Proposed Work Plan for Implementing the OEHHA's Revised Air Toxics Hot Spots Program Risk Assessment Guidelines

SCAQMD Governing Board Meeting March 6, 2015

OEHHA Revised Risk Guidance

- SB 25 required that the special susceptibility of infants and children be considered in assessing the health risks associated with air toxics
- Office of Environmental Health Hazard Assessment (OEHHA) revising Risk Assessment Guidelines
 - Incorporates new studies on childhood sensitivity
 - Incorporates new data on exposure (e.g. breathing rate and time at home)
- Cancer risk estimates for *residential* exposures will increase ~3 times (some cases 6 times higher)
- Cancer risk estimates for worker exposure no substantial change

OEHHA Revised Risk Guidelines Impact On Cancer Risk



No Change Quantification of Facility Emissions – (No Increase in Toxic Emissions)



Revised

Methodology for Estimating Cancer Risk (Childhood sensitivities and breathing rates)



Residential / Sensitive Receptor Cancer Risk (Increased)

Worker Receptor Cancer Risk (Slight Change)

"Umbrella Toxics Rules"

- Rule 1401 Toxic requirements for new and modified permitted sources
- Rule 1401.1 Toxic requirements for new and modified permitted sources near schools
- Rule 1402 Toxic requirements for existing facilities
- Rule 212 Noticing for new and modified permitted sources

SCAQMD's Air Toxics Program



Represents adoption of a stationary source-specific toxic rule

Trends in Cancer Risks Since 1990 (Excludes diesel PM)



Risk Assessment & Risk Management

Risk Assessment

Risk Management

Process

April

2015

March 2015

> • OEHHA Approves Revised Guidelines

 HARP 2* to be Released to Public CARB and CAPCOA Approve Risk Management Guidelines

Air Districts Implement Guidelines

* Hot Spots Assessment Reporting Program 2 (HARP 2) will incorporate new air dispersion model AERMOD and the Revised OEHHA Guidelines.

Affected Programs

Permitting

- Rule 1401 New and Modified Permitted Sources
- Rule 1401.1 New and Relocated Facilities Near Schools

AB2588

- AB2588 Core Facilities
- AB2588 Industry-Wide Facilities
- Rule 1402 Control of Toxic Air Contaminants from Existing Sources

Revised OEHHA Guidance

Public Noticing

- Rule 212 New or modified permits
- AB2588 Facilities

CEQA

- Air Toxics Analysis for
 - Construction Phases
 - Operational Phases

Near-Term Needs

Interim permitting provisions for specific source categories

Amend Rule 1401

- Develop source-specific rules, if needed
- Update supporting materials

Address inconsistencies with Revised OEHHA Guidelines

- Amend Rule 1401 and 1401.1
- Amend Rule 1402
- Amend Rule 212

Implement AB2588 using Revised OEHHA Guidelines

Amend Rule 1402

- Revise Prioritization Procedures
- Revise Public Notification Guidelines

Policy for CEQA Projects

- Develop guidance for CEQA Guidelines
- Implement SCAQMD Lead Agency Projects first



Permitting

- Interim provisions may be needed for specific source categories that cannot meet Rule 1401 risk limits
- Recommendation:
 - Amend Rule 1401 to narrowly provide temporary relief from Revised OEHHA Guidelines for new and modified sources that cannot be permitted, if needed (No backsliding) Schedule: May 2015

Rule Amendments to Address Inconsistencies

- Rules 1401, 1401.1, 1402, and 212 include references based on current health risk guidelines such as exposure duration
- Recommendation:
 - Amend Rules 1401, 1401.1, 1402, and 212 to reference Revised OEHHA
 Guidelines
 Schedule: May 2015

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AB2588

- Health risk assessments required under Toxics Hot Spots Program shall be prepared in accordance with Guidelines established by OEHHA (Health and Safety Code §(b)(2))
 - SCAQMD must use Revised OEHHA Guidelines for HRAs under the Hot Spots Program
- Recommendation:
 - All HRAs not yet approved will be required to use Revised OEHHA Guidelines

AB2588 (Continued)

- Other action items to implement Revised OEHHA Guidelines:
 - Update Supplemental HRA Guidelines for AB2588
 - Revise Prioritization Procedures
 - Revise AB2588 Public Notification Procedures
 Schedule: May 2015

CEQA

- Revised OEHHA Guidelines will affect construction and operational phases, particularly diesel and mobile sources
- SCAQMD's CEQA Handbook references Rule 1401 for risk assessment methodology
- Recommendation:
 - Reference Revised OEHHA Guidelines
 - Develop recommendations for use of Revised OEHHA Guidelines for CEQA Projects (Risk management decisions –Governing Board)
 - Implement SCAQMD Lead agency projects first, then other lead agency projects
 - Schedule: May 2015

Outreach and Communication

- CARB and CAPCOA to develop a statewide outreach and communication effort
- Messaging is important Air toxic emissions have not increased, state has changed how air toxics risks are estimated
- Recommendation:
 - -Initiate public workshops throughout the Basin in March
 - -Conduct individual stakeholder meetings
 - -Develop outreach and communication materials
 - -Continue working with CARB and CAPCOA to develop a statewide outreach and communication effort

General Timeline



OEHHA Approve Revised Guidelines Public Release of HARP2



Approve Risk Management Guidelines



Recommended Action

- Implement enhanced outreach and risk communication activities
- Proceed with development of adjustments to SCAQMD's various programs related to Risk Assessment
- Updates to the Stationary Source Committee during rule development process

