From: Steiner, Cyntia
To: Nixon, Donald
Subject: RE: Valero Refinery Flaring Incident
Date: Friday, May 05, 2017 2:04:27 PM

Population with 1-mile radius of facility: There are approximately 1,486 households (4,424 persons) located within a one-mile radius of the facility. Source: ECHO

Source ECHO – see highlighted

Demographic Profile

Demographic Profile of Surrounding Area (1 Mile)

Select radius: 1 mile

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 US Census and American Community Survey data, and are accurate to the extent that the facility latitude and longitude listed below are correct. The latitude and longitude are obtained from the EPA Locational Reference Table (LRT) when available.

Radius of Area:	1	Land Area:	100%	Households in Area:	1,486
Center Latitude:	38.074864	Water Area:	0%	Housing Units in Area:	1,540
Center Longitude:	-122.143574	Population Density:	1,414/sq.mi.	Households on Public Assistance:	37
Total Persons:	4,424	Percent Minority:	39%	Persons Below Poverty Level:	435

Race Breakdown	Persons (%)	Age Breakdown	Persons (%)
White:	2,976 (67%)	Child 5 years and younger:	253 (6%)
African-American:	276 (6%)	Minors 17 years and younger:	1,231 (28%)
Hispanic-Origin:	465 (11%)	Adults 18 years and older:	3,193 (72%)
Asian/Pacific Islander:	740 (17%)	Seniors 65 years and older:	435 (10%)
American Indian:	16 (0%)		
Other/Multiracial:	416 (9%)		

Education Level (Persons 25 & older)	Persons (%)	Income Breakdown	Households (%)
Less than 9th Grade:	98 (3.55%)	Less than $15,000:	39 (2.55%)
9th through 12th Grade:	77 (2.79%)	$15,000 - $25,000:	22 (1.44%)
High School Diploma:	242 (8.78%)	$25,000 - $50,000:	197 (12.86%)
Some College/2-yr:	887 (32.17%)	$50,000 - $75,000:	182 (11.88%)
B.S./B.A. or More:	1,453 (52.7%)	Greater than $75,000:	1,092 (71.28%)

From: Nixon, Donald
Sent: Friday, May 05, 2017 1:50 PM
To: Steiner, Cyntia <Steiner.Cyntia@epa.gov>
Subject: RE: Valero Refinery Flaring Incident

Could you find this:

Population with 1-mile radius of facility: There are approximately XXXX households (XXXX persons) located within a three-mile radius of the facility. Source: ECHO

From: Steiner, Cyntia
Sent: Friday, May 05, 2017 1:34 PM
To: Nixon, Donald <Nixon.Donald@epa.gov>
Subject: RE: Valero Refinery Flaring Incident

ECHO is a good place to start, but log-in as EPAer because you get access to non-public info. As a back- up you can contact Enforcement Division and ask Angela Baranco to do an ICIS run. Give her name of facility and tell her to run a report going back 10 (?) years on all CAA (?) actions.

Not sure what info you need to include in report out. Do you have access to examples (reports highlighted) …

> We'll be preparing an EOC Spot Report out of HQ. OEM Management has requested a CIIP from Region 9 for this incident. I am attaching an example CIIP from Region 7 for reference. The CIIP begins on page 3.

Sent: Friday, May 05, 2017 1:21 PM
To: Steiner, Cyntia <Steiner.Cyntia@epa.gov>
Subject: RE: Valero Refinery Flaring Incident

Thanks.

Dan said if it goes into Monday, that would be OK, but I want to at least get a good start, so that if I have to hand this off to be completed, due to my dentist appointment Monday morning, it will be mostly done.

For other media, is ECO the best place to find recent info.?

Let me know if you have any questions or don't understand any of my comments on Gallo.

From: Steiner, Cyntia
Sent: Friday, May 05, 2017 1:17 PM
To: Nixon, Donald <Nixon.Donald@epa.gov>
Subject: RE: Valero Refinery Flaring Incident

Let me know if I can help with anything.

From: Nixon, Donald
Sent: Friday, May 05, 2017 12:30 PM
To: Steiner, Cyntia <Steiner.Cyntia@epa.gov>
Subject: FW: Valero Refinery Flaring Incident

Looks like I will have a busy afternoon.

From: Lee, Eugene
Sent: Friday, May 05, 2017 12:29 PM
To: Meer, Daniel <Meer.Daniel@epa.gov>
Cc: Nixon, Donald <Nixon.Donald@epa.gov>; Lawrence, Kathryn <Lawrence.Kathryn@epa.gov>; Johnstone, Jeremy <Johnstone.Jeremy@epa.gov>
Subject: RE: Valero Refinery Flaring Incident

Thanks Dan.

From: Meer, Daniel
Sent: Friday, May 05, 2017 3:27 PM
To: Lee, Eugene <Lee.Eugene@epa.gov>
Cc: Nixon, Donald <Nixon.Donald@epa.gov>; Lawrence, Kathryn <Lawrence.Kathryn@epa.gov>; Johnstone, Jeremy <Johnstone.Jeremy@epa.gov>
Subject: RE: Valero Refinery Flaring Incident

Don Nixon is the staff person who is looking at past compliance information. I am pretty sure that last RMP inspection was a number of years ago, perhaps as far back as 2011

Daniel A. Meer, Assistant Director
Superfund Division
Emergency Response, Preparedness and Prevention Branch
415.972.3132 (O)
415.971.6792 (C)

From: Lee, Eugene
Sent: Friday, May 05, 2017 12:18 PM
To: Meer, Daniel <Meer.Daniel@epa.gov>; Eoc, Epahq <Eoc.Epahq@epa.gov>
Cc: Lawrence, Kathryn <Lawrence.Kathryn@epa.gov>
Subject: RE: Valero Refinery Flaring Incident

Understood and we will let the OEM'ers know that you are working on it…

Eugene

From: Meer, Daniel
Sent: Friday, May 05, 2017 3:16 PM
To: Eoc, Epahq <Eoc.Epahq@epa.gov>
Cc: Lee, Eugene <Lee.Eugene@epa.gov>; Lawrence, Kathryn <Lawrence.Kathryn@epa.gov>
Subject: RE: Valero Refinery Flaring Incident

It might be Monday, we are very thin on staff today.

Daniel A. Meer, Assistant Director
Superfund Division
Emergency Response, Preparedness and Prevention Branch
415.972.3132 (O)
415.971.6792 (C)

From: Eoc, Epahq
Sent: Friday, May 05, 2017 11:49 AM
To: Meer, Daniel <Meer.Daniel@epa.gov>
Cc: Lee, Eugene <Lee.Eugene@epa.gov>; Lawrence, Kathryn <Lawrence.Kathryn@epa.gov>
Subject: RE: Valero Refinery Flaring Incident

As soon as you can manage given your current response priorities.

Including a few more documents and examples for your reference. Thanks much.

Pete Oh, Sr. Watch Officer
U.S. Environmental Protection Agency
Headquarters Emergency Operations Center
1200 Pennsylvania Ave
Washington, DC 20004
202-564-3850 (24hrs)
eoc.epahq@epa.gov

From: Meer, Daniel
Sent: Friday, May 05, 2017 2:44 PM
To: Eoc, Epahq <Eoc.Epahq@epa.gov>
Cc: Lee, Eugene <Lee.Eugene@epa.gov>; Lawrence, Kathryn <Lawrence.Kathryn@epa.gov>
Subject: RE: Valero Refinery Flaring Incident

How soon for the ciip?

Daniel A. Meer, Assistant Director
Superfund Division
Emergency Response, Preparedness and Prevention Branch
415.972.3132 (O)
415.971.6792 (C)

From: Eoc, Epahq
Sent: Friday, May 05, 2017 11:40 AM
To: Meer, Daniel <Meer.Daniel@epa.gov>
Cc: Lee, Eugene <Lee.Eugene@epa.gov>; Eoc, Epahq <Eoc.Epahq@epa.gov>
Subject: RE: Valero Refinery Flaring Incident

Hi Dan,
Thanks so much for this information. We'll be preparing an EOC Spot Report out of HQ. OEM Management has requested a CIIP from Region 9 for this incident. I am attaching an example CIIP from Region 7 for reference. The CIIP begins on page 3. Please let me know if you have any questions.

Pete Oh, Sr. Watch Officer
U.S. Environmental Protection Agency
Headquarters Emergency Operations Center
1200 Pennsylvania Ave
Washington, DC 20004
202-564-3850 (24hrs)
eoc.epahq@epa.gov

From: Meer, Daniel
Sent: Friday, May 05, 2017 1:53 PM
To: R9_ER List <R9_ER_List@epa.gov>
Subject: Valero Refinery Flaring Incident

Overview:

- At approximately 0615 hours Pacific Time, a power outage at the Valero Refinery in Benicia, CA caused a large, unplanned flaring incident. The power outage was apparently due to activity by the local utility, Pacific Gas & Electric. The refinery continues to be without power.

- The heavy smoke from the flaring caused local authorities to order and implement small scale evacuations and shelter-in-place in Benicia, in the immediate vicinity and downwind of the facility. An unknown number of people were evacuated from a nearby industrial park at 0745 hours. The shelter-in-place orders continue, including two elementary schools (Roberts Temple and Mathew Turner) to the north of the facility. Evacuation advisories, however, have been lifted.

- Steady westerly winds appear to be dissipating the thickest plumes of smoke and the smoke and flaring activity appear to be decreasing. However air quality is described as 'bad' with heavy to a severe smell of sulfur dioxide in neighborhoods downwind of the refinery. Ground level fence line monitors at the refinery are showing 5 ppb SO2. No sampling has occurred as of 1030 hours.

- The Valero Refinery is reporting their initial estimates that 9,403 pounds of material have been released by the flaring.

Federal, State and Local Authority Actions:

- Multiple state and local authorities responded immediately to the incident.
- They include the **Bay Area Air Quality Management District** that deployed a mobile monitoring van with real time SO2 monitoring capability and personnel to take summa canister samples;
- the **California Air Resources Board** which has modeling staff on standby if needed and is deploying particulate monitors (EBAMS) for PM10 and PM2.5;
- the **Solano County Hazardous Materials Unit** responded at the request of the **Benicia Fire Department**;
- Solano County HazMat is maintaining contact with the Bay Area AQMD and the neighboring Contra Costa County Community Warning System;
- the **California Occupational Safety and Health Administration** is sending staff to the refinery.
- Several roads and highways near the facility have been closed by the **City of Benicia** and the **California Highway Patrol**.

EPA Actions:

- Region 9 mobilized 2 OSCs - Maggie Waldon and Steve Calanog - and 3 technical assessment contractors to the Unified Command. EPA is deploying hand held monitors for SO2, H2S and particulates at the request of the Bay Area AQMD;
- The Region will maintain its close contact with local and state authorities that are responding.

Media Interest

Local media interest is high.

http://kron4.com/2017/05/05/flaring-at-valero-refinery-in-benicia/

Daniel A. Meer, Assistant Director
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