

Air Discharge Problems in the Region (in order of priority)

Source	Main Contaminants of concern	Potential Effect	Part of Region Affected
Motorised land transport	NO, CO ₂ , CO, SO _x	<ul style="list-style-type: none"> • Potential health effects in congested areas where ambient air quality guidelines are exceeded • General ambient air quality degradation • Contributes to enhanced greenhouse effect 	<ul style="list-style-type: none"> • Congested urban areas (i.e., inner city streets and junctions)
Domestic solid fuel burning	PM ₁₀ , NO ₂ (also SO ₂ , CO, CO ₂)	<ul style="list-style-type: none"> • Potential health effects in localised areas during winter months where ambient air quality guidelines are exceeded 	<ul style="list-style-type: none"> • Parts of Masterton, Lower Hutt, and possibly Karori, Carterton and Greytown
Odorous industries	Odour	<ul style="list-style-type: none"> • Nuisance for nearby residents 	<ul style="list-style-type: none"> • Residential areas near landfills, sewage treatment facilities, water pumping stations, meat rendering, fish processing, trade waste and wastewater treatment. • To a lesser extent, food outlets, industries using solvents, chicken sheds and piggeries can also be a problem.
Dust from dry abrasive blasting, quarries, cement and asphalt manufacturers, trucks, furnishers, subdivision, fertiliser transport and application, sand and bark	Fine particulate	<ul style="list-style-type: none"> • Nuisance 	<ul style="list-style-type: none"> • Residential areas near these industries
*Agrichemical spraying	Spray drift (particulate)	<ul style="list-style-type: none"> • Potential health risks (and nuisance) 	<ul style="list-style-type: none"> • Rural areas, particularly where they neighbour residential areas, e.g., Martinborough, Otaki
School incinerators and outdoor burning	Particulate, smoke	<ul style="list-style-type: none"> • Nuisance 	<ul style="list-style-type: none"> • Neighbouring properties and public areas

*Agrichemical spraying has been included in the problems identified because of community concerns expressed during submissions on the proposed Air Plan. The actual scale of this problem still needs to be assessed