

Enhanced Control Measures of the Hong Kong SAR

Measure	Implementation Programme
Encourage the replacement of diesel light buses with light buses using cleaner fuels	Programme has started since the third quarter of 2002 to provide incentives to encourage early replacement of diesel light buses with ones that are run on liquefied petroleum gas (LPG) or electricity.
Require the retrofitting of particulate removal devices on pre-Euro diesel vehicles	Programme providing financial assistance to retrofit pre-Euro light diesel vehicles with particulate removal devices has been completed and the installation has been made mandatory for those vehicles. Programme providing financial assistance to retrofit pre-Euro heavy diesel vehicles is going on and is expected to complete by end-2004 following which the installation will be made mandatory for those vehicles.
Enhance the vapour recovery systems at petrol filling stations	To introduce proposed legislation into the Legislative Council in 2004 to require the recovery of petrol vapour emitted during vehicle refueling at petrol filling stations.
Tighten the motor fuel standards	To tighten the motor petrol standard to Euro IV by 2005 in parallel with European Union (the motor diesel standard has already been tightened to Euro IV since 2002).
Tighten vehicle emission standards	To tighten the motor vehicle emission standard for newly registered vehicles to Euro IV by 2006 in parallel with the European Union.
Reduce the emission of VOC from printing operations, paints and consumer products	To introduce proposed legislation into the Legislative Council in 2004/2005 to require the labelling of products with VOC contents.

Measure	Implementation Programme
	To introduce proposed legislation into the Legislative Council to reduce the use of products with a high VOC content and to develop VOC emission standards for printing operations.
Reduce emissions from power stations	Set up an effective and flexible mechanism (which may include emissions trading) to control the total emissions of SO ₂ , NOX and RSP from power stations to achieve their respective reduction targets by 2010.

Enhanced Control Measures of Guangdong Province

Measure	Implementation Programme
Use cleaner energy	To achieve by 2005 the energy consumption rate of 0.85 tonne standard coal per 10,000 yuan of GDP. To construct by 2010 an energy production and supply system that is safe, stable, economical, efficient and clean.
	To construct an LNG trunk pipeline and carry out the associated works. To complete in 2005 Phase I that will have a capacity of 3 million tonnes/year. To complete Phase II in 2009 that has a capacity of 3 million tonnes/year and to finish construction of a number of LNG power plants.
	To upgrade by 2005 the 500kV dual circuit annular core transmission grid to cater for the transmission of electricity from western provinces.
Control the sulphur contents of fuels	To restrict use of high sulphur fuels. To limit the sulphur content of the fuel oil and coal used in the acid rain control zone to below 0.8% by 2005.
Reduce emissions from coal-fired and oil-fired power stations	To close down small power generation units. After implementation of this measure, the power generation units of capacity above 300MW will make up more than 70% of the total installed generation capacity of the Region by 2005 – an increase by 35% as compared with 2000.
	To finalise by 2005 plans for installing flue gas desulphurization systems at power plants in Shajiao, Huangpu, Taishan and Zhuhai.
	To require all oil-fired and coal-fired power generation units of capacity above 125MW to be equipped with flue-gas desulphurization systems by 2007.

Control emissions from industrial boilers and industrial processes	To phase out coal-fired boilers of capacity less than 2 tonnes/hour in the urban areas of cities. By 2005, to prohibit the use of coal-fired boilers of capacity below 2 tonnes/hour in the built-up areas of major cities, and to require all large and medium-size industrial boilers to install desulphurization systems or adopt clean combustion technologies to reduce emissions.
	To continue to phase out various production technologies or installations that cause serious pollution by emitting sulphur dioxide, smoke and particulates.
Reduce the emission of VOC from paints	To replace paints using VOCs like Xylene as solvents.
Reduce exhaust emissions from motor vehicles	To commence the construction of a regional rapid light-rail system by 2005. To construct expressways in major cities, such as the district expressway in Southern Guangzhou and the Shenzhen-Changping Express Trunk Road.
	To develop green transport by implementing clean vehicle action programmes in major cities within the region. To encourage the use of clean fuels, develop electric vehicles and actively promote the use of advanced clean fuel motor vehicles.
	To require all new motor vehicles to meet emission standards. To step up annual inspection and on-road spot checks of in-use vehicles. To strengthen the control of in-use vehicles with the objective of ensuring that over 90% of motor vehicles in the cities within the region will meet emission standards by 2005.