



**Shell Chemicals**

HAND DELIVERED AND VIA EMAIL

**RECEIVED**

**FEB 22 2016**

**Contra Costa Health  
Hazardous Materials**

Dear Mr. Sawyer and Ms. Friedman,

As requested from Mr. Ian Williams and Ms. Friedman, attached is the completed 72 hour report that pertains to the incident on February 19<sup>th</sup>, 2016 at the Shell Martinez Catalyst Plant at approximately 14:20 hours.

Please feel free to contact me directly at 925-313-8687 or Nicola Maher at 925-313-8686 if you have additional questions.

Take care,

A handwritten signature in cursive script, reading "Aura Sibley", is located below the text "Take care,".

Aura Sibley  
HSSE Manager  
Shell Chemical LP CRI/Criterion, Inc.  
Martinez Catalyst Plant  
10 Mococo Road  
Martinez, CA94553  
Office: +1-925-313-8687  
Lync: +1-925-313-8636  
Mobile: +1-916-240-1610  
[aura.sibley@shell.com](mailto:aura.sibley@shell.com)

For CCHS Use Only:

Received By: H. Wagner  
Date Received: 2/22/2016  
Incident Number: W-02-19-01  
Copied To: \_\_\_\_\_  
Event Classification Level: \_\_\_\_\_

**ATTACHMENT B  
72 HOUR FOLLOW-UP NOTIFICATION REPORT FORM  
CONTRA COSTA HEALTH SERVICES**

**INSTRUCTIONS:** A hardcopy and an electronic copy of this report is to be submitted for all Level 2 and 3 incidents or when requested by CCHS. See Attachment B-1 for suggestions regarding the type of information to be included in the report. Attach additional sheets as necessary. Forward the completed form to:

**ATTENTION:** Randall L. Sawyer  
Hazardous Materials Programs Director  
Contra Costa Health Services  
4585 Pacheco Boulevard, Suite 100  
Martinez, CA 94553

**INCIDENT DATE:** 02/19/2016  
**INCIDENT TIME:** 14:20 approximately  
**FACILITY:** Shell Martinez Catalyst Plant  
**PERSON TO CONTACT FOR ADDITIONAL INFORMATION:**  
Aura Sibley - Phone number: 925-313-8687

**I. SUMMARY OF EVENT:**

A Level 0 event occurred at the Shell Catalyst Plant located at 10 Mococo Road in Martinez California at approximately 14:20 hours. Operations Personnel saw that the control system trend for production on the A Train unit had changed. Operator immediately went to the unit, and saw some smoke at the transition between the first and second dryer unit. Operator saw a few abnormally colored, glowing red, catalyst pellets (less than 20) dropping into the containment pan beneath the transition. Immediately upon discovery of pellets, at approximately 14:25, Operator stopped feed and the heating system then notified his supervisor. At approximately 14:30 hours, Supervisor deployed on-site emergency nitrogen and steam systems and activated the facility internal emergency response plan.

Workers were evacuated from the immediate area and Shell Martinez Refinery Emergency Response personnel were dispatched to the scene. Upon arrival, at approximately 14:40 hours, the Shell Martinez Refinery Emergency Response team determined there was no evidence of a fire, there was no damage to equipment, and no health risk to personnel or community. Outside Emergency Response requests were cancelled at approximately 14:45 hours.

This report is being filed at the request of Mr. Ian Williams from CCHS who responded to the site following the upset.

**II. AGENCIES NOTIFIED, INCLUDING TIME OF NOTIFICATION:**

Notification made to Contra Costa Fire Department at approximately 14:36.  
Notification made to Contra Costa Health Services & Bay Area Air Quality Management District at approximately 14:42.  
Request cancelled to Contra Costa Fire Department at approximately 14:45.

**III. AGENCIES RESPONDING, INCLUDING CONTACT NAMES AND PHONE NUMBERS:**

Contra Costa Health Services – Ian Williams (925-335-3227) & 2 colleagues (did not leave business cards).

**IV. EMERGENCY RESPONSE ACTIONS:**

Shell Martinez Refinery Emergency Response personnel were activated as a precautionary measure. No actions taken by Responders other than site verification.

**V. IDENTITY OF MATERIAL RELEASED AND ESTIMATED OR KNOWN QUANTITIES:**

No release of product at reportable quantities (RQ). Estimated that less than 20 pellets were captured in secondary containment for unit

**VI. METEOROLOGICAL CONDITIONS AT TIME OF EVENT** including wind speed, direction, and temperature:

Incident occurred inside building and there were no effects external to building.

**VII. DESCRIPTION OF INJURIES:**

None.

**VIII. COMMUNITY IMPACT** including number of off-site complaints, air sampling data during event, etc.:

Shell Martinez Refinery Emergency Responders took direct air readings inside the building for oxygen and LEL at time of the response and all sampling was normal. No off-site visibility or complaints.

**IX. INCIDENT INVESTIGATION RESULTS**

Is the investigation of the incident complete at this time?  Yes  No

If the answer is no, submit a 30 day final or interim report.

If the answer is yes, complete the following:

**X. SUMMARIZE INVESTIGATION RESULTS BELOW OR ATTACH COPY OF REPORT:**

A root cause analysis was completed on 2/22/2016. It was determined that there was a blockage in the A Train dryer that caused excessive residence time for a small number of catalyst pellets. As a result a few pellets became overheated to a glowing red state. The root cause for the blockage, was attributed to a faster than predicted dust build up.

**XI. SUMMARIZE PREVENTATIVE MEASURES TO BE TAKEN TO PREVENT RECURRENCE INCLUDING**

Adjusted process limits to reduce rate of dust build-up and increased routine inspection intervals when running this product.

**MILESTONE AND COMPLETION DATES FOR IMPLEMENTATION:**

Investigation completed 2/22/2016.