

Updates to new and existing facility RALs

Cleaner Air Oregon

REFORMING OREGON'S INDUSTRIAL AIR QUALITY REGULATIONS

Inviting Oregonians to help create new regulations that protect what we all care about: the health of our people, a clean environment, and the economic vitality of our communities.

May 8th, 2018

CleanerAirOregon

Revised RALS

**OAR 340-245-8010 Table 1
Risk Action Levels**

Applicability	Risk Action Level	Excess Cancer Risk per Million	Noncancer Hazard Index
Toxic Emissions Unit	Significant TEU Level	0.1	0.1
Source	Source Permit Level	0.5	0.5
New and Reconstructed Source	Community Engagement Level	5	1
	TLAER Level	10	1
	Permit Denial Level	25	1
Existing Source	Community Engagement Level	25	1
	TBACT Level	50	5
	Risk Reduction Level	200	10
	Immediate Curtailment Level	500	20

← Based on SB-1541 Benchmarks

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← 4x and 2x Benchmarks, set by SB-1541 for TBACT consideration

Risk Action Levels for New Sources

Community engagement RAL states community engagement requirements more explicitly



Director consultation is replaced with clear criteria (TLAER) and a hard cap



Risk Action Level	Excess Cancer Risk per Million	Noncancer Hazard Index
Community Engagement Level	5	1
TLAER Level	10	1
Permit Denial Level	25	1

Risk Action Levels for New Sources

Toxics Lowest Achievable Emissions Rate (TLAER) Level

- Most new facilities must remain below this level
- To be permitted above this level, facilities must use TLAER
- Consistent with SB-1541 benchmarks
- Risk levels consistent with previous director consultation level



Risk Action Level	Excess Cancer Risk per Million	Noncancer Hazard Index
Community Engagement Level	5	1
TLAER Level	10	1
Permit Denial Level	25	1

Defining TLAER

Toxics Lowest Achievable Emissions Rate (TLAER)

- Similar to TBACT
- Unlike TBACT, TLAER does not consider cost



Risk Action Levels for Existing Sources

Community Engagement level

- Community engagement required for facilities with risk above this level.
- Community engagement is not required for facilities below 50 / HI 5 if they voluntarily reduce risk to get below 25 / HI 1



Risk Action Level	Excess Cancer Risk per Million	Noncancer Hazard Index
Community Engagement Level	25	1
TBACT Level	50	5
Risk Reduction Level	200	10
Immediate Curtailment Level	500	20

Risk Action Levels for Existing Sources

Toxics Best Available Control Technology Level (TBACT)

- Facilities must either get below this level -OR- install TBACT
- Consistent with SB-1541 benchmarks
- Benchmarks sunset in 2029



Risk Action Level	Excess Cancer Risk per Million	Noncancer Hazard Index
Community Engagement Level	25	1
TBACT Level	50	5
Risk Reduction Level	200	10
Immediate Curtailment Level	500	20

Risk Action Levels for Existing Sources

Risk Reduction Level

- All facilities must get below this level, regardless of TBACT
- Consistent with 4x and 2x benchmarks allowed for sources with TBACT in SB-1541

Risk Action Level	Excess Cancer Risk per Million	Noncancer Hazard Index
Community Engagement Level	25	1
TBACT Level	50	5
Risk Reduction Level	200	10
Immediate Curtailment Level	500	20

Risk Action Levels for Existing Sources

Immediate Curtailment

- All facilities must be below this level immediately at the time a permit is issued



Risk Action Level	Excess Cancer Risk per Million	Noncancer Hazard Index
Community Engagement Level	25	1
TBACT Level	50	5
Risk Reduction Level	200	10
Immediate Curtailment Level	500	20

Existing Source Benchmarks Sunset

SB-1541 Benchmarks Sunset in 2029

- EQC becomes responsible for setting new benchmarks for existing sources.
- Benchmarks for new sources do not sunset
- Future cancer benchmarks cannot be lower than 25 in a million.

