



State of Oregon
Department of
Environmental
Quality

QTS Investment Properties Hillsboro, LLC Cleaner Air Oregon Health Risk Assessment Results

Facility Site Description and Activities

As part of the Cleaner Air Oregon process, DEQ required QTS Investment Properties Hillsboro, LLC to conduct a risk assessment to evaluate community health impacts from its facility. QTS proposes to install and operate four emergency generators for a data center to be constructed at 4950 NE Huffman Street in Hillsboro. Air pollution emissions are associated with operation of new emergency generators. DEQ reviewed and approved a health risk assessment, performed by QTS, 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.

Risk Type	Facility Risk	Risk Assessment Results
Cancer Risk – added cancer risk per million with a lifetime of exposure		
Residential (e.g. homes near facility)	7	Facility Risk is below the Risk Action Level* limit of 10
Non-Residential Child (e.g. school near facility)	<0.5	
Non-Residential Worker (e.g. office near facility)	1	
Long-Term Noncancer Risk – Hazard Index (less than or equal to 1 is within health standards)		
Annual Exposure Residential (e.g. home)	<0.5	Facility Risk is below the Risk Action Level* limit of 10
Annual Exposure Non-Residential Child (e.g. school)	<0.5	
Annual Exposure Non-Residential Worker (e.g. office)	<0.5	
Short-Term 24-Hour Exposure (acute)	1	Facility Risk is at the Risk Action Level* limit of 1

* DEQ requires risk reduction if risk is above these Risk Action Levels.

What Do These Results Mean?

Anticipated risks from future emissions are low and within health risk standards. Risk was determined by using the closest location to the facility for each risk category.

- **Excess cancer risk is greater than 0.5 in a million and less than 10 in a million.** Permit conditions will be included in the permit to ensure risk does not exceed the facility risk (shown above). The facility will report activities and emissions annually to verify their compliance.
- **The Hazard Index for noncancer chronic risk is less than 1.** This means the facility emissions will be within health standards for this type of risk. No permit conditions are required to manage this kind of risk.
- **The Hazard Index for 24-hour exposure (acute) noncancer risk is equal to 1.** This level is considered within health standards. Since the facility risk is at the Risk Action Level, permit conditions will be included in the permit to ensure risk does not go any higher. The facility will report activities and emissions annually to verify emission levels.

Permit Conditions and Compliance

DEQ is limiting diesel fuel use from this facility so that the facility does not exceed health standards. These conditions require QTS to monitor diesel fuel usage and report this information annually to DEQ. QTS will also be required to calculate daily and annual emissions of chemicals and report on an annual basis to DEQ to ensure risk remains within legal limits.