



**TO:** Mayor and Councilmembers

**FROM:** Vyto Adomaitis, Neighborhood Services & Public Safety Director

**SUBJECT:** Ellwood Canyon Hydrogen Sulfide (H<sub>2</sub>S) Post Incident Report

**RECOMMENDATION:**

Receive an update on the Hydrogen Sulfide (H<sub>2</sub>S) Incident that occurred in Ellwood Canyon on October 9, 2016, and the post-incident actions taking place.

**BACKGROUND**

Hydrogen Sulfide (H<sub>2</sub>S) is a colorless gas with the characteristic foul odor of rotten eggs (sulfur); it is heavier than air, and potentially very poisonous, corrosive, flammable, and explosive when concentrated. Its odor is easily detected. Hydrogen sulfide often results from the breakdown of organic matter in the absence of oxygen, such as in swamps and sewers. It also occurs in volcanic gases, natural gas, and in well water where H<sub>2</sub>S is naturally occurring, as it is in this area. Venoco monitors for this gas as a byproduct of processing activity at its onshore facility (EOF).

On October 9, 2016, the Santa Barbara County Fire Department received a number of reports regarding a strong foul-smelling odor similar to rotten eggs, sulfur or gas in western Goleta. The ensuing incident, during which the Fire Department and several agencies responded to identify and contain the source of the odor, resulted in public safety concerns and identified deficiencies in notification protocols from the responding agencies.

On October 18, 2016, the City Council requested a report on what has been named the Ellwood H<sub>2</sub>S incident, outlining what occurred, how local agencies responded, and what follow up actions are recommended to address deficiencies in notification and communication during the early stages of the incident. This report summarizes more detailed information contained in the Post Incident Action Summary prepared by the Santa Barbara County Office of Emergency Management (OEM), which has been provided as Attachment 1.

**DISCUSSION**

Incident Overview

The incident began in the early morning hours of Sunday, October 9, 2016, when the Santa Barbara County Fire Department received a report of a strong foul-smelling odor

from a resident in the Hideaway development on the south side of Highway 101 in western Goleta. Fire Station 11 from the City of Goleta responded to the call. The Fire Department received a number of reports throughout the day, and spent some time trying to identify the source of the odor. Responding personnel contacted Venoco to verify operational activity at the EOF and off shore Platform Holly and checked for any water well drilling operations, as the responders had experience with H<sub>2</sub>S being released during drilling. On the evening of October 9, County staff identified well drilling in process outside of the City limits on Ellwood Canyon Drive, about 1.8 miles from the initial reports from local residents. City of Goleta staff were not officially notified by responding agencies until after 7 p.m. on Sunday, October 9.

Early that same Sunday morning, the EOF fence line monitors for H<sub>2</sub>S also were activated. The monitors trigger an automatic email to the Air Pollution Control District (APCD) alerting that agency of a possible air-borne health and safety incident. However, the alarm notification was not received by staff until later that evening after they were alerted to the incident.

On the morning of October 10, several County agencies, including OEM, Fire and Health, participated with APCD in a conference call to address the incident. APCD was determined to be the lead agency in the incident. The City of Goleta was not included in this meeting. In addition, APCD responded and met with Fire staff at Station 11. An agricultural water well drilling operation on Ellwood Canyon Road outside of the Goleta City limits had been identified as a possible source of the H<sub>2</sub>S release. The site was inspected jointly by APCD and Fire staff. During that inspection the drilling operator acknowledged that the personal H<sub>2</sub>S monitors worn by the drilling team had also been activated. The Venoco EOF was also inspected that day to confirm that no operational activity was occurring at the facility. By Monday afternoon, the well drilling operation on Ellwood Canyon Drive was confirmed as the source of the odor. The drilling operation hit a pocket of H<sub>2</sub>S at a depth of 3,250 feet. The driller was directed to plug the well to stop the flow of water; however, the smell did not dissipate until the early morning hours of Tuesday, October 11<sup>th</sup>.

During Sunday and Monday, October 9 and 10, significant public concern was expressed by a number of residents related to not only the presence of the sulfur smell but also the lack of timely and accurate information provided by responding agencies. To compound matters, the County and Venoco issued conflicting press releases on Monday, October 10. In the County press release, the Venoco EOF was listed as a possible source, although the Venoco press release indicated that the EOF was not processing material and was not the source of the release.

The City of Goleta also was not included in any of the formal, interagency discussions during the first 24 hours and was unable to provide any public information to help address community concerns. Furthermore, the "Code 20" alerts normally sent to City staff providing for notification of emergencies did not occur.

## Post Incident Assessment

As noted previously, several agencies and jurisdictions were involved in this incident:

- County Fire Department (which also serves as the City of Goleta Fire Department) – emergency response to determine if there was a hazardous release, from where, and to take action to mitigate the release;
- County Public Health/Environmental Health Department – issues and regulates well drilling permits and provides for overall health protection from environmental and other hazardous;
- County Office of Emergency Management (OEM) – regulates oil facilities for emergency preparedness and coordinates overall County emergency coordination;
- Air Pollution Control District (APCD) – Regulates air quality. The APCD was identified as the lead agency during the course of the incident;
- City of Goleta – the odor was initially identified within the City limits by a number of concerned residents; and
- Venoco – Venoco is permitted by both Santa Barbara County and the City of Goleta to operate gas and oil facilities, which require notification procedures be followed in the event of an incident.

Although there was coordination among these agencies following the incident, it was apparent that improvements were needed during the response. Several communication and notification deficiencies were identified and discussed in a November 10, 2016 Ellwood H<sub>2</sub>S After Action Review meeting with involved agencies at OEM Headquarters. City of Goleta staff participated in this meeting and provided feedback. As a result of that meeting, the Post Incident Action Summary was prepared by OEM (Attachment 1) and included the following items needing improvement:

- The Venoco EOF reported the activation of its H<sub>2</sub>S fence-line monitors via email to the APCD at 9:01 am on October 9th as required, but this notification was not reviewed until late in the evening by APCD personnel after they were alerted to the situation. APCD is working to improve after hours monitoring of emergency notifications.
- The City of Goleta should have been immediately notified that Venoco's H<sub>2</sub>S fence-line monitors were activated, as required by Venoco's Emergency Action Plan (EAP), Table 2.2, under Agency Reporting and Notification Requirements. City staff sent a letter to Venoco on November 17, 2016, informing Venoco that they did not notify the City per the EAP, requesting that Venoco review its notification requirements and conduct employee training to ensure compliance with its permit requirements. Venoco, in a letter dated December 5, 2016, responded that the incident did not involve the EOF. Their alarms were an unusual alarm event that they determined were unrelated to EOF and, therefore, notification to the City in accordance with the Venoco Emergency Action Plan was not required. Advance Planning staff are following up with Venoco to ensure proper compliance with the EAP. A copy of both letters are provided as attachments to this report.
- The water driller or property owner should have notified APCD as soon as H<sub>2</sub>S was detected by the drilling operator's own monitors. County staff is reviewing

permit protocols and requirements and will modify them as appropriate to improve notification of H<sub>2</sub>S incidents by drilling operators.

- Information should have been communicated to the public earlier. All responding agencies acknowledged this deficiency and are committed to ensuring more responsive public information in future incidents. City staff will be notified early in an incident to ensure residents are provided with timely information.

In addition, to improve response for a future incident, particularly during the time responding personnel are searching for the source, OEM has developed a new flow chart for reporting H<sub>2</sub>S odors (see Attachment 2). This will help to ensure that all affected agencies and jurisdictions are informed in a timely manner. Additional measures will also be taken to improve the overall incident response:

- Better inform the public during and after an incident (through social media, press releases, and City alerts/reverse 9-1-1 calls, as appropriate).
- Reinforce Venoco requirements to include a process of notification any time its H<sub>2</sub>S fence-line monitors are activated to include County Dispatch and the City.
- Procure additional H<sub>2</sub>S detection equipment for County Fire and APCD. The City of Goleta has received a \$16,200 grant funding request from the County Fire Department for the Camino Real Public Safety Grant Funds to purchase portable Jerome J605 Hydrogen Sulfide (H<sub>2</sub>S) detectors. This equipment will replace existing equipment and improve the Fire Department's ability to detect and measure the presence of H<sub>2</sub>S.
- Provide education to well drillers that H<sub>2</sub>S gas naturally occurs in this area, potential dangers, and encourage (or require if possible) notification to APCD and County dispatch in the event of H<sub>2</sub>S release during drilling.

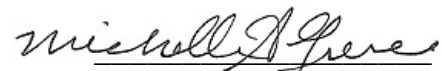
The Post Incident Action Summary, prepared by OEM in conjunction with other responding agencies provides a more complete description of the event details as well as a more detailed list of action items beginning on Page 5. City staff will continue to work with the involved agencies to implement actions that affect the City of Goleta, and Advanced Planning staff will be working with Venoco on enhancing its notification requirements.

Legal Review By:

Approved By:



Tim W. Giles  
City Attorney



Michelle Greene  
City Manager

**Attachments:**

1. Post Incident Action Summary prepared by OEM
2. Flow Chart for Reporting Unknown H<sub>2</sub>S Odors
3. Copies of correspondence between City and Venoco
4. Venoco EAP\_- Copy of Table 2-2: Agency Notification and Reporting Requirements

**ATTACHMENT 1**  
**POST INCIDENT ACTION SUMMARY**  
**ELLWOOD H<sub>2</sub>S INCIDENT**

**SANTA BARBARA COUNTY OPERATIONAL AREA**

**Post Incident Action Summary**

November 30, 2016

***Ellwood H<sub>2</sub>S Incident***

CA-SBC-13241, 13252, 13253, 13277,  
13290, 13323

October 9 to 11, 2016

**Santa Barbara County Air Pollution Control District**

**County of Santa Barbara:  
Public Health  
Fire Department  
Office of Emergency Management**

**City of Goleta**

## **Executive Summary**

At 0451 hours on October 9, 2016 the County Fire Department received the first report of an odor of gas. Station #11 responded to the reporting party at 82 Sanderling Ln. in the City of Goleta. This address is on the south side of Highway 101. The fire department received several other reports through the day, and after investigating likely sources such as offshore releases (either natural or from platforms), the Venoco Ellwood Onshore Oil and Gas Processing Facility (EOF), and domestic natural gas distribution systems in the area, they were unable to determine where the odor was coming from. After evaluating wind directions and elimination of all other sources, a potential source was located by fire department personnel at approximately 2100 hours on October 9<sup>th</sup> at 1100 Ellwood Canyon Rd. – which was later validated to be the sole source of the release. This was approximately 1.8 air miles from the original report to the fire department. The source was the result of a 3,250 foot deep agriculture water well drilling operation that had hit a pocket of H<sub>2</sub>S gas. The release would continue intermittently for an additional 24 hours until the well was temporarily capped by the well driller on the night of October 10<sup>th</sup>. The H<sub>2</sub>S smell continued to emanate until the early hours of October 11<sup>th</sup> when no more reports from the public of measurable H<sub>2</sub>S were made to County Dispatch, although additional reports expressing concern were made directly to the Air Pollution Control District (APCD).

On the evening of October 9<sup>th</sup>, agencies made aware of the situation began taking action to investigate the situation. At 0945 hours on October 10<sup>th</sup>, those agencies held a conference call to develop a plan, identify the lead agency, and designate who would draft a press release. Because the incident was identified as an air quality issue due to the odor, APCD volunteered to draft a joint press release.

Throughout the duration of the incident there were several potential sources of the H<sub>2</sub>S and odor. These potential sources all added to the confusion on the location of the actual source. Further, because neither the well driller nor the property owner had reported the incident, officials from the APCD, the Office of Emergency Management (OEM), County Environmental Health, County Public Health, the Fire Department, the City of Goleta, and several concerned citizens continued to look at other likely sources such as the Venoco EOF, natural seepage, domestic gas supplies and off-shore oil facilities. As each of these potential sources were investigated, none indicated that they were the source. And although the Venoco facility did have continuous activation of fence-line monitors for low levels of H<sub>2</sub>S, no monitoring devices within the facility had activated nor was any operation occurring at the facility that would release H<sub>2</sub>S (the fence-line monitors had activated due to the release of the water well drilling operation). With a down canyon wind, the location of the water drilling site (behind a locked gate) was finally identified as the most likely source of the H<sub>2</sub>S release on October 9<sup>th</sup> at approximately 2215 hours.

The public reaction to the H<sub>2</sub>S odor was spread over a large geographic area on the west side of the City of Goleta and was dependent on wind conditions. Some members of the community had a heightened level of concern that was not being adequately

addressed, which led to frustration and misdirected rumors about what the source of the odor was. The first official public acknowledgment of the condition was a press release issued more than 24 hours after the initial report by a citizen and no active rumor control had been implemented. In addition, Goleta City Council members and Board of Supervisors members were being questioned by their constituents about the incident, and no *Aware & Prepare* alerts announcing that the source of the odor was the water well drilling operation were sent until October 11<sup>th</sup>.

Although there were complaints of health effects, there were no reports of injury during this incident. Reported H<sub>2</sub>S levels never exceeded Permissible Exposure Limits at the drill site or exceeded Recommended Exposure Limits outside the well drilling site. Levels at the Venoco fence line never exceeded 3.8 ppm.

### **Environment**

Location – The odor was noticed in the west side of the City of Goleta in the Ellwood area in an area approximately four square miles. The source of H<sub>2</sub>S odor was located at farm/ranch located at 1100 Ellwood Canyon Rd.

Source – 3,250 ft. deep water well being drilled for agriculture use.

Area Incident History – There is a history of past H<sub>2</sub>S odors coming from natural seeps both inland and offshore, as well as from agricultural irrigation and at the Venoco EOF. Other wells have caused similar releases in the past.

Hydrogen Sulfide is the chemical compound with the formula H<sub>2</sub>S. It is a colorless gas with the characteristic foul odor of rotten eggs. It is slightly heavier than air (Relative Gas Density 1.19), very poisonous, corrosive, flammable, and explosive. A person can detect very low levels of H<sub>2</sub>S odor, as low as 0.00047 ppm.

Exposure Limits:

H<sub>2</sub>S US health exposure limits (NIOSH):

PEL(Permissible Exposure Limits) C 20 ppm; 50 ppm [10-minute maximum peak]

REL(Recommended Exposure Limits) C 10 ppm (15 mg/m<sup>3</sup>) [10-minute]

IDLH (Immediate Danger Life Health) 100 ppm

Incident Potential – The amount of H<sub>2</sub>S at the well drilling site may have exceeded 10 PPM as indicated by the activation (“2 or 3 times”) of a worker’s personal H<sub>2</sub>S monitor. H<sub>2</sub>S is heavier than air with a Relative Gas Density of 1.19. The H<sub>2</sub>S was diluted by wind patterns. The Fire Department used a four gas detector when they were



investigating the source of the odor and did not get any readings on the device. APCD fence-line monitors at the EOF indicated no H<sub>2</sub>S exceeded 3.8 ppm, which is far below Recommended Exposure Limits of 10 PPM, but still high enough to be detected by smell.

Special Considerations – There were several agencies and jurisdictions involved in this incident; the County Fire Department (which also serves as the City of Goleta Fire Department), the County Public Health/Environmental Health Department, the County Office of Emergency Management and the Air Pollution Control District.

- Fire Department to determine if there was a hazardous material release and to take actions to mitigate them
- APCD for air resource management concerning the H<sub>2</sub>S odor and toxicity levels
- Public Health for overall health impacts in the County regardless of jurisdiction
- Environmental Health which issues and regulates water well drilling permits and for overall protection of the environment
- County OEM which regulates oil facilities for emergency preparedness and for overall County emergency coordination
- The reports of the odor came from within the City of Goleta.
- Environmental Health reported the discharge of groundwater containing H<sub>2</sub>S into the creek at Ellwood Canyon.

Plume Behavior – The wind patterns on October 9<sup>th</sup> were responsible for the effects the H<sub>2</sub>S odor had on the communities. Citizens complained about the odor at certain times and then it would dissipate. This made finding the source very difficult for the Fire Department who responded six times to the area in search of the odor. It also caused confusion on the direction of the source of the odor. Remote Automated Weather Stations located both east and west of this incident indicate winds fluctuated a full 180 degree difference during this period, both up slope and down slope. At one point the Fire Department believed the source was coming onshore only later to determine it was coming from offshore.

Other Factors – The Venoco EOF has required H<sub>2</sub>S monitors. Six fence-line monitors did activate numerous times, never exceeding 3.8 PPM. The pattern of activation was always during a north or a northeast wind direction. No internal facility monitors activated. Further the facility is currently on shut down so no activities were occurring at the plant which could have caused an H<sub>2</sub>S release. The Venoco facility did report the fence-line monitor activation via email to the APCD at 0901 hrs. on October 9<sup>th</sup> as required, but this notification was not reviewed until late in the evening by APCD personnel after they were alerted to the situation. The fence-line monitors' data is also telemetered to the APCD. The fence-line alarms activated above 0.3 PPM from 0536 hrs. on October 9 until around 0256 hrs. on October 11<sup>th</sup>. The last activation is several hours after the well was reported plugged by the driller. This may be because of the length of time it took for the residual H<sub>2</sub>S to dissipate because wind speeds were generally well below 1.5 mph out of the northeast.

## **Attachments**

### Fire Department – Attachment A

- Summary – David Tolmach, Captain
- Summary – Larry Ryan, Battalion Chief
- Incident Dispatch Reports

### Air Pollution Control District – Attachment B

- Summary – Kaitlin McNally Manager, Compliance Division
- Venoco H<sub>2</sub>S Fence-line Alarm Tables

### Public/Environmental Health Department – Attachment C

- Summary – Tom Rejzek, Professional Geologist

### Office of Emergency Management – Attachment D

- Summary – Elsa Arndt, Emergency Manager

### County Public Information Officer – Attachment E

- Summary – Gina DePinto, County PIO

### Remote Automated Weather Station Data – Attachment F

### Dispatch Reports – Attachment G

### Fence Line Alarm Reports – Attachment H

### Photos of Drill Site – Attachment I

### Press Releases – Attachment J

### Map of Area – Attachment K

### Everbridge Report – Attachment L

### H<sub>2</sub>S Reporting Flow Chart – Attachment M

## **Successes**

- There was close coordination between the four different agencies: Fire Department, Public/Environmental Health, APCD and OEM
- The four County agencies held a conference call to develop a plan of action
- Fire Department persistence at locating the source of the H<sub>2</sub>S
- On-site visit by OEM, APCD, and Environmental Health on the morning of the 10<sup>th</sup> once well site was located
- Fire Chief briefing to CEO and Board of Supervisor
- Venoco EOF fence-line monitors functioned well
- APCD updated website with useful information
- APCD was able to utilize a back-up monitor from SLO County
- Once the well was identified as a source, a stop work order was issued, work was suspended and the Environmental Health permit was suspended

**Action Items**

The Department of Homeland Security, under the National Preparedness Goal (NPG), identifies Core Capabilities as a means to standardize desired capabilities across the country. Utilizing the relevant Core Capabilities for areas where review and improvements could be achieved, the following is identified:

Core Capability	Agencies	Issue	Actions
Planning	All	H <sub>2</sub> S contingency plan and awareness	Developed notification and reporting process flowchart
	All	Identification of lead agency	Agricultural odor = Ag Commissioner; Non-agricultural odor = APCD. Over 10 ppm = HazMat response.
	APCD	No scheduled duty officer on weekends	In process
	Fire	Awareness training for all personnel assigned to area	In process
	Environmental Health	The current permitting process for wells does not require notification of deep well drilling and no requirement of notification of H <sub>2</sub> S release	The legal counsel about well requirements and written information. Information and notification about H <sub>2</sub> S with a well permit to the applicant
Public Information and Warning	All	Delay in providing the public with timely information on the	Conference call

		situation which allowed for rumors to develop	
		Did not employ the use of social media to get timely information out, even if only to share status of investigation	Will employ social media with known information even if limited
		Consideration of public meeting	As needed
Operational Coordination	OEM	Did not issue A&P alert until incident was resolved	Change to OEM process
	Dispatch	Incident did not require notification of agencies and duty officers	Handled in notification and reporting process flowchart
Intelligence & Information Sharing	All	Delay in contacting allied agencies with jurisdictional responsibilities	Handled in notification and reporting process flowchart
Screening, Search, And Detection	All	Delayed interagency intelligence sharing that the source could not be located but continued to get new reports	Change to process
	APCD, OEM, Dispatch	Alarm process from Venoco was delivered only to APCD and is not monitored	Letter sent by City of Goleta to Venoco that they must call Dispatch when an alarm sounds and incorporate notifications into annual drill.  Modify requirement to include type and process of notifications and for notification to include Dispatch (not just APCD).
	Fire Department	Improved handheld H <sub>2</sub> S monitoring system	Determining if resources are available
	EH	Well driller did not notify anyone when they hit H <sub>2</sub> S pocket	EH talking with County Counsel to determine if they can make a requirement
	APCD	No back-up handheld H <sub>2</sub> S monitoring system	APCD purchasing

## Ellwood Hydrogen Sulfide Incident

**Incident Date: October 9-11, 2016**

**Author: David Tolmach- Captain ME11 B-Shift**

### Summary:

Initial Response- On 10/9 at 0453hrs Station 11 began receiving calls for a smell of gas outside. Upon investigation we determined no presence of gas on monitoring equipment and no specific source for the smell in the surrounding area. Engine 11 thoroughly investigated the community for the source and was initially unable to determine the cause of the smell.

Source- At 2041hrs on 10/9 Engine 11 and B512 discovered a Water Well drilling operation at 1100 Ellwood Canyon Road. Engine 11 personnel spoke with the on-site supervisor of the operation and found information consistent with what can potentially be the cause of the smell.

“Drilling operations began on the evening of 10/8 with the well drill hitting a pocket of Sulfur in the early morning hours of 10/9.”

“The drilling operation is going to a depth of 3000ft and it is normal for there to be a Sulfur smell.”

“Yes, I agree that this operation is the likely culprit of the smell that people are calling you about.”

Wind- We found that if you couple the diurnal wind pattern for the area with the location of the operation that it would be consistent with pushing a Sulfur smell down the canyon in the nighttime hours. This would make it highly likely that as the drill would hit pockets of sulfur, the smell would travel down the canyon with wind/topography and settle in the West Goleta community. As a result our call pattern shows no smell during the day time but spikes in calls at certain nighttime hours.

Topography- If you take into account the topography in the area you will also find that it would be conducive to funneling the smell down canyon. From the drilling operation there is a narrow canyon that works south towards the areas of Winchester Canyon, Calle Real, and Cathedral Oaks. All of the calls received both at the Station and through Dispatch were located directly in the topographical path of this canyon.

Conclusion- We have taken into account the source, wind, topography, and areas of the community affected. In conclusion we have determined that the likely source of the smell is the Water Well drill

operation at 1100 Ellwood Canyon Road. The foreman stated that the drill operation should be completed midday on 10/10/16.

Contact Information: Stewart Brothers Drilling, Foreman- Dan 505-287-2986

### Strengths:

-B512 and ME11 personnel utilized their experience as well as assigned diagnostic tools to find the source of the incident.

### Challenges:

-Initially I, (Captain 11) believed the source of the smell was offshore seepage or waste water from Venoco. I thought this because of my history of running calls in the area as well as the initial locations that were affected by the smell. I feel as though experience can help us as responders but it can sometimes lead us down the wrong road to our conclusions.

-The source of the smell was located far up the canyon and behind locked gates. The smell was intermittent due to the process of drilling so there were no "breadcrumbs" leading to the source.

### Recommendation:

-I should have considered a Code 20 notification for the number of people affected by the incident that were looking for information.

-We as a department should utilize incidents such as this for continuing education/training in subject matter that is not commonly encountered. This will make our personnel better equipped to respond to these types of emergencies.

## Ellwood Hydrogen Sulfide Incident

Name: Larry Ryan

Date: October 9 – 11, 2016

Agency, Department or Function: SBC Fire

### Summary:

- On Duty in Battalion 1 from Battalion 2 0800 (10/9/16)
- Approximately 0830 received a phone call from the Duty Officer about numerous complains of a smell in the area. I was told by the Duty Officer that the US Coast Guard received a complaint of a sheen of oil on the ocean near the plat forms. I received the phone numbers for Mark Charm and Venoco.
- Approximately 0845 spoke with crews from station 11 who responded to the complaints earlier in the morning to get information. I also, checked the tide charts.
- Approximately 0900 I spoke with Venoco control room. I was briefed on their current status of operation.
- Approximately 0915 I spoke with Mark Charm and give him all the information I know at the time of possible causes of the smell.
- At 1748 received a phone call from Elsa Arndt from OEM, she asked for information about the odor calls SBC Fire received. I told her what I know at the time. SBC Fire had stopped receiving calls for the odor at this time.
- At 2007 I received a phone call from Chief Peterson asking for information about the calls. I also, talked with the crews at Station 11 again, to make sure my information was up to date. I called Chief Peterson back at 2021 and 2028 to confirm information I received from station 11 personnel and be able to answer Chief Peterson's question accurately.
- At 2041, SBC Fire received a call for the smell of gas at 7914 Winchester Circle, incident # 13277. ME-11 responded and I went with them. ME-11 made contact with the reporting party and I began searching for the source. There was a definite odor in the air, Venoco was checked and there was no odor at the facility. There was a sight down canyon wind so we knew the source was north of us. After searching we believe we found the source. There was a water well drilling rig at 1100 Ellwood Canyon road. Captain 11 made contact with the drilling crew, the Forman was not a sight. Captain 11 was told the well was 3000 foot deep and they hit that depth last night (10/8/16) at approximately 2000. The first call we received for smell of gas was at 0453, 10/9/16, 82 sanderling Ln, Incident # 13241. Captain 11 was told that the drilling crew started to get a heavy sulfur smell from the well at the 3000 foot mark. There was also water from the drilling operation in 2 holding basins next to the drilling rig. This water was also 300 feet down a dry creek bed. The water also had a sulfur smell to it. All the calls SBC Fire responded to for smell of gas where in the same area. The calls we responded to are also, all down canyon and downwind from the drilling rig. We have not had our normal onshore sea breeze, but more of a diurnal wind.
- At 2216 I texted Chief Peterson to see if he was still awake, if so we believed we found the source of the odor problem.

- At 2224 I received a phone call from Chief Peterson, I then briefed him on the new information we had discovered at 1100, Ellwood Canyon Rd.

**Strengths:**

1. Have previous knowledge of similar calls in the area helped us to start looking for well water usage.
2. Using weather observations to set tactical objectives to find source of the problem.

**Challenges:**

1. Misinformation, oil sheen on the water which the USCG was investigating. Natural seepage of oil in the area.

**Recommendation:**

1. Better notifications, I should have made contact with the City of Goleta, OEM, and APCD sooner, once we knew the severity of the source.
2. When responding to these types of calls have more of a systematical approach to them.



## Ellwood Hydrogen Sulfide Incident

<b>Name:</b> Kaitlin McNally	<b>Date:</b> October 9 – 11, 2016
<b>Agency, Department or Function:</b> SBCAPCD	

### Summary:

- See attached Hydrogen Sulfide Odors in Goleta Chronology of Events

### Strengths:

1. The APCD Inspector and OEM Inspector coordinated successfully on Sunday to share information and Monday to perform joint inspections
2. The APCD borrowed a H2S Analyzer from SLOAPCD since ours was out for annual maintenance, due to our good relationship with that agency, and began collecting samples on Monday
3. The APCD provided easily accessible information and updates to the public through our website
4. The Monday morning inter-agency conference call was helpful to the investigation
5. The inter-agency coordination on Monday's news release demonstrated united agency efforts
6. The APCD Inspector investigated complaints in a timely manner during business hours
7. The APCD responded to Media and Public inquiries and requests in a timely manner
8. The Fire Department discovered the agricultural well drilling operation which ended up being the source of the odors
9. EHS issued a stop work order in a timely manner to stop the agricultural well drilling operation that was causing the odors

### Challenges:

1. Identification of the lead agency with the most applicable jurisdiction in this situation did not occur in a timely manner
2. Inclusion of all applicable agencies in all inter-agency communications did not always occur
3. Messaging from all agencies involved was not consistent
4. Questions were not always answered by the most appropriate agency with the applicable jurisdiction or expertise
5. During the investigation there was not always clear and frequent communication between all involved agencies
6. District inspectors are not available to respond to complaints during non-business hours, on weekends, or on holidays
7. Real-time fence-line monitoring data is currently only available to the APCD

**Recommendation:**

1. Lead agency is identified in the beginning and is the lead for all news releases with assistance from other agencies, as applicable
2. While the investigation is ongoing, keep discussion of the investigation in news releases and other documents generic with no alleged or potential sources named
3. All involved agencies discuss, decide, and clearly communicate the desired messaging so that it is consistent
4. Discuss and clarify each agency's role and what questions they will address/be forwarded
5. Clear and frequent communication between all agencies throughout the investigation and aftermath
6. Agencies coordinate and display a united front to the Media and the public
7. APCD will reevaluate our accessibility for non-business hours, weekends, and holidays
8. APCD will look into obtaining a back-up H2S Analyzer so that we have at least one on-hand at all times
9. First responder agencies explore obtaining a H2S Analyzer for situations like these
10. Employ mechanism to ensure public is informed in a timely fashion (e.g., Reverse 911 calls, Nixle Alerts) regarding incident, potential implications and recommended action
11. When multiple agencies involved in public response, the use of all agency logos, and agency contacts demonstrates united front
12. Work with Venoco to ensure H2S monitoring data (fence-line monitoring or temporary monitoring data) is accessible to first responders when readings exceed alarm thresholds
13. Ensure all appropriate agencies are notified/included in situation response (e.g., City of Goleta)

## Hydrogen Sulfide Odors in Goleta Chronology of Events

Date	Time	Description	Details
Sunday, October 9, 2016	5:36 am – 9:06 am	Venoco EOF fence-line monitor readings at or above alarm threshold	Alarm threshold is 0.3 ppm H <sub>2</sub> S. Max value read was 3.6 ppm.
Sunday, October 9, 2016	8:00 am – 9:00 pm	13 complaints received	
Sunday, October 9, 2016	Evening	OEH contacted District Inspector and began coordinating	
Sunday, October 9, 2016 - Monday, October 10, 2016	9:12 pm - 9:30 am	Venoco EOF fence-line monitor readings at or above alarm threshold	Alarm threshold is 0.3 ppm H <sub>2</sub> S. Max value read was 3.8 ppm.
Monday, October 10, 2016	6:45 am – 6:45 pm	16 complaints received	
Monday, October 10, 2016	10:00 am	Interagency conference call with SBC Fire, Public Health and OEM to discuss the odor event.	
Monday, October 10, 2016	10:20 am	APCD Inspector met with Fire Department staff at Fire Station 11	Update on their response, safety precautions, etc.
Monday, October 10, 2016	10:50 am – 11:30 am	Joint inspection of agricultural water well drilling site	SBCAPCD and OEM inspector, accompanied by SBC Fire. Slight odors experienced at drill site, “nothing overpowering”.
Monday, October 10, 2016	11:45 am – 1:15 pm	Joint inspection of Venoco EOF	SBCAPCD and OEM inspector. Experienced no odors.
Monday, October 10, 2016	2:30 pm	EHS suspended the well drilling permit and issued a stop work order	Based on what EHS told us.
Monday, October 10, 2016	3:30 pm	Joint Agency News Release issued	Agencies Investigating Release of Hydrogen Sulfide in Goleta Area
Monday, October 10, 2016	4:30 pm	APCD Inspectors re-visit agricultural water well drilling property entrance	Inspectors experienced no odors. Attempt to take H <sub>2</sub> S readings on the Jerome, but Jerome was out of memory space.
Monday, October 10, 2016t	9:30 pm	Driller plugs the well and stops the flow of water	Based on what EHS told us.
Monday, October 10, 2016 - Tuesday, October 11, 2016	10:30 pm - 3:48 am	Venoco EOF fence-line monitor readings at or above alarm threshold	Alarm threshold is 0.3 ppm H <sub>2</sub> S. Max value read was 3.8 ppm.

Tuesday, October 11, 2016	7:30 am – 1:00 pm	4 complaints received.	
Tuesday, October 11, 2016	10:15 am – 10:40 am	H2S Measurements at the agricultural water well drill site and property entrance do not detect H2S	District inspector measured H2S in the ambient air with a handheld Arizona Instrument Jerome (J-605) H2S Analyzer. The analyzer did not detect H2S in the ambient air. The analyzer's detection range is 0.003 ppm–10 ppm.
Tuesday, October 11, 2016	11:30 am – 11:40 am	H2S Measurements at Venoco EOF do not detect H2S	District inspector measured H2S in the ambient air with a handheld Arizona Instrument Jerome (J-605) H2S Analyzer. The analyzer did not detect H2S in the ambient air. The analyzer's detection range is 0.003 ppm–10 ppm.
Tuesday, October 11, 2016	11:50 am – 12:20 pm	H2S Measurements at 4 neighborhoods in Goleta do not detect H2S	District inspector measured H2S in the ambient air with a handheld Arizona Instrument Jerome (J-605) H2S Analyzer. The analyzer did not detect H2S in the ambient air. The analyzer's detection range is 0.003 ppm–10 ppm.
Tuesday, October 11, 2016	2 pm	County News Release issued	County Officials Determine Water Well as Source of H2S Odors. Venoco EOF not the source.

**From:** McCaw, Paul

**From:** Rejzek, Tom

**Sent:** Monday, October 10, 2016 4:36 PM

**To:** Brummond, David; Wada, Takashi; Klein-Rothschild, Susan; McCaw, Paul; DePinto, Gina

**Cc:** Fay, Lawrence

**Subject:** RE: status update

Attached is my inspection report.

In summary-

1. The well is producing hydrogen sulfide at 10 -15 ppm per the driller's monitoring equipment.
2. The odor is quite strong as one approaches the drill site.
3. At about 4am Sunday , the well boring began producing water under artesian conditions.
4. At about 2AM today, the well boring began producing water at >150 gpm under artesian conditions. This water could no longer be captured and transported by truck to a temporary holding pond and began flowing into a dry creek bed. The Regional Water Board has been notified of this. As of 2PM today, approximately 100,000 gallons were discharged into the creek
5. They are in the process of stopping the artesian flow. This involves placing drilling mud back into the boring. This should be completed by ~8PM tonight
6. They are under a stop work order until the can prevent discharge to the creek and mitigate odors.

Santa Barbara County – Environmental Health Services



Inspection Report

(www.sbcphd.org/ehs)

225 Camino Del Remedio  
Santa Barbara, CA 93110  
Ph. (805) 681-4900 / Fax (805) 681-4901

2125 S. Centerpointe, Parkway, Rm 333  
Santa Maria, CA 93455  
Ph. (805) 346-8460 / Fax (805) 346-8485

Date: 12/10/2016	Name of Business/Site:	CH: <input checked="" type="checkbox"/>
Record ID/Case#: WP0001506	Address/City/Zip: 1100 ELWOOD CYN, AULETA	LUFT: <input type="checkbox"/>
Service _____ Facility type _____	Business Owner/PIC: APN: 079-100-028	SMU: <input type="checkbox"/>
Time in: 1330 Time out: 1510	Certification: WP0001506	

COMMENTS: The purpose of the visit was to respond to odor complaint. Page 1 of 1

Driller states top of well was 3200' bgs. Collapsed to 2900'. Artesian flow started at 4 AM Sunday. Began flowing into creek at 2 AM. Driller estimates flow rate at 150 gpm. Now flow rate is not greater than 200 gpm. H<sub>2</sub>S odor - H<sub>2</sub>S monitor ranges from 10 to 15 ppm.

Driller is tripping in to find best depth to pump mud. Once this location is found they will pump the mud to stop the artesian flow.

- Need to 1) prevent discharge into creek
- 2) Mitigate odors from water discharge

Talked with Thea Tryon - RWACB site does not have a discharge permit.

Talked with Dave Brummond - TERTH SERVICES SUPERVISOR PERMIT IS SUSPENDED DUE TO STOPPING FLOW. PERMIT will be reactivated upon performing and appropriate mitigation measures were shown BE KILLING IN ABOUT 8-9 pm tonight

 SPECIALIST	THOMAS REJZEK PRINT NAME:	805/346-8216 PHONE:
RECEIVED BY	Randy Steward PRINT NAME:	505-2401093 PHONE:

Treatment system: active  inactive  groundwater  soil  Depth to GW \_\_\_\_\_

Samples collected: water \_\_\_\_\_ soil \_\_\_\_\_ soil vapor \_\_\_\_\_ air \_\_\_\_\_ Substances Released \_\_\_\_\_

Monitoring Equipment: county \_\_\_\_\_ consultant \_\_\_\_\_ Analysis \_\_\_\_\_ Lab: \_\_\_\_\_

## Ellwood Hydrogen Sulfide Incident

Name: Elsa Arndt

Date: October 9 – 11, 2016

Agency, Department or Function: Office of Emergency Management

### Summary:

- 10/9/16, 5:22 pm received email from CEO, Subject: Re: Toxic Odors, Nuisance, Venoco; POTENTIALLY THOUSANDS EXPOSED TO TOXINS IN YOUR DISTRICT THIS MORNING! Still No Answers!
- 10/9/16, 5:45 pm responded that I would check into it
- 10/9/16, 6:39 pm emailed report (attached)
- 10/9/16, 6:51 pm reported that the City of Goleta was notified

On Oct 9, 2016, at 6:39 PM, Arndt, Elsa <EArndt@sbcoem.org> wrote:

Fire responded at 4 am, 6 am, 8 am and with a multi company response before noon to a residence. It was determined that it was not from a gas line.

I contacted my co-worker in SSRRC from APCD and was told he would check alarm report. He called me back and informed me that they did receive several alarms this morning. APCD will follow up on alarm report tomorrow.

I called Venoco Elwood Onshore Facility which is currently shut in due to Refugio Incident and asked to submit a report of today's operations along with copies of Operations Log and Alarm History. I was told that there's no longer a gas smell.

Natural gas is pumped to Platform Holly daily in order to keep flare operational. Flare is needed in case if there's over pressure of gas coming from wells. Normal operations for Platform Holly today and they are still sending gas to Platform Holly.

I will follow up tomorrow. Elsa

Sent from my iPhone

- 10/10/16, 9:00 am talked to APCD and agree to meet at Station 11 at 9:30 am
- 10/10/16, 9:20 am was asked to participate in a Conference Call.
- 10/10/16, 10:09 am left to meet APCD at Station 11. Left with BC to Water Drill Site.
- 10/10/16, Fire, APCD & OEM arrived at gate entrance which was locked. Tried to contact owner but no one answered call box. Drilling Superintendent arrived and provided us access through gate and to drill site. During site visit APCD wore a personal monitor which did not alarm at the drill site or the retention pond.
- 10/10/16 after visiting drill site, went to Venoco with APCD. Confirmed that only fenceline detectors alarmed. No internal facility detectors alarmed.

### Strengths:

1. Great working relationship and assistance with other County representatives (Fire, APCD, PHD-EH).

### Challenges:

1. Incident began at approximately 4:50 on Sunday morning but OEM was not notified until we received the email from the CEO.

### Recommendation:

1. OEM needs to communicate to Department Heads that if the community is being impacted by an event that our office should be notified.

## Ellwood Hydrogen Sulfide Incident

**Name:** Gina DePinto

**Date:** October 9 – 11, 2016

**Agency, Department or Function:**

County of Santa Barbara Communications Manager, CEO Office

### Summary:

- 8:45 a.m. Monday, Oct. 10, 2016: Internal meeting was held to discuss the odor – unbeknownst to CEO/ACEO/PIO.
- 10 a.m.: The CEO informed our exec team, including me, that she had been notified about an odor issue in Goleta over the weekend resulting in several neighbor calls/complaints. County Fire Chief Peterson notified CEO Miyasato that his crews had responded five times in search of the odor source. Fire crews were eventually pointed to check out a private well drilling operation at 1100 Ellwood Canyon Drive. The odor was overwhelmingly strong from the well operation and clearly identified as the source.
- 9:54 a.m. The City of Goleta emailed County staff looking for answers.
- As details emerged, we learned that APCD's H2S fence line monitor alarms at the Veneco station on Hollister had sounded in the early morning hours of Oct. 10.
- 10:34 a.m.: Dr. Wada, PHD Director, sent an e-mail with some facts and photos of the drilling site, and conformation that APCD was drafting a press release.
- 1:55 p.m.: We finally received the first draft press release. Note: this was 4+ hours after we had the site address, photos and essentially confirmation of the source.
- PHD/Environmental Health Services' inspectors were attempting to gain access to the property at 1100 Ellwood Canyon.
- The press release was finalized and distributed at about 3:23 p.m.
- I responded to request by KEYT. The reporter had already talked to County Fire PIO Dave Zaniboni and read me her report that was about to post, generally that the source was a private ag well drilling operation, but that EHS inspectors were looking at all potential sources. I confirmed the details Dave had provided.
- The well operation was shut down by late afternoon, and not permitted to resume unless or until a mitigation plan is submitted.
- Personally, I made a mistake thinking the issue was over, problem solved, and the odor would cease.
- 11:15 p.m. and 11:30 p.m.: I received calls from a resident at The Hideaway condos on Hollister complaining about the strong odor that still permeated the air. He claimed that the County was lying and that he "just knew that the smell was Veneco."
- 9:30 a.m. Tuesday, October 11, 2016  
Terri Nisich, Rob Lewin, Bob Troy and Gina DePinto met to review next steps and address the neighbors who were posting incorrect and inflammatory information on the resident blogs and Next Door. We determined that we needed to issue a press release that reconfirmed the source, actions taken and publicly clear Veneco.
- We called APCD to let them know we were drafting a press release and asked about their research and review of the Veneco logs.
- We drafted a press release by 11:30 a.m. PHD distributed the release while I drove to Santa Maria for the NBJ groundbreaking.

### Strengths:



1. County Fire didn't give up when called several times on Sunday, Oct. 9.
2. Fire Chief contacted CEO
3. OEM and PHD also responded immediately upon learning of the odor issue and neighbor complaints.
4. EHS responded with helpful information and gathered inspectors to get out to the site as quickly as possible. The property owner was not cooperative but EHS eventually gained access and issued a stop order.
5. APCD ordered an extra mobile monitor, and used hand-held monitors at the well site and Veneco's fence line to gain data.
6. PHD and APCD issued a public health warning.
7. Media had accurate information from County Fire on Monday with correct reports going out to the public.

**Challenges:**

1. APCD should County staff should have been notified sooner of the calls and concerns, such as Public Health, Office of Emergency Management, CEO/ACEO, Communications Manager and the BOS.
2. The PIOs should have been included in the first internal meeting, and a determination of public messaging.
3. The first press release took too long to get out; allowed resident rhetoric to build and their messaging was of an alarmist nature.
4. County public information was delayed; should have started sooner.
5. Private well owner's contractor held up the timeliness of the inspection by not initially allowing access.

**Recommendation:**

1. Request policy or procedural change at APCD to notify County Fire and OEM when alarms are triggered. Fire/OEM can then notify CEO Office, Communications Manager, and city staff when/where appropriate. Include plans for events that emerge outside of regular business hours.
2. Initiate an agency/partner emergency contact list.
3. Respond quicker with public information even if it seems like an isolated event and geologically contained to a small area.
4. County should be proactive and allowed to post information sooner, especially using its social media accounts. Better coordination among PIOs.
5. Initiate ongoing informational community meetings to address resident issues and concerns. Face-to-face meetings also present an opportunity for residents to meet and speak directly with our staff experts and clear up misinformation.



## Station Summary



## Refugio California

Daily Summary for

October 9, 2016

Hour of Day	Total Solar Rad.	Ave. Wind	Wind V. Dir.	Max. Wind	Air Temperature Mean	Fuel Temperature Mean	Fuel Moisture Mean	Relative Humidity Mean	Dew Point	Wet Bulb	Total Precip.
Ending at L.S.T.	° ly:	mph	Deg	mph	Deg. F.	Deg. F.	Percent	Percent	Deg. F.	Deg. F.	inches
1 am	0.0	2.0	330	6.0	70.0	64.0	4.3	19	26	48	0.00
2 am	0.0	4.0	295	6.0	70.0	65.0	4.3	19	26	48	0.00
3 am	0.0	5.0	345	9.0	67.0	62.0	4.4	24	29	48	0.00
4 am	0.0	3.0	336	11.0	70.0	64.0	4.5	19	26	48	0.00
5 am	0.0	3.0	332	5.0	69.0	63.0	4.5	19	25	47	0.00
6 am	0.1	4.0	336	6.0	70.0	64.0	4.6	19	26	48	0.00
7 am	5.9	1.0	348	5.0	74.0	74.0	4.9	18	28	50	0.00
8 am	25.2	0.0	221	4.0	78.0	85.0	4.7	16	28	52	0.00
9 am	41.9	3.0	180	7.0	82.0	91.0	4.3	18	34	55	0.00
10 am	55.5	4.0	155	9.0	84.0	93.0	3.9	21	40	58	0.00
11 am	64.9	6.0	172	12.0	85.0	94.0	3.6	23	43	59	0.00
12 pm	68.7	6.0	167	12.0	87.0	96.0	3.7	22	44	60	0.00
1 pm	64.9	6.0	204	13.0	88.0	99.0	3.7	20	42	60	0.00
2 pm	57.5	6.0	198	12.0	87.0	95.0	3.4	20	41	59	0.00
3 pm	43.9	6.0	168	11.0	83.0	91.0	3.5	24	43	58	0.00
4 pm	27.2	3.0	176	9.0	81.0	87.0	3.5	25	42	58	0.00
5 pm	4.7	8.0	343	14.0	74.0	73.0	3.9	34	44	56	0.00
6 pm	1.2	19.0	348	15.0	70.0	69.0	4.2	40	45	55	0.00
7 pm	0.0	13.0	343	14.0	69.0	67.0	4.6	42	45	55	0.00
8 pm	0.0	17.0	343	23.0	68.0	66.0	4.9	41	43	54	0.00
9 pm	0.0	18.0	346	22.0	68.0	66.0	5.2	39	42	53	0.00
10 pm	0.0	16.0	343	22.0	68.0	66.0	5.5	38	41	53	0.00
11 pm	0.0	4.0	328	19.0	68.0	64.0	5.7	38	41	53	0.00
12 am	0.0	4.0	339	7.0	68.0	63.0	5.7	36	40	52	0.00

## DAILY STATISTICS

Total Solar Rad.	Ave. Wind	Wind V. Dir.	Max. Wind	Air Temperature Mean	Fuel Temperature Mean	Fuel Moisture Mean	Relative Humidity Mean	Dew Point	Wet Bulb	Total Precip.
° ly:	mph	Deg	mph	Deg. F.	Deg. F.	Percent	Percent	Deg. F.	Deg. F.	inches
Total 461.6										0.00
Ave.	6.7	310		74.9	75.9	4.4	26	37	54	
Max.			15.0	88.0	99.0	5.7	42			
Min.				67.0	62.0	3.4	16			

Copyright: Western Regional Climate Center - Desert Research Institute - Reno, Nevada.

## NOTES:

- Daily averages might vary slightly from the average of the hourly values printed due to rounding of the hourly values.
- Data are subject to further review and editing. Please refer any questions to the Western Regional Climate Center.
- 1 ly = 1 cal cm<sup>2</sup> = 4.1855 J cm<sup>2</sup> = 3.6855 BTU ft<sup>2</sup> = .01163 KW-hr.m<sup>2</sup>



# Station Summary



## Santa Barbara Botanic Garden California

Daily Summary for

October 9, 2016

Hour of Day Ending at L.S.T.	Total Solar Rad. ° ly.	Ave. mph	Wind V. Dir. Deg	Max. mph	Air Temperature Mean Deg. F.	Relative Humidity Mean Percent	Dew Point Deg. F.	Wet Bulb	Total Precip. inches
1 am	0.0	1.0	285	4.0	71.0	18	16	49	0.00
2 am	0.0	2.0	256	5.0	73.0	16	24	49	0.00
3 am	0.0	3.0	1	4.0	73.0	16	24	49	0.00
4 am	0.0	4.0	330	5.0	75.0	14	23	49	0.00
5 am	0.0	1.0	5	6.0	70.0	18	25	48	0.00
6 am	0.6	2.0	284	2.0	71.0	17	24	48	0.00
7 am	8.2	2.0	160	4.0	75.0	17	27	50	0.00
8 am	25.4	3.0	211	4.0	76.0	22	34	53	0.00
9 am	43.6	5.0	195	7.0	81.0	21	37	56	0.00
10 am	55.6	6.0	235	9.0	82.0	23	41	57	0.00
11 am	63.0	7.0	233	13.0	84.0	21	40	58	0.00
12 pm	63.6	7.0	265	13.0	84.0	21	40	58	0.00
1 pm	61.1	9.0	250	14.0	84.0	23	42	59	0.00
2 pm	53.7	10.0	251	13.0	82.0	27	45	59	0.00
3 pm	40.9	9.0	248	13.0	80.0	32	48	60	0.00
4 pm	23.7	6.0	250	13.0	80.0	33	48	60	0.00
5 pm	7.9	2.0	208	9.0	73.0	43	49	58	0.00
6 pm	0.2	1.0	115	7.0	70.0	47	49	57	0.00
7 pm	0.0	4.0	329	6.0	73.0	36	44	56	0.00
8 pm	0.0	0.0	181	7.0	71.0	36	43	54	0.00
9 pm	0.0	1.0	110	2.0	70.0	38	43	54	0.00
10 pm	0.0	1.0	194	3.0	71.0	35	42	54	0.00
11 pm	0.0	0.0	194	4.0	69.0	38	42	53	0.00
12 am	0.0	0.0	75	0.0	71.0	32	40	53	0.00

### DAILY STATISTICS

	Total Solar Rad. ° ly.	Ave. mph	Wind V. Dir. Deg	Max. mph	Air Temperature Mean Deg. F.	Relative Humidity Mean Percent	Dew Point Deg. F.	Wet Bulb	Total Precip. inches
Total	447.3								0.00
Ave.		3.7	237		75.4	27	38	54	
Max.				14.0	84.0	47			
Min.					69.0	14			

Copyright: Western Regional Climate Center - Desert Research Institute - Reno, Nevada.

### NOTES:

- Daily averages might vary slightly from the average of the hourly values printed due to rounding of the hourly values.
- Data are subject to further review and editing. Please refer any questions to the Western Regional Climate Center.
- ° 1 ly = 1 cal/cm<sup>2</sup> = 4.1855 J/cm<sup>2</sup> = 3.6855 BTU ft<sup>2</sup> = .01163 kWh/m<sup>2</sup>

# Incident Detail Report

Data Source: Data Warehouse  
 Incident Status: Closed  
 Incident number: FSBC160013241  
 Incident Date: 10/9/2016 04:53:13  
 Last Updated: 10/19/2016 13:49:36

## Incident Information

<b>Incident Type:</b>	Hazardous Condition	<b>Alarm Level:</b>	1
<b>Priority:</b>	Code 3	<b>Problem:</b>	Gas Leak Outside
<b>Determinant:</b>		<b>Agency:</b>	Fire
<b>Base Response#:</b>	10092016-0017680	<b>Jurisdiction:</b>	SBC
<b>Confirmation#:</b>		<b>Division:</b>	DIV1 Operations
<b>Taken By:</b>	Paine, Matthew	<b>Battalion:</b>	BAT1
<b>Response Area:</b>	SBC00021SBC	<b>Response Plan:</b>	Eng
<b>Disposition:</b>	1CC-Completed Call	<b>Command Ch:</b>	
<b>Cancel Reason:</b>		<b>Primary TAC:</b>	
<b>Incident Status:</b>	Closed	<b>Secondary TAC:</b>	
<b>Certification:</b>		<b>Delay Reason (if any):</b>	
<b>Longitude:</b>	119901279	<b>Latitude:</b>	34430220

## Incident Location

<b>Location Name:</b>		<b>County:</b>	Santa Barbara
<b>Address:</b>	82 Sanderling Ln	<b>Location Type:</b>	
<b>Apartment:</b>		<b>Cross Street:</b>	LAS ARMAS RD/LAS ARMAS RD
<b>Building:</b>		<b>Map Reference:</b>	11SKU3313
<b>City, State, Zip:</b>	Goleta CA 93117		

## Call Receipt

<b>Caller Name:</b>	MARK KRAM / 805-844-6854	<b>Call Back Phone:</b>	(805) 844-6854
<b>Method Received:</b>		<b>Caller Location:</b>	
<b>Caller Type:</b>			

## Time Stamps

Description	Date	Time	User	Elapsed Times	Description	Time
Phone Pickup	10/9/2016	04:51:33				
1st Key Stroke	10/9/2016	04:51:33			Received to In Queue	00:00:01
In Waiting Queue	10/9/2016	04:53:14			Call Taking	
Call Taking Complete	10/9/2016	04:53:14	Paine, Matthew		In Queue to 1st Assign	00:00:15
1st Unit Assigned	10/9/2016	04:53:29			Call Received to 1st Assign	00:01:56
1st Unit Enroute	10/9/2016	04:55:06			Assigned to 1st Enroute	00:01:37
1st Unit Arrived	10/9/2016	05:00:23			Enroute to 1st Arrived	00:05:17
Closed	10/9/2016	05:10:20	VisiNetMobileInterface		Incident Duration	00:18:47

## Resources Assigned

Unit	Assigned	Disposition	Enroute	Staged	Arrived	At Patient	Delay Avail	Complete	Odm. Enroute	Odm. Arrived	Cancel Reason
ME11	04:53:29	1CC-Completed Call	04:55:06		05:00:23			05:10:20			

## Personnel Assigned

Unit	Name
ME11	Georgas, George (8819); Mather, Ian (Fire) (9492); Tolmach, David (9245)

## Pre-Scheduled Information

No Pre-Scheduled Information

## Transports

No Transports Information

## Transport Legs

No Transports Information

## Comments

Date	Time	User	Type	Conf.	Comments
10/9/2016	04:52:02	MWP4720	Response		STRONG CHEMICAL SMELL
10/9/2016	04:52:38	MWP4720	Response		BELIEVES ITS COMING FROM THE VENECO PLANT
10/9/2016	04:53:15	MWP4720	Response		Multi-Agency Law Incident #: SBSO160104496
10/9/2016	04:53:29	GA3826	Response		Automatic Case Number(s) issued for SBC: FSBC160011521, [Shared]

10/9/2016	04:53:37	ZM25	Response	11 Alerted at 10/09/2016 04:53:37 for ME11 [Shared]
10/9/2016	04:55:15	JGA2809	Response	[Law] has closed their incident [SBSO160104496]
10/9/2016	05:10:46	GA3826	Response	ME11 ITS COMING FROM THE VENECO FACILITY / NO HAZARD EXISTS [Shared]

**Address Changes**  
**No Address Changes**

**Priority Changes**  
**No Priority Changes**

**Alarm Level Changes**

Date	Time	User	Change to Alarm
10/9/2016	04:53:29	GA	1

**Activity Log**

Date	Time	Radio	Activity	Location	Log Entry	User
10/9/2016	04:53:14		Incident in Waiting Queue		Waiting Pending Incident Time	
10/9/2016	04:53:14		Waiting Pending Incident Time Warning		Warning timer expired	
10/9/2016	04:53:15		ANI/ALI Statistics		INT Insert:Oct 09 2016 04:51:31 / INT SendNP: / WS RecvNP:Oct 09 2016 04:51:30 / WS Process:Oct 09 2016 04:53:15	MWP4720
10/9/2016	04:53:15		MultiAgencyResponse		Generated Inc: Law Inc#SBSO160104496	MWP4720
10/9/2016	04:53:25		Initial Assignment		The following unit(s) is (are) recommended for assignment: ME11 (00:03:13)	GA3826
10/9/2016	04:53:25		Read Incident		Incident 395 was Marked as Read.	GA3826
10/9/2016	04:53:29	ME11	Disp	82 Sanderling Ln	Response Number (10092016-0017680)	GA3826
10/9/2016	04:53:44		Remove Waiting Pending Incident Warning		Removing Waiting Pending Incident Time Warning timer expired	
10/9/2016	04:55:06	ME11	Enrt	82 Sanderling Ln	Responding From = FREY WAYSTORKE RD	VNMINT
10/9/2016	05:00:23	ME11	At Scene	82 Sanderling Ln	Unit speed at the time of status change : 09.73	VNMINT
10/9/2016	05:10:20	ME11	Available	82 Sanderling Ln		VNMINT
10/9/2016	05:10:20		Response Closed	82 Sanderling Ln	Response Disposition: 1CC-Completed Call	VNMINT
10/9/2016	05:10:47		UserAction		User clicked Exit/Save	GA3826
10/9/2016	05:33:43		UserAction		User clicked Exit/Save	GA3826
10/9/2016	05:44:24		UserAction		User clicked Exit/Save	MWP4720

**Edit Log**

Date	Time	Field	Changed From	Changed To	Reason	Table	Workstation User
10/9/2016	04:51:33	Call_Back_Phone		(805) 844-6854	(Response Viewer)	Response_Master_Incident	CADDSP02 MWP4720
10/9/2016	04:51:34	Address	(Blank)	7825-7836 HOLLISTER AV	New Entry	Response_Master_Incident	CADDSP02 MWP4720
10/9/2016	04:51:34	Address		7825-7836 HOLLISTER AV	(Response Viewer)	Response_Master_Incident	CADDSP02 MWP4720
10/9/2016	04:51:34	City		Goleta	(Response Viewer)	Response_Master_Incident	CADDSP02 MWP4720
10/9/2016	04:51:34	State		CA	(Response Viewer)	Response_Master_Incident	CADDSP02 MWP4720
10/9/2016	04:51:34	Latitude	0	34429789	(Response Viewer)	Response_Master_Incident	CADDSP02 MWP4720
10/9/2016	04:51:34	Longitude	0	119901396	(Response Viewer)	Response_Master_Incident	CADDSP02 MWP4720
10/9/2016	04:51:34	Cross_Street		No X-Street/No X-Street	(Response Viewer)	Response_Master_Incident	CADDSP02 MWP4720
10/9/2016	04:51:34	County		Santa Barbara	(Response Viewer)	Response_Master_Incident	CADDSP02 MWP4720
10/9/2016	04:51:34	Jurisdiction		SBSO	(Response Viewer)	Response_Master_Incident	CADDSP02 MWP4720
10/9/2016	04:51:34	Division		GOLT	(Response Viewer)	Response_Master_Incident	CADDSP02 MWP4720
10/9/2016	04:51:34	Battalion		GOLT	(Response Viewer)	Response_Master_Incident	CADDSP02 MWP4720
10/9/2016	04:51:34	Response_Area		GOLT	(Response Viewer)	Response_Master_Incident	CADDSP02 MWP4720

10/9/2016 04:51:48 Address	7825-7836 HOLLISTER AV	82 SANDE	Viewer) Address Change	Response_Master_IncidentCADDSP02	MWP4720
10/9/2016 04:51:48 Address	7825-7836 HOLLISTER AV	82 SANDERLING LN	(Response Viewer)	Response_Master_IncidentCADDSP02	MWP4720
10/9/2016 04:51:48 Postal_Code		93117	(Response Viewer)	Response_Master_IncidentCADDSP02	MWP4720
10/9/2016 04:51:48 Latitude	34429789	34430220	(Response Viewer)	Response_Master_IncidentCADDSP02	MWP4720
10/9/2016 04:51:48 Longitude	119901396	119901279	(Response Viewer)	Response_Master_IncidentCADDSP02	MWP4720
10/9/2016 04:51:48 Street_Id	NULL	53530	(Response Viewer)	Response_Master_IncidentCADDSP02	MWP4720
10/9/2016 04:51:48 Cross_Street	No X- Street/No X- Street	LAS ARMAS RD/LAS ARMAS RD	(Response Viewer)	Response_Master_IncidentCADDSP02	MWP4720
10/9/2016 04:52:06 Jurisdiction	SBSO	SBC	(Response Viewer)	Response_Master_IncidentCADDSP02	MWP4720
10/9/2016 04:52:06 Division	GOLT	DIV1 Operations	(Response Viewer)	Response_Master_IncidentCADDSP02	MWP4720
10/9/2016 04:52:06 Battalion	GOLT	BAT1	(Response Viewer)	Response_Master_IncidentCADDSP02	MWP4720
10/9/2016 04:52:06 Response_Area	GOLT	SBC00021SBC	(Response Viewer)	Response_Master_IncidentCADDSP02	MWP4720
10/9/2016 04:52:30 Caller_Name		MARK KRAM / 805-844-6854	(Response Viewer)	Response_Master_IncidentCADDSP02	MWP4720
10/9/2016 04:53:14 Problem		Gas Leak Outside	(Response Viewer)	Response_Master_IncidentCADDSP02	MWP4720
10/9/2016 04:53:15 Pickup_Map_Info		11SKU3313		Response_Transports	CADDSP02 MWP4720
10/9/2016 04:53:15 Map_Info		11SKU3313		Response_Master_IncidentCADDSP02	MWP4720
10/9/2016 04:53:25 Read Call	False	True	(Response Viewer)	Response_Master_IncidentCADDSP10	GA3826

**Custom Time Stamps**  
No Custom Time Stamps

**Custom Data Fields**  
No Custom Data Fields

**Attachments**  
No Attachment

# Incident Detail Report

Data Source: Data Warehouse  
 Incident Status: Closed  
 Incident number: FSBC160013252  
 Incident Date: 10/9/2016 10:28:30  
 Last Updated: 10/19/2016 13:50:30

## Incident Information

Incident Type:	Single Engine	Alarm Level:	1
Priority:	Code 3	Problem:	Single Engine Response - Defau
Determinant:		Agency:	Fire
Base Response#:	10092016-0017693	Jurisdiction:	SBC
Confirmation#:		Division:	DIV1 Operations
Taken By:	Farley, Susan	Battalion:	BAT1
Response Area:	SBCSBC6ESBC	Response Plan:	Eng
Disposition:	1CC-Completed Call	Command Ch:	
Cancel Reason:		Primary TAC:	
Incident Status:	Closed	Secondary TAC:	
Certification:		Delay Reason (if any):	
Longitude:	119902879	Latitude:	34434660

## Incident Location

Location Name:		County:	Santa Barbara
Address:	86 Touran Ln	Location Type:	
Apartment:		Cross Street:	WINCHESTER CI/WINCHESTER CI
Building:		Map Reference:	11SKU3314
City, State, Zip:	Goleta CA 93117		

## Call Receipt

Caller Name: VERIZON WIRELESS 800 451 5242

## Method Received:

Caller Type: Call Back Phone: (620) 952-9201  
Caller Location: 230 WINCHESTER CANYON RD

## Time Stamps

Description	Date	Time	User
Phone Pickup	10/9/2016	10:27:17	
1st Key Stroke	10/9/2016	10:27:17	
In Waiting Queue	10/9/2016	10:28:31	
Call Taking Complete	10/9/2016	10:39:11	Farley, Susan
1st Unit Assigned	10/9/2016	10:28:44	
1st Unit Enroute	10/9/2016	10:29:48	
1st Unit Arrived	10/9/2016	10:38:26	
Closed	10/9/2016	10:42:54	VisiNetMobileInterface

## Elapsed Times

Description	Time
Received to In Queue	00:00:01
Call Taking	00:10:41
In Queue to 1st Assign	00:00:13
Call Received to 1st Assign	00:01:27
Assigned to 1st Enroute	00:01:04
Enroute to 1st Arrived	00:08:38
Incident Duration	00:15:37

## Resources Assigned

Unit	Assigned	Disposition	Enroute	Staged	Arrived	At Patient	Delay Avail	Complete	Odm. Enroute	Odm. Arrived	Cancel Reason
ME11	10:28:44	1CC-Completed Call	10:29:48		10:38:26			10:42:54			

## Personnel Assigned

Unit Name  
 ME11 Georgas, George (8819); Mather, Ian (Fire) (9492); Tolmach, David (9245)

## Pre-Scheduled Information

No Pre-Scheduled Information

## Transports

No Transports Information

## Transport Legs

No Transports Information

## Comments

Date	Time	User	Type	Conf.	Comments
10/9/2016	10:28:44	NIC2751	Response		Automatic Case Number(s) issued for SBC: FSBC160011532.
10/9/2016	10:28:45	SRF3643	Response		TECHNICALLLY A "GASIN"
10/9/2016	10:28:51	ZM25	Response		11 Alerted at 10/09/2016 10:28:51 for ME11

10/9/2016 10:29:21 SRF3643 Response [Notification] [Fire]-RP SMELLS NATURAL GAS INSIDE THE HOUSE- SHE ALSO SMELLS IT OUTSIDE BUT THINKS IS INSIDE AS WELL....WANTS FIRE TO CHECK HER HOME

Address Changes  
No Address Changes

Priority Changes  
No Priority Changes

Alarm Level Changes  
Date Time User Change to Alarm  
10/9/2016 10:28:44 NZ 1

Date	Time	Radio	Activity	Location	Log Entry	User
10/9/2016	10:28:31		ANI/ALI Statistics		INT Insert:Oct 09 2016 10:27:08 / INT SendNP: / WS RecvNP:Oct 09 2016 10:27:07 / WS Process:Oct 09 2016 10:28:31	SRF3643
10/9/2016	10:28:31		Incident in Waiting Queue			
10/9/2016	10:28:31		Waiting Pending Incident Time Warning		Waiting Pending Incident Time Warning timer expired	
10/9/2016	10:28:38		Read Incident		Incident 518 was Marked as Read.	NIC2751
10/9/2016	10:28:38		Initial Assignment		The following unit(s) is (are) recommended for assignment: ME11 (00:04:01)	NIC2751
10/9/2016	10:28:44	ME11	Disp	86 Touran Ln	Response Number (10092016-0017693)	NIC2751
10/9/2016	10:29:01		Remove Waiting Pending Incident Warning		Removing Waiting Pending Incident Time Warning timer expired	
10/9/2016	10:29:21		Notify Comment		(Response Viewer)	
10/9/2016	10:29:48	ME11	Ent	86 Touran Ln	Responding From = FREY WAYSTORKE RD	VNMINT
10/9/2016	10:35:54		UserAction		User clicked Exit/Save	NIC2751
10/9/2016	10:38:26	ME11	At Scene	86 Touran Ln	Unit speed at the time of status change : 10.51	VNMINT
10/9/2016	10:39:11		UserAction		User clicked Exit/Save	SRF3643
10/9/2016	10:42:54		Response Closed	86 Touran Ln	Response Disposition: 1CC-Completed Call	VNMINT
10/9/2016	10:42:54	ME11	Available	86 Touran Ln		VNMINT

Date	Time	Field	Changed From	Changed To	Reason	Table	Workstation	User
10/9/2016	10:27:17	Call_Back_Phone		(620) 952-9201	(Response Viewer)	Response_Master_Incident	CADDSP05	SRF3643
10/9/2016	10:27:17	Address	(Blank)	230 WINCHESTER CANYON RD	New Entry	Response_Master_Incident	CADDSP05	SRF3643
10/9/2016	10:27:17	Address		230 WINCHESTER CANYON RD	(Response Viewer)	Response_Master_Incident	CADDSP05	SRF3643
10/9/2016	10:27:17	City		Goleta	(Response Viewer)	Response_Master_Incident	CADDSP05	SRF3643
10/9/2016	10:27:17	State		CA	(Response Viewer)	Response_Master_Incident	CADDSP05	SRF3643
10/9/2016	10:27:17	Postal_Code		93117	(Response Viewer)	Response_Master_Incident	CADDSP05	SRF3643
10/9/2016	10:27:17	Latitude	0	34439481	(Response Viewer)	Response_Master_Incident	CADDSP05	SRF3643
10/9/2016	10:27:17	Longitude	0	119906136	(Response Viewer)	Response_Master_Incident	CADDSP05	SRF3643
10/9/2016	10:27:17	Street_Id	NULL	10919	(Response Viewer)	Response_Master_Incident	CADDSP05	SRF3643
10/9/2016	10:27:17	Cross_Street		ARMAS CANYON RD/No X-Street	(Response Viewer)	Response_Master_Incident	CADDSP05	SRF3643
10/9/2016	10:27:17	Apartment		40-4-194-1	(Response Viewer)	Response_Master_Incident	CADDSP05	SRF3643
10/9/2016	10:27:17	County		Santa Barbara	(Response Viewer)	Response_Master_Incident	CADDSP05	SRF3643



10/9/2016 10:27:17	Jurisdiction		AMRS	(Response Response_Master_IncidentCADDSP05 SRF3643 Viewer)
10/9/2016 10:27:17	Division		AMRS	(Response Response_Master_IncidentCADDSP05 SRF3643 Viewer)
10/9/2016 10:27:17	Battalion		AMRS	(Response Response_Master_IncidentCADDSP05 SRF3643 Viewer)
10/9/2016 10:27:17	Response_Area		SOUTHSEMI1	(Response Response_Master_IncidentCADDSP05 SRF3643 Viewer)
10/9/2016 10:28:02	Address	230 WINCHESTER CANYON RD	86 TOR	Address Response_Master_IncidentCADDSP05 SRF3643 Change
10/9/2016 10:28:14	Address	230 WINCHESTER CANYON RD	86 TOL	Address Response_Master_IncidentCADDSP05 SRF3643 Change
10/9/2016 10:28:26	Address	230 WINCHESTER CANYON RD	86 TOURAN	Address Response_Master_IncidentCADDSP05 SRF3643 Change
10/9/2016 10:28:26	Address	230 WINCHESTER CANYON RD	86 TOURAN LN	(Response Response_Master_IncidentCADDSP05 SRF3643 Viewer)
10/9/2016 10:28:26	Latitude	34439481	34434660	(Response Response_Master_IncidentCADDSP05 SRF3643 Viewer)
10/9/2016 10:28:26	Longitude	119906136	119902879	(Response Response_Master_IncidentCADDSP05 SRF3643 Viewer)
10/9/2016 10:28:26	Street_Id	10919	10247	(Response Response_Master_IncidentCADDSP05 SRF3643 Viewer)
10/9/2016 10:28:26	Cross_Street	ARMAS CANYON RD/No X-Street	WINCHESTER CI/WINCHESTER CI	(Response Response_Master_IncidentCADDSP05 SRF3643 Viewer)
10/9/2016 10:28:26	Apartment	40-4-194-1		(Response Response_Master_IncidentCADDSP05 SRF3643 Viewer)
10/9/2016 10:28:26	Response_Area	SOUTHSEMI1	GOLETAURBAN1	(Response Response_Master_IncidentCADDSP05 SRF3643 Viewer)
10/9/2016 10:28:29	Jurisdiction	AMRS	SBC	(Response Response_Master_IncidentCADDSP05 SRF3643 Viewer)
10/9/2016 10:28:29	Division	AMRS	DIV1 Operations	(Response Response_Master_IncidentCADDSP05 SRF3643 Viewer)
10/9/2016 10:28:29	Battalion	AMRS	BAT1	(Response Response_Master_IncidentCADDSP05 SRF3643 Viewer)
10/9/2016 10:28:29	Response_Area	GOLETAURBAN1	SBCSBC6ESBC	(Response Response_Master_IncidentCADDSP05 SRF3643 Viewer)
10/9/2016 10:28:31	Problem		Single Engine Response - Defau	(Response Response_Master_IncidentCADDSP05 SRF3643 Viewer)
10/9/2016 10:28:31	Pickup_Map_Info		11SKU3314	Response_Transports CADDSP05 SRF3643
10/9/2016 10:28:31	Map_Info		11SKU3314	Response_Master_IncidentCADDSP05 SRF3643
10/9/2016 10:28:38	Read Call	False	True	(Response Response_Master_IncidentCADDSP10 NIC2751 Viewer)

Custom Time Stamps  
No Custom Time Stamps

Custom Data Fields  
No Custom Data Fields

Attachments  
No Attachment

# Incident Detail Report

Data Source: Data Warehouse  
 Incident Status: Closed  
 Incident number: FSBC160013253  
 Incident Date: 10/9/2016 10:32:26  
 Last Updated: 10/19/2016 13:51:10

**Incident Information**

<b>Incident Type:</b>	Structure Fire	<b>Alarm Level:</b>	1
<b>Priority:</b>	Code 3	<b>Problem:</b>	Gas Leak Inside
<b>Determinant:</b>		<b>Agency:</b>	Fire
<b>Base Response#:</b>	10092016-0017694	<b>Jurisdiction:</b>	SBC
<b>Confirmation#:</b>		<b>Division:</b>	DIV1 Operations
<b>Taken By:</b>	Farley, Susan	<b>Battalion:</b>	BAT1
<b>Response Area:</b>	SBCSBC6ESBC	<b>Response Plan:</b>	Eng-Full (3E/TK/BC)
<b>Disposition:</b>	1CC-Completed Call	<b>Command Ch:</b>	SBCC5-Rx154.8750Tx155.1300TN11
<b>Cancel Reason:</b>		<b>Primary TAC:</b>	SBCT8 154.8450 TN9
<b>Incident Status:</b>	Closed	<b>Secondary TAC:</b>	
<b>Certification:</b>		<b>Delay Reason (if any):</b>	
<b>Longitude:</b>	119901000	<b>Latitude:</b>	34438386

**Incident Location**

<b>Location Name:</b>		<b>County:</b>	Santa Barbara
<b>Address:</b>	7820 Wagon Wheel Dr	<b>Location Type:</b>	
<b>Apartment:</b>		<b>Cross Street:</b>	RIO VISTA DR/LANGLLO RANCH RD
<b>Building:</b>		<b>Map Reference:</b>	11SKU3314
<b>City, State, Zip:</b>	Goleta CA 93117		

**Call Receipt**

<b>Caller Name:</b>	AT&T MOBILITY 800 635 6840 4	<b>Call Back Phone:</b>	(805) 708-0497
<b>Method Received:</b>		<b>Caller Location:</b>	10150 W CAMINO CIELO
<b>Caller Type:</b>			

**Time Stamps**

Description	Date	Time	User	Elapsed Times Description	Time
Phone Pickup	10/9/2016	10:31:42			
1st Key Stroke	10/9/2016	10:31:43		Received to In Queue	00:00:02
In Waiting Queue	10/9/2016	10:32:28		Call Taking	00:06:44
Call Taking Complete	10/9/2016	10:39:10	Farley, Susan	In Queue to 1st Assign	00:00:27
1st Unit Assigned	10/9/2016	10:32:55		Call Received to 1st Assign	00:01:13
1st Unit Enroute	10/9/2016	10:33:57		Assigned to 1st Enroute	00:01:02
1st Unit Arrived	10/9/2016	10:43:00		Enroute to 1st Arrived	00:09:03
Closed	10/9/2016	10:50:55	VisiNetMobileInterface	Incident Duration	00:19:13

**Resources Assigned**

Unit	Assigned	Disposition	Enroute	Staged	Arrived	At Patient	Delay Avail	Complete	Odm. Enroute	Odm. Arrived	Cancel Reason
ME17	10:32:55	1CC-Completed Call	10:35:14		10:44:26			10:49:40			
ME14	10:32:55	1CC-Completed Call	10:33:57		10:46:50			10:48:38	0.3	0.3	
STB4	10:32:55							10:36:54			
T11	10:32:55	1CC-Completed Call	10:34:18		10:43:00			10:50:55			
513	10:32:55		10:34:25					10:48:30			
ME11	10:45:04		10:45:17		10:46:22			10:48:34			

**Personnel Assigned**

Unit	Name
ME17	Castellanos, Adrian (9944); Farrell, Andrew (16343); Jakins, Tahj (11208)
ME14	Acosta, Mark (2771) - Fire CAD Administrator; Hansen, Christopher (9490); Riach, Michael (7639)
T11	Dalcerri, Michael (4497); Postma, Michael (9249); Thomas, Max (9499)
513	Neels, David (5285)
ME11	Georgas, George (8819); Mather, Ian (Fire) (9492); Tolmach, David (9245)

**Pre-Scheduled Information**

No Pre-Scheduled Information

**Transports**

No Transports Information

**Transport Legs**

No Transports Information

**Comments**

Date	Time	User	Type	Conf.	Comments
10/9/2016	10:32:28	SRF3643	Response		Multi-Agency Law Incident #: SBSO160104547
10/9/2016	10:32:55	NIC2751	Response		Automatic Case Number(s) issued for SBC: FSBC160011533. [Shared]
10/9/2016	10:32:55	NIC2751	Response		Automatic Case Number(s) issued for STB Fire: FSTB160000126. [Shared]
10/9/2016	10:33:01	SRF3643	Response		RP CLAIMS THE SMELL WAS DISAPPAPATED BEFORE BUT IS STRONG AGAON

10/9/2016	10:33:03	ZM25	Response	[Shared]
10/9/2016	10:33:06	ZM25	Response	17 Alerted at 10/09/2016 10:33:03 for ME17 [Shared]
10/9/2016	10:33:08	ZM25	Response	13 Alerted at 10/09/2016 10:33:06 for ME14 [Shared]
10/9/2016	10:33:11	ZM25	Response	12 Alerted at 10/09/2016 10:33:08 for T11 [Shared]
10/9/2016	10:34:07	NIC2751	Response	B2 Alerted at 10/09/2016 10:33:11 for 513 [Shared]
10/9/2016	10:34:16	KAQ4064	Response	[Page] COMM 5,T8 [Shared]
10/9/2016	10:34:22	SRF3643	Response	SBFD ADVISED [Shared]
10/9/2016	10:37:30	NIC2751	Response	[Page] PER RP, THE HOUSE WAS COMPLETELY AIRED OUT, LEFT AND WHEN RETURNED SMELL WAS SUPER STRONG AGAIN [Shared]
10/9/2016	10:42:52	NIC2751	Response	[Page] STB4 WILL COVE SBC 12 [Shared]
10/9/2016	10:48:35	NIC2751	Response	[Page] COP3 1MILE TO GO [Shared]
10/9/2016	10:50:31	JMS4144	Response	[Page] SAME SMELL..CANCEL THE ASSIMENT [Shared]
				[Law] has closed their incident [SBSO160104547]

Address Changes  
No Address Changes

Priority Changes  
No Priority Changes

Alarm Level Changes	Date	Time	User	Change to Alarm
	10/9/2016	10:32:55	NZ	1

Activity Log

Date	Time	Radio	Activity	Location	Log Entry	User
10/9/2016	10:32:28		Incident in Waiting Queue			
10/9/2016	10:32:28		ANI/ALI Statistics		INT Insert:Oct 09 2016 10:31:40 / INT SendNP: / WS RecvNP:Oct 09 2016 10:31:40 / WS Process:Oct 09 2016 10:32:28	SRF3643
10/9/2016	10:32:28		MultiAgencyResponse		Generated Inc: Law Inc#SBSO160104547	SRF3643
10/9/2016	10:32:28		Waiting Pending Incident Time Warning		Waiting Pending Incident Time Warning timer expired	
10/9/2016	10:32:33		Initial Assignment		The following unit(s) is (are) recommended for assignment: ME17 (00:06:50),ME14 (00:09:47),STB4 (00:10:55),T11 (00:05:29),513 (00:46:35)	NIC2751
10/9/2016	10:32:33		Read Incident		Incident 519 was Marked as Read.	NIC2751
10/9/2016	10:32:50		UserAction		User clicked Initial Assign	NIC2751
10/9/2016	10:32:50		Initial Assignment		The following unit(s) is (are) recommended for assignment: ME17 (00:06:50),ME14 (00:09:47),STB4 (00:10:55),T11 (00:05:29),513 (00:46:35)	NIC2751
10/9/2016	10:32:55	ME17	Disp	7820 Wagon Wheel Dr	Response Number (10092016-0017694)	NIC2751
10/9/2016	10:32:55	ME14	Disp	7820 Wagon Wheel Dr	Response Number (10092016-0017695)	NIC2751
10/9/2016	10:32:55	STB4	Disp	7820 Wagon Wheel Dr	Response Number (10092016-0017696)	NIC2751
10/9/2016	10:32:55	T11	Disp	7820 Wagon Wheel Dr	Response Number (10092016-0017697)	NIC2751
10/9/2016	10:32:55	513	Disp	7820 Wagon Wheel Dr	Response Number (10092016-0017698)	NIC2751
10/9/2016	10:32:58		Remove Waiting Pending Incident Warning		Removing Waiting Pending Incident Time Warning timer expired	
10/9/2016	10:33:05		UserAction		User clicked Exit/Save	JMS4144
10/9/2016	10:33:44		Incident Primary TAC Channel		Primary TAC Channel SBCT8 154.8450 TN9 has been added.	NIC2751
10/9/2016	10:33:54		UserAction		User clicked Exit/Save	JMS4144
10/9/2016	10:33:57	ME14	Enrt	7820 Wagon Wheel Dr	Responding From = HOLLISTER AVEIS SAN ANTONIO RD	VNMINT
10/9/2016	10:34:07		Notify Comment		(Response Viewer)	
10/9/2016	10:34:18	T11	Enrt	7820 Wagon Wheel Dr	Responding From = HWY 101\FAIRVIEW AV SB OFFRAMP	VNMINT
10/9/2016	10:34:22		Notify Comment		(Response Viewer)	
10/9/2016	10:34:25	513	Enrt	7820 Wagon Wheel Dr	Responding From = LESLIE ST\CENTENNIAL ST	VNMINT
10/9/2016	10:35:14	ME17	Enrt	7820 Wagon Wheel Dr	Responding From = MESA RD\STADIUM RD	NIC2751
10/9/2016	10:36:11		UserAction		User clicked Exit/Save	KAQ4064
10/9/2016	10:36:54	STB4	Available	7820 Wagon Wheel Dr		NIC2751
10/9/2016	10:37:30		Notify Comment		(Response Viewer)	
10/9/2016	10:39:10		UserAction		User clicked Exit/Save	SRF3643
10/9/2016	10:41:41		UserAction		User clicked Exit/Save	KAQ4064
10/9/2016	10:42:52		Notify Comment		(Response Viewer)	
10/9/2016	10:43:00	T11	At Scene	7820 Wagon Wheel Dr	Unit speed at the time of status change : 25.26	VNMINT
10/9/2016	10:44:26	ME17	At Scene	7820 Wagon Wheel Dr	Unit speed at the time of status change : 00.97	VNMINT
10/9/2016	10:45:04	ME11	Disp	7820 Wagon Wheel Dr	Response Number (10092016-0017699)	NIC2751
10/9/2016	10:45:17	ME11	Enrt	7820 Wagon Wheel Dr	Responding From = CATHEDRAL OAKS RD\CALLE REAL	NIC2751
10/9/2016	10:46:22	ME11	At Scene	7820 Wagon Wheel Dr	Unit speed at the time of status change : 13.12	VNMINT
10/9/2016	10:46:50	ME14	At Scene	7820 Wagon Wheel Dr	Unit speed at the time of status change : 32.76	VNMINT
10/9/2016	10:48:30	513	Available	7820 Wagon Wheel Dr		VNMINT
10/9/2016	10:48:34	ME11	Available	7820 Wagon Wheel Dr		VNMINT
10/9/2016	10:48:35		Notify Comment		(Response Viewer)	
10/9/2016	10:48:38	ME14	Available	7820 Wagon Wheel Dr		VNMINT
10/9/2016	10:49:40	ME17	Available	7820 Wagon Wheel Dr		VNMINT
10/9/2016	10:50:55	T11	Available	7820 Wagon Wheel Dr		VNMINT
10/9/2016	10:50:55		Response Closed	7820 Wagon Wheel Dr	Response Disposition: 1CC-Completed Call	VNMINT
10/9/2016	10:54:30		UserAction		User clicked Exit/Save	NIC2751

Edit Log

Date	Time	Field	Changed From	Changed To	Reason	Table	WorkstationUser
10/9/2016	10:31:42	Call_Back_Phone		(805) 708-0497	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:42	Address	(Blank)	10150 W CAMINO CIELO	New Entry	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:42	Address		10150 W CAMINO CIELO	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:42	City		Santa Barbara	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:42	State		CA	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:42	Postal_Code		93105	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:42	Latitude	0	34526682	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:42	Longitude	0	119981325	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:42	Street_Id	NULL	29337	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:42	Cross_Street		S REFUGIO RD/KINEVAN RD	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:42	Apartment		10560-1401	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:42	County		Santa Barbara	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:42	Jurisdiction		AMRN	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:42	Division		AMRN	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:42	Battalion		AMRN	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:42	Response_Area		WILDERNESSFOREST	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:47	Address	10150 W CAMINO CIELO	7820 WAGON WHEEL	Address Change	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:49	Address	10150 W CAMINO CIELO	7820 WAGON WHEEL DR	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:49	City	Santa Barbara	Goleta	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:49	Postal_Code	93105	93117	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:49	Latitude	34526682	34438386	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:49	Longitude	119981325	119901000	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:49	Street_Id	29337	10241	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:49	Cross_Street	S REFUGIO RD/KINEVAN RD	RIO VISTA DR/LANGLO RANCH RD	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:49	Apartment	10560-1401		(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:49	Jurisdiction	AMRN	AMRS	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:49	Division	AMRN	AMRS	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:49	Battalion	AMRN	AMRS	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:49	Response_Area	WILDERNESSFOREST	GOLETAURBAN1	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:58	Jurisdiction	AMRS	SBC	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:58	Division	AMRS	DIV1 Operations	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:58	Battalion	AMRS	BAT1	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:31:58	Response_Area	GOLETAURBAN1	SBCSBC6ESBC	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:32:28	Problem		Gas Leak Inside	(Response Viewer)	Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:32:28	Pickup_Map_Info		11SKU3314		Response_Transports	CADDSP05 SRF3643
10/9/2016	10:32:28	Map_Info		11SKU3314		Response_Master_Incident	CADDSP05 SRF3643
10/9/2016	10:32:33	Read Call	False	True	(Response Viewer)	Response_Master_Incident	CADDSP10 NIC2751
10/9/2016	10:33:38	Command_Channel		SBCC5-Rx154.8750Tx155.1300TN11	(Response Viewer)	Response_Master_Incident	CADDSP10 NIC2751
10/9/2016	10:33:44	Primary_TAC_Channel		SBC T8 154.8450 TN9	(Response Viewer)	Response_Master_Incident	CADDSP10 NIC2751

Custom Time Stamps  
No Custom Time Stamps

Custom Data Fields  
No Custom Data Fields

Attachments  
No Attachment

# Incident Detail Report

Data Source: Data Warehouse  
 Incident Status: Closed  
 Incident number: FSBC160013277  
 Incident Date: 10/9/2016 20:41:30  
 Last Updated: 10/19/2016 13:51:59

## Incident Information

<b>Incident Type:</b>	Hazardous Condition	<b>Alarm Level:</b>	1
<b>Priority:</b>	Code 3	<b>Problem:</b>	Gas Leak Outside
<b>Determinant:</b>		<b>Agency:</b>	Fire
<b>Base Response#:</b>	10092016-0017730	<b>Jurisdiction:</b>	SBC
<b>Confirmation#:</b>		<b>Division:</b>	DIV1 Operations
<b>Taken By:</b>	Paine, Matthew	<b>Battalion:</b>	BAT1
<b>Response Area:</b>	SBCSBC6ESBC	<b>Response Plan:</b>	Eng
<b>Disposition:</b>	1CC-Completed Call	<b>Command Ch:</b>	
<b>Cancel Reason:</b>		<b>Primary TAC:</b>	
<b>Incident Status:</b>	Closed	<b>Secondary TAC:</b>	
<b>Certification:</b>		<b>Delay Reason (if any):</b>	
<b>Longitude:</b>	119903721	<b>Latitude:</b>	34434985

## Incident Location

<b>Location Name:</b>	County: Santa Barbara
<b>Address:</b>	<b>Location Type:</b>
7914 Winchester Ci	TOURAN LN/ARROYO VISTA DR
<b>Apartment:</b>	<b>Cross Street:</b>
	11SKU3314
<b>Building:</b>	<b>Map Reference:</b>
<b>City, State, Zip:</b>	
Goleta CA 93117	

## Call Receipt

<b>Caller Name:</b>	805-698-5418
CELIA ESTRELLA / 805-698-5418	
<b>Method Received:</b>	<b>Call Back Phone:</b>
	805-698-5418
<b>Caller Type:</b>	<b>Caller Location:</b>
	7914 WINCHESTER CI

## Time Stamps

Description	Date	Time	User	Elapsed Times	Description	Time
Phone Pickup	10/9/2016	20:38:51				
1st Key Stroke	10/9/2016	20:38:51			Received to In Queue	00:00:02
In Waiting Queue	10/9/2016	20:41:32			Call Taking	
Call Taking Complete	10/9/2016	20:41:32	Paine, Matthew		In Queue to 1st Assign	00:00:13
1st Unit Assigned	10/9/2016	20:41:45			Call Received to 1st Assign	00:02:54
1st Unit Enroute	10/9/2016	20:42:38			Assigned to 1st Enroute	00:00:53
1st Unit Arrived	10/9/2016	20:50:41			Enroute to 1st Arrived	00:08:03
Closed	10/9/2016	23:14:14	VisiNetMobileInterface		Incident Duration	02:35:23

## Resources Assigned

Unit	Assigned	Disposition	Enroute	Staged	Arrived	At Patient	Delay Avail	Complete	Odm. Enroute	Odm. Arrived	Cancel Reason
ME11	20:41:45	1CC-Completed Call	20:42:38		20:50:41			23:14:14			

## Personnel Assigned

Unit	Name
ME11	Jones, Kevin (8495); Park, Alexander (14499) - Firefighter; Tolmach, David (9245)

## Pre-Scheduled Information

No Pre-Scheduled Information

## Transports

No Transports Information

## Transport Legs

No Transports Information

## Comments

Date	Time	User	Type	Conf.	Comments
10/9/2016	20:39:08	MWP4720	Response		STRONG ODER
10/9/2016	20:39:22	MWP4720	Response		POSSIBLY COMING FROM THE VENECO PLANT
10/9/2016	20:41:07	MWP4720	Response		RP WANTS TO DEPARTMENT TO CHECK THE AREA AND SPEAK TO FIRE DEPARTMENT ABOUT WHAT

10/9/2016	20:41:33	MWP4720	Response	CHEMICALS THEY ARE INHALING
10/9/2016	20:41:45	MWP4720	Response	Multi-Agency Law Incident #: SBSO160104688
10/9/2016	20:41:53	ZM25	Response	Automatic Case Number(s) issued for SBC:
10/9/2016	20:50:22	JVC4944	Response	FSBC160011555. [Shared]
10/9/2016	20:59:26	MWP4720	Response	11 Alerted at 10/09/2016 20:41:53 for ME11 [Shared]
10/9/2016	21:05:17	MWP4720	Response	[Law] has closed their incident [SBSO160104688]
10/9/2016	21:16:07	JNB3522	Response	2ND RP CALLING ABOUT THE STRONG GAS SMELL.
10/9/2016	21:36:08	JNB3522	Response	805-968-8363 [Shared]
10/9/2016	21:36:47	JNB3522	Response	ON THE SB SIDE IN THE INTERSECTION [Shared]
10/9/2016	21:38:01	JNB3522	Response	[Page] ADDT'L RP 805-680-8406 [Shared]
10/9/2016	22:17:07	JNB3522	Response	Duplicate call appended to incident at 21:36:08 [Shared]
10/9/2016	22:17:39	JNB3522	Response	[Page] ADDITIONAL RP JULIA RAGO 805-685-2792 [Shared]
10/9/2016	22:30:34	MWP4720	Response	[Page] MRS RAGO WANTS CONTACT FROM THE FIRE DEPT [Shared]
				Duplicate call appended to incident at 22:17:07 [Shared]
				[Page] ADDT'L RP WANTS A PHONE CALL KURT SKELTON 805-252-3001 [Shared]
				ADDITIONAL RP CALLING ABOUT THE SMELL IN THE AREA. 7906 WINCHESTER CI. SAYS IT IS NOW A RANCID SMELL. JULIANA HORTON 805-453-2677 [Shared]

**Address Changes**  
No Address Changes

**Priority Changes**  
No Priority Changes

**Alarm Level Changes**  
Date Time User Change to Alarm  
10/9/2016 20:41:45 MP 1

Activity Log						
Date	Time	Radio	Activity	Location	Log Entry	User
10/9/2016	20:41:32		Incident in Waiting Queue			
10/9/2016	20:41:32		Waiting Pending Incident		Waiting Pending Incident Time	
			Time Warning		Warning timer expired	
10/9/2016	20:41:33		MultiAgencyResponse		Generated Inc: Law	MWP4720
					Inc#SBSO160104688	
10/9/2016	20:41:39		Read Incident		Incident 828 was Marked as Read.	MWP4720
10/9/2016	20:41:39		Initial Assignment		The following unit(s) is (are)	MWP4720
					recommended for assignment: ME11	
					(00:04:06)	
10/9/2016	20:41:45	ME11	Disp	7914 Winchester Ci	Response Number (10092016-0017730)	MWP4720
10/9/2016	20:42:02		Remove Waiting Pending Incident Warning		Removing Waiting Pending Incident	
10/9/2016	20:42:38	ME11	Enrt	7914 Winchester Ci	Time Warning timer expired	VNMINT
					Responding From = FREY	
					WAY\STORKE RD	
10/9/2016	20:44:52		UserAction		User clicked Exit/Save	JVC4944
10/9/2016	20:47:43		UserAction		User clicked Exit/Save	MWP4720
10/9/2016	20:50:41	ME11	At Scene	7914 Winchester Ci	Unit speed at the time of status change : 00.00	VNMINT
10/9/2016	21:05:21		UserAction		User clicked Exit/Save	MWP4720
10/9/2016	21:16:07		Notify Comment		(Response Viewer)	
10/9/2016	21:16:10		UserAction		User clicked Exit/Save	JNB3522
10/9/2016	21:36:08		Duplicate Call Warning		Duplicate Call Warning - New call appended to incident	JNB3522
10/9/2016	21:36:47		Notify Comment		(Response Viewer)	
10/9/2016	21:38:01		Notify Comment		(Response Viewer)	
10/9/2016	21:38:14		UserAction		User clicked Exit/Save	JNB3522
10/9/2016	21:39:06		UserAction		User clicked Exit/Save	JNB3522
10/9/2016	22:17:07		Duplicate Call Warning		Duplicate Call Warning - New call appended to incident	JNB3522
10/9/2016	22:17:39		Notify Comment		(Response Viewer)	
10/9/2016	22:18:24		UserAction		User clicked Exit/Save	JNB3522
10/9/2016	22:35:55		UserAction		User clicked Exit/Save	MWP4720
10/9/2016	23:14:14		Response Closed	7914 Winchester Ci	Response Disposition: 1CC-Completed	VNMINT
					Call	
10/9/2016	23:14:14	ME11	Available	7914 Winchester Ci		VNMINT
10/9/2016	23:14:35		UserAction		User clicked Exit/Save	MWP4720

**Edit Log**

Date	Time	Field	Changed From	Changed To	Reason	Table	Workstation	User
10/9/2016	20:39:55	Caller_Name		CELIA ESTRELLA / 805-698-5418	(Response Viewer)	Response_Master_Incident	CADDSP10	MWP4720
10/9/2016	20:40:03	Caller_Location_Name		7914 WINCHESTER	(Response Viewer)	Response_Master_Incident	CADDSP10	MWP4720
10/9/2016	20:40:09	Address	(Blank)	7914 WINCHEST	New Entry	Response_Master_Incident	CADDSP10	MWP4720
10/9/2016	20:40:10	Address		7914 WINCHESTER CI	(Response Viewer)	Response_Master_Incident	CADDSP10	MWP4720
10/9/2016	20:40:10	City		Goleta	(Response Viewer)	Response_Master_Incident	CADDSP10	MWP4720
10/9/2016	20:40:10	State		CA	(Response Viewer)	Response_Master_Incident	CADDSP10	MWP4720
10/9/2016	20:40:10	Postal_Code		93117	(Response Viewer)	Response_Master_Incident	CADDSP10	MWP4720
10/9/2016	20:40:10	Latitude	0	34434985	(Response Viewer)	Response_Master_Incident	CADDSP10	MWP4720
10/9/2016	20:40:10	Longitude	0	119903721	(Response Viewer)	Response_Master_Incident	CADDSP10	MWP4720
10/9/2016	20:40:10	Street_Id	NULL	10242	(Response Viewer)	Response_Master_Incident	CADDSP10	MWP4720
10/9/2016	20:40:10	Cross_Street		TOURAN LN/ARROYO VISTA DR	(Response Viewer)	Response_Master_Incident	CADDSP10	MWP4720
10/9/2016	20:40:10	County		Santa Barbara	(Response Viewer)	Response_Master_Incident	CADDSP10	MWP4720
10/9/2016	20:40:10	Jurisdiction		SBC	(Response Viewer)	Response_Master_Incident	CADDSP10	MWP4720
10/9/2016	20:40:10	Division		DIV1 Operations	(Response Viewer)	Response_Master_Incident	CADDSP10	MWP4720
10/9/2016	20:40:10	Battalion		BAT1	(Response Viewer)	Response_Master_Incident	CADDSP10	MWP4720
10/9/2016	20:40:10	Response_Area		SBCSBC6ESBC	(Response Viewer)	Response_Master_Incident	CADDSP10	MWP4720
10/9/2016	20:40:15	Caller_Location_Name	7914 WINCHESTER	7914 WINCHESTER CI	(Response Viewer)	Response_Master_Incident	CADDSP10	MWP4720
10/9/2016	20:41:32	Problem		Gas Leak Outside	(Response Viewer)	Response_Master_Incident	CADDSP10	MWP4720
10/9/2016	20:41:32	Pickup_Map_Info		11SKU3314		Response_Transports	CADDSP10	MWP4720
10/9/2016	20:41:32	Map_Info		11SKU3314		Response_Master_Incident	CADDSP10	MWP4720
10/9/2016	20:41:39	Read Call	False	True	(Response Viewer)	Response_Master_Incident	CADDSP10	MWP4720
10/9/2016	21:37:34	Call_Back_Phone		805-698-5418	(Response Viewer)	Response_Master_Incident	CADDSP07	JNB3522

**Custom Time Stamps**  
**No Custom Time Stamps**

**Custom Data Fields**  
**No Custom Data Fields**

**Attachments**  
**No Attachment**



# Incident Detail Report

Data Source: Data Warehouse  
 Incident Status: Closed  
 Incident number: FSBC160013290  
 Incident Date: 10/10/2016 06:04:22  
 Last Updated: 10/19/2016 13:53:00

**Incident Information**

Incident Type:	Hazardous Condition	Alarm Level:	1
Priority:	Code 3	Problem:	Gas Leak Outside
Determinant:		Agency:	Fire
Base Response#:	10102016-0017749	Jurisdiction:	SBC
Confirmation#:		Division:	DIV1 Operations
Taken By:	Quinionez, Amanda C.	Battalion:	BAT1
Response Area:	SBC00021SBC	Response Plan:	Eng
Disposition:	1CC-Completed Call	Command Ch:	
Cancel Reason:		Primary TAC:	
Incident Status:	Closed	Secondary TAC:	
Certification:		Delay Reason (if any):	
Longitude:	119900911	Latitude:	34430461

**Incident Location**

Location Name:	County:
Address:	Santa Barbara
Apartment:	Location Type:
Building:	Cross Street:
City, State, Zip:	Map Reference:
Goleta CA 93117	LAS ARMAS RD/LAS ARMAS RD 11SKU3313

**Call Receipt**

Caller Name:	Call Back Phone:
MILLER ROBERT	(805) 618-1944
Method Received:	Caller Location:
Caller Type:	30 SANDERLING LN

**Time Stamps**

Description	Date	Time	User	Elapsed Times	Description	Time
Phone Pickup	10/10/2016	06:03:01				
1st Key Stroke	10/10/2016	06:03:25			Received to In Queue	00:00:02
In Waiting Queue	10/10/2016	06:04:24			Call Taking	00:00:04
Call Taking Complete	10/10/2016	06:04:26	Quinionez, Amanda C.		In Queue to 1st Assign	00:00:18
1st Unit Assigned	10/10/2016	06:04:42			Call Received to 1st Assign	00:01:41
1st Unit Enroute	10/10/2016	06:07:25			Assigned to 1st Enroute	00:02:43
1st Unit Arrived	10/10/2016	06:14:24			Enroute to 1st Arrived	00:06:59
Closed	10/10/2016	06:41:01	VisiNetMobileInterface		Incident Duration	00:38:00

**Resources Assigned**

Unit	Assigned	Disposition	Enroute	Staged	Arrived	At Patient	Delay Avail	Complete	Odm. Enroute	Odm. Arrived	Cancel Reason
ME11	06:04:42	1CC-Completed Call	06:07:25		06:14:24			06:41:01			

**Personnel Assigned**

Unit	Name
ME11	Jones, Kevin (8495); Park, Alexander (14499) - Firefighter; Tolmach, David (9245)

**Pre-Scheduled Information**

No Pre-Scheduled Information

**Transports**

No Transports Information

**Transport Legs**

No Transports Information

**Comments**

Date	Time	User	Type	Conf.	Comments
10/10/2016	06:04:16	ACQ4232	Response		per the rp - this is a hazard to everyone's health and req that someone go out and check the area again today
10/10/2016	06:04:26	ACQ4232	Response		Multi-Agency Law Incident #: SBSO160104771
10/10/2016	06:04:42	BCJ3081	Response		Automatic Case Number(s) issued for SBC: FSBC160011565. [Shared]

10/10/2016 06:04:52 ZM25 Response 11 Alerted at 10/10/2016 06:04:52 for ME11 [Shared]  
 10/10/2016 06:54:39 JGA2809 Response [Law] has closed their incident [SBSO160104771]

**Address Changes**  
 No Address Changes

**Priority Changes**  
 No Priority Changes

**Alarm Level Changes**  
**Date Time User Change to Alarm**  
 10/10/2016 06:04:42 BJ 1

**Activity Log**

Date	Time	Radio	Activity	Location	Log Entry	User
10/10/2016	06:04:24		Incident in Waiting Queue			
10/10/2016	06:04:25		ANI/ALI Statistics		INT Insert:Oct 10 2016 06:02:55 / INT SendNP: / WS RecvNP:Oct 10 2016 06:02:54 / WS Process:Oct 10 2016 06:04:25	ACQ4232
10/10/2016	06:04:25		Waiting Pending Incident Time Warning		Waiting Pending Incident Time Warning timer expired	
10/10/2016	06:04:26		UserAction		User clicked Exit/Save	ACQ4232
10/10/2016	06:04:26		MultiAgencyResponse		Generated Inc: Law Inc#SBSO160104771	ACQ4232
10/10/2016	06:04:38		UserAction		User clicked Initial Assign	BCJ3081
10/10/2016	06:04:39		Read Incident		Incident 010 was Marked as Read.	BCJ3081
10/10/2016	06:04:39		Initial Assignment		The following unit(s) is (are) recommended for assignment: ME11 (00:03:13)	BCJ3081
10/10/2016	06:04:42	ME11	Disp	30 Sanderling Ln	Response Number (10102016- 0017749)	BCJ3081
10/10/2016	06:04:54		Remove Waiting Pending Incident Warning		Removing Waiting Pending Incident Time Warning timer expired	
10/10/2016	06:07:25	ME11	Enrt	30 Sanderling Ln	Responding From = FREY WAYSTORKE RD	VNMINT
10/10/2016	06:14:24	ME11	At Scene	30 Sanderling Ln	Unit speed at the time of status change : 22.51	VNMINT
10/10/2016	06:26:53		UserAction		User clicked Exit/Save	BCJ3081
10/10/2016	06:41:01		Response Closed	30 Sanderling Ln	Response Disposition: 1CC-Completed Call	VNMINT
10/10/2016	06:41:01	ME11	Available	30 Sanderling Ln		VNMINT

**Edit Log**

Date	Time	Field	Changed From	Changed To	Reason	Table	Workstation	User
10/10/2016	06:03:01	Call_Back_Phone		(805) 618-1944	(Response Viewer)	Response_Master_Incident	CADDSP08	ACQ4232
10/10/2016	06:03:24	Address	(Blank)	30 SANDERLING LN	New Entry	Response_Master_Incident	CADDSP08	ACQ4232
10/10/2016	06:03:25	Response_Area		GOLETAURBAN2	(Response Viewer)	Response_Master_Incident	CADDSP08	ACQ4232
10/10/2016	06:03:25	Battalion		AMRS	(Response Viewer)	Response_Master_Incident	CADDSP08	ACQ4232
10/10/2016	06:03:25	Division		AMRS	(Response Viewer)	Response_Master_Incident	CADDSP08	ACQ4232
10/10/2016	06:03:25	Jurisdiction		AMRS	(Response Viewer)	Response_Master_Incident	CADDSP08	ACQ4232
10/10/2016	06:03:25	County		Santa Barbara	(Response Viewer)	Response_Master_Incident	CADDSP08	ACQ4232
10/10/2016	06:03:25	Cross_Street		LAS ARMAS RD/LAS ARMAS RD	(Response Viewer)	Response_Master_Incident	CADDSP08	ACQ4232
10/10/2016	06:03:25	Street_Id	NULL	53529	(Response Viewer)	Response_Master_Incident	CADDSP08	ACQ4232
10/10/2016	06:03:25	Longitude	0	119900911	(Response Viewer)	Response_Master_Incident	CADDSP08	ACQ4232
10/10/2016	06:03:25	Latitude	0	34430461	(Response Viewer)	Response_Master_Incident	CADDSP08	ACQ4232
10/10/2016	06:03:25	Postal_Code		93117	(Response Viewer)	Response_Master_Incident	CADDSP08	ACQ4232
10/10/2016	06:03:25	State		CA	(Response Viewer)	Response_Master_Incident	CADDSP08	ACQ4232
10/10/2016	06:03:25	City		Goleta	(Response Viewer)	Response_Master_Incident	CADDSP08	ACQ4232

10/10/201606:03:25	Address		30 SANDERLING LN	Viewer) (Response Response_Master_IncidentCADDSP08 ACQ4232 Viewer)
10/10/201606:03:49	Response_Area	GOLETAURBAN2	SBC00021SBC	(Response Response_Master_IncidentCADDSP08 ACQ4232 Viewer)
10/10/201606:03:49	Battalion	AMRS	BAT1	(Response Response_Master_IncidentCADDSP08 ACQ4232 Viewer)
10/10/201606:03:49	Division	AMRS	DIV1 Operations	(Response Response_Master_IncidentCADDSP08 ACQ4232 Viewer)
10/10/201606:03:49	Jurisdiction	AMRS	SBC	(Response Response_Master_IncidentCADDSP08 ACQ4232 Viewer)
10/10/201606:04:24	Problem		Gas Leak Outside	(Response Response_Master_IncidentCADDSP08 ACQ4232 Viewer)
10/10/201606:04:26	Map_Info		11SKU3313	Response_Master_IncidentCADDSP08 ACQ4232
10/10/201606:04:26	Pickup_Map_Info		11SKU3313	Response_Transports CADDSP08 ACQ4232
10/10/201606:04:39	Read Call	False	True	(Response Response_Master_IncidentCADDSP10 BCJ3081 Viewer)

**Custom Time Stamps**  
No Custom Time Stamps

**Custom Data Fields**  
No Custom Data Fields

**Attachments**  
No Attachment

# Incident Detail Report

Data Source: Data Warehouse  
 Incident Status: Closed  
 Incident number: FSBC160013323  
 Incident Date: 10/10/2016 23:00:16  
 Last Updated: 10/19/2016 13:53:50

**Incident Information**

<b>Incident Type:</b>	Hazardous Condition	<b>Alarm Level:</b>	1
<b>Priority:</b>	Code 3	<b>Problem:</b>	Gas Leak Outside
<b>Determinant:</b>		<b>Agency:</b>	Fire
<b>Base Response#:</b>	10102016-0017787	<b>Jurisdiction:</b>	SBC
<b>Confirmation#:</b>		<b>Division:</b>	DIV1 Operations
<b>Taken By:</b>	DeForest, Jazzmine	<b>Battalion:</b>	BAT1
<b>Response Area:</b>	SBC00021SBC	<b>Response Plan:</b>	Eng
<b>Disposition:</b>	1CC-Completed Call	<b>Command Ch:</b>	
<b>Cancel Reason:</b>		<b>Primary TAC:</b>	
<b>Incident Status:</b>	Closed	<b>Secondary TAC:</b>	
<b>Certification:</b>		<b>Delay Reason (if any):</b>	
<b>Longitude:</b>	119908172	<b>Latitude:</b>	34431369

**Incident Location**

<b>Location Name:</b>	ELLWOOD ONSHORE FACILITY	<b>County:</b>	Santa Barbara
<b>Address:</b>	7979 Hollister Av	<b>Location Type:</b>	Oil Facility
<b>Apartment:</b>		<b>Cross Street:</b>	No X-Street/HOLLISTER AV SB ONRAMP
<b>Building:</b>		<b>Map Reference:</b>	11SKU3213
<b>City, State, Zip:</b>	Goleta CA 93117		

**Call Receipt**

<b>Caller Name:</b>	VENOCO	<b>Call Back Phone:</b>	(805) 685-6547
<b>Method Received:</b>		<b>Caller Location:</b>	7979 HOLLISTER AV
<b>Caller Type:</b>			

**Time Stamps**

Description	Date	Time	User	Elapsed Times	Description	Time
Phone Pickup	10/10/2016	22:59:40				
1st Key Stroke	10/10/2016	22:59:50			Received to In Queue	00:00:01
In Waiting Queue	10/10/2016	23:00:17			Call Taking	00:07:43
Call Taking Complete	10/10/2016	23:07:59	DeForest, Jazzmine		In Queue to 1st Assign	00:00:19
1st Unit Assigned	10/10/2016	23:00:36			Call Received to 1st Assign	00:00:56
1st Unit Enroute	10/10/2016	23:02:51			Assigned to 1st Enroute	00:02:15
1st Unit Arrived	10/10/2016	23:10:02			Enroute to 1st Arrived	00:07:11
Closed	10/10/2016	23:27:19	VisiNetMobileInterface		Incident Duration	00:27:39

**Resources Assigned**

Unit	Assigned	Disposition	Enroute	Staged	Arrived	At Patient	Delay Avail	Complete	Odm. Enroute	Odm. Arrived	Cancel Reason
ME11	23:00:36	1CC-Completed Call	23:02:51		23:10:02			23:27:19			

**Personnel Assigned**

**Unit Name**  
 ME11 Georgas, George (8819); Jones, Kevin (8495); Mills, Vicki (5170)

**Pre-Scheduled Information**

No Pre-Scheduled Information

**Transports**

No Transports Information

**Transport Legs**

No Transports Information

**Comments**

Date	Time	User	Type	Conf.	Comments
10/10/2016	22:59:49	Automatic by System	Response		[Address: 7979 HOLLISTER AV] [High] [{AED ALERT!}] {AED ALERT!}: GROUND LEVEL
10/10/2016	23:00:17	JNB3522	Response		Multi-Agency Law Incident #: SBSO160105091

10/10/2016	23:00:32	JNB3522	Response	SENSORS ARE GOING OFF AT VENOCO - BUT THEY HAVE DETERMINED IT IS NOT THEIR FACILITY [Shared]
10/10/2016	23:00:36	JNB3522	Response	Automatic Case Number(s) issued for SBC: FSBC160011597. [Shared]
10/10/2016	23:00:42	ZM25	Response	11 Alerted at 10/10/2016 23:00:42 for ME11 [Shared]
10/10/2016	23:01:09	JNB3522	Response	THEY BELIEVE IT'S FROM THE ELLWOOD CANYON RANCH [Shared]
10/10/2016	23:06:07	GA3826	Response	[Law] has closed their incident [SBSO160105091]

**Address Changes**  
**No Address Changes**

**Priority Changes**  
**No Priority Changes**

**Alarm Level Changes**

Date	Time	User	Change to Alarm
10/10/2016	23:00:36	JD	1

**Activity Log**

Date	Time	Radio	Activity	Location	Log Entry	User
10/10/2016	23:00:16		Waiting Pending Incident Time Warning		Waiting Pending Incident Time Warning timer expired	
10/10/2016	23:00:17		MultiAgencyResponse		Generated Inc: Law Inc#SBSO160105091	JNB3522
10/10/2016	23:00:17		ANI/ALI Statistics		INT Insert:Oct 10 2016 22:59:31 / INT SendNP: / WS RecvNP:Oct 10 2016 22:59:31 / WS Process:Oct 10 2016 23:00:17	JNB3522
10/10/2016	23:00:17		Incident in Waiting Queue			
10/10/2016	23:00:34		Read Incident		Incident 609 was Marked as Read.	JNB3522
10/10/2016	23:00:34		Initial Assignment		The following unit(s) is (are) recommended for assignment: ME11 (00:03:46)	JNB3522
10/10/2016	23:00:36	ME11	Disp	7979 Hollister Av [ELLWOOD ONSHORE FACILITY]	Response Number (10102016-0017787)	JNB3522
10/10/2016	23:00:47		Remove Waiting Pending Incident Warning		Removing Waiting Pending Incident Time Warning timer expired	
10/10/2016	23:02:51	ME11	Ent	7979 Hollister Av [ELLWOOD ONSHORE FACILITY]	Responding From = FREY WAY\STORKE RD	VNMINT
10/10/2016	23:07:59		UserAction		User clicked Exit/Save	JNB3522
10/10/2016	23:10:02	ME11	At Scene	7979 Hollister Av	Unit speed at the time of status change : 20.44	VNMINT
10/10/2016	23:27:19		Response Closed	ELLWOOD ONSHORE FACILITY	Response Disposition: 1CC-Completed	VNMINT
10/10/2016	23:27:19	ME11	Available	7979 Hollister Av [ELLWOOD ONSHORE FACILITY]	Call	VNMINT

**Edit Log**

Date	Time	Field	Changed From	Changed To	Reason	Table	Workstation User
10/10/2016	22:59:40	Call_Back_Phone		(805) 685-6547	(Response Viewer)	Response_Master_Incident	CADDSP10 JNB3522
10/10/2016	22:59:40	Address	(Blank)	7979 HOLLISTER AV	New Entry	Response_Master_Incident	CADDSP10 JNB3522
10/10/2016	22:59:49	Address		7979 HOLLISTER AV	(Response Viewer)	Response_Master_Incident	CADDSP10 JNB3522
10/10/2016	22:59:49	City		Goleta	(Response Viewer)	Response_Master_Incident	CADDSP10 JNB3522
10/10/2016	22:59:49	State		CA	(Response Viewer)	Response_Master_Incident	CADDSP10 JNB3522
10/10/2016	22:59:49	Postal_Code		93117	(Response Viewer)	Response_Master_Incident	CADDSP10 JNB3522
10/10/2016	22:59:49	Latitude	0	34431369	(Response Viewer)	Response_Master_Incident	CADDSP10 JNB3522
10/10/2016	22:59:49	Longitude	0	119908172	(Response Viewer)	Response_Master_Incident	CADDSP10 JNB3522
10/10/2016	22:59:49	PremiseID	NULL	311	(Response Viewer)	Response_Master_Incident	CADDSP10 JNB3522

10/10/2016 22:59:49	Street_Id	NULL	10878	(Response Viewer)	Response_Master_IncidentCADDSP10	JNB3522
10/10/2016 22:59:49	Location_Name		ELLWOOD ONSHORE FACILITY	(Response Viewer)	Response_Master_IncidentCADDSP10	JNB3522
10/10/2016 22:59:49	Cross_Street		No X- Street/HOLLISTER AV SB ONRAMP	(Response Viewer)	Response_Master_IncidentCADDSP10	JNB3522
10/10/2016 22:59:49	County		Santa Barbara	(Response Viewer)	Response_Master_IncidentCADDSP10	JNB3522
10/10/2016 22:59:49	Location_Type		Oil Facility	(Response Viewer)	Response_Master_IncidentCADDSP10	JNB3522
10/10/2016 22:59:49	Jurisdiction		SBC	(Response Viewer)	Response_Master_IncidentCADDSP10	JNB3522
10/10/2016 22:59:49	Division		DIV1 Operations	(Response Viewer)	Response_Master_IncidentCADDSP10	JNB3522
10/10/2016 22:59:49	Battalion		BAT1	(Response Viewer)	Response_Master_IncidentCADDSP10	JNB3522
10/10/2016 22:59:49	Response_Area		SBC00021SBC	(Response Viewer)	Response_Master_IncidentCADDSP10	JNB3522
10/10/2016 23:00:16	Pickup_Map_Info		11SKU3213		Response_Transports CADDSP10	JNB3522
10/10/2016 23:00:16	Map_Info		11SKU3213		Response_Master_IncidentCADDSP10	JNB3522
10/10/2016 23:00:17	Problem		Gas Leak Outside	(Response Viewer)	Response_Master_IncidentCADDSP10	JNB3522
10/10/2016 23:00:34	Read Call	False	True	(Response Viewer)	Response_Master_IncidentCADDSP10	JNB3522

**Custom Time Stamps**  
**No Custom Time Stamps**

**Custom Data Fields**  
**No Custom Data Fields**

**Attachments**  
**No Attachment**

Venoco Fenceline Monitor Readings - October 9, 2016 AM

Date	Time	Fenceline Monitor ID #1 H2S Reading (ppm)	Fenceline Monitor ID #15 H2S Reading (ppm)	Fenceline Monitor ID #21 H2S Reading (ppm)	Fenceline Monitor ID #22 H2S Reading (ppm)	Fenceline Monitor ID #23 H2S Reading (ppm)	Fenceline Monitor ID #24 H2S Reading (ppm)	Wind Direction (Degrees)	Wind Speed mph
10/9/2016	5:36 AM	0	0	0	0	0.3	0	NE (31)	1.4
10/9/2016	5:42 AM	0.1	0	0	0	0.4	0	N (22)	0.9
10/9/2016	5:48 AM	0.2	0	0	0	0.4	0	NE (34)	1
10/9/2016	5:54 AM	0.2	0	0	0.1	0.5	0	NE (35)	1.2
10/9/2016	6:00 AM	0.2	0	0	0.1	0.7	0.1	N (21)	1
10/9/2016	6:06 AM	0.2	0	0	0.1	0.8	0.1	NE (29)	1.2
10/9/2016	6:12 AM	0.3	0.1	0.1	0.1	0.6	0	NE (25)	1.2
10/9/2016	6:18 AM	0.5	0.1	0.2	0.1	0.7	0	NE (23)	0.7
10/9/2016	6:24 AM	0.7	0.1	0.2	0.2	0.9	0.1	N (2)	0.2
10/9/2016	6:30 AM	1.3	0.2	0.2	0.3	1.5	0.3	N (9)	1
10/9/2016	6:36 AM	3.2	0.7	0.5	0.4	2.4	0.1	N (16)	0.5
10/9/2016	6:42 AM	3.5	0.8	1.2	0.4	2.8	0.2	N (10)	0.6
10/9/2016	6:48 AM	3.5	0.6	1.1	0.5	3.4	0.1	N (0)	0.7
10/9/2016	6:54 AM	3.5	0.6	1.1	0.6	3.6	0.2	N (3)	0.7
10/9/2016	7:00 AM	3.5	0.5	0.6	0.8	3.6	0.2	N (18)	0.9
10/9/2016	7:06 AM	3.5	0.2	0.3	0.8	3.6	0.2	N (8)	0.9
10/9/2016	7:12 AM	3.5	0.5	0.7	0.7	3.6	0.2	NE (26)	0.8
10/9/2016	7:18 AM	3.5	0.6	1.1	0.6	3.6	0.2	NE (25)	0.9
10/9/2016	7:24 AM	3.5	0.5	1.1	0.7	3.6	0.2	NE (31)	1.1
10/9/2016	7:30 AM	3.5	0.6	1	0.7	3.6	0.2	NE (29)	1.1
10/9/2016	7:36 AM	3.5	0.7	0.8	0.6	3.6	0.2	NE (23)	1.1
10/9/2016	7:42 AM	3.5	0.7	0.8	0.6	3.6	0.2	N (16)	0.7
10/9/2016	7:48 AM	3.5	0.5	0.9	0.7	3.6	0.1	NE (24)	0.6
10/9/2016	7:54 AM	3.4	0.6	0.8	0.7	3.6	0.1	N (13)	1
10/9/2016	8:00 AM	3.4	0.6	1.1	0.7	3.6	0.1	N (18)	0.9
10/9/2016	8:06 AM	3.4	0.7	1.1	0.7	3.3	0.1	N (17)	0.7
10/9/2016	8:12 AM	3.4	0.7	1.1	0.7	3.4	0.1	NE (29)	1
10/9/2016	8:18 AM	3.4	0.7	0.7	0.6	3.4	0.1	NE (36)	0.8
10/9/2016	8:24 AM	3.4	0.8	1	0.7	3.3	0.1	N (21)	0.7
10/9/2016	8:30 AM	3.4	0.7	0.7	0.6	3.5	0.1	NE (42)	0.6
10/9/2016	8:36 AM	2	0.7	0.5	0.4	1	0	NE (57)	0.3
10/9/2016	8:42 AM	0.9	0.3	0.3	0.2	0.5	0	W (292)	0.9
10/9/2016	8:48 AM	0.7	0.3	0.2	0.1	0.3	0	W (249)	0.2
10/9/2016	8:54 AM	0.5	0.3	0.1	0.1	0.2	0	NW (333)	0.7
10/9/2016	9:00 AM	0.3	0.3	0.1	0	0.2	0	N (351)	0.2
10/9/2016	9:06 AM	0.3	0.2	0.1	0	0.1	0	NE (60)	0.2
10/9/2016	9:12 AM	0.3	0.2	0.1	0	0.1	0	S (186)	0.9

Notes:

1. H2S readings from the Venoco Ellwood Onshore Facility fence-line monitors.
2. Alarm threshold is 0.3 ppm H2S. All readings highlighted in yellow are above this threshold.
3. Measurements are displayed in 6 minute intervals.
4. Only times with a reading above the alarm threshold are displayed in this table. All other readings, not included in this table were below the threshold.
5. Wind direction is reported as the direction the wind is coming FROM. For example, if the wind direction is shown as SE, winds are coming from the Southeast. Wind direction is reported in degrees, using a circle of 360. For example, wind direction of 360 or 0 reflects winds coming from the North.

Oct 9  
1 of 2

### Venoco Fenceline Monitor Readings - October 9, 2016 PM

Date	Time	Fenceline Monitor ID #1		Fenceline Monitor ID #15		Fenceline Monitor ID #21		Fenceline Monitor ID #22		Fenceline Monitor ID #23		Fenceline Monitor ID #24		Wind Direction (Degrees)	Wind Speed mph
		H2S Reading (ppm)		H2S Reading (ppm)		H2S Reading (ppm)		H2S Reading (ppm)		H2S Reading (ppm)		H2S Reading (ppm)			
10/9/2016	9:12 PM	0		0		0		0		0.5		0		N (21)	0.8
10/9/2016	9:18 PM	0		0		0		0		0.6		0		NE (32)	0.7
10/9/2016	9:24 PM	0.2		0.1		0.1		0.1		0.8		0		N (20)	0.9
10/9/2016	9:30 PM	0.4		0.2		0.2		0.1		2		0.1		N (11)	0.9
10/9/2016	9:36 PM	0.4		0.2		0.2		0.2		3.6		0.1		N (22)	0.9
10/9/2016	9:42 PM	0.7		0.2		0.1		0.2		3.6		0.1		N (20)	0.9
10/9/2016	9:48 PM	1.5		0.4		0.2		0.4		3.6		0.2		N (21)	1.4
10/9/2016	9:54 PM	3.1		0.8		0.5		0.8		3.6		0.3		NE (35)	1.7
10/9/2016	10:00 PM	3.4		2.8		2.1		1		3.6		0.3		NE (31)	1.9
10/9/2016	10:06 PM	3.4		3		2.9		1.1		3.6		0.2		NE (27)	1.6
10/9/2016	10:12 PM	3.4		0.7		1.1		1.1		3.6		0.2		NE (33)	1.8
10/9/2016	10:18 PM	3.4		0.5		0.6		1		3.6		0.3		NE (38)	1.9
10/9/2016	10:24 PM	3.4		2.3		1.1		1.1		3.6		0.3		NE (43)	1.7
10/9/2016	10:30 PM	3.4		3		2.2		1		3.6		0.2		NE (35)	1.4
10/9/2016	10:36 PM	3.4		3.1		1.4		1		3.6		0.2		NE (31)	1.9
10/9/2016	10:42 PM	3.4		3		3.8		0.9		3.6		0.2		N (11)	1.4
10/9/2016	10:48 PM	3.4		1.8		3.8		1		3.6		0.1		N (21)	1.7
10/9/2016	10:54 PM	3.4		1.9		3.8		1		3.6		0.2		NE (30)	2.1
10/9/2016	11:00 PM	3.4		2.7		3.2		1		3.6		0.1		NE (30)	1.7
10/9/2016	11:06 PM	3.4		1.4		2.8		1		3.6		0		NE (35)	1
10/9/2016	11:12 PM	3.4		2.3		1.4		0.8		3.6		0		N (355)	0.3
10/9/2016	11:18 PM	3.4		3		1.4		0.8		3.6		0		NE (26)	0.6
10/9/2016	11:24 PM	3.4		2.7		1.5		0.8		3.6		0		E (69)	0.4
10/9/2016	11:30 PM	3.4		2.2		2.9		0.7		3.6		0		N (9)	0.6
10/9/2016	11:36 PM	3.4		1.6		3.4		0.8		3.6		0.1		NE (28)	1.4
10/9/2016	11:42 PM	3.4		1.2		2.6		0.8		3.6		0.1		NE (27)	1.6
10/9/2016	11:48 PM	3.4		1.9		2.2		0.8		3.6		0.1		NE (39)	2.2
10/9/2016	11:54 PM	3.4		3.5		3.8		0.7		3.6		0.1		NE (38)	1.3

**Notes:**

1. H2S readings from the Venoco Ellwood Onshore Facility fence-line monitors.
2. Alarm threshold is 0.3 ppm H2S. All readings highlighted in yellow are above this threshold.
3. Measurements are displayed in 6 minute intervals.
4. Only times with a reading above the alarm threshold are displayed in this table. All other readings, not included in this table were below the threshold.
5. Wind direction is reported as the direction the wind is coming FROM. For example, if the wind direction is shown as SE, winds are coming from the Southeast. Wind direction is reported in degrees, using a circle of 360. For example, wind direction of 360 or 0 reflects winds coming from the North.

*Out 9  
20F2*



Venoco Fenceline Monitor Readings - October 10, 2016 AM

Date	Time	Fenceline Monitor ID #1 H2S Reading (ppm)	Fenceline Monitor ID #15 H2S Reading (ppm)	Fenceline Monitor ID #21 H2S Reading (ppm)	Fenceline Monitor ID #22 H2S Reading (ppm)	Fenceline Monitor ID #23 H2S Reading (ppm)	Fenceline Monitor ID #24 H2S Reading (ppm)	Wind Direction (Degrees)	Wind Speed mph
10/10/2016	12:00 AM	3.4	3.5	3.8	0.7	3.6	0.1	NE (47)	1.3
10/10/2016	12:06 AM	3.4	3.5	3.8	0.7	3.6	0	NE (38)	1
10/10/2016	12:12 AM	3.4	3.5	3.8	0.7	3.6	0.1	NE (38)	1.5
10/10/2016	12:18 AM	3.4	3.5	3.8	0.6	3.6	0.1	NE (29)	1.7
10/10/2016	12:24 AM	3.4	3.5	3.8	0.7	3.6	0.1	NE (32)	1.9
10/10/2016	12:30 AM	3.4	3.5	3.8	0.8	3.6	0.1	NE (48)	1.5
10/10/2016	12:36 AM	3.4	3.5	3.8	0.8	3.6	0.2	NE (39)	1.4
10/10/2016	12:42 AM	3.4	3.5	3.8	0.7	3.6	0.2	NE (31)	1.5
10/10/2016	12:48 AM	3.4	3.5	3.8	0.9	3.6	0.1	NE (40)	1.3
10/10/2016	12:54 AM	3.4	3.4	3.8	1	3.6	0.1	NE (32)	1.2
10/10/2016	1:00 AM	3.4	2.4	3.8	1	3.6	0.1	NE (27)	1.5
10/10/2016	1:06 AM	3.4	1.7	3.8	0.8	3.6	0.1	NE (33)	1.3
10/10/2016	1:12 AM	3.4	1.7	3.8	0.7	3.6	0.1	NE (25)	1.3
10/10/2016	1:18 AM	3.4	2.4	3.8	0.6	3.6	0.1	NE (60)	0.1
10/10/2016	1:24 AM	3.4	3.4	3.3	0.6	3.6	0.1	N (12)	0.7
10/10/2016	1:30 AM	3.4	2.2	1.7	0.5	3.6	0	N (22)	0.8
10/10/2016	1:36 AM	3.4	3	2.4	0.5	3.6	0	N (5)	0.6
10/10/2016	1:42 AM	3.4	2.5	2.6	0.5	3.6	0	NE (29)	0.7
10/10/2016	1:48 AM	3.4	3.5	3.8	0.6	3.6	0	NW (320)	0.5
10/10/2016	1:54 AM	3.4	3.5	3.8	0.7	3.6	0	E (80)	0.2
10/10/2016	2:00 AM	3.4	3.5	3.8	0.7	3.6	0	NE (25)	1.1
10/10/2016	2:06 AM	3.4	3.5	3.8	0.9	3.6	0.1	NE (25)	0.9
10/10/2016	2:12 AM	3.4	3.5	3.8	1	3.6	0.1	N (21)	0.8
10/10/2016	2:18 AM	3.4	3.5	3.8	0.7	3.6	0.1	NE (29)	1.4
10/10/2016	2:24 AM	3.4	3.5	3.8	0.7	3.6	0.1	NE (33)	1.6
10/10/2016	2:30 AM	3.4	3.5	3.8	0.8	3.6	0.1	NE (37)	1.9
10/10/2016	2:36 AM	3.4	3.5	3.8	0.9	3.6	0.2	NE (35)	1.9
10/10/2016	2:42 AM	3.4	3.5	3.8	1	3.6	0.2	NE (25)	1.5
10/10/2016	2:48 AM	3.4	3.5	3.8	1	3.6	0.1	N (22)	0.9
10/10/2016	2:54 AM	3.4	3.5	3.8	0.9	3.6	0.1	NE (25)	1.9
10/10/2016	3:00 AM	3.4	3.5	3.8	0.9	3.6	0.1	NE (33)	1.6
10/10/2016	3:06 AM	3.4	3.5	3.8	1.1	3.6	0.3	NE (39)	1.8
10/10/2016	3:12 AM	3.4	3.5	3.8	1.4	3.6	0.3	NE (40)	2.8
10/10/2016	3:18 AM	3.4	3.5	3.8	1.6	3.6	0.4	NE (31)	1.8
10/10/2016	3:24 AM	3.4	3.5	3.8	2.1	3.6	0.4	NE (29)	1.9
10/10/2016	3:30 AM	3.4	3.5	3.8	2.3	3.6	0.4	NE (35)	2.8

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Date	Time	Fenceline Monitor ID #1		Fenceline Monitor ID #15		Fenceline Monitor ID #21		Fenceline Monitor ID #22		Fenceline Monitor ID #23		Fenceline Monitor ID #24		Wind Direction (Degrees)	Wind Speed mph
		H2S Reading (ppm)		H2S Reading (ppm)		H2S Reading (ppm)		H2S Reading (ppm)		H2S Reading (ppm)		H2S Reading (ppm)			
10/10/2016	3:36 AM	3.4		3.5		3.8		1.8		3.6		0.4		NE (47)	2.3
10/10/2016	3:42 AM	3.4		3.5		3.8		1.2		3.6		0.3		NE (34)	2.1
10/10/2016	3:48 AM	3.4		3.5		3.8		1.1		3.6		0.3		NE (37)	2.3
10/10/2016	3:54 AM	3.4		3.5		3.8		1.2		3.6		0.3		NE (34)	1.9
10/10/2016	4:00 AM	3.4		3.5		3.8		1.2		3.6		0.3		NE (25)	1.6
10/10/2016	4:06 AM	3.4		3.5		3.8		1.1		3.6		0.2		N (22)	1.5
10/10/2016	4:12 AM	3.4		3.5		3.8		1		3.6		0.2		NE (28)	1.3
10/10/2016	4:18 AM	3.4		3.5		3.8		0.9		3.6		0.1		NE (25)	1
10/10/2016	4:24 AM	3.4		3.5		3.8		0.8		3.6		0.1		N (12)	0.6
10/10/2016	4:30 AM	3.4		3.5		3.8		0.8		3.6		0.1		N (13)	0.8
10/10/2016	4:36 AM	3.4		3.5		3.8		0.8		3.6		0.1		N (4)	0.6
10/10/2016	4:42 AM	3.4		3.1		3.8		0.7		3.6		0		NE (35)	0.7
10/10/2016	4:48 AM	3.4		1.3		2.2		0.4		3.6		0		N (347)	1.1
10/10/2016	4:54 AM	3.4		0.9		1.3		0.4		3.6		0		N (2)	0.9
10/10/2016	5:00 AM	3.4		0.9		2		0.4		3.6		0		N (347)	1
10/10/2016	5:06 AM	3.2		0.6		0.9		0.2		3.6		0		N (9)	0.9
10/10/2016	5:12 AM	3.4		0.5		0.9		0.2		3.6		0		N (8)	1.2
10/10/2016	5:18 AM	3.4		1.3		3.6		0.4		3.6		0		NE (23)	1.3
10/10/2016	5:24 AM	3.4		1.9		3.5		0.4		3.6		0		NE (32)	1
10/10/2016	5:30 AM	3.4		0.7		1.1		0.3		3.6		0		NE (32)	1.1
10/10/2016	5:36 AM	3.4		0.8		0.9		0.2		3.4		0		N (9)	0.7
10/10/2016	5:42 AM	3.4		0.9		1.2		0.1		1.7		0		NE (32)	0.8
10/10/2016	5:48 AM	3.4		0.7		0.9		0.1		1.3		0		N (18)	0.9
10/10/2016	5:54 AM	3.2		0.7		0.9		0.1		1		0		N (14)	0.8
10/10/2016	6:00 AM	3.4		0.7		1.1		0.1		0.9		0		N (14)	1
10/10/2016	6:06 AM	2.9		0.4		0.7		0.1		1.9		0		NE (35)	1.1
10/10/2016	6:12 AM	1.3		0.5		0.5		0.1		3.1		0		NE (29)	0.8
10/10/2016	6:18 AM	3		0.6		1.8		0.1		2		0		NE (27)	1.1
10/10/2016	6:24 AM	2.2		0.4		1.2		0.1		2.1		0		NE (28)	1.1
10/10/2016	6:30 AM	2.5		0.3		0.8		0.1		2.1		0		NE (25)	1.1
10/10/2016	6:36 AM	2.5		0.3		0.6		0.1		3.2		0		NE (37)	0.9
10/10/2016	6:42 AM	3.4		0.6		0.9		0.2		3.6		0		NE (29)	1.1
10/10/2016	6:48 AM	3.4		0.6		0.9		0.3		3.6		0		N (22)	0.9
10/10/2016	6:54 AM	3.4		2.7		1.6		0.4		3.6		0		N (18)	0.9
10/10/2016	7:00 AM	3.4		3.2		3.5		0.4		3.6		0		NE (24)	1.2
10/10/2016	7:06 AM	3.4		2.1		2.1		0.3		3.6		0		N (22)	1.2
10/10/2016	7:12 AM	3.4		1.5		2.4		0.3		3.6		0.1		N (354)	0.7
10/10/2016	7:18 AM	3.4		1.1		1.6		0.4		3.6		0.1		N (17)	0.9
10/10/2016	7:24 AM	3.4		1		1.8		0.5		3.6		0.1		NE (26)	0.8

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Date	Time	Fenceline Monitor ID #1	Fenceline Monitor ID #15	Fenceline Monitor ID #21	Fenceline Monitor ID #22	Fenceline Monitor ID #23	Fenceline Monitor ID #24	Wind Direction (Degrees)	Wind Speed mph
		H2S Reading (ppm)	H2S Reading (ppm)	H2S Reading (ppm)	H2S Reading (ppm)	H2S Reading (ppm)	H2S Reading (ppm)		
10/10/2016	7:30 AM	3.4	1.5	2.9	0.4	3.6	0.1	N (17)	0.9
10/10/2016	7:36 AM	3.4	1.1	2.1	0.4	3.6	0.1	NE (25)	1.1
10/10/2016	7:42 AM	3.4	1.4	1.6	0.4	3.6	0.1	NE (31)	0.9
10/10/2016	7:48 AM	3.4	3.4	2.6	0.4	3.6	0.1	N (16)	0.6
10/10/2016	7:54 AM	3.4	2.5	2	0.4	3.6	0.1	N (16)	0.8
10/10/2016	8:00 AM	3.4	1.9	1.6	0.4	3.6	0.1	N (8)	0.5
10/10/2016	8:06 AM	3.4	1.6	2.1	0.4	3.6	0.1	NE (23)	0.5
10/10/2016	8:12 AM	3.4	2	1.3	0.5	3.6	0.1	N (22)	0.8
10/10/2016	8:18 AM	3.4	1.9	1.1	0.5	3.6	0.1	NE (39)	0.5
10/10/2016	8:24 AM	3.4	1.9	0.8	0.5	3.6	0	N (351)	0.4
10/10/2016	8:30 AM	3.4	2.8	0.8	0.4	3.6	0	NE (66)	0.2
10/10/2016	8:36 AM	2.3	1.2	0.8	0.2	3.5	0	S (198)	1.3
10/10/2016	8:42 AM	1	0.7	0.7	0.1	1.7	0	SW (203)	1.2
10/10/2016	8:48 AM	0.6	0.4	0.5	0	1	0	SW (214)	1.8
10/10/2016	8:54 AM	0.3	0.3	0.2	0	0.7	0	SW (215)	1.6
10/10/2016	9:00 AM	0.2	0.2	0.2	0	0.7	0	SW (219)	2.1
10/10/2016	9:06 AM	0.2	0.1	0.1	0	0.6	0	SW (224)	3.1
10/10/2016	9:12 AM	0.1	0.1	0.1	0	0.6	0	SW (226)	2.4
10/10/2016	9:18 AM	0.1	0	0	0	0.4	0	SW (220)	1.9
10/10/2016	9:24 AM	0.1	0	0	0	0.3	0	SW (215)	1.9
10/10/2016	9:30 AM	0.1	0	0	0	0.3	0	SW (209)	2.3

**Notes:**

1. H2S readings from the Venoco Ellwood Onshore Facility fence-line monitors.
2. Alarm threshold is 0.3 ppm H2S. All readings highlighted in yellow are above this threshold.
3. Measurements are displayed in 6 minute intervals.
4. Only times with a reading above the alarm threshold are displayed in this table. All other readings, not included in this table were below the threshold.
5. Wind direction is reported as the direction the wind is coming FROM. For example, if the wind direction is shown as SE, winds are coming from the Southeast. Wind direction is reported in degrees, using a circle of 360. For example, wind direction of 360 or 0 reflects winds coming from the North.

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30FY

Venoco Fenceline Monitor Readings - October 10, 2016 PM

Date	Time	Fenceline Monitor ID #1 H2S Reading (ppm)	Fenceline Monitor ID #15 H2S Reading (ppm)	Fenceline Monitor ID #21 H2S Reading (ppm)	Fenceline Monitor ID #22 H2S Reading (ppm)	Fenceline Monitor ID #23 H2S Reading (ppm)	Fenceline Monitor ID #24 H2S Reading (ppm)	Wind Direction (Degrees)	Wind Speed mph
10/10/2016	10:30 PM	0	0	0	0	0.5	0	NE (37)	1.2
10/10/2016	10:36 PM	0.1	0.1	0	0	0.6	0	NE (31)	1.3
10/10/2016	10:42 PM	0.1	0.2	0	0	0.5	0	NE (30)	1.4
10/10/2016	10:48 PM	0.2	0.2	0.1	0	0.4	0	NE (31)	1.4
10/10/2016	10:54 PM	0.2	0.1	0.1	0	0.7	0	NE (28)	1.3
10/10/2016	11:00 PM	0.2	0.1	0.1	0	1.4	0	NE (39)	1
10/10/2016	11:06 PM	0.2	0.2	0.2	0	3.1	0	NE (38)	0.9
10/10/2016	11:12 PM	0.3	0.4	0.3	0	3.6	0	NE (34)	1
10/10/2016	11:18 PM	0.2	0.3	0.3	0	1.8	0	NE (36)	1.1
10/10/2016	11:24 PM	0.2	0.3	0.3	0	1.2	0	NE (37)	1
10/10/2016	11:30 PM	0.3	0.3	0.5	0	2	0	NE (33)	0.9
10/10/2016	11:36 PM	0.3	0.3	0.3	0	3.2	0	NE (42)	1.3
10/10/2016	11:42 PM	0.3	0.5	0.4	0	2.3	0	NE (37)	1.3
10/10/2016	11:48 PM	0.3	0.4	0.5	0	2.7	0	N (22)	1.1
10/10/2016	11:54 PM	0.4	0.3	0.5	0	3.6	0	NE (35)	1.1

Notes:

1. H2S readings from the Venoco Ellwood Onshore Facility fence-line monitors.
2. Alarm threshold is 0.3 ppm H2S. All readings highlighted in yellow are above this threshold.
3. Measurements are displayed in 6 minute intervals.
4. Only times with a reading above the alarm threshold are displayed in this table. All other readings, not included in this table were below the threshold.
5. Wind direction is reported as the direction the wind is coming FROM. For example, if the wind direction is shown as SE, winds are coming from the Southeast. Wind

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Venoco Fence-line Monitor Readings - October 11, 2016 AM

Date	Time	Fence-line Monitor ID #1 H2S Reading (ppm)	Fence-line Monitor ID #15 H2S Reading (ppm)	Fence-line Monitor ID #21 H2S Reading (ppm)	Fence-line Monitor ID #22 H2S Reading (ppm)	Fence-line Monitor ID #23 H2S Reading (ppm)	Fence-line Monitor ID #24 H2S Reading (ppm)	Wind Direction (Degrees)	Wind Speed mph
10/11/2016	12:00 AM	0.7	0.6	1.1	0.1	3.6	0	NE (30)	0.9
10/11/2016	12:05 AM	1.1	1.7	3.5	0.1	3.6	0	NE (23)	1.1
10/11/2016	12:12 AM	2.6	3.1	3.8	0.1	3.6	0	NE (39)	1.1
10/11/2016	12:18 AM	3.4	3.5	3.8	0.1	3.6	0	NE (27)	1.5
10/11/2016	12:24 AM	3.4	3.2	3.8	0.1	3.6	0	NE (39)	1.1
10/11/2016	12:30 AM	3.4	3.5	3.8	0.2	3.6	0	NE (35)	1
10/11/2016	12:36 AM	3.4	3.5	3.8	0.1	3.6	0	NE (34)	0.9
10/11/2016	12:42 AM	3.4	3.5	3.8	0.1	3.6	0	NE (36)	1.2
10/11/2016	12:48 AM	3.4	3.5	3.8	0.1	3.6	0	NE (34)	1.2
10/11/2016	1:00 AM	3.4	3.5	3.8	0.1	3.6	0	NE (26)	1.4
10/11/2016	1:06 AM	3.4	3.5	3.8	0.2	3.6	0	NE (20)	1.6
10/11/2016	1:12 AM	3.4	3.5	3.8	0.2	3.6	0	NE (27)	1.8
10/11/2016	1:18 AM	3.4	3.5	3.8	0.2	3.6	0	NE (28)	1.5
10/11/2016	1:24 AM	3.4	3.5	3.8	0.2	3.6	0	N (16)	1.4
10/11/2016	1:30 AM	3.4	3.5	3.8	0.2	3.6	0	N (20)	1
10/11/2016	1:36 AM	3.4	2.9	3.8	0.2	3.6	0	NE (23)	1.2
10/11/2016	1:42 AM	3.4	2.7	3.8	0.1	3.6	0	NE (24)	1.2
10/11/2016	1:48 AM	3.4	3.5	3.8	0.3	3.6	0	NE (29)	1.1
10/11/2016	1:54 AM	3.4	3.5	3.8	0.3	3.6	0	NE (39)	1.2
10/11/2016	2:00 AM	3.4	3.5	3.8	0.2	3.6	0	NE (46)	1.2
10/11/2016	2:06 AM	3.4	3.5	3.8	0.2	3.6	0	NE (26)	1.1
10/11/2016	2:12 AM	3.4	3.5	3.8	0.2	3.6	0	N (10)	1
10/11/2016	2:18 AM	3.4	3.5	3.8	0.3	3.6	0.1	NE (31)	1
10/11/2016	2:24 AM	3.4	3.5	3.8	0.3	3.6	0.1	NE (33)	0.9
10/11/2016	2:30 AM	3.4	3.5	3.8	0.3	3.6	0.1	N (16)	1
10/11/2016	2:36 AM	3.4	3.5	3.8	0.3	3.6	0.1	N (11)	1.2
10/11/2016	2:42 AM	3.4	3.5	3.8	0.3	3.6	0.1	NE (39)	0.9
10/11/2016	2:48 AM	3.4	2.1	2.4	0.1	3.6	0	E (69)	1.8
10/11/2016	2:54 AM	3.4	1.1	1.7	0	2.8	0	E (78)	2.2
10/11/2016	3:00 AM	3	1	1	0	1.3	0	NW (328)	2
10/11/2016	3:06 AM	1.6	0.7	0.9	0	1	0	N (342)	1.1
10/11/2016	3:12 AM	1	0.3	0.7	0	0.8	0	NE (64)	0.9
10/11/2016	3:18 AM	0.8	0.2	0.4	0	0.7	0	NE (27)	0.6
10/11/2016	3:24 AM	0.6	0.2	0.3	0	0.5	0	NE (28)	0.8
10/11/2016	3:30 AM	0.5	0.2	0.3	0	0.4	0	NE (34)	0.5
10/11/2016	3:36 AM	0.4	0.2	0.2	0	0.4	0	N (340)	0.9
10/11/2016	3:42 AM	0.3	0.2	0.2	0	0.3	0	NE (44)	0.6
10/11/2016	3:48 AM	0.3	0.1	0.1	0	0.3	0	E (68)	0.4
10/11/2016								NW (333)	1

Notes:

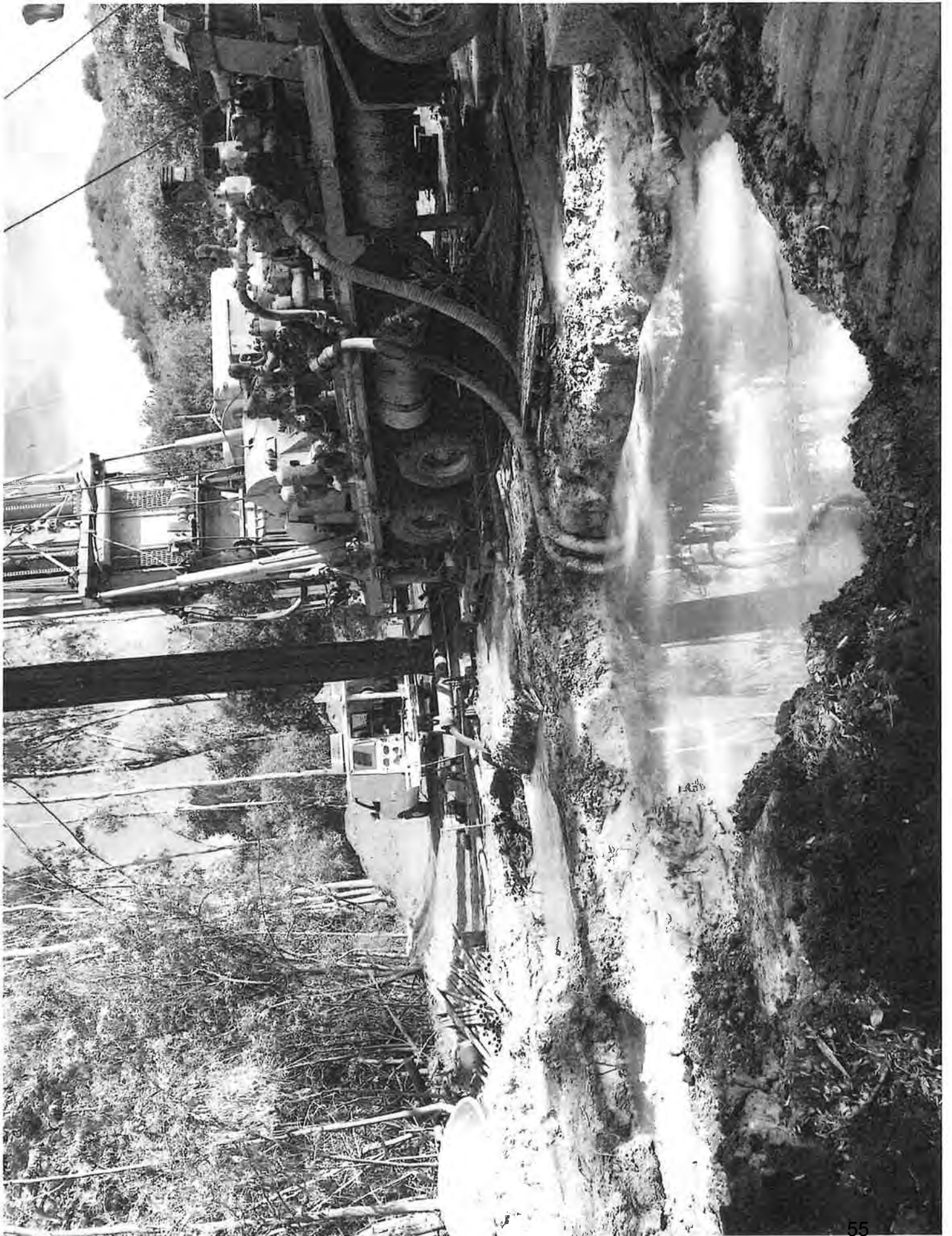
1. H2S readings from the Venoco Ellwood Onshore Facility fence-line monitors.
2. Alarm threshold is 0.3 ppm H2S. All readings highlighted in yellow are above this threshold.
3. Measurements are displayed in 6 minute intervals.
4. Only times with a reading above the alarm threshold are displayed in this table. All other readings, not included in this table were below the threshold.
5. Wind direction is reported as the direction the wind is coming FROM. For example, if the wind direction is shown as SE, winds are coming from the Southeast. Wind

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Attachment I

















**FOR IMMEDIATE RELEASE**

October 10, 2016

**Contacts:**

Gina DePinto, County Communications Manager, (805) 568-3428

Lyz Hoffman, Air Pollution Control District, Public Information Officer, (805) 961-8819

**Agencies Investigating Release of Hydrogen Sulfide in Goleta Area  
Potential Sources Being Evaluated**

SANTA BARBARA, Calif. — Today, the Santa Barbara County Air Pollution Control District, Santa Barbara County Public Health Department, Santa Barbara County Fire Department, and Santa Barbara County Office of Emergency Management are investigating a release of hydrogen sulfide (H<sub>2</sub>S), which began causing a "rotten egg" smell in the Ellwood area of Goleta on Sunday, October 9.

Inspectors from the agencies are currently evaluating two potential sources, listed in order of likelihood, in the Ellwood area: 1) an agricultural water well, and 2) the Venoco oil and gas facility. Until the investigation is complete, the source of the odor cannot be defined. More information will be released once the source has been identified.

The agencies are collaborating to ensure that air quality conditions are monitored for the affected neighborhoods. As was the case yesterday and today, odors are stronger in the morning hours.

H<sub>2</sub>S is a gas that produces a sulfurous odor at a low level and health effects at higher levels. H<sub>2</sub>S levels were recorded by fence-line monitoring installed around the Venoco Ellwood facility; that monitoring detects H<sub>2</sub>S in the area regardless of the source. On the morning of October 9, the fence-line monitoring recorded levels between 0.3 and 3.6 parts per million (ppm). Those levels range from generating a noticeable odor to generating some temporary health effects — such as nausea, headaches, minor respiratory symptoms, and watery eyes — following extended exposure.

Information regarding symptoms of H<sub>2</sub>S exposure at various concentrations can be found at the federal Occupational Safety and Health Administration (OSHA) website:

<https://www.osha.gov/SLTC/hydrogensulfide/hazards.html>. Information regarding recorded H<sub>2</sub>S levels and wind conditions will be available on the Air Pollution Control District website: [www.ourair.org](http://www.ourair.org).

If you or your family members are experiencing health effects from inhaling H<sub>2</sub>S, it is recommended that you seal up your house and remain inside as much as possible. If the odors

continue to cause health effects, you should leave the area until conditions improve. Sensitive individuals with more serious or persistent health effects should seek medical attention.

***To file a complaint with the Air Pollution Control District, call (805) 961-8810. To find more information on the complaint process, visit [www.ourair.org/complaints](http://www.ourair.org/complaints).***

###





COUNTY EXECUTIVE OFFICE  
105 E. Anapamu St., Fourth Floor Santa Barbara CA 93101  
(805) 568-3400 FAX (805) 568-3414

## PRESS RELEASE

**News Media Contact:**

Gina DePinto

(805) 568-3428

[gdepinto@countyofsb.org](mailto:gdepinto@countyofsb.org)

**DATE: Oct. 11, 2016**

### **COUNTY OFFICIALS DETERMINE WATER WELL AS SOURCE OF H<sub>2</sub>S ODOR**

**(SANTA BARBARA, Calif.)** – Yesterday, the Santa Barbara County Air Pollution Control District, Santa Barbara County Public Health Department, Santa Barbara County Fire Department, and Santa Barbara County Office of Emergency Management were involved with the investigation of a release of hydrogen sulfide (H<sub>2</sub>S) causing a “rotten egg” smell in the Ellwood area of Goleta on Sunday, October 9.

During the investigation, inspectors from the Public Health Department, Environmental Health Services Division (EHS), identified the likely source as naturally occurring H<sub>2</sub>S that was released during drilling of a private agricultural water well. At approximately 2:30 pm, Monday, Oct. 10, EHS suspended the well drilling permit. According to EHS, the driller was able to plug the well and stop the flow of water late Monday night. The stop work order is in place until a plan to mitigate the release is approved. According to EHS, the driller was able to plug the well and flow of water late Monday night. The work order stoppage is in place until a plan to mitigate the release is approved.

As late as 3:30 a.m. today, remaining H<sub>2</sub>S levels were recorded by fence-line monitoring installed around the Venoco Ellwood facility; these monitors detect H<sub>2</sub>S in the area regardless of the source. There was no release of H<sub>2</sub>S from Venoco, nor did H<sub>2</sub>S detectors within the Venoco facility detect any H<sub>2</sub>S. The investigation has concluded that the Venoco Ellwood Onshore Facility is not the source of the odors.

Hydrogen sulfide is a gas that produces a sulfurous odor at a low level and health effects at higher levels. Those levels range from generating a noticeable odor to generating some temporary health effects, such as nausea, headaches, minor respiratory symptoms, and watery eyes following extended exposure.

Information regarding symptoms of H<sub>2</sub>S exposure at various concentrations can be found at the federal Occupational Safety and Health Administration (OSHA) website at [www.osha.gov/SLTC/hydrogensulfide/hazards.html](http://www.osha.gov/SLTC/hydrogensulfide/hazards.html). Information regarding recorded H<sub>2</sub>S levels and wind conditions are available on the Air Pollution Control District website at [www.ourair.org](http://www.ourair.org).

**-MORE-**

**COUNTY OFFICIALS DETERMINE SOURCE OF H<sub>2</sub>S ODOR IN GOLETA**

If you or your family members are experiencing health effects from breathing H<sub>2</sub>S, you should seek medical attention.

**-30-**



Well Drilling site at 1100 Ellwood Canyon Rd.

Reports of odor from Winchester Cir and Sanderling Ln approximately 1.8 miles from well site

Venoco had fence-line monitors activating at over 3 PPM almost 2 miles from drill site

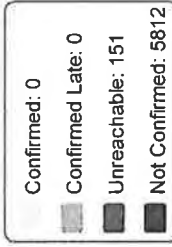
Notifications > Active/History > Details

Auto Refresh

# SENT COUNTY OFFICIALS DETERMINE WATER WELL AS SOURCE OF H2S ODOR ID:3083034899856010

Rebroadcast Send Follow Up

Status Method



### Details

Notification Type: Standard  
 Priority Greeting: No  
 Customized Email: [View](#)  
 Recurring: No  
 Sent From: Gis  
 Start: 2016-10-11 14:24:36 PDT  
 End: 2016-10-11 18:24:36 PDT  
 Sent by: Robert Troy  
 Sent to: [5963\\_contacts](#)  
 Voice Recording: None  
 Message Format: Text  
 Attach Files: [10-11-16+LH-H2S+Source+Detected+Final+Press+Release.pdf](#)  
 Type: Social Media  
 Escalation: No

### Message

COUNTY OFFICIALS D  
 AS SOURCE OF H2S C  
 COUNTY OFFICIALS D  
 AS SOURCE OF H2S C

Attachment L

Delivery Details Publishing Delivery Settings

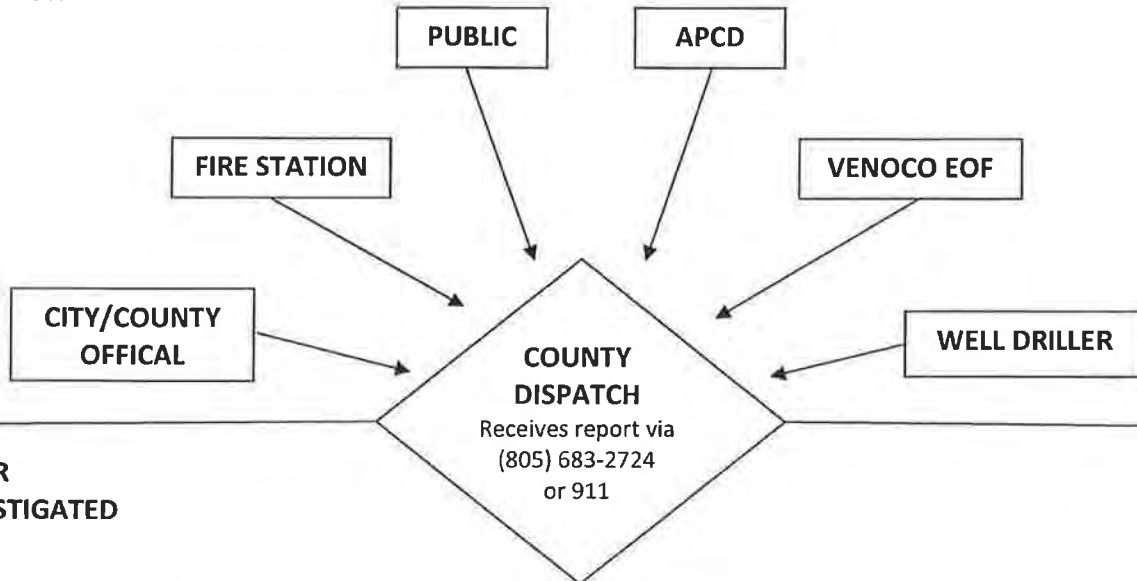
Confirmed	Contact Name	Confirmed Method	Confirmed Method Value	Confirmation Time
N	Katina Etsell			



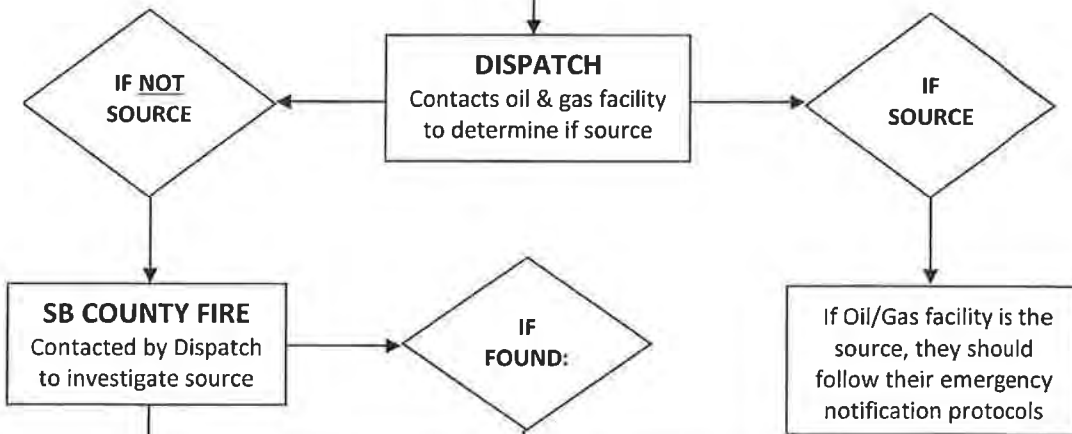
# UNKNOWN SOURCE H<sub>2</sub>S ODOR REPORTING PROCESS

(This process is only for unknown "rotten egg" type odor, not for a hazardous condition)

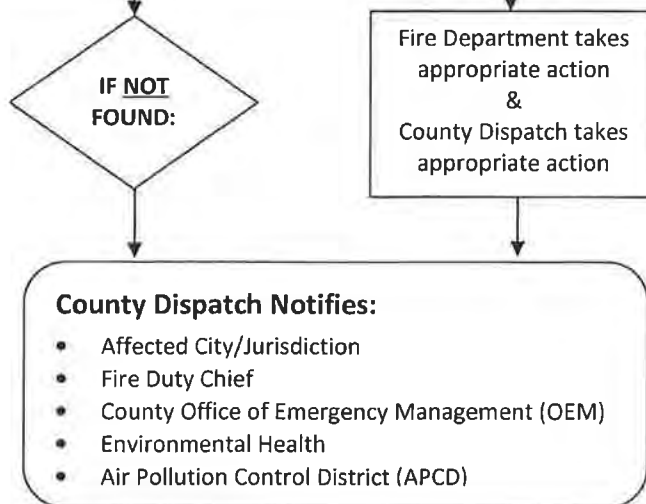
## REPORT OF H<sub>2</sub>S ODOR



## ODOR INVESTIGATED



## ACTION TAKEN



**County Dispatch Notifies:**

- Affected City/Jurisdiction
- Fire Duty Chief
- County Office of Emergency Management (OEM)
- Environmental Health
- Air Pollution Control District (APCD)

For questions or information, contact the County Office of Emergency Management at (805) 681-5526



November 29, 2016

## **Attachment 2**

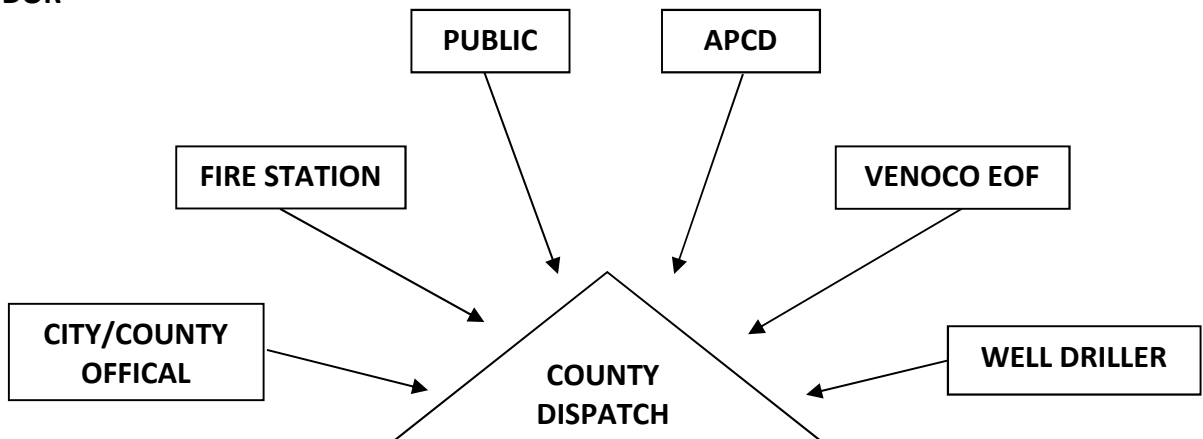
Flow Chart for Reporting Unknown H<sub>2</sub>S Odors

ATTACHMENT 2

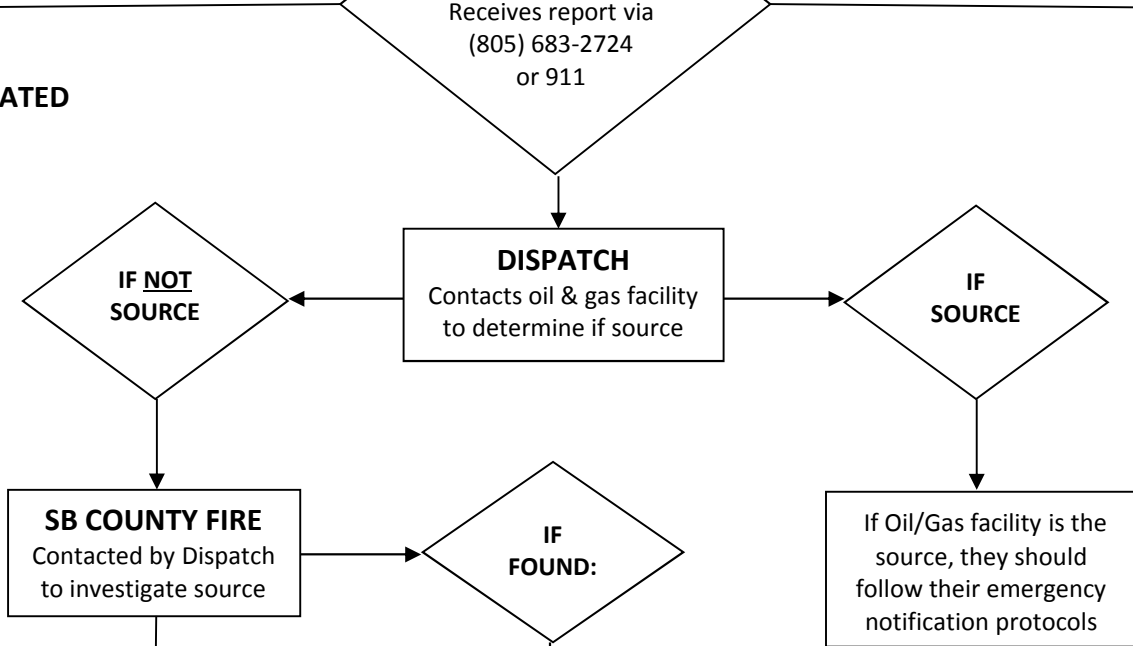
# UNKNOWN SOURCE H<sub>2</sub>S ODOR REPORTING PROCESS

(This process is only for unknown “rotten egg” type odor, not for a hazardous condition)

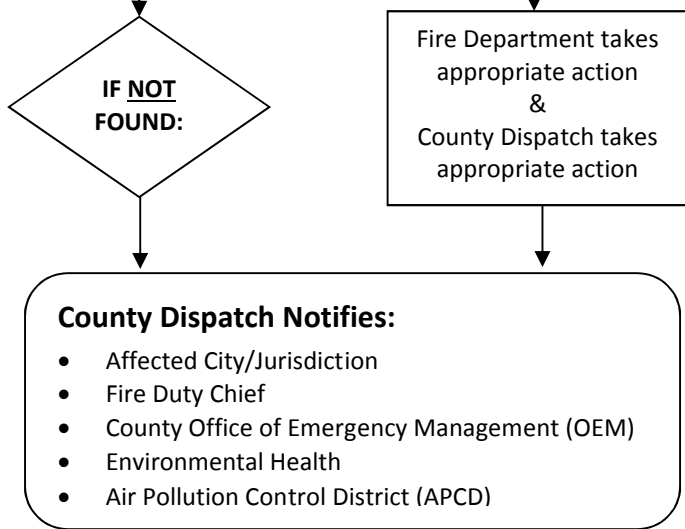
**REPORT OF H<sub>2</sub>S ODOR**



**ODOR INVESTIGATED**



**ACTION TAKEN**



**County Dispatch Notifies:**

- Affected City/Jurisdiction
- Fire Duty Chief
- County Office of Emergency Management (OEM)
- Environmental Health
- Air Pollution Control District (APCD)

For questions or information,  
contact the County Office of  
Emergency Management at  
(805) 681-5526



November 29, 2016

## **Attachment 3**

Copies of correspondence between City and Venoco



November 17, 2016

SENT VIA EMAIL  
kwenal@venocoinc.com

**CITY COUNCIL**

Jim Farr  
Mayor

Tony Vallejo  
Mayor Pro Tempore

Roger S. Aceves  
Councilmember

Michael T. Bennett  
Councilmember

Paula Perotte  
Councilmember

**CITY MANAGER**  
Michelle Greene

Mr. Keith Wenal  
Venoco LLC  
6267 Carpinteria Avenue, Suite 100  
Carpinteria, CA 93013

Re: October 8, 2016 Venoco Ellwood Facility H<sub>2</sub>S Alarm  
Emergency Action Plan Notifications  
City of Goleta Permit Conditions #158 and #159; Permit 08-134-DP

Dear Mr. Wenal:

The October 9, 2016 Venoco Ellwood Onshore Oil and Gas Processing Facility (EOF) hydrogen sulfide (H<sub>2</sub>S) alarm incident required notification to the City per Table 2-2 of Venoco's Emergency Action Plan (Plan). The plan requires that Venoco "*Notify of any incident or release, whether considered an emergency or not.*" Further, the Plan also requires a written initial assessment with 24 hours consistent with Venoco Permit 08-134-DP Condition #159. The City did not receive the notification or the written assessment within the 24 hour time requirement as required by Conditions #158 and #159 of 08-134-DP.

Please review the requirements of Section 2 of the EAP, conduct an employee training on the notification procedures, and submit the employee sign-in sheet for the training to the City.

Please feel free to call me at (805) 961-7557 if you have any questions.

Sincerely,

Anne Wells  
Advance Planning Manager

cc: Rob Lewin, Santa Barbara County Office of Emergency Management  
Kaitlin McNally, Santa Barbara County Air Pollution Control District



December 5, 2016

Anne Wells  
City of Goleta  
130 Cremona Dr., Suite B  
Goleta, Ca 93117

Subject: October 9, 2016 Odor Event – Ellwood Emergency Action Plan Notifications

Dear Ms. Wells,

Venoco is in receipt of your letter dated November 17, 2016 in which you state that the October 9, 2016 triggering of the fenceline H<sub>2</sub>S odor monitors at the EOF was an incident that required notification to the City per Table 2-2 of Venoco's Emergency Action Plan including submittal of a written assessment of the incident within 24 hours. Venoco disagrees with this assessment and provides the following explanation.

The devices involved with this event are fenceline H<sub>2</sub>S odor monitors operated and maintained in accordance with Santa Barbara County APCD approved Fenceline Monitor Plan / Rule 310 Odor Monitor Plan for Ellwood Onshore Facility. Activation of a fenceline monitor at 0.3 ppmv is immediately transmitted to the APCD Data Acquisition System (DAS). Venoco is required to conduct an internal investigation to determine the cause of any fenceline H<sub>2</sub>S monitor alarming and submit a follow up report within 4 hours of the next business day.

As you correctly state Table 2-2 of Venoco's Emergency Action Plan requires that Venoco notify the City of "any incident, release or threatened release whether considered an emergency or not." It is Venoco's position that the odor event that occurred from October 9 through Oct 11, 2016 was caused by an event within the County of Santa Barbara, outside the City of Goleta and completely unrelated to Venoco's Ellwood Onshore Facility (EOF). As such there was no Ellwood Onshore Facility (EOF) incident, release or threatened release to consider an emergency or not; and therefore application of the emergency procedures mandated by Venoco's Emergency Action Plan including Table 2-2 do not apply.

In conclusion, this event was very unusual in that all previous fenceline odor detections have been related to an EOF incident (i.e. upset condition, maintenance, equipment failure) which

were classified as an emergency incident or a non-emergency incident triggering notification in accordance with the Emergency Action Plan. Of all previous odors typically called in by the public such as heavy seep activity and farm irrigation using odorous water, as well as barge loading incidents in the past, none have ever triggered the fenceline H2S odor monitors and likely never will. In this case Venoco's EOF fenceline H2S odor monitors alarmed upon detection of very low levels of H2S from an offsite event upon which Venoco's EOF personnel executed all the proper actions as required under the existing Fenceline Monitor Plan/Rule 310 Odor Monitor Plan. The odor event was not an EOF emergency or non-emergency incident, but rather an unusual alarm event determined to be unrelated to EOF and therefore notification to the City in accordance with the Venoco Emergency Action Plan was not required.

If you would like to discuss this issue further please contact me at (805) 745-2259.

Regards,

A handwritten signature in black ink, appearing to read 'Keith Wenal', with a large, stylized initial 'K' and a long horizontal stroke extending to the right.

Keith Wenal

Manager – Health, Environment & Safety

Cc: Rob Lewin, Santa Barbara County OEM  
Kaitlin McNally, Santa Barbara County APCD

## **Attachment 4**

Venoco EAP\_- Copy of Table 2-2: Agency Notification and Reporting Requirements



**TABLE 2-2: AGENCY NOTIFICATION AND REPORTING REQUIREMENTS**

(Note: For agency telephone numbers, see Directory, Table 2-6)

Agency	Particulars	Verbal Report	Written Report
Santa Barbara County Energy & Minerals Division	Notify of any incident or release, whether considered an emergency or not.	Immediately to Deputy Director	Written initial assessment within 24 hours consistent with 06-158-DPAM permit condition 159 and other related agency forms
Santa Barbara County Fire Department / Sheriff / 911	Notify for any emergency posing a threat to life, environment, or property.	Immediately, 9-1-1	SBC CAER Form <u>if not an emergency</u> within 1 business day.
Santa Barbara County OEM	Notify for any Level 2 and Level 3 Incidents.	Immediately	Written initial assessment within 24 hours consistent with 06-158-DPAM permit condition 159 and other related agency forms
Santa Barbara County APCD	Notify of equipment failure, malfunction, accident, or abnormal operations, <u>if resulting in breakdown.</u>	Within 4 hours of next business day.	Written initial assessment within 24 hours consistent with 06-158-DPAM permit condition 159 and other related agency forms
City of Goleta	Notify on any incident, release or threatened release whether considered an emergency or not.	Immediately to City Manager; and Neighborhood Services & Public Safety Director	Written initial assessment within 24 hours consistent with 06-158-DPAM permit condition 159 and other related agency forms