



NEXT Renewable Fuels Oregon, LLC

Cleaner Air Oregon Health Risk Assessment

Facility Site Description and Activities

As part of the Cleaner Air Oregon process, DEQ required NEXT to conduct a risk assessment to evaluate community health impacts from its facility. NEXT proposes to construct and operate a renewable diesel, naphtha, and jet fuel manufacturing facility in Clatskanie, Oregon. Air pollution emissions are associated with renewable fuel production. DEQ reviewed and approved a health risk assessment, performed by NEXT, for these new emissions. The results are summarized in the following table. To learn more about the risk assessment process through Cleaner Air Oregon, visit cleanerair.oregon.gov.

What is Cleaner Air Oregon?

The Cleaner Air Oregon program requires facilities to evaluate potential health risks from toxic air contaminants to people who live, work, learn, and play near industrial and commercial facilities. New facilities in Oregon must conduct a health risk assessment of their potential air emissions and operate within the health risk-based standards established in Cleaner Air Oregon rules.

How Risk is Determined

Cancer risk: “Cancer risk” is a term that means the number of excess cancer cases in 1 million people that may be caused by long-term exposure to a specific toxic air contaminant concentration.

Noncancer risk: A hazard index represents noncancer risk and compares the total health risk from toxic air contaminants at a facility to the level of those same toxic air contaminants that are not expected to harm health. A hazard index at or below 1 means the facility is below the level that is expected to harm human health.

Risk Type	Facility Risk	Risk Assessment Results and Risk Action Levels
Cancer Risk – added cancer risk per million with 70 years of exposure		
Residential	0.2	Facility Risk is below the Risk Action Level* limit of 10
Non-Residential Child	<0.1	
Non-Residential Worker	<0.1	
Noncancer Risk – Hazard Index		
Annual Exposure-Residential	<0.1	Facility Risk does not exceed the Risk Action Level* limit of 1
Annual Exposure-Non-Residential Child	<0.1	
Annual Exposure-Non-Residential Worker	0.1	
24-Hour Exposure (Acute)	<0.1	

*A facility whose risk does not exceed these limits meets Oregon’s established health-based standards for toxic air contaminants.

Additional Information

- [How Risk Action Levels Work](#)
- [How Agencies Determine What is a Health Risk](#)

Alternate formats

DEQ can provide documents in an alternate format or in a language other than English upon request. Call DEQ at 800-452-4011 or email deqinfo@deq.state.or.us.

Si usted necesita, DEQ puede proveer materiales en formatos alternativos o en lenguajes aparte de inglés. Por favor llame a 800-452-4011 o mande un email a deqinfo@deq.state.or.us.