



3485 Pacheco Boulevard  
Martinez, CA 94553-0071

December 23, 2022

**VIA EMAIL** ([nicole.heath@cchealth.org](mailto:nicole.heath@cchealth.org))

**Subject: 72-Hour Report – Martinez Refining Company 2022-12-22 Flaring Event**

Mailed via USPS:

Ms. Nicole A. Heath  
Acting Director of Hazardous Materials Programs  
Contra Costa Health Services Hazardous Materials Programs  
4585 Pacheco Boulevard, Suite 100  
Martinez, CA 94553

Ms. Heath:

On December 22, 2022, Martinez Refining Company LLC's ("MRC" "facility") experienced a power interruption which resulted in a flaring event lasting approximately 7 minutes. Pursuant to a verbal request from Xavier Bryant of the Contra Costa Health Services Department (CCHSD), MRC is submitting a 72-hour report (attached / enclosed) in accordance with Contra Costa Health Services Hazardous Materials Program's (CCHSDHMP) HAZARDOUS MATERIALS INCIDENT NOTIFICATION POLICY.

After investigation, troubleshooting, and electrical checks, including diagnostic checks from the relay, MRC has determined the following:

As a result of the intrusion of a racoon into Substation 2 at the facility, the substation suffered a three-phase fault in capacitor bank number 3 which caused the breaker to open. This caused a temporary power interruption that resulted in a loss of equipment across the refinery. Physical evidence found during the inspection of the substation indicates that the racoon caused a three-phase fault. #3 Capacitor bank remains out of service and will remain out of service until all appropriate electrical testing has been completed.

The initial CWS level 1 notification was made outside the 15-minute requirement for initial notification. Initially, when the information was entered, facility personnel used the current time when the incident was entered into the CWS. Shortly thereafter, the facility recognized this error and corrected this information in the CWS immediately. Untimely reporting is recognized and under investigation for corrective actions to ensure compliance with policy and procedure for reporting.

Ms. Nicole Heath  
December 22, 2022  
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***72-Hour Report – Martinez Refining Company  
2022-12-22 Flaring Event***

Thank you for your time in this matter. Should you have any questions regarding this report, or require additional information, please contact Michael Marlowe me at (831) 332-2820.

Sincerely,



Justin Wagner  
Manager HSSE

Enclosures: as stated

cc:

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

**For CCHSHMP Use Only:**

Received By:   NHB    
Date Received:   12/23/22    
Incident Number: \_\_\_\_\_  
Copied To: \_\_\_\_\_  
Event Classification Level: \_\_\_\_\_

**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

**INCIDENT DATE:**   12/22/2022    
**INCIDENT TIME:**   Approximately 20:40    
**FACILITY:**   Martinez Refining Company LLC  

**PERSON TO CONTACT FOR ADDITIONAL INFORMATION**

  Michael Marlowe   Phone number   (831) 332-2820  

**I. SUMMARY OF EVENT:**

As a result of the intrusion of a racoon into Substation 2 at the facility, the substation suffered a three-phase fault in capacitor bank number 3 which caused the breaker to open. This caused a temporary power interruption that resulted in a loss of equipment across the refinery. Physical evidence found during the inspection of the substation indicates that the racoon caused a three-phase fault. #3 Capacitor bank remains out of service and will remain out of service until all appropriate electrical testing has been completed.

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

CCCHSHNMP - CWS Notification level 1 21:25

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

CCHSD - Xavier Bryant Approximately 23:54  
925-655-0195 Requested a 72 hour report.

**IV. EMERGENCY RESPONSE ACTIONS:**

Facility personnel responded to the power issue and then safely started up equipment at the facility.

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

Flaring event - Approximately 60 lbs of SO<sub>2</sub>

**72-HOUR REPORT, PAGE 2**

**INCIDENT DATE:** 12/22/2022

**FACILITY:** Martinez Refining Company LLC

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

See attached weather conditions report - report-15-20221223131257.pdf

**VII. DESCRIPTION OF INJURIES:**

None

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

Visible flaring.

**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:**

As a result of the intrusion of a racoon into Substation 2 at the facility, the substation suffered a three-phase fault in capacitor bank number 3 which caused the breaker to open. This caused a temporary power interruption that resulted in a loss of equipment across the refinery. Physical evidence found during the inspection of the substation indicates

Continued below:

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

Caused by racoon - no practicable solutions identified.

**X Continued**

that the racoon caused a three-phase fault. #3 Capacitor bank remains out of service and will remain out of service until all appropriate electrical testing has been completed.





MRC-West	1345	2743	12.9	41	0	46	46	0	0	1.57	5.18	86	15	52	44.8	46.8	1329	40.9	242 NE   53	10.5	17 ENF   77	1030	5.5	46.4	36.1	11.4	8.1	
MRC-East	1330	2743	13.4	12.8	0	46	46	0	0	3.57	5.18	86	15	52	44.8	46.8	1329	40.9	242 NE   34	10.2	14 E   87	1031 NE   35	6.5	46.4	36.3	11.4	8.1	
MRC-West	1315	2743	13.3	12.8	0	46	46	0	0	3.57	5.18	86	15	45.2	45	51.7	1344	43.3	637 NNE   22	12.1	17 ENF   77	1030	5.2	46.4	36.3	11.2	9.1	
MRC-East	1300	2743	13.2	12.8	0	46	46	0	0	3.57	5.18	87	20	44.8	45	46.5	1236	40.9	242 NE   42	11.3	14 E   87	1030 NNE   17	7	0	53.9	36.3	11.2	8.7
MRC-West	1300	2743	12.9	12.8	0	46	46	0	0	3.57	5.18	87	20	51.1	45.2	51.7	1344	43.3	637 N   10	11.3	14 E   87	1031 N   2	5.8	0	53.9	36.3	11.4	8.7
MRC-East	1300	2743	12.9	12.8	0	46	46	0	0	3.57	5.18	87	20	44.7	45.2	46.5	1236	40.9	242 NE   40	11.4	17 ENF   77	1030	5.4	46.4	36.1	11.4	8.6	