

**Regulation 11, Rule 18: Reduction of Risk from Air Toxic Emissions at Existing Facilities  
Draft Rule and Staff Report to be issued in Mid-October of 2016**

1. Draft Rule 11-18 Background
  - a. Proposed to ensure that emissions of TACs from existing facilities do not pose an unacceptable health risk to people living and working nearby.
  - b. Incorporates recently adopted (2015) Risk Management Guidelines and health risk values from Office of Environmental Health Hazard Assessment
  - c. Air District Staff estimates that up to 1,000 facilities will be impacted by this rule.
2. Administrative Procedures
  - a. Air District Staff will conduct a site-specific Health Risk Screening Analysis for all facilities that report TAC emissions, and calculate cancer and non-cancer prioritization scores based on:
    - i. Amount of TAC's emitted
    - ii. Toxicity of pollutants
    - iii. Proximity of facility to potential receptors
  - b. Air District Staff will conduct health risk assessments for all facilities with a cancer risk prioritization score (PS) equal to or greater than 10 and all facilities with a non-cancer prioritization score equal to or greater than 1.0.
3. Four-phased approach to implementation: All facilities with cancer risk in excess of 10 in a million or acute hazard index greater than 1.0 must:
  - i. Reduce risk below 10 in a million and hazard index below 1.0; or
  - ii. Install Best Available Retrofit Control Technology for Toxic Pollutants (TBARCT) on all significant sources of TACs

**Implementation Phases**

Phase	Criterion	HRAs	Risk Reduction Plans	Plan Implementation
1	PS > 250	2017 – 2018	2018 – 2019	2019 – 2022
2	PS > 10	2019 – 2021	2021 – 2022	2022 – 2025
3	Diesel IC Engines	2021 – 2023	2023 – 2024	2024 – 2027
4	Retail Gas Stations	2023 – 2024	2024 – 2025	2025 – 2028

4. Origin of Rule Development Effort
  - a. In response to concerns raised by Bay Area residents concerned about environmental and health impacts of air pollutant (GHG, criteria and TAC) emissions from Petroleum Refineries the Board of Directors instructed staff to bring forward two rules for their consideration by May 2017:
    - i. Rule 12-16: Petroleum Refining Facility-Wide Emissions Limits
    - ii. Rule 11-18: Reduction of Risk from Air Toxic Emissions at Existing Facilities
  - b. Staff is preparing a single EIR to cover both Rules
    - i. To ensure that potential environmental impacts of both rules are considered and comprehensively addressed
    - ii. BOD intends to consider both rules in the same time frame
    - iii. EIR Scoping Meeting in November 2016
  - c. Rules 12-16 and 11-18 are functionally independent of one another
    - i. Different Scope (refinery only vs all Bay Area facilities)
    - ii. Adoption of one is not dependent on adoption of the other