

How Risk Action Levels Work

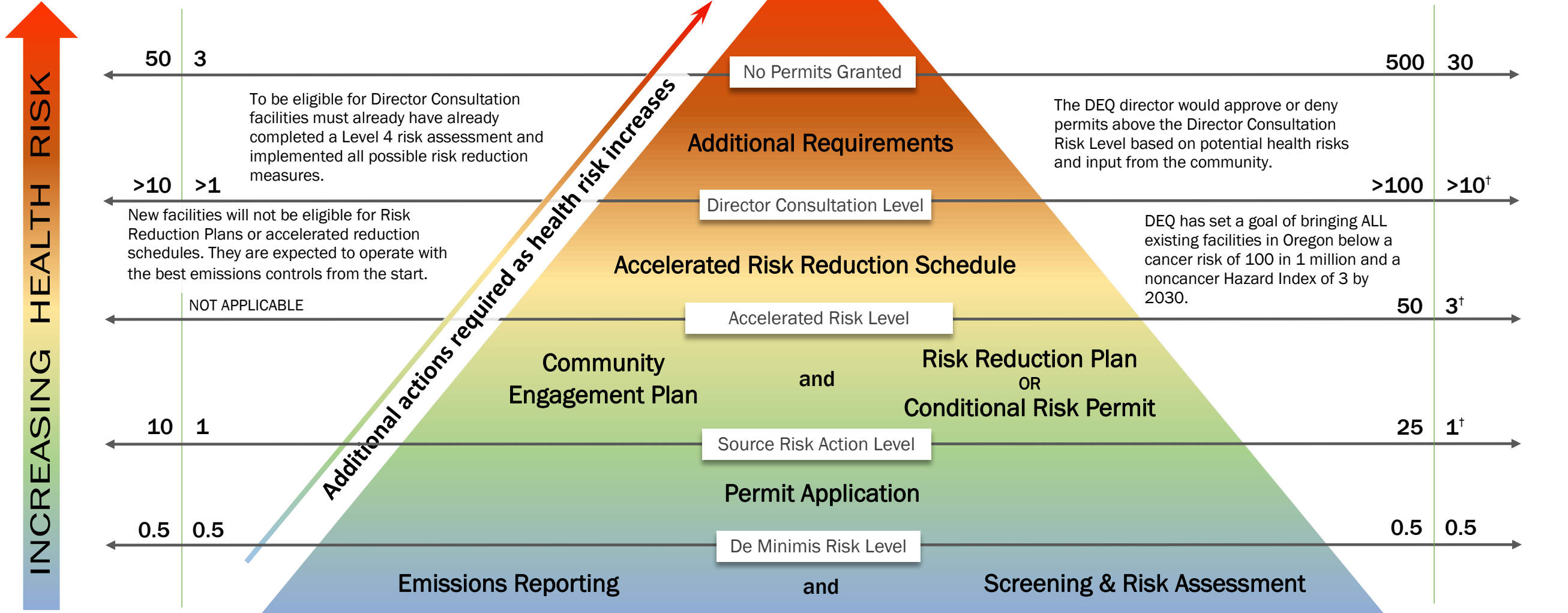
Under Cleaner Air Oregon, facilities would be required to assess potential health risks of emissions to their neighbors. **Risk Action Levels (RALs)** determine the specific actions required of facilities that pose different levels of health risk. Facilities with higher health risks would be required to take more actions to reduce risk and keep their neighbors informed. Risk Action Levels are different for new and existing facilities.

New Facility Risk Action Levels*

Cancer Risk Noncancer Risk

Existing Facility Risk Action Levels*

Cancer Risk Noncancer Risk



*There are separate Risk Action Levels for cancer risk and risk of other health effects because scientists calculate 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 longterm exposure to a specific chemical concentration.
- **Noncancer Risk** is presented as a Hazard Index (the sum of the ratios of chemical concentrations people may be exposed to over the chemical concentrations that are not expected to harm health).

[†]for alternate noncancer RALs approved by DEQ on a case-by-case basis