

Air Quality Update

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NEW SUBSTANCES PROPOSED TO BE ADDED TO AB 2588

The California Air Resources Board (CARB) is in the process of amending the Assembly Bill (AB) 2588 Air Toxics “Hot Spots” Emission Inventory Criteria and Guidelines (EICG) and is soliciting support from the Scientific Review Panel (SRP) in reviewing proposed updates to the chemical substances list in Appendix A of the regulation. The proposed Appendix A-I to A-III list of toxic air contaminants (TACs) includes over 800 new substances. The SRP’s review of this list will provide instructive feedback to CARB as they move forward with revisions to the EICG. Appendix A was last updated in 2007.

The Air Toxics “Hot Spots” Information and Assessment Act of 1987 (AB 2588) was enacted in September 1987. Under this regulation, stationary sources are required to report the types and quantities of toxic substances their facilities routinely release into the air. Emissions of interest include those that result from the routine operation of a facility or that are predictable, including but not limited to continuous and intermittent releases and process upsets or leaks.

The goals of AB 2588 are to collect emissions data, to identify facilities having localized impacts, to ascertain health risks, and to notify nearby residents of significant risks. In September 1992, the “Hot Spots” Act was amended by Senate Bill (SB) 1731 to address the reduction of significant risks. The bill requires that owners of significant risk facilities reduce their risks below the level of significance.

The current Appendix A list of TACs is broken up into three categories (I, II,

and III) and a subcategory (carcinogen). Category I is required to be quantified, Category II is required to be reported if produced, used, or present, and Category III need not be reported unless manufactured. Aside from the new substances, the proposed Appendix A has the same three categories with the same requirements. The new list, however, would have eight subcategories:

- Carcinogens;
- Developmental and reproductive toxicants;
- Pesticides;
- Metals;
- Other inorganics;
- Pharmaceuticals;
- Neurotoxins; and
- “Other,” which includes chemicals with diverse health effects.

The proposed EICG will provide direction and criteria to facilities on how to compile and submit air toxics emissions data as required under CARB’s “Hot Spots” program. Under the current and the new EICG, air districts determine the methodology that industries are required to use to report TACs. Generally, TACs must be reported to the air district or updated every 4 years, at which time the air district “prioritizes” an emitter; if the priority is high, then the emitter must quantify the air toxics emissions and may be required to perform a health risk assessment (HRA). Once CARB approves the new Appendix A list, a facility that knows it manufactures or emits any of these substances must report it in its air toxics report to the air district.

For more information on the proposed amendments, visit CARB’s website at: <https://ww3.arb.ca.gov/ab2588/2588guid.htm>

Air Quality Tip

As of January 1, 2020, if you receive a CARB Non-Compliant Vehicle Warning on your Department of Motor Vehicles (DMV) Vehicle Registration Notice, your vehicle has been identified as non-compliant with CARB’s Truck & Bus Regulation, and the DMV will no longer register that vehicle. Be sure to check your vehicle’s applicability and compliance requirements to stay on the road!

Upcoming Training Offered by Yorke Engineering

- Bay Area Air Quality Regulations, Permitting, and Compliance Seminar: April 21 – April 22, 2020
- California Multi-Media Environmental Regulations: Permitting, Compliance, and Reporting Seminar: April 28 – April 29, 2020
<http://yorkeengr.com/classes>

Upcoming Due Dates for 2020*

- CARB On-Road TRUCRS Reporting for Flexibility Options..... 1/31
- CARB Off-Road DOORS Reporting for All Fleets 3/1
- CARB PERP Reporting: Units, Low-Use, and Large Fleet Average 3/1
- CARB Refrigerant Reporting for Medium/Large Systems (≥ 200 lbs) 3/1
- CARB GHG Reporting for Semiconductor Operations 3/1
- U.S. EPA GHG Report 3/31
- CARB GHG > 25K Metric Tons 4/10
- CARB GHG 10-25K Metric Tons and All Electric Retailers 6/1
- CARB GHG SF₆ Switchgear 6/1
- CARB LSI DOORS Reporting for Medium and Large Fleets..... 6/30
- Semi-Annual Title V Report Semi-Annually
- Annual Title V Compliance Certification Annually
- Title V – Application for Permit Renewal – Due 180 Days Prior to Permit Expiration

**All due dates listed are the statutory dates; sometimes dates are extended when they fall on a weekend/holiday.*

AB 617 UPDATE: WEST OAKLAND COMMUNITY ACTION PLAN APPROVED

In October 2019, the West Oakland Community Action Plan was unanimously approved by the Bay Area Air Quality Management District (BAAQMD) Board of Directors, an important milestone for AB 617, which focuses on improving air quality in communities with a “high cumulative exposure burden.” The strategy for air quality improvement focuses on a reduction in diesel particulate matter and particulate matter less than 10 and 2.5 microns in size (PM₁₀ and PM_{2.5}).

The Action Plan sets milestones for years 2025 and 2030, and reductions target Port of Oakland activities and road dust from surface streets. However, the Action Plan’s implementation strategy also includes regulatory actions beginning in 2020 from CARB and the BAAQMD for other businesses. CARB has committed to further develop requirements in 2020 for lower-emitting trucks, buses, and cargo handling equipment. According to the Action Plan’s strategy, the BAAQMD will implement new and modified requirements in the coming years, including:

- A new Regulation 13, Rule 4 (Rule 13-4) (Sewage Treatment and Anaerobic Digestion) in 2021;
- More stringent volatile organic compound (VOC) limits for Rule 8-5 (Organic Liquid Storage Tanks) in 2020;
- Development of new regulations on VOC emissions from autobody coating operations beginning in 2023; and
- Amendments to Rule 6-4 (Metal Recycling and Shredding) and Rule 12-13 (Founding and Forging) for PM₁₀ and PM_{2.5} beginning in 2024.

An Action Plan has not yet been developed for the other AB 617 community

AB617 West Oakland Community
BAAQMD - WOEIP, 2018



Figure 2-1. *Owning Our Air: The West Oakland Community Action Plan Location and Area Boundary*

within the BAAQMD, the Richmond-San Pablo area.

For more information, visit:
<https://www.baaqmd.gov/community-health/community-health-protection-program/west-oakland-community-action-plan>

UPDATE ON RULE 11-18: PHASE 1 UNDERWAY

The BAAQMD has a number of programs that support the goals and intent of AB 617. These programs include Regulation 11, Rule 18: Reduction of Risk from Air Toxic Emissions at Existing Facilities (Rule 11-18), which was adopted late in 2017. The regulation’s purpose is to reduce emissions of TACs.

To date, the BAAQMD has sent out letters to 43 “Phase 1” facilities requesting validation of emissions sources and toxics emissions inventory data. These

facilities are allowed up to 120 days for correcting and resubmitting toxics emissions inventory data.

On January 1, 2020, the Rule 11-18 risk action levels decreased from 25 per million to 10 per million. Facilities with HRA results greater than 10 per million will eventually be required to submit Risk Reduction Plans (see Rule 11-18 implementation plan, first link below). On CARB’s AB 617 potential reporting list (available through the second link below), the BAAQMD has included 206 “high priority” facilities identified based on toxics emissions.

http://www.baaqmd.gov/~media/files/board-of-directors/2019/ssc_presentations_031819-pdf.pdf?la=en

<https://ww2.arb.ca.gov/our-work/programs/criteria-pollutant-and-toxics-emissions-reporting/potential-facilities-subject>

Yorke Engineering, LLC specializes in air quality and environmental consulting for stationary and mobile sources, including dispersion modeling, health risk assessments, permitting, emission inventories, air quality compliance systems, etc. Yorke Engineering has assisted over 1,050 customers, including a wide variety of industrial facilities and government organizations throughout California.