

The Benzene Fenceline Monitoring Dashboard

In 2015, the U.S. EPA issued the Petroleum Refinery Sector Rule, an air toxics regulation that required, among other things, refineries continually monitor the concentration of benzene emissions along their property boundary (i.e., fenceline). In the event that benzene concentrations exceed the action level set by EPA, refineries are required to identify the root cause and take corrective action to reduce benzene emissions to below the action level. Refineries began reporting monitoring data to EPA in May 2019 and continue to report on a quarterly basis. Although EPA has made this data publicly available via [WebFIRE](https://cfpub.epa.gov/webfire/reports/eseach2.cfm) (<https://cfpub.epa.gov/webfire/reports/eseach2.cfm>), this Dashboard is meant to make the data easier to access and analyze by EPA, state and other regulatory agencies, and members of the public .

****Watch this short [video tutorial](https://www.youtube.com/watch?v=ldG6_kFddMs&ab_channel=U.S.EPA) (https://www.youtube.com/watch?v=ldG6_kFddMs&ab_channel=U.S.EPA) to learn how to navigate and use the Dashboard.**

Reporting Timeline

Reporting Quarter	Starts	Ends	Due By	Public No Later Than
Quarter 1	January 1	March 31	May 15	June 14
Quarter 2	April 1	June 30	August 14	September 13
Quarter 3	July 1	September 30	November 14	December 14
Quarter 4	October 1	December 31	February 14	March 16

Fenceline Monitoring Regulatory Requirements

40 CFR part 63 subpart CC (Refinery MACT CC) requires all refineries to implement a fenceline monitoring program for benzene emissions. The regulatory requirements of the program can be found in 40 CFR 63.658. The [Federal Register final rule \(2015\) pg. 15-23](https://www.govinfo.gov/content/pkg/FR-2015-12-01/pdf/2015-26486.pdf) (<https://www.govinfo.gov/content/pkg/FR-2015-12-01/pdf/2015-26486.pdf>) contains comments and EPA responses relevant to the program and its rationale.