


# Reducing Emissions In Richmond



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# Reducing Emissions In Richmond

- Past refinery rules
  - New, innovative toxics regulation
  - New, stringent refinery regulations
  - Dramatic changes to permitting program
  - More funding for clean transportation
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# Past Refinery Rule Efforts



Rule Development	Adopted / Amended
<b>Amended Rule 2-5: Toxic New Source Review</b> —Strengthens permitting requirements for new or modified sources of toxic emissions	December 2016
<b>New Rule 6-5: PM from Refinery Fluid Catalytic Crackers</b> —Reduces PM from largest sources at refineries	December 2015
<b>Amended Rule 8-18: Equipment Leaks from Refinery Heavy Liquids Leaks</b> —Reduces VOC and toxics from ground-level operations with higher local impacts	December 2015
<b>New Rule 9-14: Petroleum Coke Calcining Operations</b> —Reduces SO <sub>2</sub> from largest source in the Air District	April 2016
<b>Amended Rule 11-10: Refinery Cooling Towers</b> —Minimizes VOC and toxic leaks from cooling towers by requiring an aggressive testing schedule	December 2015
<b>New Rule 12-15: Petroleum Refinery Emissions Tracking</b> —Requires monitoring of crude inputs, detailed emissions reporting, fence line monitors	April 2016
<b>New Rule 11-18: Reduction of Risk from Air Toxic Emissions at Existing Facilities</b> —Reduces toxic impacts from all major sources of air toxics, including refineries	November 2017

# Toxics: New Rule 11-18

- Requires health risk assessments of facilities and then possible risk reduction plan
- 15 facilities in Richmond subject to Rule 11-18

## Phase 1 Facilities– HRAs Complete in 2020/early 2021

- Chevron Products Company
- Chemtrade West
- West Contra Costa County Landfill

## Phase 2 Facilities – Begin HRA Work in 2020

- Chevron
- Chevron Richmond Technology Center
- Levin Richmond Terminal
- West County Wastewater District
- City of Richmond Water Pollution Control District
- AC Transit
- East Bay MUD
- IMTT
- BNSF Railway
- Phillips 66
- Biorichland
- Richmond Product Terminal



# Refinery Rules

Refinery Rules	Public Workshop Draft Rule	Final Hearing
Rule 6-5: Refinery Fluid Catalytic Crackers	Q1 2020	Q4 2020
Rule 8-5: Organic Liquid Storage Tanks	Nov 2019	Q3 2020
Rule 8-8: Petroleum Wastewater Treating	Dec 2019	Q3 2020
Rule 8-18: Refinery Heavy Liquids Leaks	Q2 2020	Q4 2020
Rule 9-14: Petroleum Coke Calcining Operations	Q1 2021	Q3 2021
Regulation 2, Rules: Permit Reform	Nov 2019 / Apr 2020	Q4 2020

# Changes to Permitting

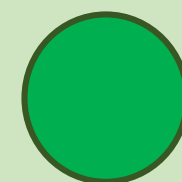
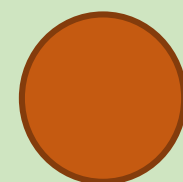
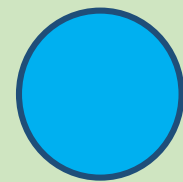
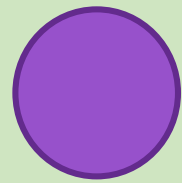
*Early Idea: More stringent health standards considered before issuing new permits in the most impacted communities*

**Jul/Aug 2019**

Meetings with communities

**Beginning April 2020**

Community workshops on draft rule



**Nov 2019**

Community-focused workshops

**Fall/Winter 2020**

Adopt new rule

# Richmond Clean Transportation Funding

Clean Cars	EV Infrastructure	Trucks, Buses, Locomotives, Marine Vessels, etc.
Since April 2019 \$69,000	Since 2016 \$159,000	Since 2014 \$5+ million
Additional Available \$8 million	Additional Available \$5 million/year	Additional Available \$50 million