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DEC 23 2022

Contra Costa Health
Hazardous Materials

3485 Pacheco Boulevard
Martinez, CA 94553-0071

December 23, 2022

VIA EMAIL (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.

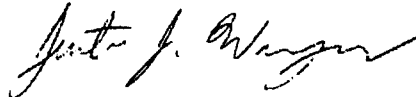
The initial CWS level 1 notification was made outside the 15-minute requirement for initial notification. Initially, when the information was entered, facility personnel used the current time when the incident was entered into the CWS. Shortly thereafter, the facility recognized this error and corrected 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**

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:

For CCHSHMP Use Only:

Received By: NAH
Date Received: 12/23/22
Incident Number: 22122203
Copied To: _____
Event Classification Level: 1

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 SO₂

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-MSB	12/22/2022	1345	2743	32.9	41	0	46	46	0	0	3.57	5.18	86	16	52	46.2	46.8	3329	40.9	242 ME 58	10.5	17.6ME 77	1030	5.5	48.4	36.1	11.4	8.1
MRC-EMR	12/22/2022	1330	2742	33.4	33.8	0	46	46	0	0	3.57	5.18	86	16	52	46.2	46.8	3329	40.9	627 ME 34	10.2	14.6 87	1031 ME 35	6.5	53.9	36.1	11.4	8.1
MRC-MWP	12/22/2022	1330	2743	32.9	32.8	0	46	46	0	0	3.57	5.18	86	16	52	46.2	46.8	3329	40.9	242 ME 46	12.1	17.6ME 77	1030	5.2	48.4	36.1	11.4	8.1
MRC-SMR	12/22/2022	1315	2742	33.3	32.8	0	46	46	0	0	3.57	5.18	86	16	51.2	45	51.7	3744	43.3	627 MME 22	12.2	14.6 87	1031 MME 37	7	53.9	36.3	11.2	8.1
MRC-MSB	12/22/2022	1300	2743	32.2	32.8	0	46	46	0	0	3.57	5.18	87	20	44.8	44.8	45.5	3236	40.9	242 ME 42	11.3	17.6ME 77	1030	5.3	48.4	36.1	11.4	8.7
MRC-EMR	12/22/2022	1300	2742	32.2	32.8	0	46	46	0	0	3.57	5.18	87	20	44.7	44.7	45.5	3244	43.3	627 M 10	11.3	14.6 87	1031 M 2	5.8	53.9	36.3	11.2	8.6
MRC-MWP	12/22/2022	1300	2743	32.9	32.9	0	46	46	0	0	3.57	5.18	87	20	44.7	44.7	45.5	3236	40.9	242 ME 40	11.4	17.6ME 77	1030	5.4	48.4	36.3	11.4	8.6