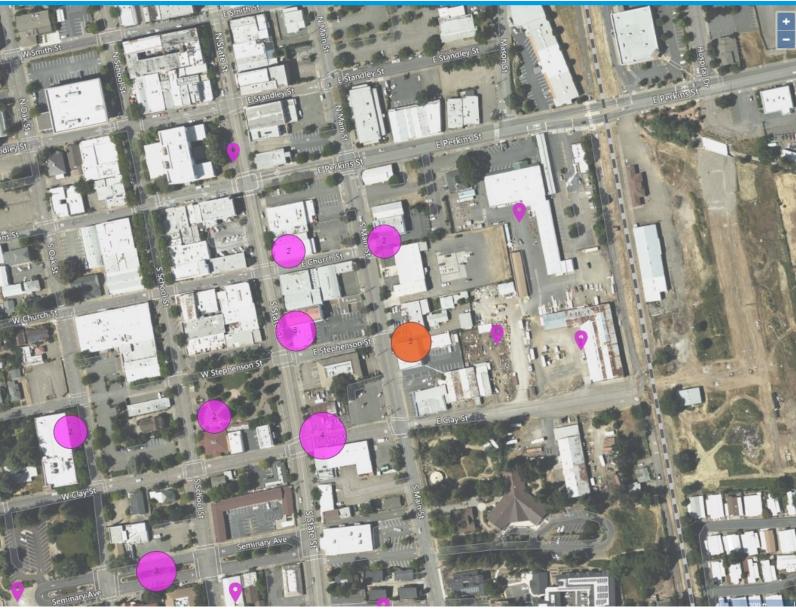
Chemical Storage Facilities Hazardous Waste Generator

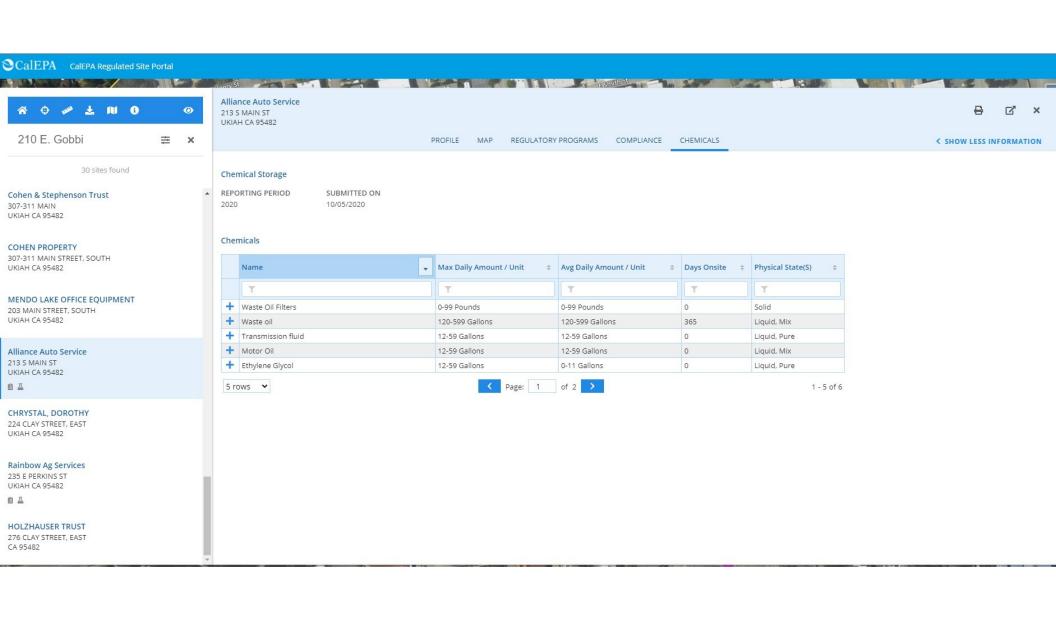
#### Evaluations

Evaluations With Violations 4
Evaluations Without Violations 6

#### Violations

Open 1 Resolved 5





AT&T California - TD100 305 W STEPHENSON ST UKIAH CA 95482

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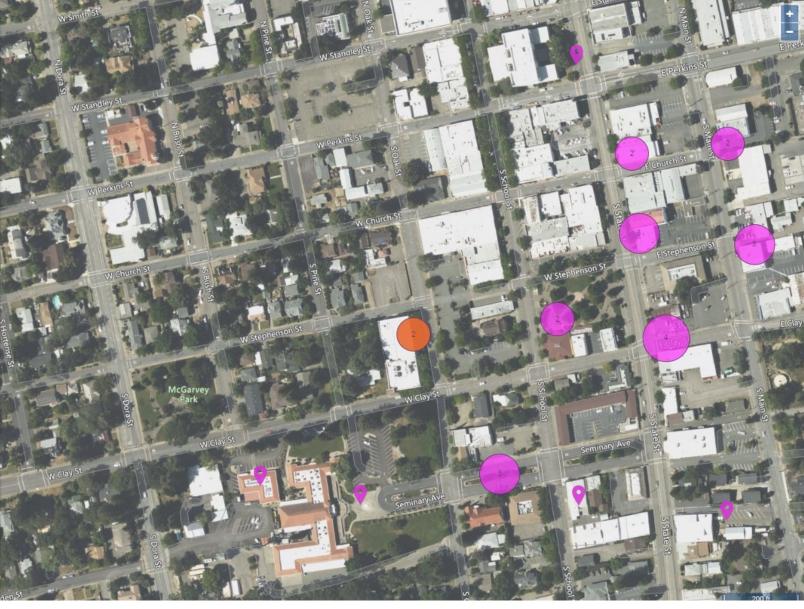
#### Regulatory Programs

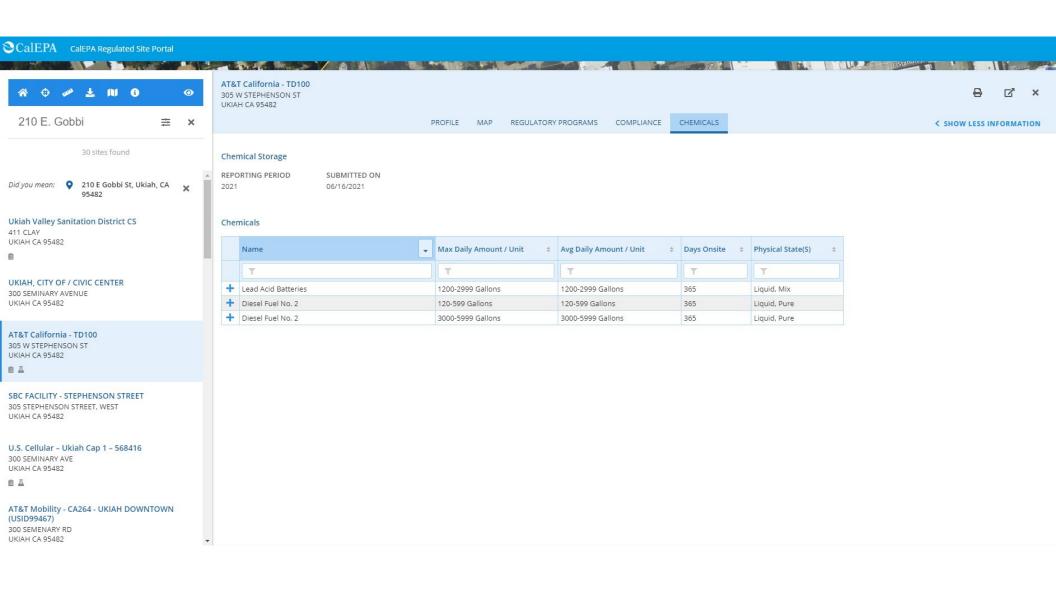
Aboveground Petroleum Storage Chemical Storage Facilities Hazardous Waste Generator Underground Storage Tank

#### Evaluations

Evaluations With Violations 2
Evaluations Without Violations 27

#### Violations





## BABCOCK LN UKIAH CA 95482

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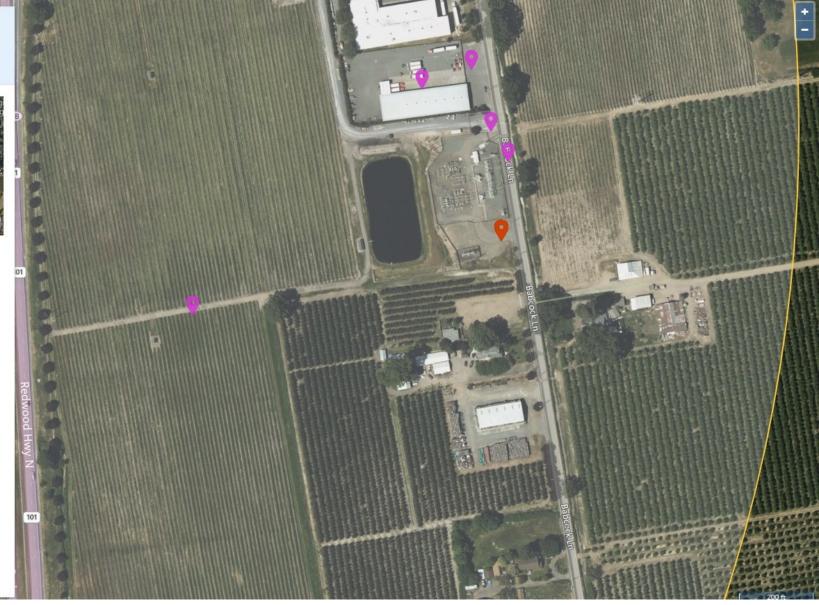
#### Regulatory Programs

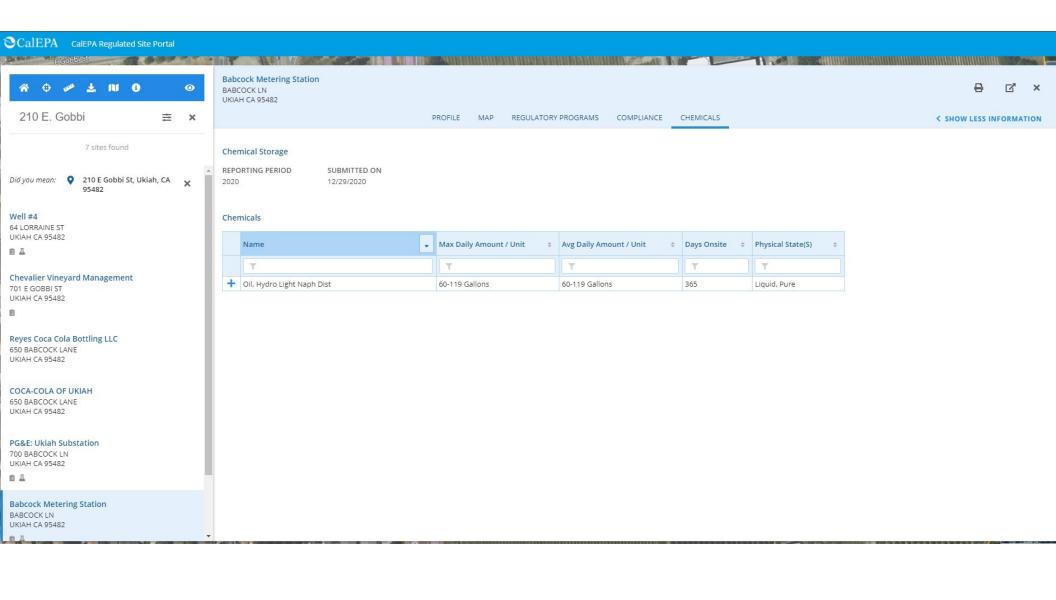
Chemical Storage Facilities

#### Evaluations

Evaluations With Violations
Evaluations Without Violations

Violations





Big Lots Ukiah 4446 225 SOUTH ORCHARD AVE UKIAH CA 95482

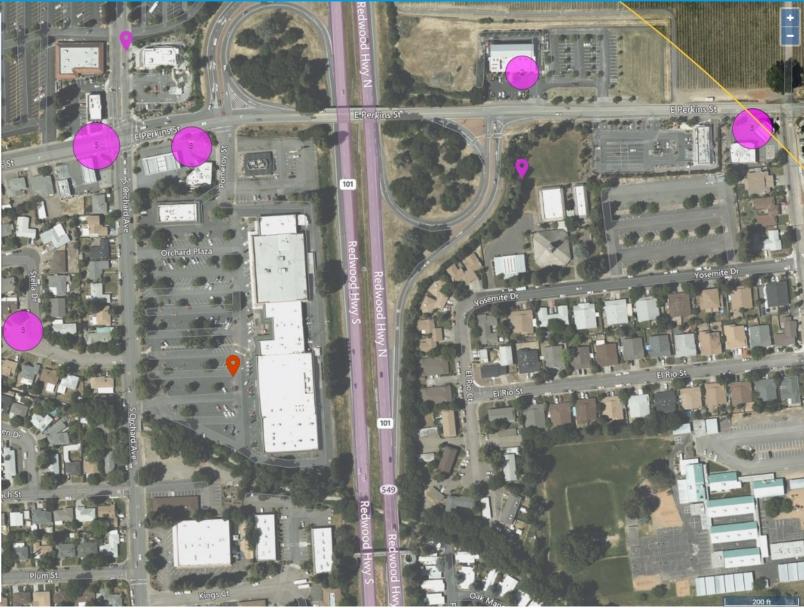
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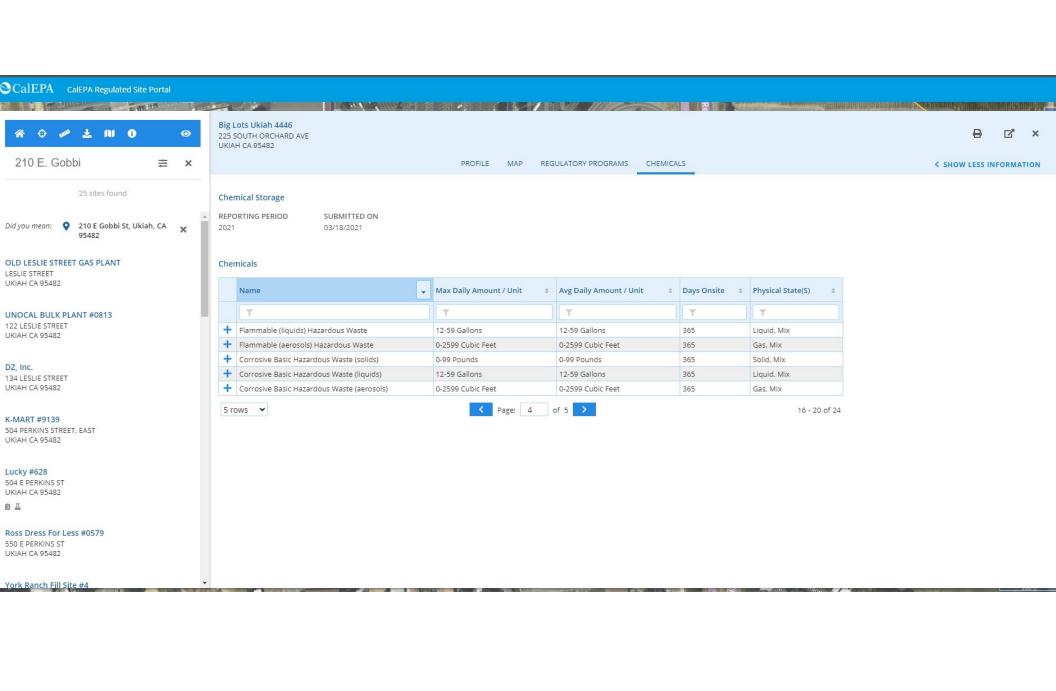
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### Regulatory Programs

Chemical Storage Facilities Hazardous Waste Generator





#### DFM Garage Inc dba DFM Auto Repair 575 S STATE ST UKIAH CA 95482

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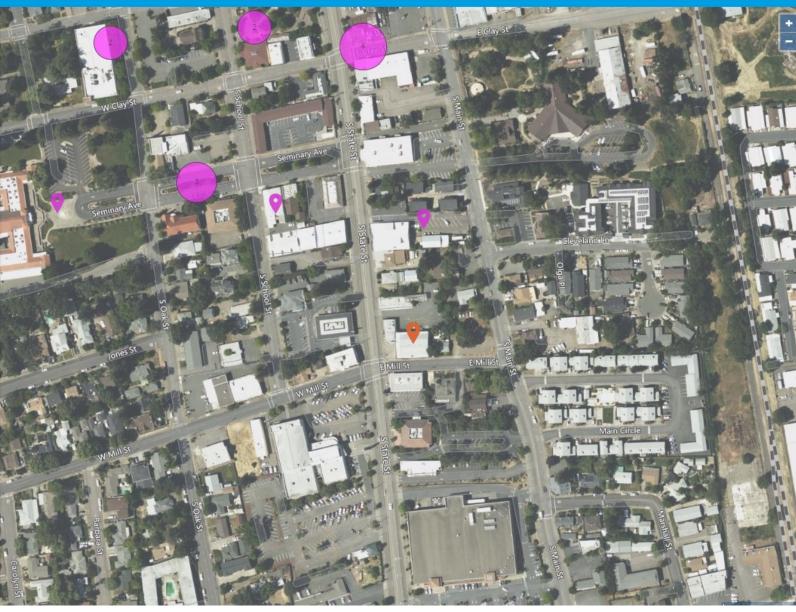
#### Regulatory Programs

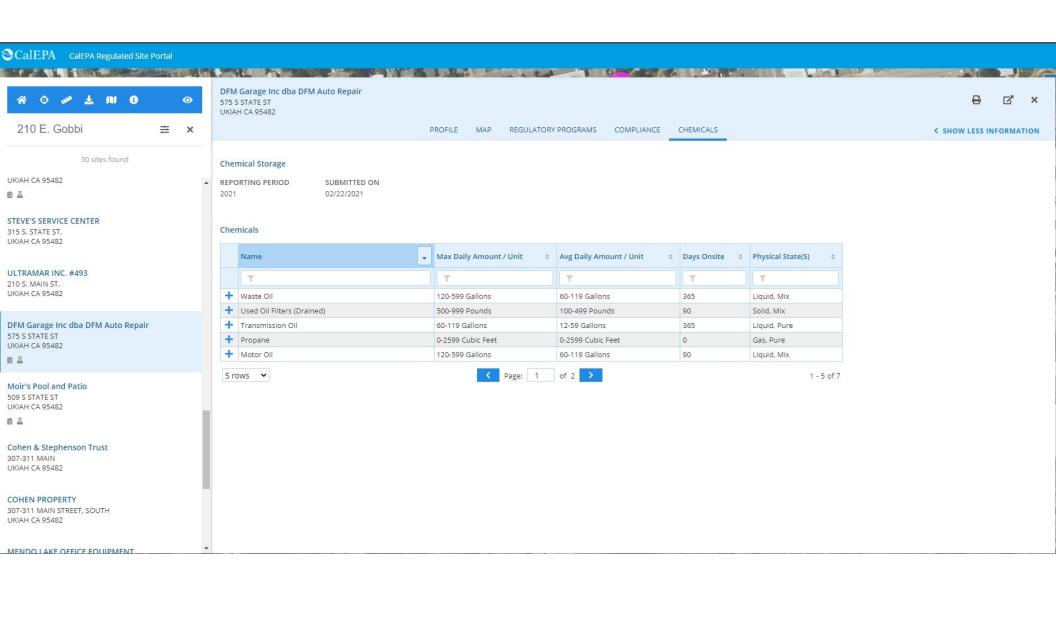
Chemical Storage Facilities Hazardous Waste Generator

#### Evaluations

Evaluations With Violations
Evaluations Without Violations

Violations





## Dorseys Auto Repair

359 NORTH SCHOOL STREET UKIAH CA 95482

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#### Regulatory Programs

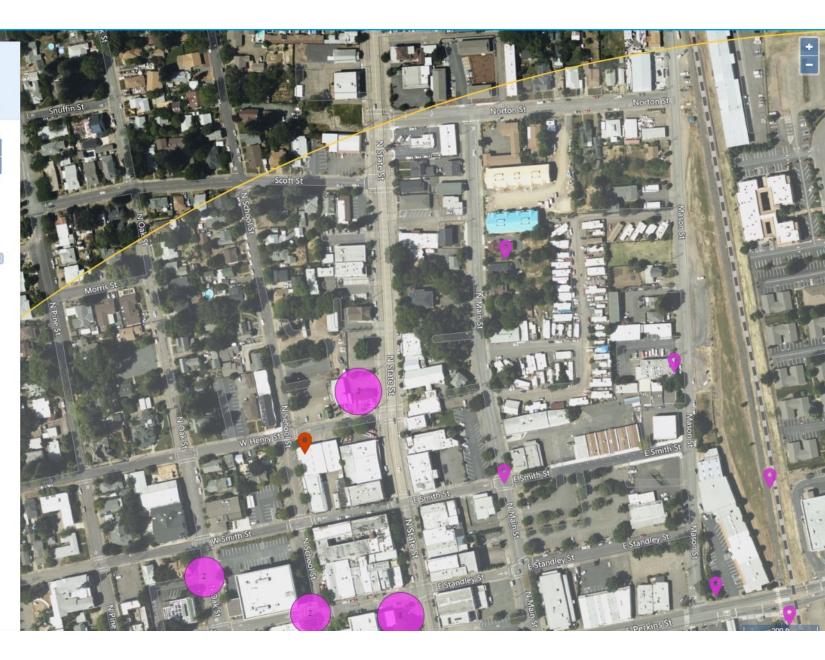
Chemical Storage Facilities Hazardous Waste Generator

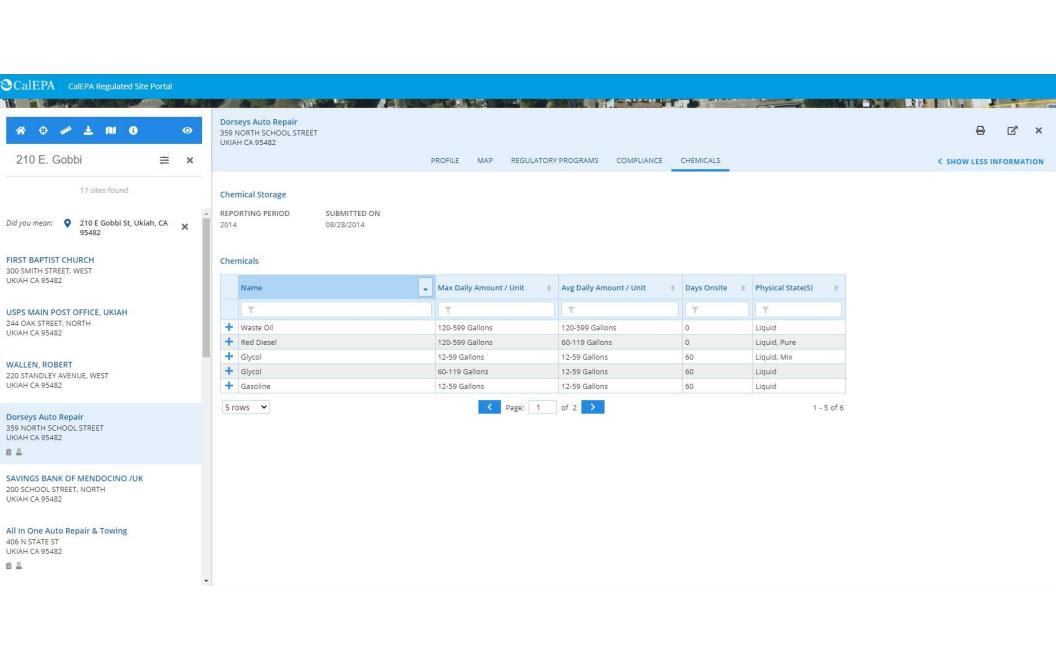
#### Evaluations

Evaluations With Violations 4
Evaluations Without Violations 8

#### Violations

Open 1 Resolved 4





#### GROW WEST UKIAH RETAIL 303 TALMAGE RD UKIAH CA 95482



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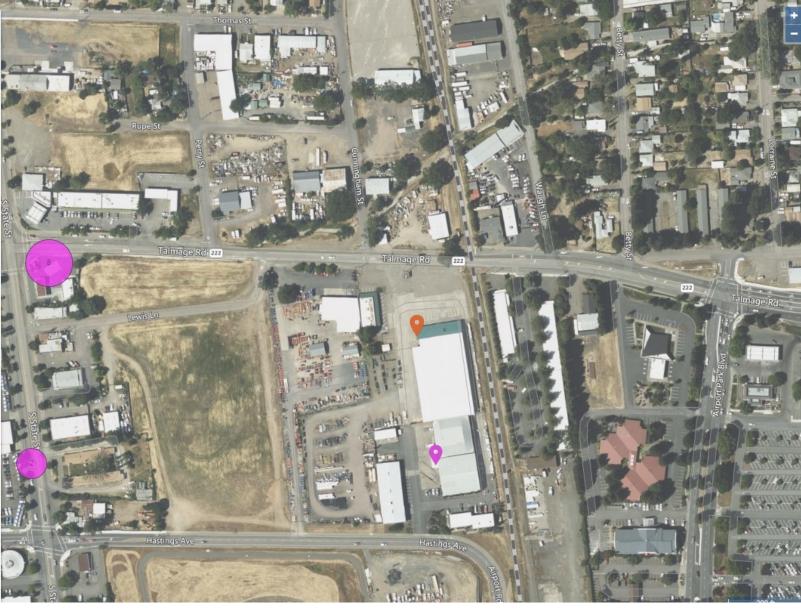
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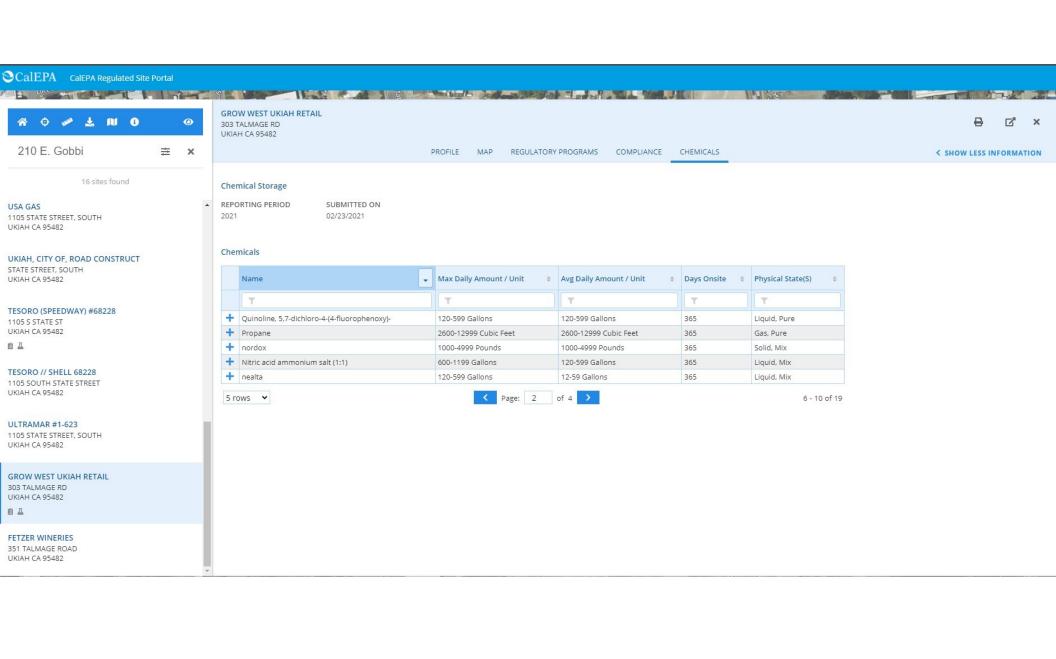


#### Regulatory Programs

Chemical Storage Facilities

#### Evaluations





#### The Home Depot Store #8408 350 N ORCHARD AVE

350 N ORCHARD AVE UKIAH CA 95482

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#### Regulatory Programs

Chemical Storage Facilities Hazardous Waste Generator

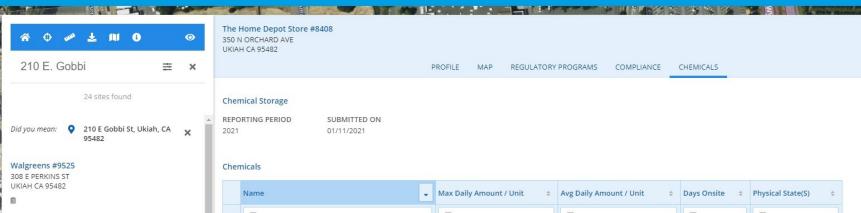
#### Evaluations

Evaluations With Violations 1
Evaluations Without Violations 9

#### Violations







UKIAH VALLEY MEDICAL CENTER

275 HOSPITAL DRIVE UKIAH CA 95482-4564

UKIAH VALLEY MEDICAL CENTER

UKIAH CA 00000

Ukiah Valley Medical Center

275 HOSPITAL DR UKIAH CA 95482

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Union Pacific Railroad (South of Perkins)

309 PERKINS STREET, EAST (MP 114) UKIAH CA 95482

K-MART #9139

Lucky #628

504 PERKINS STREET, EAST UKIAH CA 95482

The Home Depot Store #8408 350 N ORCHARD AVE UKIAH CA 95482

> PROFILE MAP REGULATORY PROGRAMS COMPLIANCE CHEMICALS

< SHOW LESS INFORMATION

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Chemical Storage

REPORTING PERIOD

SUBMITTED ON

01/11/2021

#### Chemicals

	Name	Max Daily Amount / Unit	Avg Daily Amount / Unit \$	Days Onsite \$	Physical State(S) \$
	Υ	Y	Y	Y	Y
+	Propane	600-1199 Gallons	600-1199 Gallons	365	Liquid, Pure
+	NON-RCRA HAZARDOUS WASTE LIQUID (WATER BASED PRODUCTS)	12-59 Gallons	12-59 Gallons	365	Liquid
+	NON DOT/NON RCRA REGULATED MATERIAL (PRESSURE TREATED WOOD)	1000-4999 Pounds	1000-4999 Pounds	365	Solid
+	Lead Acid Batteries	120-599 Gallons	120-599 Gallons	365	Liquid, Mix
+	Diesel Fuel	120-599 Gallons	120-599 Gallons	365	Liquid, Pure

Lucky #628 504 E PERKINS ST UKIAH CA 95482

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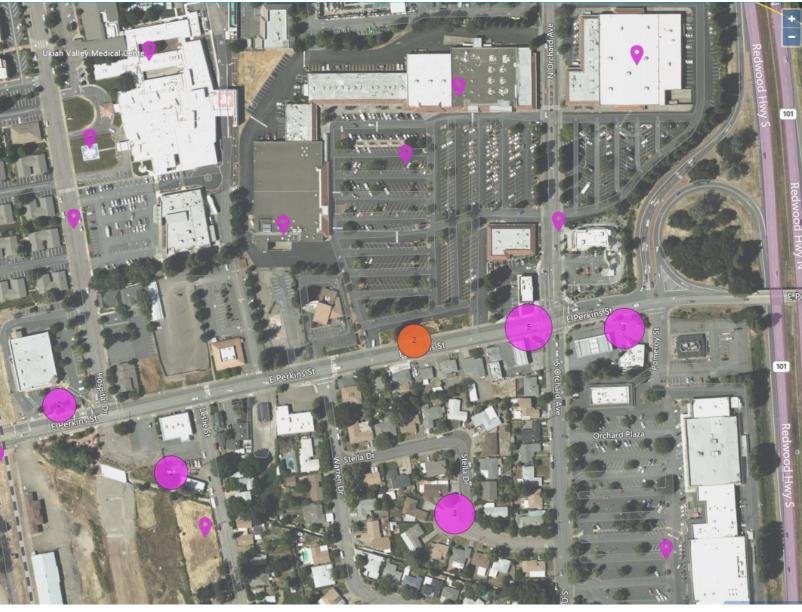
#### Regulatory Programs

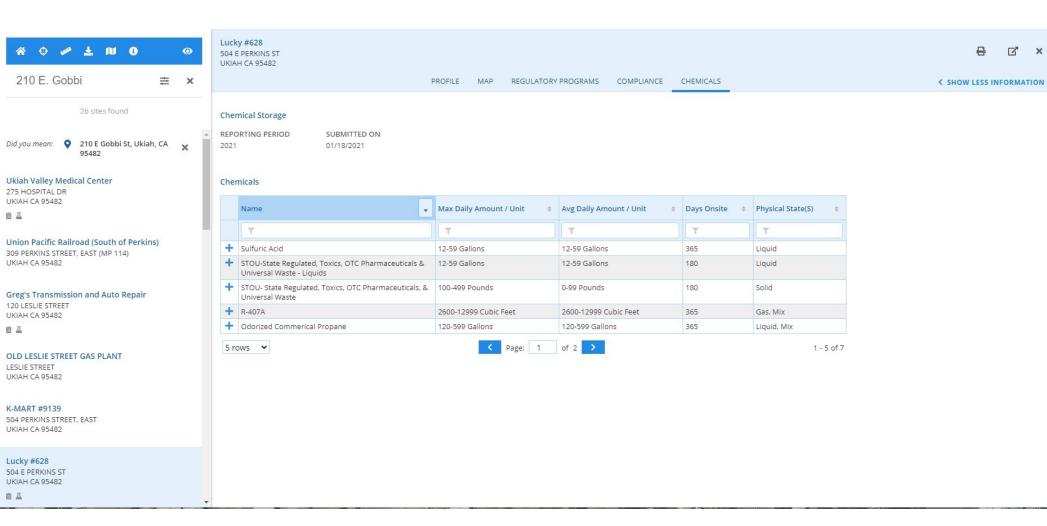
Chemical Storage Facilities Hazardous Waste Generator

#### Evaluations

Evaluations With Violations 1
Evaluations Without Violations 5

#### Violations





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#### Maverick Enterprises Inc 751 E GOBBI SREET UKIAH CA 95482

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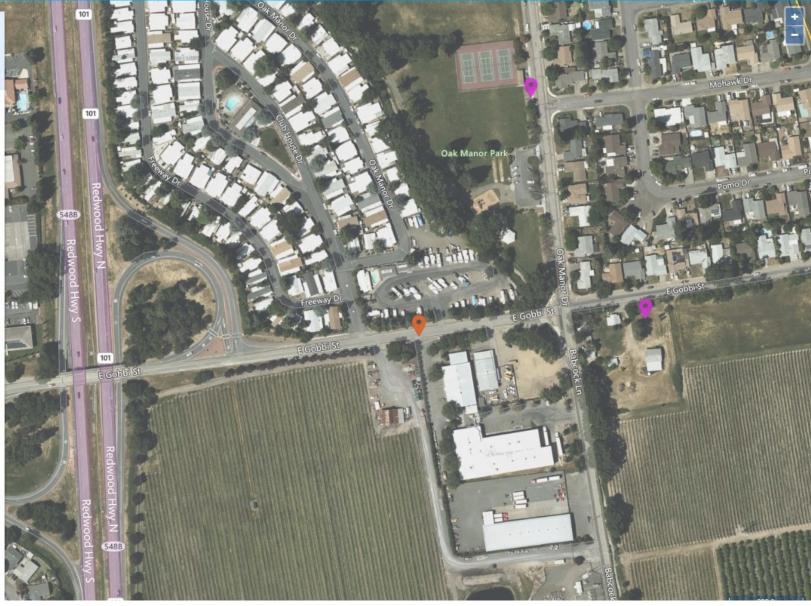
#### Regulatory Programs

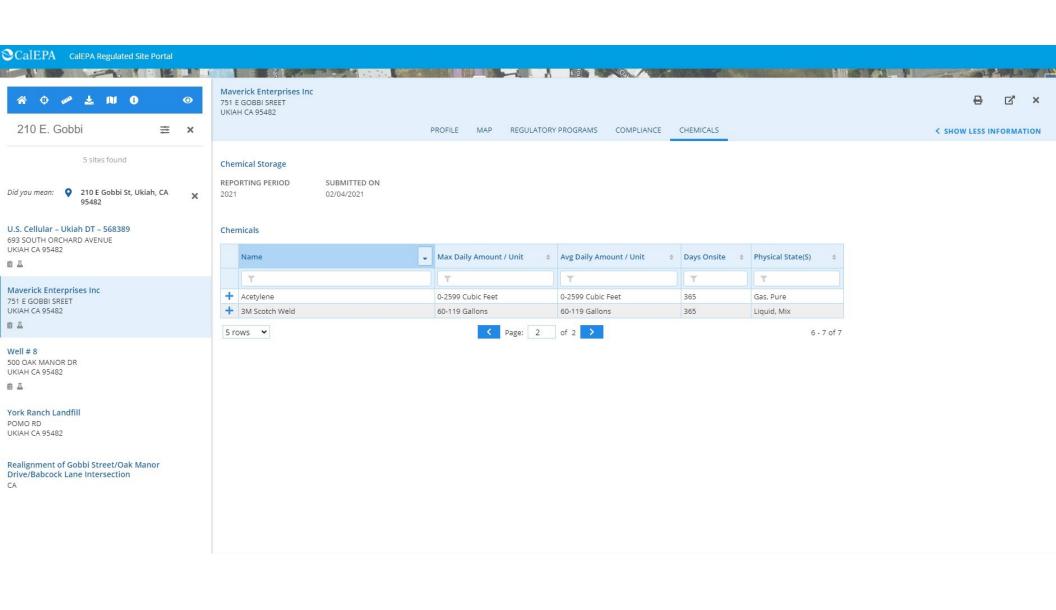
Chemical Storage Facilities Hazardous Waste Generator

#### Evaluations

Evaluations With Violations 1
Evaluations Without Violations 11

Violations





#### Orchard Substation 724 S ORCHARD AVE UKIAH CA 95482

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#### SHOW MORE INFORMATION >



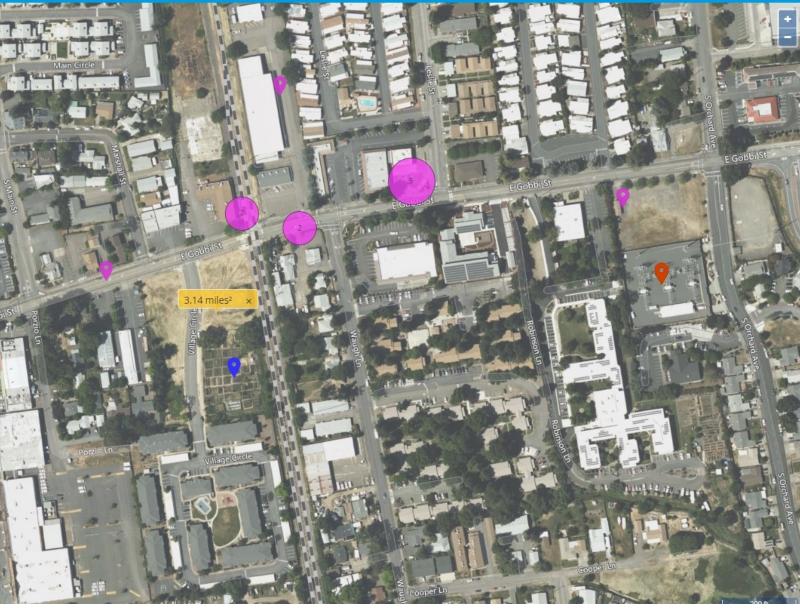
#### Regulatory Programs

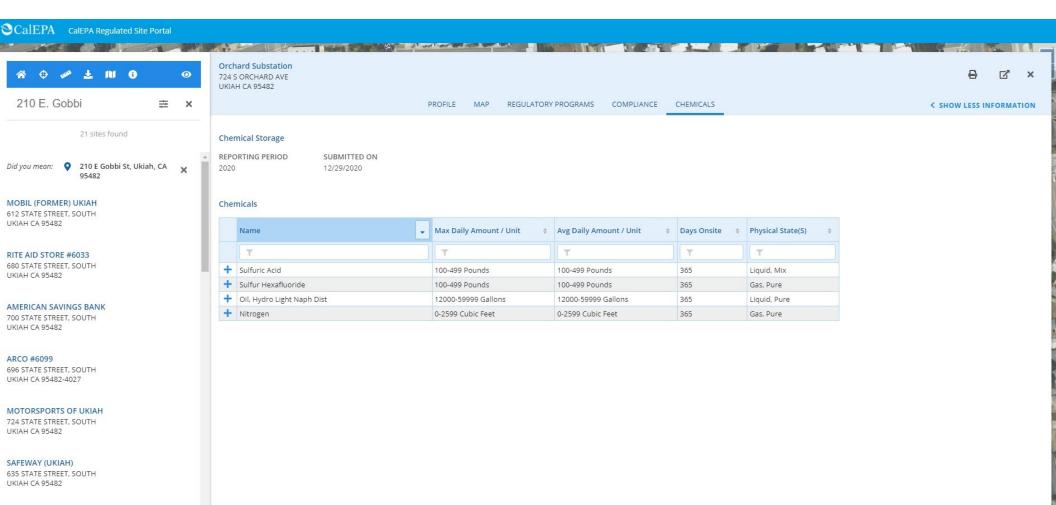
Chemical Storage Facilities

#### Evaluations

Evaluations With Violations
Evaluations Without Violations

#### Violations





Safeway 1583