

# 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.

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)	

# **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.

- 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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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?	1199
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)	298.29
ASD for Thermal Radiation for Buildings (ASDBPU)	54.68
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

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

## A J'S FUEL & FOODMART INC 5955 SOQUEL DR SOQUEL CA 95073

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11

18

### SHOW MORE INFORMATION >



# Regulatory Programs

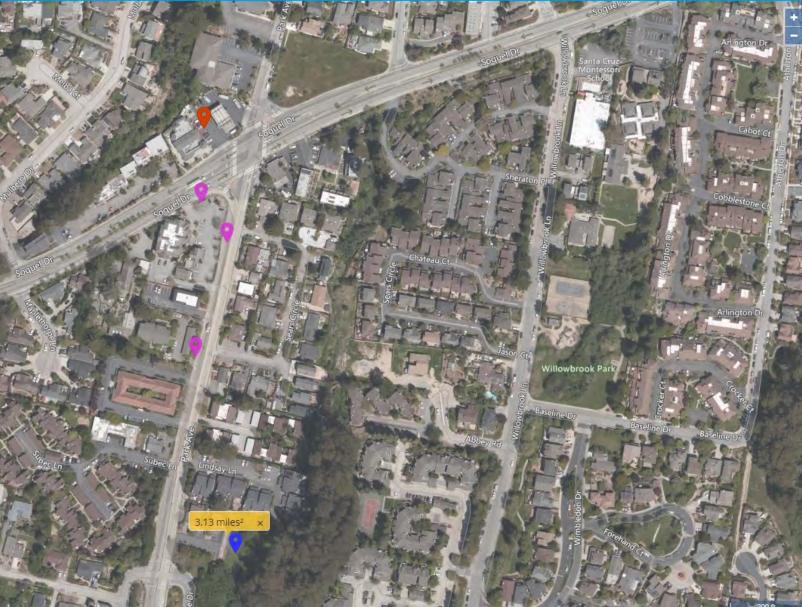
**Evaluations With Violations** 

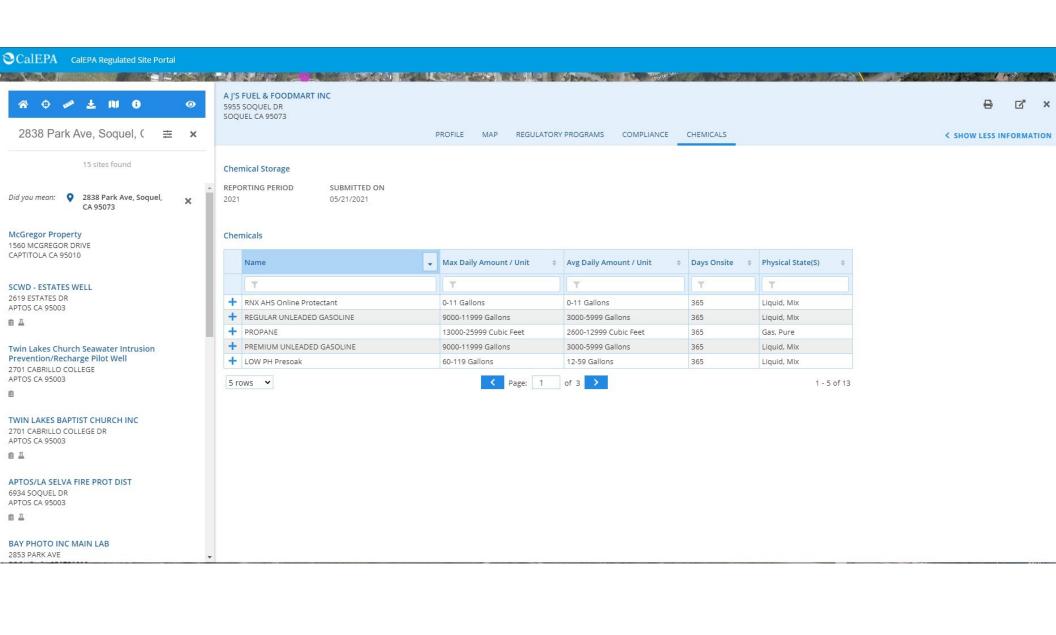
**Evaluations Without Violations** 

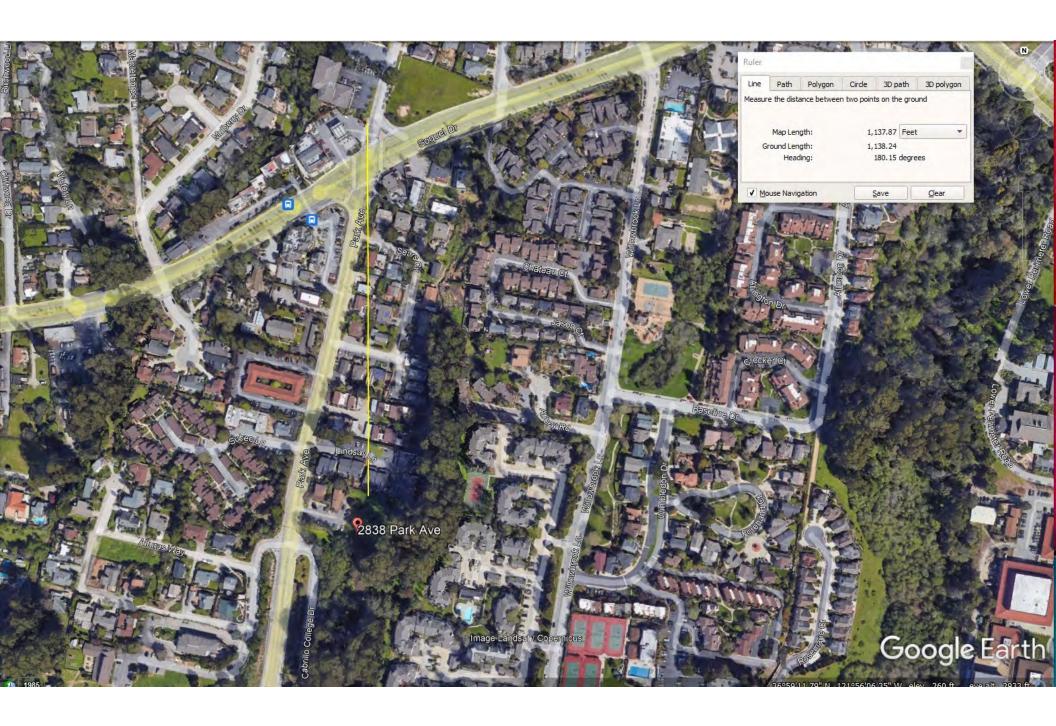
Chemical Storage Facilities US EPA Air Emission Inventory System (EIS) Underground Storage Tank

### Evaluations

Violations
Total
Compliance











5 sites found

Did you mean: 2838 Park Ave, Soquel, CA 95073

# AT&T Mobility - CABRILLO COLLEGE (CN3767) (USID102503)

6500 SOQUEL DR APTOS CA 95003

APTOS CA 9500

#### T-Mobile West, LLC SF05739A

6500 SOQUEL DR APTOS CA 95003

自旦

#### SPRINT CELL SITE FS22XC013

6500 SOQUEL DR APTOS CA 95003

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## Verizon Wireless Aptos

6500 SOQUEL DR APTOS CA 95003

CABRILLO COLLEGE 6500 SOQUEL DR

CABRILLO COLLEGE 6500 SOQUEL DR APTOS CA 95003

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## Regulatory Programs

Chemical Storage Facilities Hazardous Waste Generator US EPA Air Emission Inventory System (EIS) Underground Storage Tank

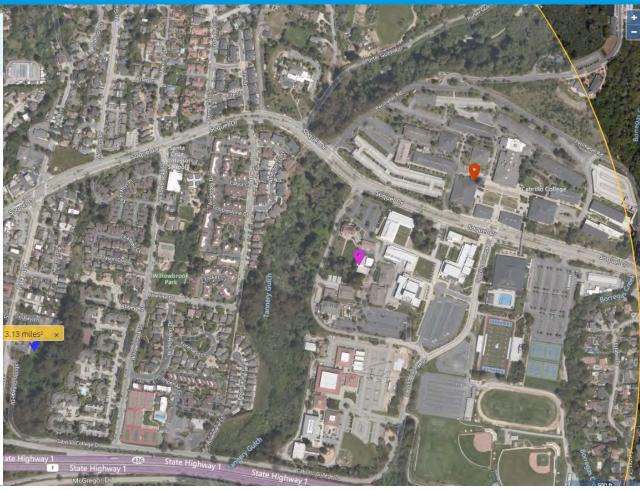
#### Evaluations

Evaluations With Violations 10
Evaluations Without Violations 7

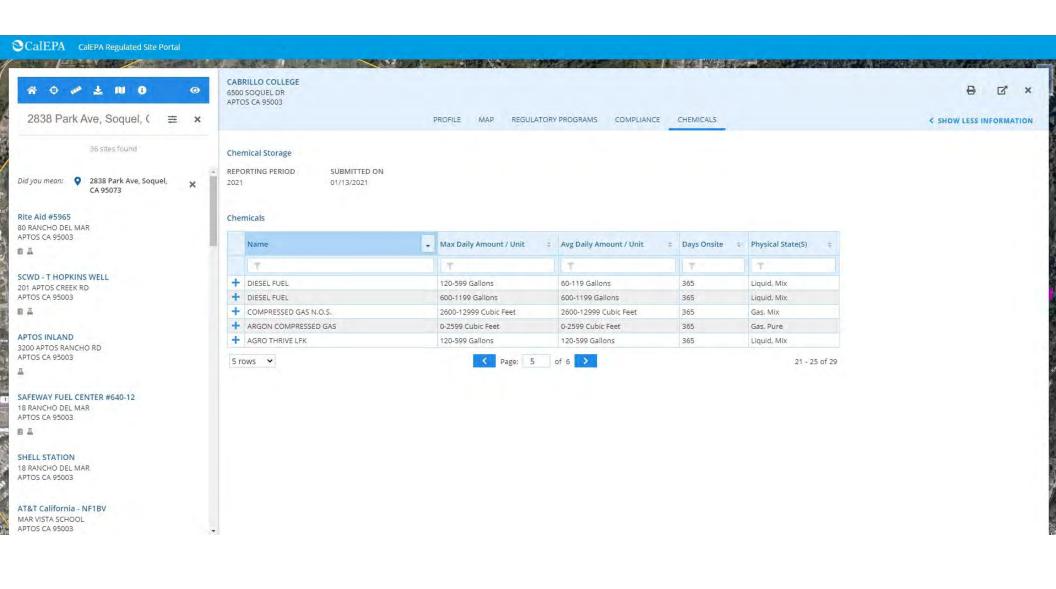
Violations Total

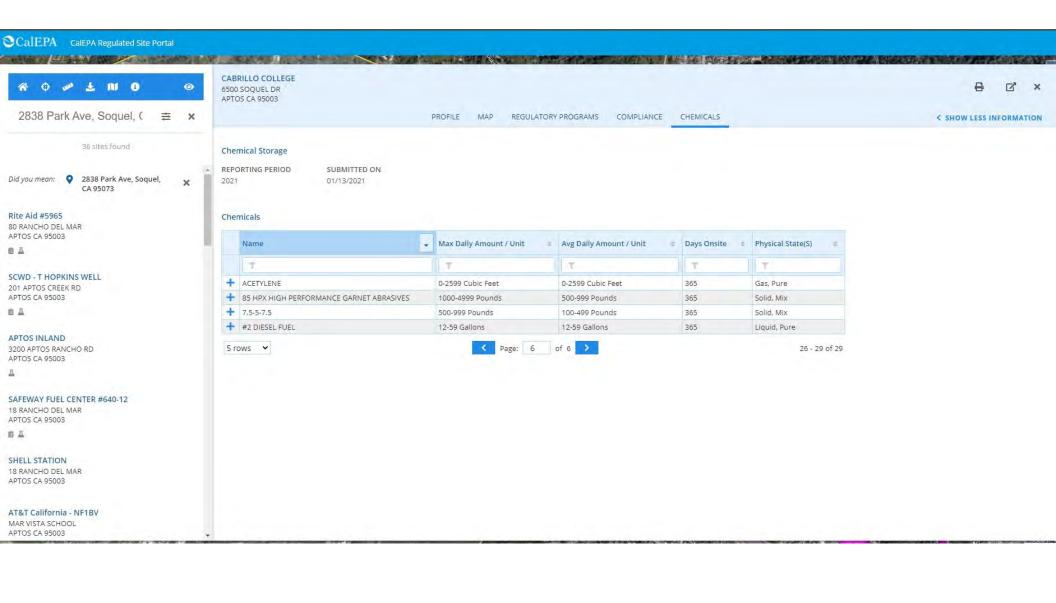
Total 17

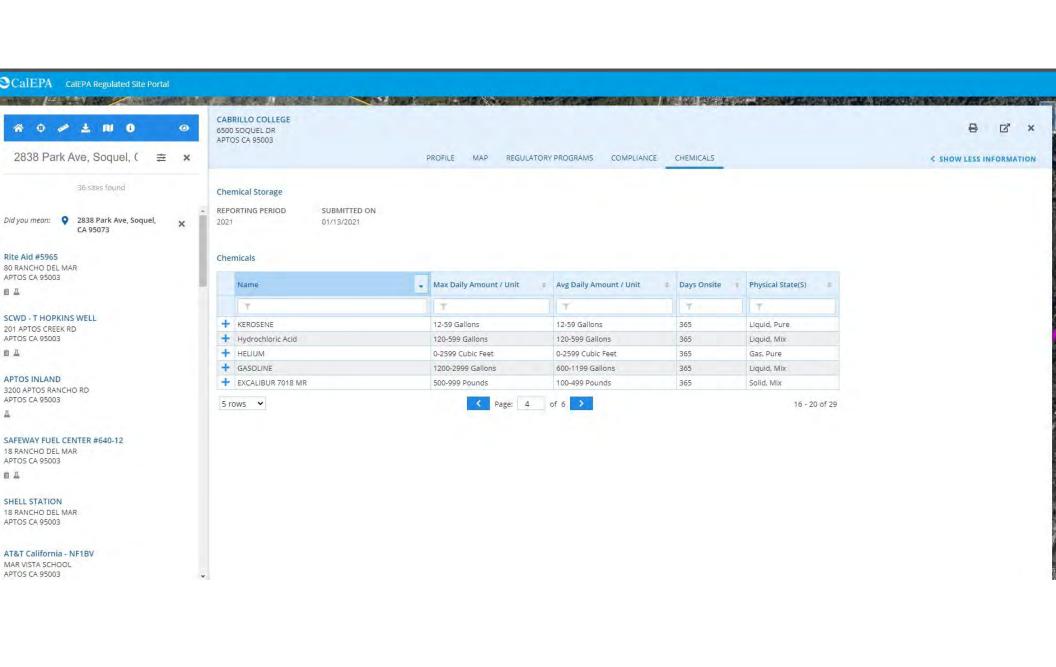
Compliance













Ethrington Way

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# Regulatory Programs

Aboveground Petroleum Storage Chemical Storage Facilities Hazardous Waste Generator

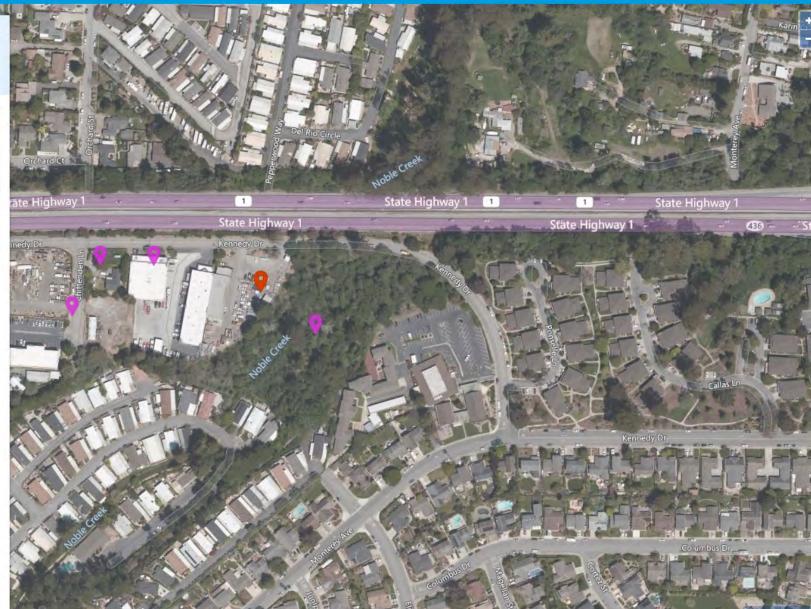
### **Evaluations**

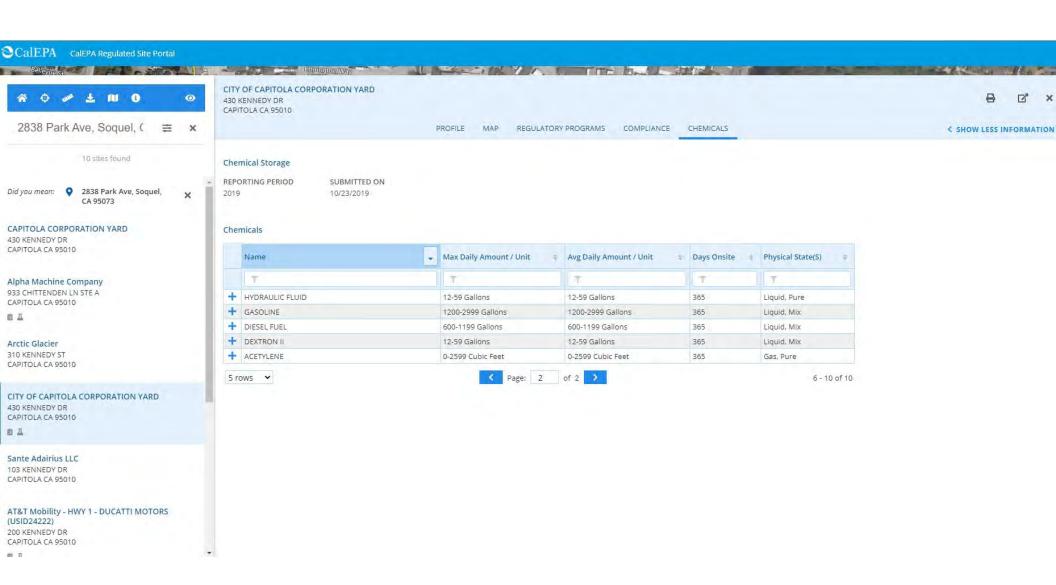
Evaluations With Violations 1
Evaluations Without Violations 11

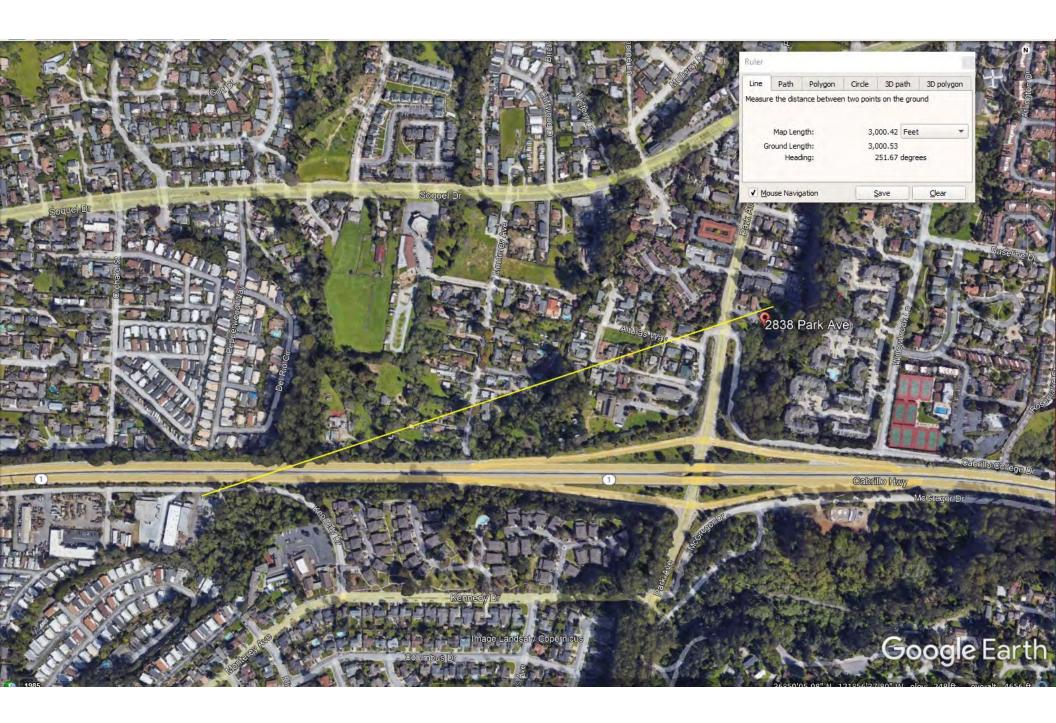
# Violations

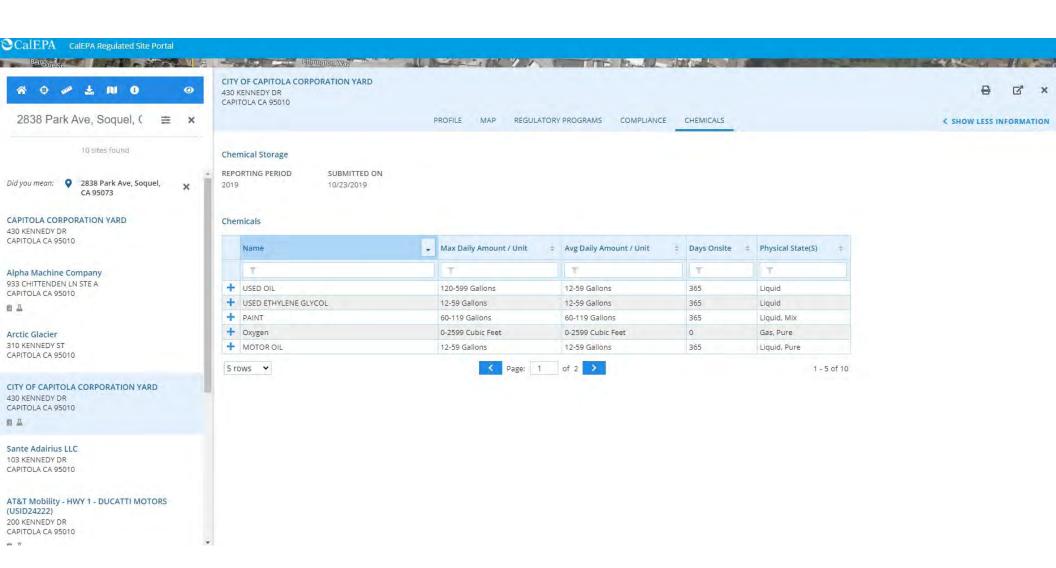
Total 1

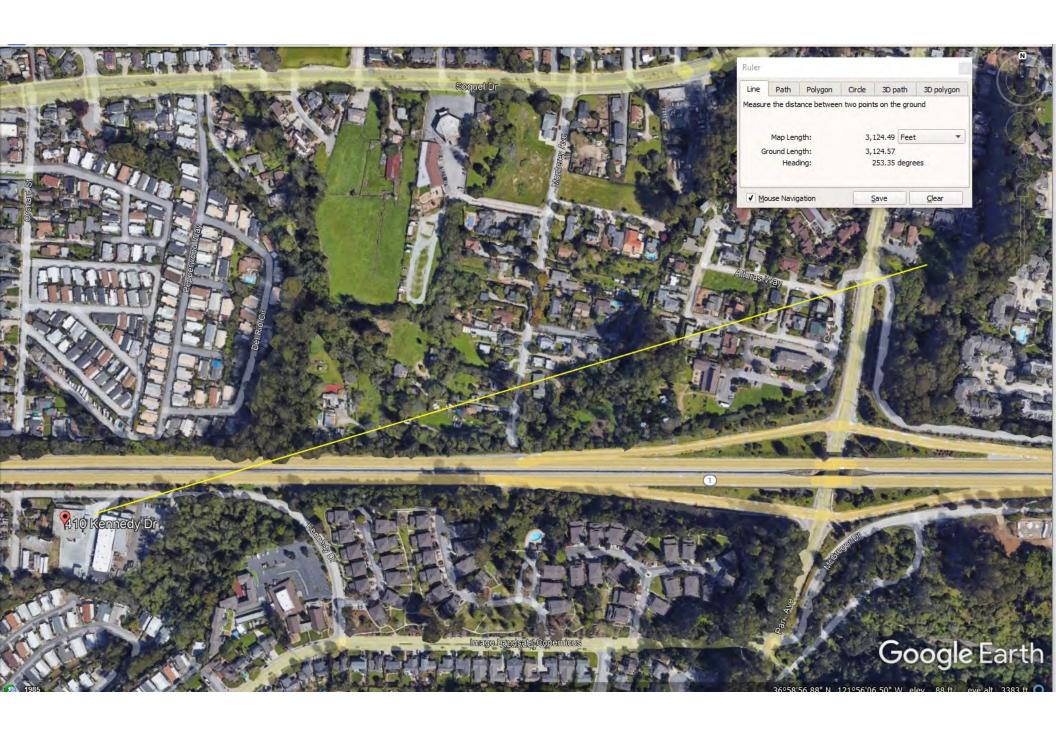
# Compliance

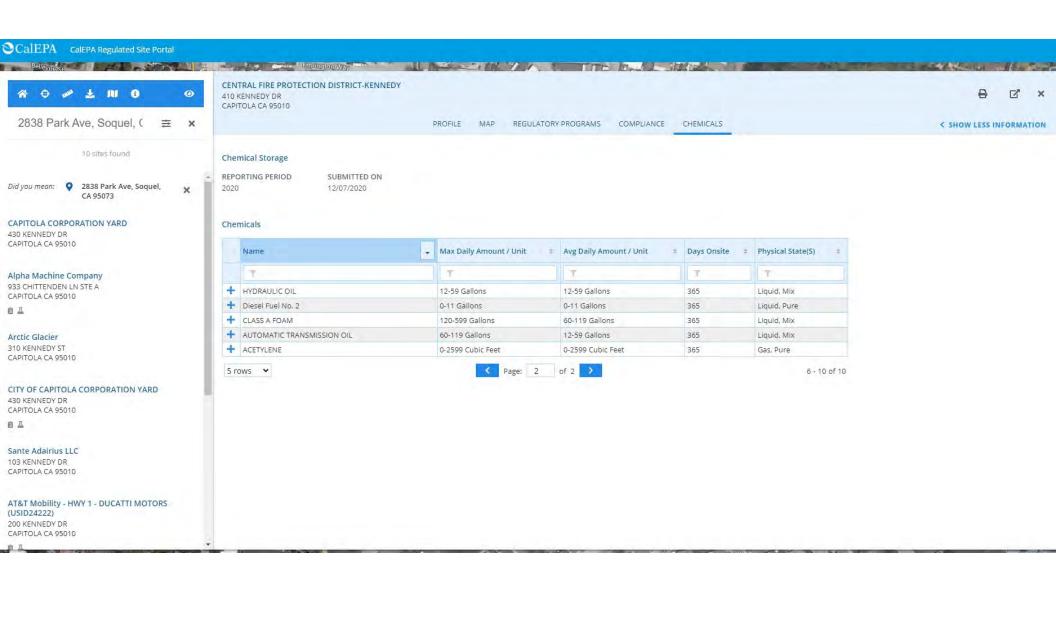


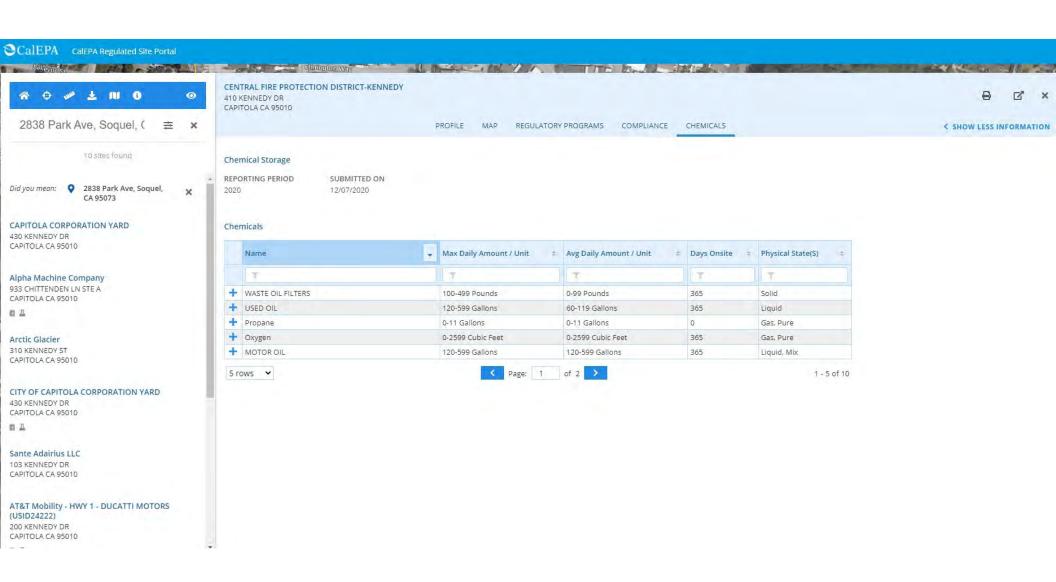


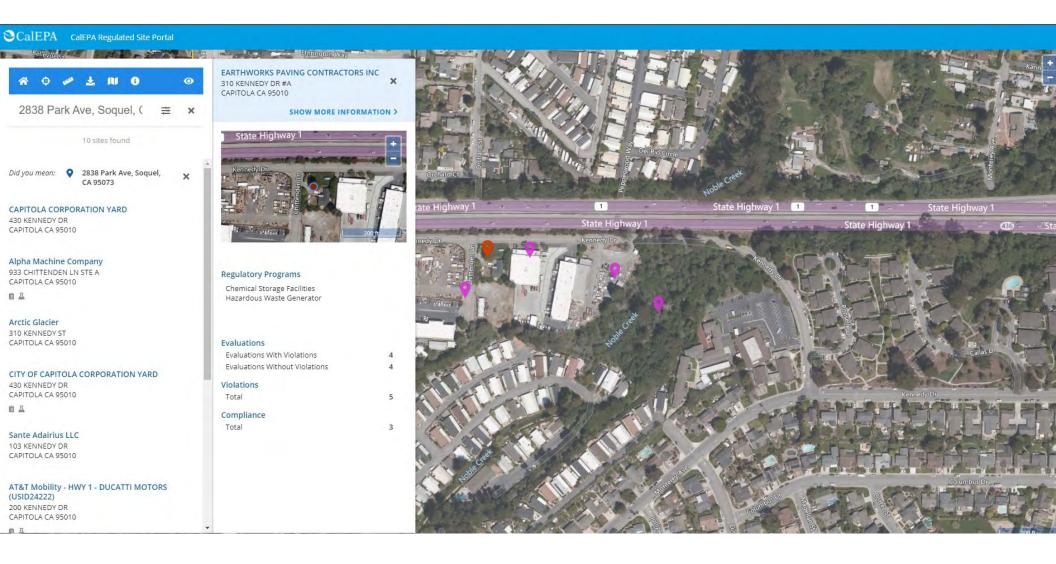




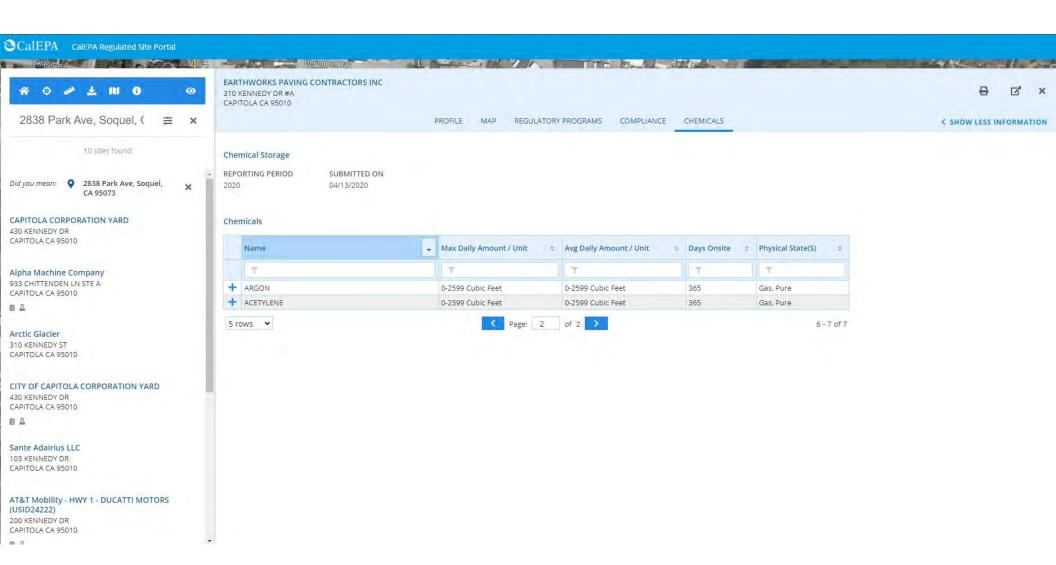


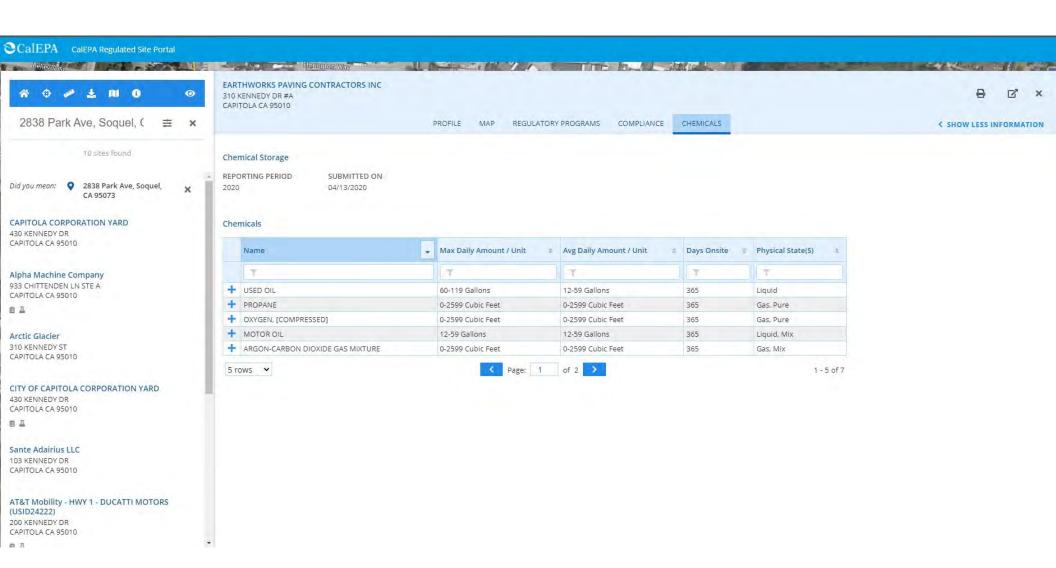












## LAKESIDE ORGANIC - COSMES RANCH 160 LAKEVIEW RD

WATSONVILLE CA 95076

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## Regulatory Programs

Chemical Storage Facilities

### Evaluations

Evaluations With Violations 1
Evaluations Without Violations 5

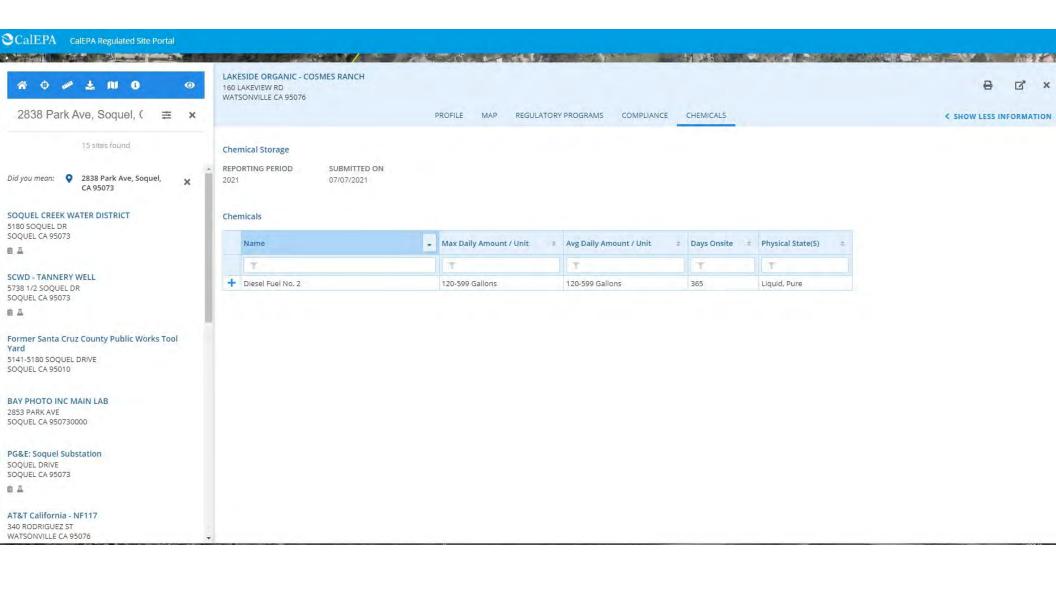
# Violations

Total

# Compliance







### NEW BRIGHTON STATE BEACH 1500 PARK AVE CAPITOLA CA 95010



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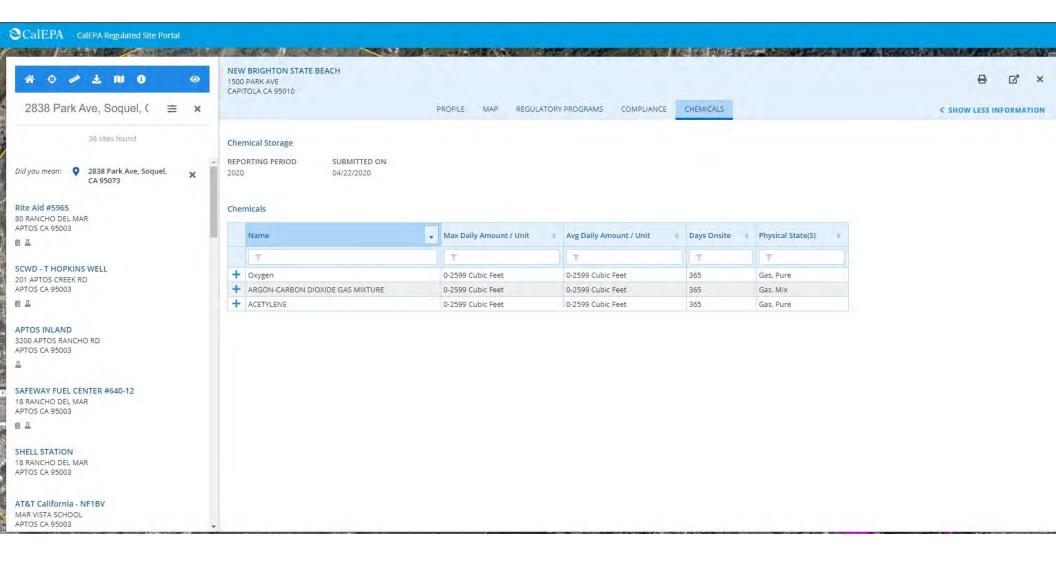


# Regulatory Programs

Chemical Storage Facilities Leaking Underground Storage Tank Cleanup Site

## Evaluations







5 sites found

Did you mean: 2838 Park Ave, Soquel, CA 95073

# SOQUEL CREEK WATER DISTRICT 5180 SOQUEL DR

5180 SOQUEL DR SOQUEL CA 95073

直 基

# PG&E: Soquel Substation SOQUEL DRIVE

SOQUEL CA 95073

QUIK STOP MARKET NO 78

5505 SOQUEL DR SOQUEL CA 95073

#### QUIK STOP MARKET #78

5505 SOQUEL DR SOQUEL CA 95073

鱼瓜

## The Farm Property

5555 SOQUEL DRIVE SOQUEL CA 95073

#### PG&E: Soquel Substation SOQUEL DRIVE SOQUEL CA 95073

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## Regulatory Programs

Chemical Storage Facilities

#### Evaluations

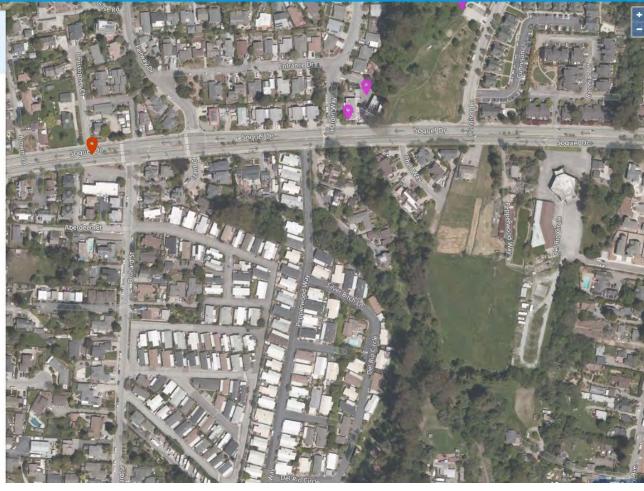
Evaluations With Violations 1
Evaluations Without Violations 5

2

## Violations

Total

## Compliance





#### **QUIK STOP MARKET #78**

5505 SOQUEL DR SOQUEL CA 95073

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#### SHOW MORE INFORMATION >



# Regulatory Programs

Chemical Storage Facilities Hazardous Waste Generator Underground Storage Tank

## **Evaluations**

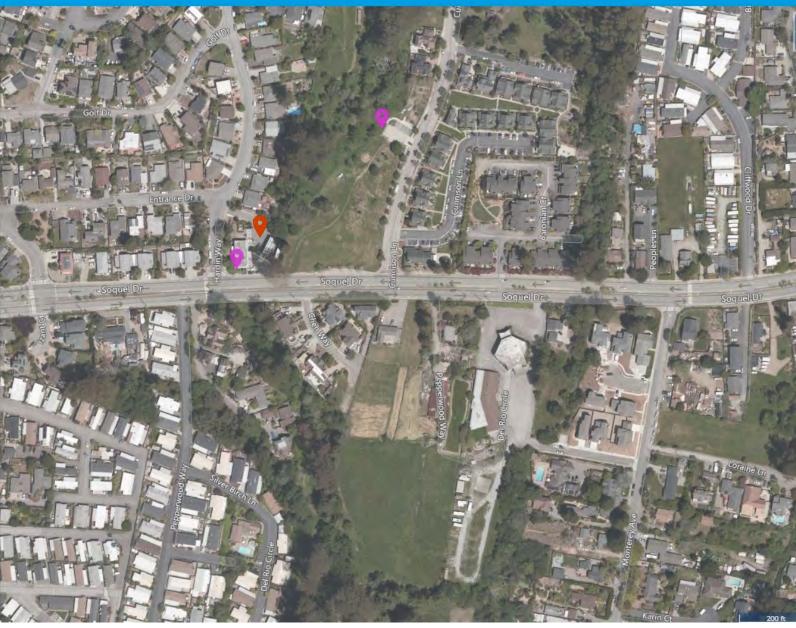
Evaluations With Violations 9
Evaluations Without Violations 17

Violations

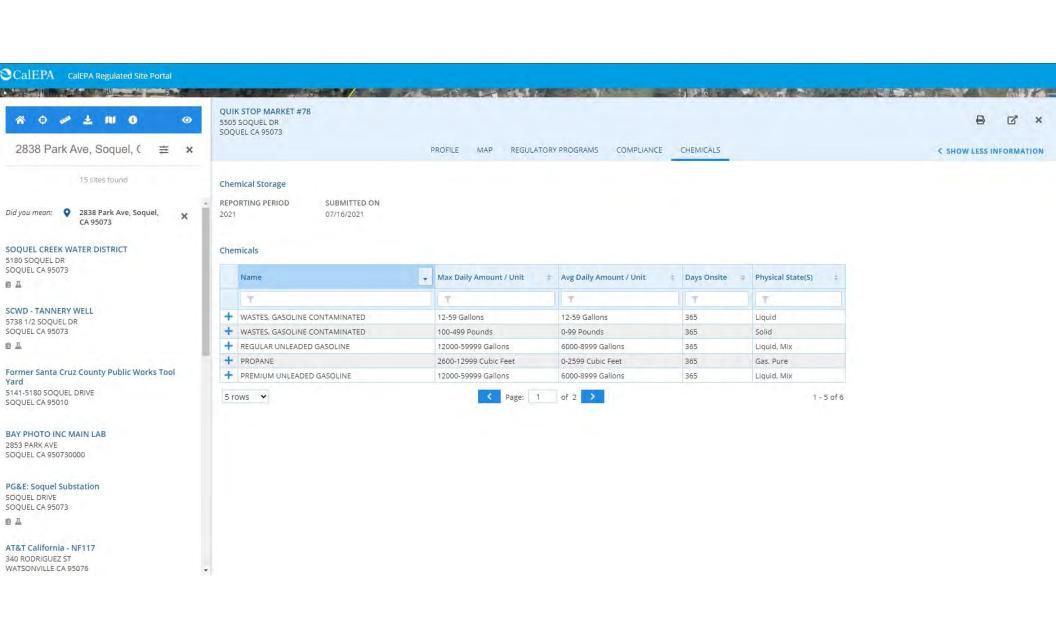
Total 15

Compliance

Total 6







SCWD - TANNERY WELL 5738 1/2 SOQUEL DR SOQUEL CA 95073

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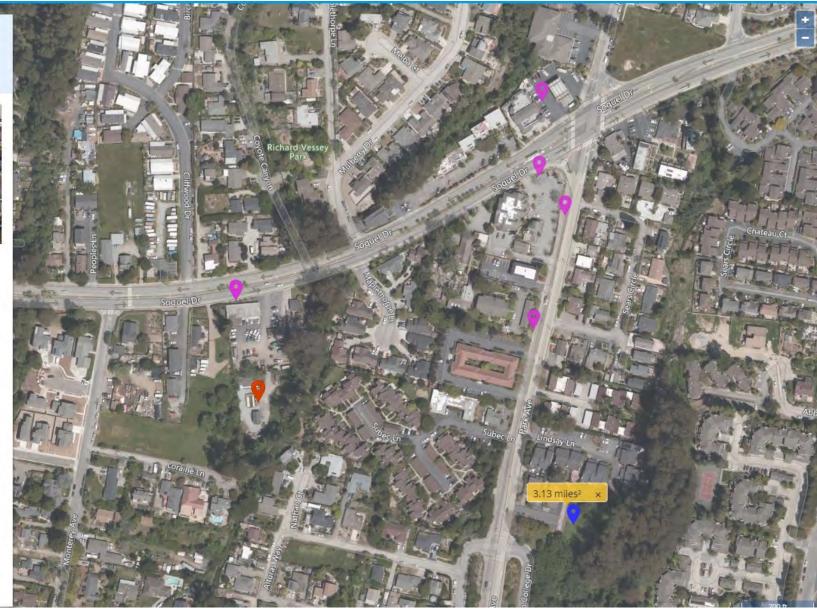
## Regulatory Programs

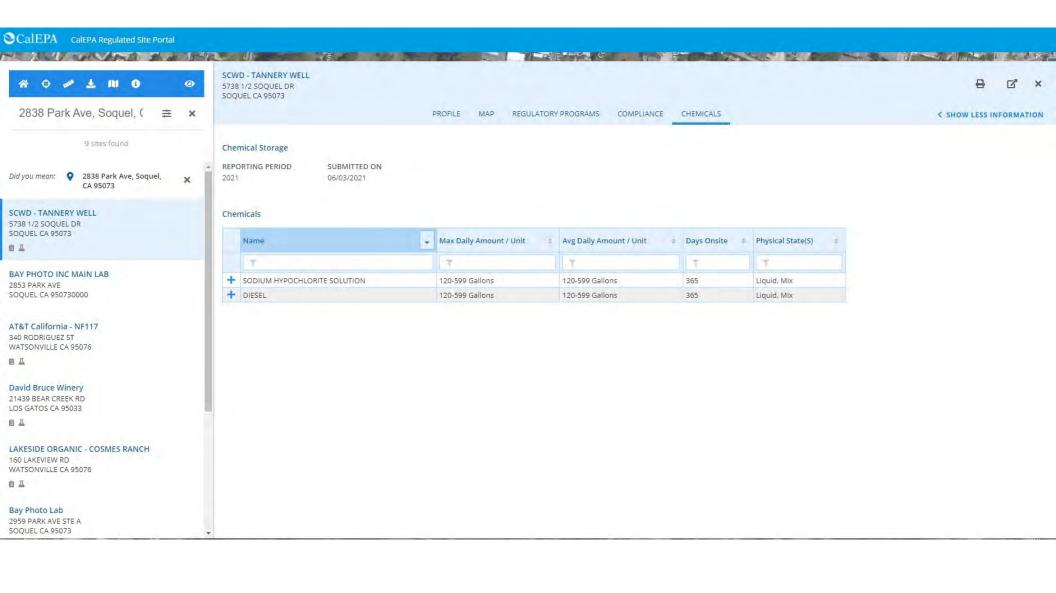
Chemical Storage Facilities

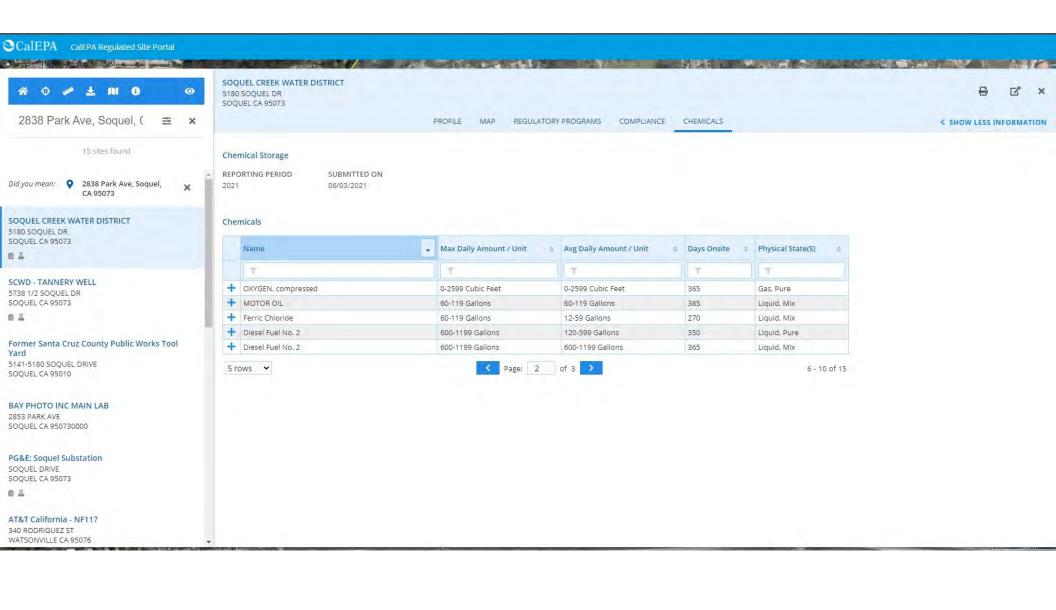
### Evaluations

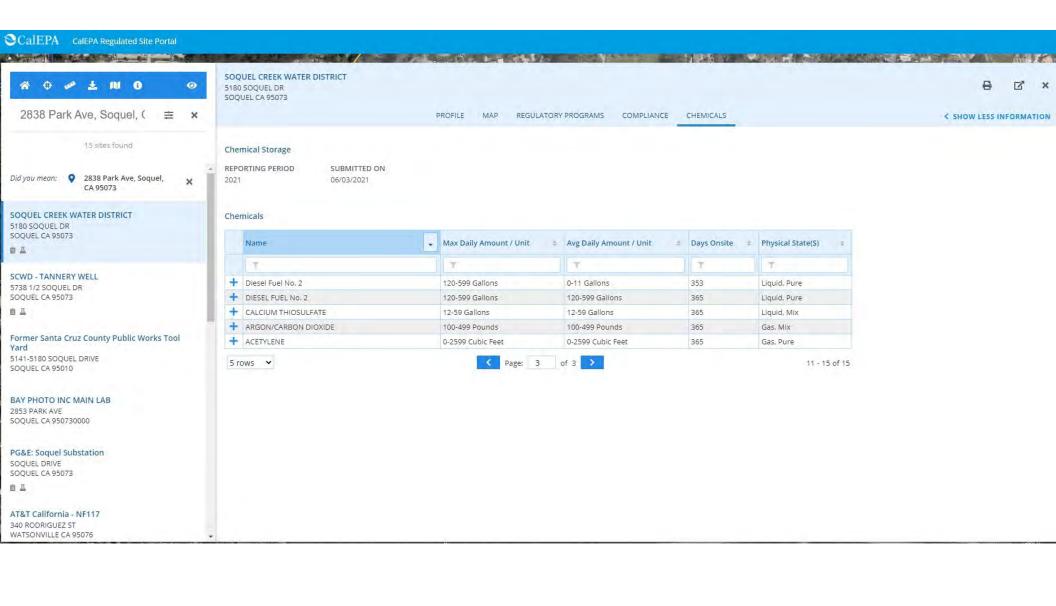
Total

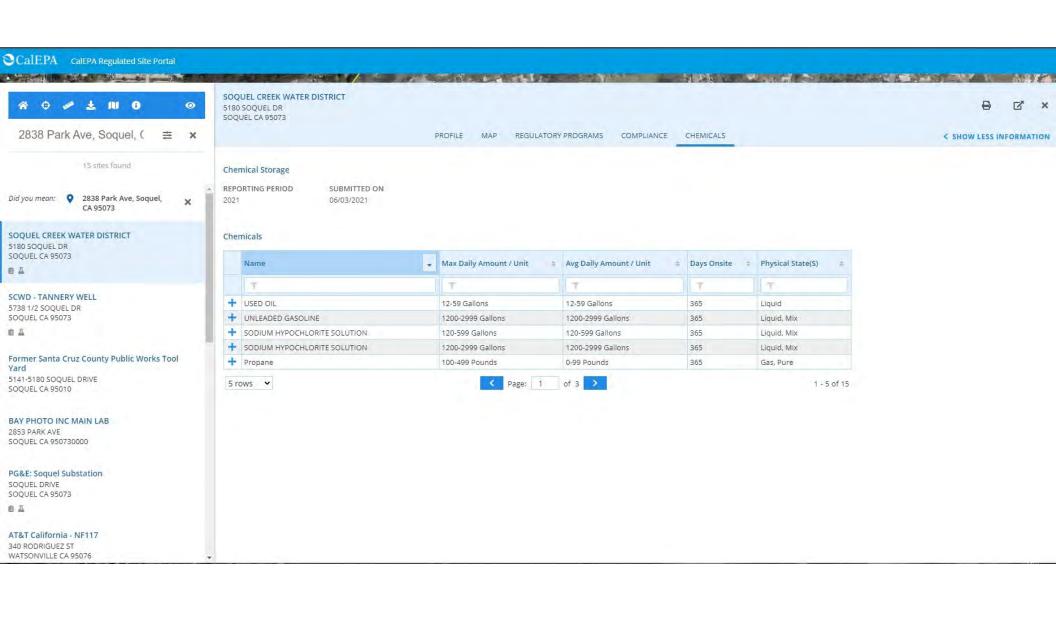
6













#### TWIN LAKES BAPTIST CHURCH INC 2701 CABRILLO COLLEGE DR APTOS CA 95003

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## Regulatory Programs

Chemical Storage Facilities Hazardous Waste Generator

## Evaluations

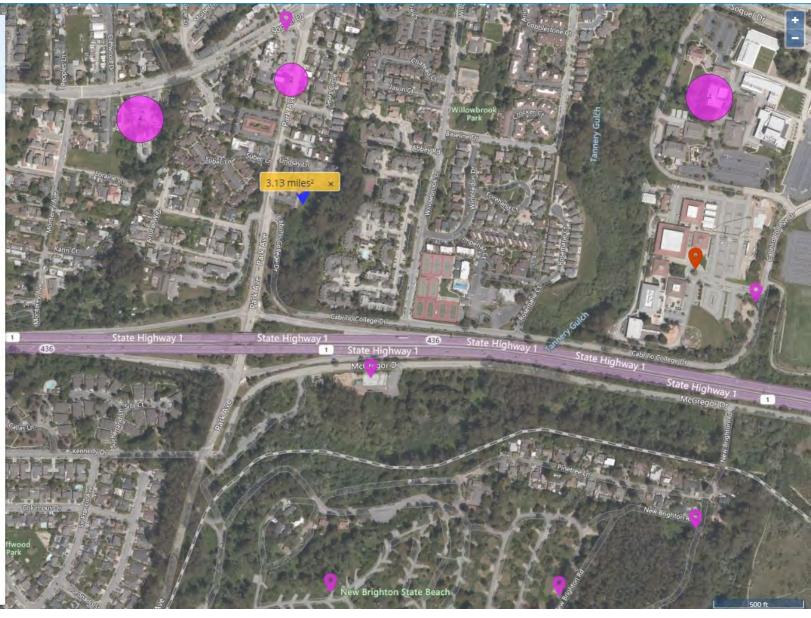
Evaluations With Violations 3
Evaluations Without Violations 7

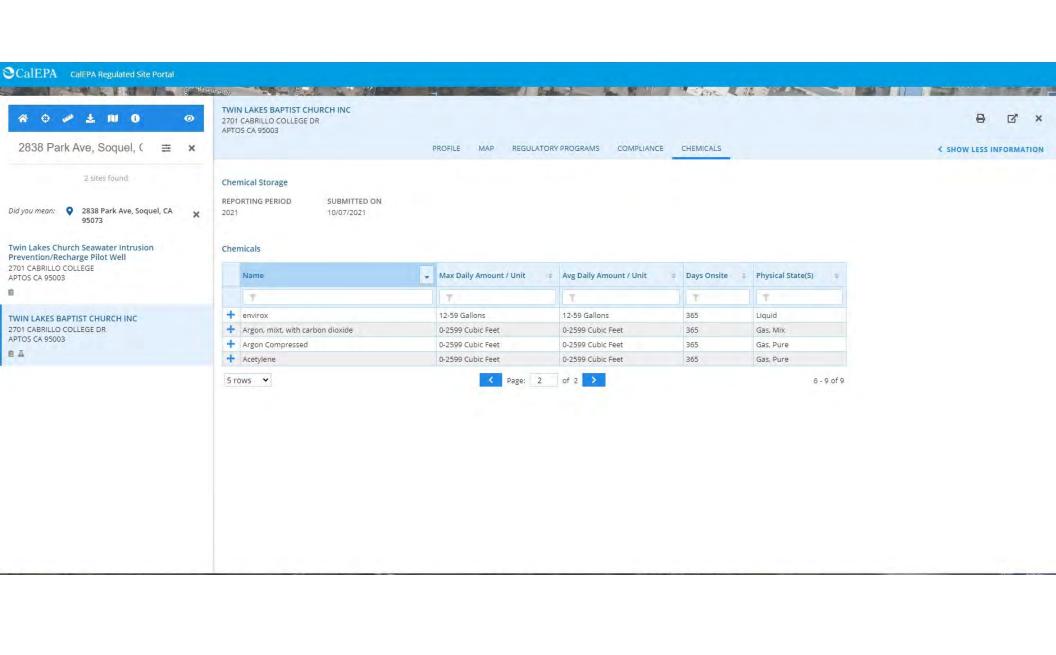
#### Violations

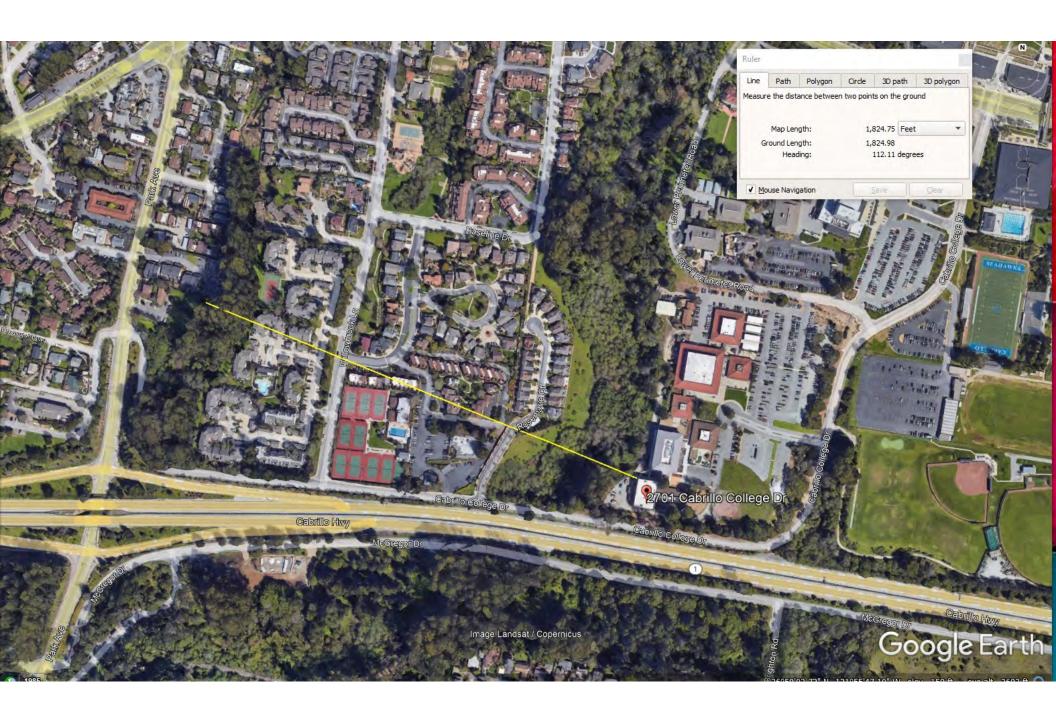
Total 6

## Compliance

Total 3







## Verizon Wireless Aptos 6500 SOQUEL DR APTOS CA 95003

1

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## Regulatory Programs

Chemical Storage Facilities

#### Evaluations

**Evaluations With Violations Evaluations Without Violations** 

#### Violations

Total

# Compliance

Total

