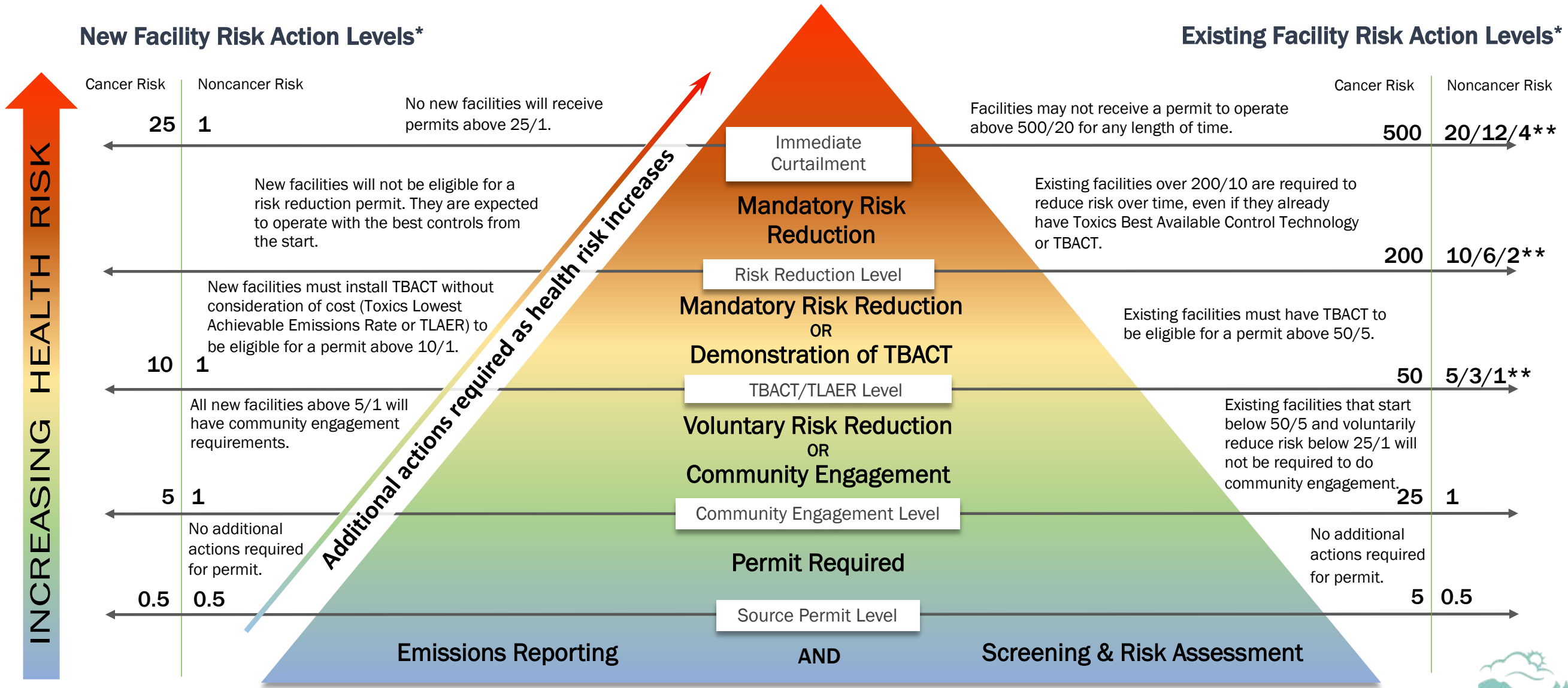


# How Risk Action Levels Work

For Cleaner Air Oregon, facilities would be required to assess potential health risks of emissions to their neighbors. **Risk Action Levels (RALs)** determine the specific actions required of facilities that pose different levels of health risk. Facilities with higher health risks would be required to take more actions to reduce risk and keep their neighbors informed. Risk Action Levels are different for new and existing facilities. The state legislature set statutory benchmark RALs through 2029. After 2029, RALs for existing facilities will be reevaluated.



\*There are separate Risk Action Levels for cancer risk and risk of other health effects because scientists assess and describe these risks differently.

- **Cancer Risk** is described in terms of the number of excess cancer cases in 1 million lifetimes that may be caused by long-term exposure to a specific chemical concentration.
- **Noncancer Risk** is presented as a Hazard Index and is assessed for both chronic and short term health effects (acute). A Hazard Index below 1 means the facility is below the level that is expected to harm health. \*\* The values 1, 2, and 4 represent Risk Determination Ratios as calculated under OAR 340-245-0200(5).

