

**72 HOUR FOLLOW-UP NOTIFICATION REPORT FORM
CONTRA COSTA HEALTH SERVICES HAZARDOUS MATERIALS
PROGRAMS**

INSTRUCTIONS: A hardcopy and an electronic copy of this report is to be submitted for all Public Health Advisory – Level 2 and Public Protective Actions Required – Level 3 incidents or when requested by CCHSHMP. 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:
Hazardous Materials Programs Director
Contra Costa Health Services Hazardous Materials Programs
4585 Pacheco Boulevard, Suite 100
Martinez, CA 94553

For CCHSHMP Use Only:

Received By: AM
Date Received: 1/13/23
Incident Number: 23011101
Copied To: _____
Event Classification Level: 1

RECEIVED

JAN 13 2023

Contra Costa Health
Hazardous Materials

INCIDENT DATE: 01/11/2023 **INCIDENT TIME:** 09:00 **FACILITY:**
Martinez Refining Company LLC

PERSON TO CONTACT FOR ADDITIONAL INFORMATION

Michael Marlowe Phone number (831) 332-2820

I. SUMMARY OF EVENT:

Contract scaffold crew was erecting scaffold on the west side of Sulfur Plant #1 Reaction Furnace F-54. A 3/4" piping detail protruding from the vessel was contacted inadvertently by scaffold builder working in close proximity. Piping detail cracked at the coupling and began leaking. Crew evacuated area and contacted operations immediately. No personal H2S monitors or area unit monitors alarmed.

II. AGENCIES NOTIFIED, INCLUDING TIME OF NOTIFICATION:

CCHSDHMP – CWS Level 1 (9:05 AM),
NRC (09:26),
CAL OES, BAAQMD – (9:20)
CCHSDHMP (09:27)

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

09:13CC HSD Contacted MRC Agency Hotline
– CCHSDHMP personnel conducted fence line monitoring as per supervisor communication.

IV. EMERGENCY RESPONSE ACTIONS:

EOC (Emergency Operations Center) called and personnel at site accounted for and immediate evacuation of the area was performed. Ceased feed to the affected unit and diverted Sulfur Plant #1 feed to other units. Established plan to mitigate and isolate leak.

INCIDENT DATE: 1/11/2023
FACILITY: Martinez Refining Company

MRC personnel were dispatched to the community to perform monitoring. Readings in the community on the first sampling were done near the MRC clubhouse - all were zero and no odors were detected. Further samples and observations during the duration of the incident were made downwind of the facility along the Pacheco Blvd., the MRC clubhouse, and the Marina.

All samples were zero and no odors were detected. Facility emergency response personnel entered the area and isolated the equipment and readings at the formerly leaking area were zero. EOC was closed and an all clear was given to facility personnel.

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

Potential release of H₂S (3.14 lbs.) and SO₂ (2.97 lbs.). No detection at fence line monitors or site monitoring other than the immediate vicinity of the leaking equipment.

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

Wind direction 10 MPH out of the NE, approximately 52 degrees.

VII. DESCRIPTION OF INJURIES:

No Injuries.

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

None

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:

Piping detail protruding from the vessel was contacted inadvertently by scaffold builder due to improper body positioning as well as wet and slippery conditions caused a potential blind spot while erecting scaffold. Potential contact of process piping as a hazard was not properly identified nor mitigated during JHA process.

XI. SUMMARIZE PREVENTATIVE MEASURES TO BE TAKEN TO PREVENT RECURRENCE INCLUDING MILESTONE AND COMPLETION DATES FOR IMPLEMENTATION:

Steps taken to prevent reoccurrence include an update to JHA (Job Hazard Analysis) process to include further detailed review of instrumentation, transmitters, and small-bore line hazards within the work area. This review includes both identification of the hazards and a plan to ensure proper mitigation of the hazards. Hazard mitigation process will include identification and visual markers of identified hazards. Scaffold crews on site met for a safety stand down to discuss incident in detail & lessons learned to ensure full understanding of new hazard identification protocols. Additional structural support was added to affected small bore piping to prevent recurrence if incidental contact is made. Both corrective actions completed on 1/12/2023.