

## Attachment D

### Existing Emissions Inventories

The proposed rule seeks to establish an additional annual emissions inventory for Criteria Pollutants, Toxics and Greenhouse Gases. This document summarizes existing emissions inventories and reporting which already provide the essential data in publicly available formats.

<b>Existing Emissions Inventory or Report(s)</b>	<b>Criteria Pollutants</b>	<b>Toxics</b>	<b>Greenhouse Gases</b>
EPA Toxic Release Inventory		Annual TRI inventories	
CARB GHG		AB2588 “Hot Spots”	Annual GHG
EPA GHG			Annual GHG
BAAQMD TAC		Annual report	
BAAQMD Permit to Operate	BAAQMD Annual Update		NSR Permit Process
EPA Information Collection Request	ICR 2011 for 2010 data	ICR 2011 for 2010 data	
Title V Compliance Assurance Reporting	Quarterly and Annual Source specific reports		

### **EPA Toxic Release Inventory (TRI)**

<http://www.epa.gov/tri/tridata/index.html>

This publicly available inventory is updated annually for all hazardous substances included in the TRI program. Data include releases to air (including events/accidents), releases to water, and the off-site transfer of waste materials (even if recycled or recovered). The TRI database is easily searchable and can generate reports on releases, transfers, and waste managed with comparisons across facilities, chemicals, geographical areas, industries (NAICS codes) or reporting years.

### **CARB Greenhouse Gas Inventory (California only, different methodology than EPA)**

<http://www.arb.ca.gov/cc/inventory/inventory.htm>

- ▶ [Query the inventory by economic sector and/or by activity](#). This interactive query tool allows you to select a subset of the inventory in a table, view it or download it to your computer, find out how each of the emissions values was estimated, and plot the data. More details on the [query tools help page](#).

### **EPA Greenhouse Gas Inventory (Federal – all states, different methodology than CARB)**

<http://www.epa.gov/ghgreporting/ghgdata/index.html>

Comprehensive greenhouse gas (GHG) data reported directly to EPA from across the country are now easily accessible to the public through EPA’s GHG Reporting Program (GHGRP). The 2010 GHGRP data set includes public information from facilities in nine industry groups that directly emit large quantities of GHGs, as well as suppliers of certain fossil fuels.

## **BAAQMD Toxic Air Contaminant Control program Annual Report**

<http://baaqmd.gov/Divisions/Engineering/Air-Toxics/Toxic-Air-Contaminant-Control-Program-Annual-Report.aspx>

The Toxic Air Contaminant Control Program Annual report is published to provide the public with information regarding the Bay Area Air Quality Control District's programs to reduce ambient concentrations of toxic air contaminants (TACs). The report summarizes the status of the programs that are used to identify and control TACs from stationary sources (Volume I), and contains summaries of the TAC emissions inventory and ambient monitoring network (Volume II). Currently 2009 data are available.

BAAQMD Emission Inventory Summary report (currently 2008 data with projected trends through 2025). The report shows data for the entire air shed including mobile sources, consumer products, refineries and other industrial.

## **BAAQMD Permit to Operate**

The BAAQMD PTO is updated annually with input from the permit holder such as throughput, CEMs data, fuel consumed. Estimated emissions for the Criteria Pollutants are the basis for PTO fees assessed annually. A partial list of toxics is also included in the BAAQMD's PTO summary. These data serve as input to the BAAQMD Annual Report above.

## **Specialized Inventories**

### **TSCA – Toxic Substances Control Act of 1976**

<http://www.epa.gov/enviro/facts/tsca/>

The Toxic Substances Control Act of 1976 provides EPA with authority to require reporting, record-keeping and testing requirements, and restrictions relating to chemical substances and/or mixtures. Certain substances are generally excluded from TSCA, including, among others, food, drugs, cosmetics and pesticides. TSCA addresses the production, importation, use, and disposal of specific chemicals including polychlorinated biphenyls (PCBs), asbestos, radon and lead-based paint. Read more about [TSCA](#). You may use the [TSCA Search](#) to retrieve select toxic substance data from the TSCA database.

### **EPA ICR – Information Collection Rule/Request**

<https://refineryicr.rti.org/>

Initiated March 30, 2011: Information Collection Request for Number 2411.01; NSPS and NESHAP for Petroleum Refineries Residual Risk and Technology Review (pursuant to section 114 of the Clean Air Act). This national effort was an extensive data request required an exacting emissions inventory, sampling and analysis of crude oil “feed”, confirmatory emissions testing (“source tests”) and definition of the processing units at each facility. The emissions inventory protocol was similar, but not identical to, the TRI methodology. These data are not yet public, but they are expected to be as part of Residual Risk rulemaking.

### **BAAQMD Title V Compliance Assurance Reporting**

Many Title V permit conditions obligate the facility to provide monthly, quarterly and annual reports of emissions monitoring data and emissions inventories to demonstrate compliance with emissions limits granted by Regulation 2 and included in the permit. These reports number in the dozens.