Certification Statement

I certify under penalty of law that based on the information and belief formed after reasonable inquiry, the statements and information in this document and in all attachments and other materials are true, accurate, and complete.

x	Mark Evans	Refinery Manager	7-26-2017
Signature of Responsible Official	Print Name	Title	Date

BAAQMD Title V Permit
6 Month Deviation Summary Report

From 1/1/2017 *to* 6/30/2017

A0022 Phillips 66 Company Contra Costa Carbon Plant

Facility Address:	Mailing Address:
2101 Franklin Canyon Road	2101 Franklin Canyon Road
City: Rodeo	City: Rodeo
State: CA	State: CA
Zip Code: 94572-	Zip Code: 94572-

Contact: Brent Eastep Title: Environmental Engineer Phone (510) 245-4672

Title V deviations for the reporting period are summarized below:

			May have resulted in a deviation from:
Deviation No: 011-17	Source Number(s): 1		Permit: 136-9
Event Started: 2/22/2017 8:42 AM	Abatement Device(s) : 10		AQMD:
Stopped: 2/22/2017 9:20 AM	Emission Point(s):		Other:

Event Description: Permit condition 136 Part 9 requires that all particulate matter emissions from the K-1 Kiln be routed through the A10 baghouse. At approximately 8:42 a.m., on 2/22/17, Phillips 66 believes that although the stack caps remained closed, a portion of the exhaust gas from the K-1 Kiln (S1) leaked through the hot stack rather than flowed through the A10 baghouse.

This event occurred following the breakdown of a screw conveyor, which transports ash away from the hopper. When the screw conveyor malfunctions, Carbon Plant personnel know to follow a series of mitigation actions, including cessation of bicarbonate injection, reduction of kiln feed rates, and monitoring of the baghouse pressure drop. All of these mitigation actions, which have worked to keep the Carbon Plant within all applicable permit limits previously, were followed for this event. However, at approximately 8:42 a.m., on 2/22/17, the backpressure between the baghouse and kiln increased causing some kiln exhaust containing particulate to exit through the hot stack. This also triggered a temperature alarm on the hot stack.

BAAQMD issued NOV A56415 on 6/2/17.

Probable Cause: A failed screw conveyor led to buildup of ash in the baghouse collection hopper, which caused backpressure in the hot stack.

Corrective actions or preventative steps taken: In response to the temperature alarm on the hot stack, feed was immediately pulled from the K-1 Kiln. By immediately halting feed to the kiln, the duration of the updraft event was minimized. Based on the time that the kiln feed was stopped and the average residence time of material in the kiln, it is estimated that by 9:20 a.m., on 2/22/2017, no further gas containing particulate exited the hot stack. Additionally, operations personnel kept the ID fan running during the event to minimize the amount of gas exiting through the hot stack. The ID fan pulls gas from the kiln through the baghouse, thus minimizing the amount of gas that may have exited through the hot stack. The amount of gas that exited through the hot stack was also limited in part because the stack caps remained closed.

In addition, the failed screw conveyor was replaced.

BAAQMD Title V Permit
6 Month Monitoring Report

A0022 Phillips 66 Company Contra Costa Carbon Plant

Facility Address:	Mailing Address:
2101 Franklin Canyon Road	2101 Franklin Canyon Road
City: Rodeo	City: Rodeo
State: CA	State: CA
Zip Code: 94572-	Zip Code: 94572-

Contact: Brent Eastep Title: Environmental Engineer Phone (510) 245-4672

Inoperable monitors as defined by BAAQMD Regulations 1-522 and 1-523 for the reporting period are summarized below:

Nothing to Report