



# Portable Source Risk Assessment Summary

<b>Facility Name:</b> Stroupe Farm		Operate at 2 locations <ul style="list-style-type: none"> <li>• 24800 NE Boones Ferry Rd, Aurora, OR</li> <li>• 14711 SE Wallace Rd, Dayton, OR</li> </ul>		
<b>Source Description:</b>		Air Curtain Incinerator		
<b>Toxics Emissions Units</b>				
<b>Name</b>	<b>Description</b>	<b>Max. Hourly Throughput<sup>[1]</sup></b>	<b>Max. Daily Throughput<sup>[1]</sup></b>	<b>Max. Annual Throughput<sup>[1]</sup></b>
Air Curtain Incinerator	Carbonator 500	6 tons/hr	30 tons/dy	5,000 tons/yr
Diesel Engine	Cat C4.4	7.6 gal/hr	38 gal/dy	5,320 gal/yr
<b>Risk Assessment</b>				
<b>Level</b>	<b>Model Used</b>	<b>Meteorology</b>	<b>Material Moisture:</b>	
1	ACI Risk Assessment Tool (ODEQ)	Hillsboro	50% dry 50% wet	
<b>Risk Results</b>				
<b>Assessment</b>	<b>Cancer x 10<sup>-6</sup> <sup>[2]</sup></b>	<b>Chronic HI<sup>[2]</sup></b>	<b>Acute HI</b>	
Risk	9	1	1	
<b>Uncertainty Discussion:</b> There is limited information regarding the emissions of toxic air contaminants from air curtain incinerators. DEQ used the best available information at the time of the risk assessment. DEQ believes the assumptions made likely overestimate risk, but may underestimate risk if the emissions factors underestimate emissions from an air curtain incinerator.				
<b>Supporting Information:</b>	ODEQ Air Curtain Incinerator Tool Documentation			
<b>Permit Conditions –Source Risk Limits</b>				
The following source risk limits will be included to ensure risk remains at or below the levels shown above.  The ACI: <ul style="list-style-type: none"> <li>• Can only operate at the two locations used in the risk assessment (shown above)</li> <li>• Must be located on the property at least 170m from the nearest neighbor</li> <li>• Can operate no more than 30 tons/day at either location</li> <li>• Can operate no more than 5,000 tons/year at either location</li> </ul>				

[1] - Based on company estimate

[2] - Based on residential exposure