

ANTELOPE VALLEY AIR QUALITY MANAGEMENT DISTRICT

AIR TOXICS “HOT SPOTS” PROGRAM GENERAL PROCEDURES

INTRODUCTION

The Air Toxics “Hot Spots” Information and Assessment Act of 1987 (“Hot Spots” Act) was adopted by the California Legislature and signed by the Governor in response to public concern about the release of toxic chemicals to the ambient air. Prior to enactment of the “Hot Spots” Act, little information was available to assess the types, quantities, or health impacts of toxic chemicals routinely released to the ambient air in California. The “Hot Spots” Act addresses only routine or predictable releases and not releases due to unpredictable or catastrophic events. The “Hot Spots” Act has been amended several times since its original adoption. The “Hot Spots” Act, as amended, establishes a multi-component Air Toxic “Hot Spots” Program.

The “Hot Spots” Act was amended in 1993 with respect to the update requirement. Prior to these amendments, biannual updates were required in order to address changes to any component of the Air Toxic “Hot Spots” Program. A result of the 1993 amendments an update is now required only every four (4) years.

Since the Antelope Valley Air Quality Management District (District) and the California Air Resources Board (CARB) will be combining the criteria and toxic inventory into a single comprehensive emission inventory, the Toxic Emission Inventory Plan (TEIP) and the Toxic Emission Inventory Report (TEIR) will cover both toxic and criteria emissions. Also, the comprehensive emission inventory will be used to meet the requirements of the Federal Air Toxic Program (Title III of the 1990 Federal Clean Air Act Amendments) and the Federal Permit Program (Title V). Therefore, facilities will be required to submit throughput data annually for all emitting processes and release points, notwithstanding the 4 year air toxic cycle.

This document outlines the procedures which the District will use to add new facilities to the Air Toxic “Hot Spots” Program and explains how existing facilities will update their air toxic information and documents on a 4 year cycle.

AIR TOXICS “HOT SPOTS” PROGRAM COMPONENTS

The components of the Air Toxics “Hot Spots” Program are as follows:

- 1) Survey - The survey is used by the District to determine if a facility is required to submit a TEIP and TEIR and/or revise their existing reports.

- 2) TEIP & TEIR - For each affected facility, a TEIP must be submitted to the District which sets forth the methods that will be used to determine the amount of toxic and criteria pollutants that are released to the atmosphere from that facility. After the District approves the TEIP, the facility prepares and submits a TEIR in the form and manner stipulated by the District.
- 3) Facility Prioritization Score - Based on toxic emission rates from the TEIR, the distance to the nearest receptor (proximity factor) from the TEIP and potency factors, the District determines a prioritization score for a given facility. Those facilities that receive a Facility Prioritization Score that exceeds the trigger level will have to submit a Health Risk Assessment (HRA).
- 4) Health Risk Assessment (HRA) - A Health Risk Assessment is a calculated estimation of the health risk (impact) of routine air toxic releases. Each affected facility submits a HRA Plan to the District which sets forth the methods that will be used to determine the health risk. After the District approves the HRA Plan, the facility prepares and submits a HRA. The HRA is then reviewed by the District, CARB and/or Office of Environmental Health Hazard Assessment (OEHHA).
- 5) Public Notice - Those facilities whose risk equals or exceeds the a "Significant Health Risk" level will have to notify the public who lives or works in the area of impact of the potential health risk. The facility must first submit a Plan to the District which sets forth the methods that will be used to notify the public. After the District approves the plan, the facility prepares and conducts the Public Notice in association with the District, CARB and/or OEHHA.
- 6) Risk Reduction Audit and Plan (RRA&P) - Those facilities whose health risk equals or exceeds a "Significant Risk" level will have to reduce their health risk below the "Significant Risk" level. Such a facility is required to conduct an audit and submit a plan to the District which sets forth the methods that will be used to reduce their health risk. After the District approves the plan, the facility will then implement their RRA&P.

NEW FACILITIES

In early December of each year, the District will prepare a list of all new facilities that were issued either an Authority to Construct (ATC) and/or Permit to Operate (PTO) in the past year. A New Facility Survey Packet will be mailed on or about December 15th of each year.

A Schedule of each component of the Air Toxic "Hot Spots" Program is provided on page 4 of these procedures.. As new facilities are added, they will be added to the "Group" being mailed that year.

EXISTING FACILITIES

To distribute existing facilities evenly over the 4 year update cycle, the facilities will be divided into 4 groups base upon the type of industry. An Update Survey Packet will be mailed to the facilities on or about December 15th. See the Schedule for each component of the Air Toxic “Hot Spots” Program as provided on the following page.

Existing facilities will be divided into 4 groups as specified below. The years listed are the years that the survey packet will be mailed. They also represent the year for which a TEIR should be prepared:

Group 1 - 1996, 2000, 2004, 2008 etc.

Cement Plants:	SIC = 3241
Metal Mining:	SIC = 10xx
Nonmetallic Mining:	SIC = 14xx
Body Shops:	SIC = 55xx, 75xx, 3341, etc.

Group 2 - 1997, 2001, 2005, 2009 etc.

National Security:	SIC = 9711
Glass Plants:	SIC = 3211
Wood Coaters	SIC = 24xx & 25xx
Printers:	SIC = 27xx
Concrete Plants:	SIC = 327x & 1771
Prisons:	SIC = 92xx
Governmental:	SIC = 91xx & 96xx
Degreasers:	SIC = All
Composite Fibers:	SIC = 30xx & 3732 (fiberglass)

Group 3 - 1998, 2002, 2006, 2010 etc.

Pipelines:	SIC = 46xx, 492x, & 4941
Power Plants:	SIC = 491x & 4339
Asphalt Plants:	SIC = 2951
Transportation Equip:	SIC = 37xx
Irrigation Systems:	SIC = 4971
Waste Water Treatment:	SIC = 4952
Hospitals:	SIC = 80xx
Crematories:	SIC = 7261
Landfills:	SIC = 4952
Agriculture:	SIC = 35xx
Dry Cleaners:	SIC = 721x

Group 4 - 1999, 2003, 2007, 2011 etc.

Chemical Plants:	SIC = 28xx
Mineral Plants:	SIC = 3295
Railroads:	SIC = 4013

Metal Fabricators:	SIC = 344x
Electrical Equip:	SIC = 36xx
Miscellaneous Mfg.:	SIC = 39xx
Bulk Plants:	SIC = 5171
Fuel Dispensing:	SIC = 5541 & 4581
All Others	SIC = All other

SCHEDULE

The time schedule for a toxic inventory cycle will be as set forth below. Time is measured in months from a "zero" date of December 15th.

Mail out of Toxic Survey Questionnaires by December 15. The Survey is due back by February 1. (Time = 1.5 months)

Mail out of TEIP packets by February 28. The TEIP is due back by August 1. (Time = 7.5 months)

District to complete the review of the TEIPs by December 1. (Time = 11.5 months)

Mail out of Toxic TEIR packets by December 15. The TEIR is due back by June 1. (Time = 17.5 months)

District to complete the review of the TEIPs and determine Facility Prioritization Scores by December 1. (Time = 23.5 months)

Mail out of HRA Plan packets to all facilities that receive a "High" Facility Prioritization Scores and to the facilities that received a "Medium" Facility Prioritization Score which are located within 1,000 feet of a sensitive receptor (such as schools, K-12, hospitals, nursing homes, residential care facility etc.) by December 1. The HRA Plan is due back by February 15. (Time = 26 months)

HRA Reports are due to the District by June 1. (Time = 29.5 months)

The District and the OEHHHA complete review of HRA by June 1. (Time = 41.5 months)

The District to notify facilities which equal or exceed a "Significant Health Risk" level that they must prepare a "Public Notice" by July 1. The "Public Notice", including the town (public) meeting, should be completed by April 1. (Time = 51.5 months)

The District to notify facilities which equal or exceed a "Significant Risk" that they must prepare and implement a RRA&P by May 1. The RRA&P is due by November 1. (Time = 58.5 months)

A facility must reduce their health risk below the "Significant Risk" levels within 5 years. Under special conditions a 5 year extension can be granted by the District. (Time = 118.5 to 178.5 months)

NOTE: All facilities will be required to complete a Toxic Survey Questionnaire every 4 years. The Survey will be due on February 1st of every fourth year. (Time = 49.5, 97.5, 145.5 month, etc.)

NOTE :

Per District Counsel request, this procedure will be reformatted to conform with District's Standard Practices format. This format is currently being developed.