San Diego County
Air Pollution Control District (District)

Public Workshop
Rule 1210 – Toxic Air Contaminant Public Health Risks –
Public Notification and Risk Reduction

August 5, 2021
The California Air Toxics “Hot Spots” Program

- Evaluates public health risks from facilities emitting toxic emissions
- Requires facilities with elevated health risks to conduct public notification and implement risk reduction measures

Rule 1210 was adopted in 1996 to Implement the Hot Spots Program

- Establishes the public notification and risk reduction thresholds and procedures
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>May 2019</td>
<td>Board directed the District to evaluate Rule 1210</td>
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<tr>
<td>Aug. 2019</td>
<td>First Public Workshop</td>
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<td>Jan. 2020</td>
<td>Second Public Workshop</td>
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<td>Mar. 2020</td>
<td>Advisory Committee recommendations</td>
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<td>Jul. 2020</td>
<td>District requested an extension</td>
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## Background
### Existing Public Notification and Risk Reduction Thresholds

<table>
<thead>
<tr>
<th>Health Risk</th>
<th>Public Notification Threshold</th>
<th>Risk Reduction Threshold</th>
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<tbody>
<tr>
<td>Cancer Risk</td>
<td>10 in one million</td>
<td>100 in one million</td>
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<tr>
<td>Acute Noncancer Health Hazard Index</td>
<td>1.0</td>
<td>1.0</td>
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<tr>
<td>Chronic Noncancer Health Hazard Index</td>
<td>1.0</td>
<td>1.0</td>
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<tr>
<td>Cancer Burden</td>
<td>1.0</td>
<td>1.0</td>
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Background
Understanding Cancer Health Risks

Cancer Risk

• Represents the highest health risk for an individual living, working, or attending a school near a stationary source.

• Estimates the likelihood that an individual will develop cancer during his/her lifetime.

• Expresses the probability of occurrence as chances in million.
Understanding Cancer Health Risks

Existing Cancer Risk Threshold in Rule 1210
100 cases in one million people

Cancer risk from breathing current levels of pollutants in California’s ambient air ~
760 cases in one million people

Overall risk of cancer in the general U.S. population ~
250,000 cases in a million people
Background
California Air Districts’ Cancer Risk Reduction Thresholds

Cancer Risk Reduction Threshold
- None
- 10 in 1 Million
- 20 in 1 Million
- 25 in 1 Million
- 100 in 1 Million
- Largest California Air Districts
Rule Proposal

Lowering the Cancer Risk Reduction Threshold from 100-in-1-million to 10-in-1-million

Enhancing Public Notification and Risk Reduction Protocols & Establishing Public Meeting Requirements

Revising the Existing Extension Requirements for Facilities Unable to Reduce Cancer Risk within 5 Years
Rule Proposal
Cancer Risk

Reduce the Cancer Risk Reduction Threshold from 100-in-1 million to 10-in-1 million

• Establish a health-protective limit at which stationary sources would be required to reduce cancer risks
• Reduce the chances of contracting cancer by 10 times
• Align the Public Notification threshold with the Risk Reduction Threshold
• Consistent with 11 other districts that have already implemented a 10 in a million-risk reduction threshold
Rule Proposal
Cancer Risk
Enhancing Public Notification and Risk Reduction Protocols & Establishing Public Meeting Requirements

- Extension would only be considered if reducing health risks are not technically feasible or economically practicable
Rule Proposal
Public Notification Process

1. District Requests a Public Notification Plan
2. Facility Submits a Public Notification Plan
3. District Approves Public Notification Plan
4. Facility Completes Public Notification Plan
5. Submit Proof of Distribution
6. Facility Conducts Public Meeting

45 30 Days
30 15 Days
30 15 Days
15 Days

30 Days
Rule Proposal
Risk Reduction Plans

6 months - 120 Days

District Requests a Risk Reduction Plan

Facility Submits a Risk Reduction Plan
Rule Proposal
Possible Extensions

Extensions for Stationary Sources Unable to Reduce the Cancer Risk within 5 Years

• Extension would only be considered if reducing health risks are not technically feasible or economically practicable
Next Steps

1. Submit written comments by COB August 19, 2021

2. Workshop Report
   - Copy to Workshop attendees and other interested parties

3. Socioeconomic Impact Assessment

4. Consideration of Adoption by the current Governing Board on October 14, 2021
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