



**El Dorado County
Air Quality
Management
District**

**EL DORADO COUNTY
AIR QUALITY MANAGEMENT DISTRICT**

2023 ANNUAL REPORT

ON THE

**AIR TOXICS “HOT SPOTS” INFORMATION &
ASSESSMENT ACT**

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Executive Summary

Various activities in our daily lives release pollutants into the air, impacting its quality and potentially affecting our health. These pollutants originate from sources such as vehicles, power plants, and industrial facilities, emitting substances like nitrogen oxides and benzene, which can pose health risks.

Understanding the significance of controlling these emissions, the El Dorado County Air Quality Management District (District) administers programs like the Air Toxics “Hot Spots” Information and Assessment Act (AB 2588). Under AB 2588, the District works with facilities to quantify air toxics emissions, assesses the health risks posed by these emissions, reports emissions, and takes necessary measures to mitigate such risks.

Facilities covered by AB 2588 include both large and small sources of emissions. The District publishes annual reports to inform the public about its efforts to control and reduce toxic air emissions. These reports are available online and shared with authorities and the public to ensure transparency and awareness.

AB 2588 Evaluation Process

Toxic Emission Inventory Plans and Reports

Under this act, facilities prepare Toxic Emission Inventory Plans and Reports to establish site-specific air emissions inventories. These plans provide a framework and method for calculating toxic emissions from all stationary sources within the facility, whether permitted or not. Before quantifying emissions, the District reviews and approves these plans. Reports encompass computations of the facility's toxic emissions, employing site-specific process rates and emission factors to facilitate the prioritization of air toxic emissions from the facility.

Prioritization

AB 2588 mandates air districts to prioritize facilities to ascertain their status within the program. In determining priorities, air districts are required to take into account the potency, toxicity, quantity, and volume of hazardous materials released from the facility, as well as its proximity to potential receptors and any other factors deemed relevant by the district indicating potential significant health risks posed by the facility. The District employs the prioritization methodology delineated in the California Air Pollution Control Officers Association (CAPCOA) Facility Prioritization Guidelines to rank facilities under AB 2588, utilizing the facility's approved Plan and Report as referenced in Table 1.

Table 1: AB 2588 Prioritization Thresholds and Categories

Prioritization Thresholds	Priority Category	Category Requirements
≤ 1	Low Priority	The facility is conditionally exempt from further AB 2588 requirements
>1 and ≤ 10	Intermediate Priority	The facility is required to provide an update summary on a quadrennial basis
> 10	High Priority	The facility is required to perform a Health Risk Assessment

Health Risk Assessment

Facilities designated as “High” priority must conduct a Health Risk Assessment (HRA) to evaluate whether their toxic emissions are likely to pose a significant risk to nearby residents and workers. Under AB 2588, both the District and the Office of Environmental Health Hazard Assessment (OEHHA) review each HRA. HRAs conducted within the program must adhere to the methodologies and procedures outlined in District guidelines and OEHHA’s 2015 Air Toxic Hot Spots Program “Guidance Manual for Preparation of Health Risk Assessments.” A facility’s standing within the program is determined based on established health risk thresholds, as referenced in Table 2:

Table 2: AB 2588 Health Risk Assessment Thresholds

Health Risk Thresholds	Risk Category
Cancer risk < 1 in a million, and Total hazard index of < 0.1	Low Risk
$1 \leq$ Cancer risk <10 in a million, or $0.1 \leq$ Total hazard index ≤ 1.0	Intermediate Risk
Cancer risk > 100 in a million, or Total hazard index of > 10.0	Risk Reduction

Update Summary Facilities

Intermediate Priority and Intermediate Risk facilities are subject to a four-year update summary reporting procedure; these facilities are required to provide their annual activity and associated emissions inventory. This provides the District with updated facility data and assesses whether any operational alterations might impact the facility's health risk status under the program. It's imperative to emphasize that any facility changes necessitating a District permit or permit modification must gain District approval before implementation.

Industrywide and Small Single Source Facilities

According to the state's regulations, certain smaller commercial facilities fall under a streamlined assessment process known as "industrywide" assessment. These facilities, such as gasoline dispensing facilities, dry cleaning operations, and automotive coating facilities, are characterized by easily calculable and generic air toxics emissions at the individual facility Level.

Gasoline Service Station Industrywide Risk Assessment Guidance

To support air districts in fulfilling their obligations under AB 2588 regarding Gasoline Dispensing Facilities (GDF), CARB and the California Air Pollution Control Officers Association (CAPCOA) collaborated to develop an updated standardized Gasoline Service Station Industrywide Risk Assessment Guidance in 2022. This guidance furnishes a structured approach for air districts to assess public health risks associated with GDFs, replacing the outdated 1997 Gasoline Service Station Industrywide Risk Assessment Guidelines previously utilized for health risk evaluations. The 2022 technical guidance incorporates new health risk methodologies, updated emission factors specific to gas stations, and updated information regarding the toxic chemicals in gasoline. Given the substantial changes in methodology and the statewide initiative to evaluate GDFs under AB 2588, the District recently assessed permitted GDF facilities in El Dorado County, utilizing the maximum allowable permitted gallonage in the assessment. A detailed list of the facilities evaluated and their current status under AB 2588 can be found in Appendix C.

Air Toxics Hot Spot Assessments Summary

The District has finalized 77 AB 2588 facility assessments from 2019 - 2023. Table 3 below identifies the number of facilities assessed through a prioritization analysis (after completion of a Plan and Report), applicability exemption determination, or a health risk assessment (after completion of a prioritization).

Table 3: Summary of Facilities Assessed Under AB 2588

AB 2588 Category	Number of Facilities Assessed in 2023
Low/Exempt Priority	32
Low/Exempt Risk	0
Intermediate Priority	43

Intermediate Risk	0
High Priority	2
Public Notification	0
Total	77

Appendices

Appendix A: Facilities Assessed Under AB 2588 in 2023

Appendix B: Update Summary Facilities Evaluated

Appendix C: Gasoline Dispensing Facilities Evaluated

Appendix D: AB 2588 District Implementation Flow Chart

Appendix A. Facilities Assessed under AB 2588 in 2023

Appendix A includes a detailed list of the facilities assessed under AB 2588 in 2023.

Table A1. Facilities Prioritized in 2023

Facility ID	Facility Name	City	Carcinogenic Score	Non-Carcinogenic Score	Prioritization Category
285	Barton Memorial Hospital	South Lake Tahoe	92.3	0.2	High

Table A2. Facilities with Health Risk Assessments Approved in 2023

Facility ID	Facility Name	City	Cancer Score	Acute Score	Risk Category
450	ITW Rippey Corporation	El Dorado Hills	1.11E-06	11.3	High

Appendix B. Update Summary Facilities Evaluated

Appendix B includes facilities that were re-evaluated as an update summary project.

Table B1. Facilities with Assessed AB 2588 Prioritization Scores

Facility ID	Facility Name	City	Carcinogenic Score	Non-Carcinogenic Score	Prioritization Category
21	EID El Dorado Hills WWTP	El Dorado Hills	0.027	4.18	Intermediate
448	Green Valley Mortuary	Placerville	1.022	3.81	Intermediate
1	Marshall Medical	Placerville	18.8	1.3	High
450	ITW Rippey Corporation	El Dorado Hills	45	45	High

Table B2. Facilities with Health Risk Assessments Performed

Facility ID	Facility Name	City	Cancer Score	Acute Score	Risk Category
1	Marshall Medical	Placerville	2.52E-06	0.0004	Intermediate

Appendix C.

Gasoline Dispensing Facilities Evaluated

Table C1. Gasoline Dispensing Facilities Evaluated Toxic Emissions Summary

Facility Name	City	Carcinogenic Score	Non-Carcinogenic Score	Prioritization Category
SPEEDWAY NO. 1495	PLACERVILLE	1.60	0.58	Intermediate
KB CAMINO	CAMINO	0.39	0.55	Low/Exempt
VINEYARD MARKET	CAMERON PARK	0.76	0.56	Low/Exempt
FALLEN LEAF MARINA	SO LAKE TAHOE	0.22	0.01	Low/Exempt
SAFEWAY #1724	PLACERVILLE	8.36	0.70	Intermediate
SKI RUN MARINA	SO LAKE TAHOE	3.21	0.17	Intermediate
GREEN VALLEY FOOD & FUEL	EL DORADO HILLS	2.01	0.58	Intermediate
ROBINSON ENTERPRISES INC	GEORGETOWN	1.17	0.57	Intermediate
FUEL 4 LESS	PLACERVILLE	1.67	0.57	Intermediate
KIRKWOOD STATION	KIRKWOOD	2.23	0.12	Intermediate
SOUTH TAHOE CHEVRON	SO LAKE TAHOE	0.39	0.55	Low/Exempt
CAMP RICHARDSON RESORT	SO LAKE TAHOE	0.47	0.02	Low/Exempt
TAHOE ROADRUNNER	SO LAKE TAHOE	0.84	0.56	Low/Exempt
AMERICAN GASOLINE	SO LAKE TAHOE	0.50	0.55	Low/Exempt
BONFARE MARKETS #46	DIAMOND SPRINGS	1.67	0.58	Intermediate
FRESH POND PETRO INC	POLLOCK PINES	0.10	0.14	Low/Exempt
SAFEWAY #2683	EL DORADO HILLS	6.42	0.70	Intermediate
ARCO AM/PM MINI MARKET	CAMERON PARK	5.14	0.67	Intermediate
SHELL AT PLACERVILLE	PLACERVILLE	1.28	0.58	Intermediate
SHELL CRYSTAL VIEW STATION	POLLOCK PINES	1.16	0.57	Intermediate
QUIK STOP MARKET #161	DIAMOND SPRINGS	2.77	0.61	Intermediate
H&S ENERGY #3064	SO LAKE TAHOE	1.22	0.57	Intermediate
LIQUOR SHACK	SO LAKE TAHOE	0.50	0.55	Low/Exempt
ROCKET #7237	SHINGLE SPRINGS	3.85	0.64	Intermediate
H&S ENERGY #3073	CAMERON PARK	1.99	0.59	Intermediate
AISLE 1 #2177	SO LAKE TAHOE	4.60	0.63	Intermediate
TAHOE PETROLEUM	SO LAKE TAHOE	0.39	0.55	Low/Exempt
SEERAT INC AMERICAN GAS	SO LAKE TAHOE	0.50	0.55	Low/Exempt
CHEVRON WINE COUNTRY STATION	CAMINO	0.64	0.56	Low/Exempt

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PLACERVILLE CHEVRON	PLACERVILLE	0.54	0.56	Low/Exempt
HANGTOWN FUEL STOP	PLACERVILLE	0.50	0.55	Low/Exempt
EDH - 76	EL DORADO HILLS	1.60	0.58	Intermediate
SAFEWAY #1824 FUEL CENTER	SO LAKE TAHOE	5.14	0.67	Intermediate
U.S. GASOLINE	SO LAKE TAHOE	0.50	0.55	Low/Exempt
CAMERON PARK CHEVRON	CAMERON PARK	2.12	0.60	Intermediate
GREEN VALLEY CONVENIENCE CENTER	EL DORADO HILLS	5.02	0.64	Intermediate
MOTHER LODE MINI MART	PLACERVILLE	0.51	0.55	Low/Exempt
KWIK SERV	CAMERON PARK	1.60	0.58	Intermediate
SAFEWAY #0748 FUEL CENTER	EL DORADO HILLS	3.08	0.62	Intermediate
AVORY'S 13 MILE POST	POLLOCK PINES	0.96	0.57	Low/Exempt
HASSAN #1006	CAMERON PARK	3.21	0.62	Intermediate
7-ELEVEN #42085	PLACERVILLE	1.25	0.57	Intermediate
PLACERVILLE VALERO	PLACERVILLE	1.67	0.58	Intermediate
KWIK SERV	PLACERVILLE	3.34	0.61	Intermediate
CAMERON PARK SINCLAIR	CAMERON PARK	2.51	0.59	Intermediate
H&S ENERGY #3032	DIAMOND SPRINGS	1.59	0.57	Intermediate
HUNT & SONS	SHINGLE SPRINGS	0.50	0.55	Low/Exempt
SILVER FORK STORE	KYBURZ	0.50	0.55	Low/Exempt
RIVERSIDE MINI MART	LOTUS	0.50	0.55	Low/Exempt
7-ELEVEN #42084	COOL	0.92	0.56	Low/Exempt
VP RACING FUELS	PLACERVILLE	0.96	0.57	Low/Exempt
GOLD HARVEST MARKET	SHINGLE SPRINGS	0.96	0.57	Low/Exempt
CAMERON PARK AIRPORT DISTRICT	CAMERON PARK	0.18	0.59	Low/Exempt
ROCKET #7966	CAMERON PARK	0.96	0.57	Low/Exempt
JIFFY MART	DIAMOND SPRINGS	1.84	0.57	Intermediate
SEERAT INC SWISS MART	SO LAKE TAHOE	0.80	0.56	Low/Exempt
MT AUKUM GENERAL STORE	MT. AUKUM	0.02	0.02	Low/Exempt
13 FUEL & FOOD	CAMINO	0.51	0.55	Low/Exempt
PLEASANT VALLEY CHEVRON	PLACERVILLE	0.50	0.55	Low/Exempt
7-ELEVEN #42031	GARDEN VALLEY	0.50	0.55	Low/Exempt
GRAYS MART & GAS	SOMERSET	0.39	0.55	Low/Exempt
SLY PARK RESORT	POLLOCK PINES	0.42	0.55	Low/Exempt
CAMP RICHARDSON RESORT	SO LAKE TAHOE	2.23	0.12	Intermediate
EDH - SHELL	EL DORADO HILLS	2.57	0.61	Intermediate

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7-ELEVEN #41230	EL DORADO HILLS	4.01	0.62	Intermediate
KB TAHOE	SO LAKE TAHOE	1.93	0.59	Intermediate
EDH - VALERO	EL DORADO HILLS	1.60	0.58	Intermediate
TAHOE KEYS MARINA	SO LAKE TAHOE	2.69	0.14	Intermediate
RANCHO CONVENIENCE CENTER	PLACERVILLE	2.89	0.61	Intermediate
HUNT & SONS	PLACERVILLE	2.21	0.12	Intermediate
FLYERS #751	SO LAKE TAHOE	3.12	0.17	Intermediate
DAWSON OIL CARDLOCK	DIAMOND SPRINGS	4.36	0.23	Intermediate

Appendix D. AB 2588 District Implementation Flow Chart



