

Table 9.2
Mitigation Measures for Air Quality

Mitigation Measures	Objective	Audit Parameter	Action
Euro III	Reduce vehicle emissions	<ul style="list-style-type: none"> implementation schedule roadside air quality 	<ul style="list-style-type: none"> reassess environmental conditions if implementation schedule is delayed monitor effectiveness by observing trends in roadside air quality
LPG Taxi	Reduce particulates emissions from taxis	<ul style="list-style-type: none"> implementation schedule (2001 -2005) roadside air quality 	<ul style="list-style-type: none"> ensure implementation schedule meets target dates monitor effectiveness by observing trends in roadside air quality
Motorcycle Emissions Control	Reduce pollutant emissions from motorcycles	<ul style="list-style-type: none"> implementation schedule (from end of 1999) 	<ul style="list-style-type: none"> ensure implementation schedule meets target dates
Diesel Catalytic Converters (DCC)#	Reduce pollutant emissions from vehicles	<ul style="list-style-type: none"> target dates and no of vehicles fitted with DCC 	<ul style="list-style-type: none"> ensure progress meets target dates
Particulate Traps (PT)#	Reduce particulate emissions from vehicles	<ul style="list-style-type: none"> target dates and no of vehicles fitted with PT 	<ul style="list-style-type: none"> ensure progress meets target dates
More Frequent Street Cleaning	Reduce prd emissions	<ul style="list-style-type: none"> frequency of street washing roadside air quality 	<ul style="list-style-type: none"> ensure frequencies are met monitor effectiveness by observing trends in roadside air quality
Strengthening of Inspection and Maintenance Programme	Reduce vehicle emissions	<ul style="list-style-type: none"> inspection frequencies no. of failed inspection 	<ul style="list-style-type: none"> expand requirements to other vehicles increase parameters to be tested during inspection
Diesel with low sulphur content/City Diesel (ULSD)#	Reduce vehicle emissions and permit use of DCC	<ul style="list-style-type: none"> target dates for implementation % of diesel sold as ULSD 	<ul style="list-style-type: none"> introduce legislation to replace conventional diesel by ULSD set target dates for implementation
Pedestrianisation	Separate sensitive receivers from vehicle emissions	<ul style="list-style-type: none"> no. of Pedestrianisation Zones target dates for introduction of Pedestrianisation Zones 	<ul style="list-style-type: none"> set target dates for introduction of Pedestrianisation Zones ensure implementation meets target dates
Incentive for scrapping old cars	Replace polluting cars	<ul style="list-style-type: none"> no. of old cars being scrapped 	<ul style="list-style-type: none"> increase incentives monitor the no of old cars being scrapped
Vehicle Restraint Measures	Restrain growth of vehicles	<ul style="list-style-type: none"> no. of vehicles registered per year 	<ul style="list-style-type: none"> set target no of vehicles and implement measures to ensure targets are met
Freight Transport by Rail	Reduce no. of heavy vehicle trips	<ul style="list-style-type: none"> freight movement by goods vehicles freight movement by rail 	<ul style="list-style-type: none"> investigate feasibility of freight rail
LPG for Public Light Buses#	Reduce particulate emissions from PLBs	<ul style="list-style-type: none"> implementation schedule 	<ul style="list-style-type: none"> set implementation schedule ensure schedule is met

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Expand River Trade Terminal (RTT) Operations	Reduce no. of heavy vehicle trips	<ul style="list-style-type: none"> freight movement by goods vehicles freight movement by RTT 	<ul style="list-style-type: none"> investigate feasibility of expanding RTT
Hybrid Vehicles [#]	Replace polluting vehicles	<ul style="list-style-type: none"> no. of operating hybrid vehicles 	<ul style="list-style-type: none"> promote hybrid vehicles when commercially viable
Cycling and Walking paths in all New Towns	Separate sensitive receivers from vehicle emissions	<ul style="list-style-type: none"> length of cycling and walking paths 	<ul style="list-style-type: none"> ensure incorporation of cycling and walking paths in New Towns
Trolley Buses	Eliminate emissions from diesel powered buses	<ul style="list-style-type: none"> no. of trolley buses in service 	<ul style="list-style-type: none"> promote and plan for the introduction of trolley buses where viable
Areas Restrictions	Reduce pollution in hot-spots areas	<ul style="list-style-type: none"> no. of areas being restricted 	<ul style="list-style-type: none"> investigate feasibility of areas restrictions
Limiting Vehicle Fleet Age	Replace polluting cars	<ul style="list-style-type: none"> average vehicle fleet age 	<ul style="list-style-type: none"> incentives for scrapping old cars
Incentives on Environmentally Friendly Vehicles	Replace polluting cars	<ul style="list-style-type: none"> no. of environmentally friendly cars registered 	<ul style="list-style-type: none"> provide incentive for environmentally friendly cars
Electric Vehicle [#]	Replace polluting vehicles	<ul style="list-style-type: none"> no. of operating electric vehicles 	<ul style="list-style-type: none"> promote electric vehicles when commercially viable
[#] : These measures are still under development and will be recommended, after detailed feasibility study, if deemed commercially available in the future.			

Table 9.3
Mitigation Measures for Noise

Mitigation Measures	Objectives	Audit Parameter	Action
More extensive network of rail service	reduce vehicle trips	<ul style="list-style-type: none"> passenger trips via rail vs road transport 	<ul style="list-style-type: none"> promote rail as the primary transportation service provider
Putting new roads underground as far as practicable	separate sensitive receivers from traffic noise	<ul style="list-style-type: none"> number of new roads built underground 	<ul style="list-style-type: none"> promote and plan for underground roads wherever feasible
Pedestrianisation	separate sensitive receivers from traffic noise	<ul style="list-style-type: none"> no of pedestrianisation zones target dates for introduction of pedestrianisation zones 	<ul style="list-style-type: none"> set target dates for introduction of pedestrianisation zones ensure implementation meets target dates
More stringent vehicle noise emission standards	reduce noise emission from individual vehicles	<ul style="list-style-type: none"> the prevailing noise emission standard 	<ul style="list-style-type: none"> introduce the most current emission standards in force in Japan and the European Union Ensure Hong Kong is not lagging behind Japan and the European Union in terms of implementation schedule
Engine encapsulation for heavy vehicles	reduce engine noise from heavy vehicles	<ul style="list-style-type: none"> no of engine encapsulated heavy vehicles 	<ul style="list-style-type: none"> identify the types of heavy vehicles that could be encapsulated introduce legislation to require engine encapsulation of the identified vehicle types
Trolley Buses	provide alternative to buses powered by diesel engines	<ul style="list-style-type: none"> no of trolley buses in service 	<ul style="list-style-type: none"> promote and plan for the introduction of trolley buses where viable