

NOV 29 2022

Contra Costa Health
Hazardous Materials**ATTACHMENT B****72 HOUR FOLLOW-UP NOTIFICATION REPORT FORM
CONTRA COSTA HEALTH SERVICES HAZARDOUS MATERIALS
PROGRAMS****For CCHSHMP Use Only:**

Received By: AM
 Date Received: 11/29/22
 Incident Number: 22112401
 Copied To: _____
 Event Classification Level: 1

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: 11/24/2022-11/25/2022
INCIDENT TIME: Intermittent - 12:30 PM to 6:15 AM
FACILITY: Martinez Refining Company LLC

PERSON TO CONTACT FOR ADDITIONAL INFORMATION

Michael Marlowe Phone number (831) 332-2820

I. SUMMARY OF EVENT:

At approximately 1:00AM on 11/21/2022, as a result of equipment failure (controller for air blower J-123) at the facility's CCU, the unit went into a safety feed diversion and shutdown operations of the CCU's CO Boiler's ESPs. The ESPs were shut down to prevent the potential for ignition if there was a flow reversal in the unit. This is typical of emergency shutdown of the unit, necessary for the safety of employees and to prevent damage to the equipment and upsets / impacts to the environment. See continuation on p. 2

II. AGENCIES NOTIFIED, INCLUDING TIME OF NOTIFICATION:

No release of a Hazardous Material took place. While the facility was investigating the issue, even when facility personnel suspected it might have been spent CCU catalyst, facility personnel believed that this material is not regulated as a hazardous material, therefore, facility personnel did not notify the CCC Hazardous Materials Division during the investigation.

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

Bay Area Air Quality Management District (BAAQMD) - McKenzie Bell - (415) 793-6649

IV. EMERGENCY RESPONSE ACTIONS:

MRC personnel responded to community calls and took information and samples of material as appropriate.

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

Spent Catalyst - See Attached SDS for catalyst product - Grace FCC Achieve 400-1052 and SDS for spent catalyst.
 Quantity - Unknown at present - estimation TBD

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INCIDENT DATE: 11/24/2022-11/25/2022

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

See attached hourly data.

VII. DESCRIPTION OF INJURIES:

No injuries reported.

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

Approximately 60 community contacts regarding the deposit of ash like materials on vehicles, etc. Additional contacts were received as a result of asking for public feedback on potential impacts.

IX. INCIDENT INVESTIGATION RESULTS

Is the investigation of the incident complete at this time? _____ Yes X 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:

NA - Investigation Ongoing

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

NA - Investigation Ongoing

I. Summary of Event - Continued

The controller was replaced on 11/22/2022 mid morning / early afternoon. The air preheater was ignited at approximately 8:50 AM on 11/22/2022 and as part of the continued start-up process, torch oil was introduced to the CCU regenerator at approximately 12:13 AM on 11/23/2022. Torch oil is added to bring the catalyst (and the unit) to the appropriate operating temperatures before the introduction of CCU feed material. The first feed nozzle was opened on 11/24/2022 at approximately 12:30 PM, introducing feed to the CCU.

During the shut down and start-up process, from 11/21/2022 until 11/25/2022, the COBs ESP's remained off, due to safety protocol to prevent detonation of the ESPs in the event of a flow reversal. On 11/23/2022, MRC submitted notifications to the BAAQMD (see attached 96 hour report) indicating intermittent exceedances of opacity on 11/21/2022 (1:11 AM) -11/22/2022 (12:36 PM) associated with the emergency shutdown of the ESPs from the initial event. On 11/26/2022, MRC sent a 96 hour report to the BAAQMD of intermittent opacity exceedances from 11/23/2022 (8:19 AM)-11/25/2022 (8:40 AM) as a result of start-up of the CCU. The ESPs were turned back on after safe conditions were met in the unit at approximately 6:15 AM on 11/25/2022.

The investigation remains ongoing and MRC is currently awaiting analytical results results from samples taken on 11/25/2022 after receiving community calls and initiating an investigation into the event to determine if the facility was responsible for the material in the community.