

Swan Region Strategy

for

Natural Resource Management

Appendix 16

**Perth Air Quality Management Plan 12
Initiatives and Programs**

Initiative 1: Community Education

Program 1: Review existing education and behaviour change programs and establish a strategy and framework for developing and implementing supporting programs in future
Program 2: Improve everyone's access to air quality information and programs via the Internet
Program 3: Influence the community's travel behaviour through implementing TravelSmart, teleworking and other travel alternatives

Initiative 2: Vehicle Emissions Reduction

Program 1: Develop policy and regulations for automotive fuel quality in WA, promote national fuel quality regulation in line with international standards and co-ordinate fuel quality standards with improved vehicle emission standards
Program 2: Evaluate LPG and CNG as fuel sources for the passenger and freight sectors
Program 3: Evaluate various emissions testing options for introduction to Perth and implement the committed outcomes to reduce in-service emissions from motor vehicles
Program 4: On-road enforcement of controls on excessive vehicle emissions
Program 5: Evaluate and introduce appropriate measures to remove older vehicles from the Perth fleet
Program 6: Emissions testing training and equipment and technology review
Program 7: Investigate the cost effectiveness of Stage II vapour recovery and promote at national level if cost effective
Program 8: Investigate the use of electric, alternative fuel vehicles and ultra-light vehicles

Initiative 3: Reduction of Industrial Emissions of Nox and ROCs

Program 1: Assess contribution of industrial NO _x and ROC emissions to smog formation in the Perth airshed
Program 2: Assess cost effective NO _x emission reduction options, and implement agreed options to reduce emissions from significant industrial sources
Program 3: Identify and assist the major emitters of ROCs to reduce industrial contributions, and encourage continuous improvement in ROC reduction measures already introduced

Initiative 4: Health Research

Program 1: Investigating the public health impacts of air pollution
Program 2: Investigating sources of air pollutants and their impact on residents by determining the potential health impacts of variations in Perth's daily air quality
Program 3: Development of an Air Pollution and Health Network

Initiative 5: Modelling Improvements

Program 1: Update and consolidate air emissions databases
Program 2: Validate / improve emissions estimates for key emission sources
Program 3: Improve modelling capability and accuracy

Initiative 6: Air Quality Monitoring

Program 1: Establish a Monitoring Steering Committee to review air quality monitoring issues in the Perth metropolitan region
Program 2: Review air quality monitoring practices and procedures in the Perth metropolitan region
Program 3: Develop future monitoring programs
Program 4: Support community information and education programs on air quality monitoring

Initiative 7: Indoor Air Quality

Program 1: Development of an Indoor Air Quality Network
Program 2: Investigate indoor air quality and the contribution of indoor air exposure to personal exposure
Program 3: Increase community indoor air quality awareness

Initiative 8: Land Use and Transport Planning

Program 1: Include regional and local air quality considerations in the strategic planning and implementation of <i>Future Perth</i>
Program 2: Include regional and local air quality considerations in the planning and implementation of development proposals
Program 3: Monitor and review the effectiveness of land use and transport planning decisions in influencing Perth's air quality
Program 4: Assist local government in influencing the community's travel behaviour to bring about positive change

Initiative 9: Haze Reduction

Program 1: Increase community awareness of the impacts of domestic wood heaters on air quality
Program 2: Increase awareness among wood suppliers and wood heater installers of the impacts of wood heaters on air quality
Program 3: Domestic smoke nuisance resolution
Program 4: Manage greenwaste disposal and recycling to reduce local haze creation

Initiative 10: Energy Efficient Buildings

Program 1: Adoption of energy efficiency principles through building codes
Program 2: Encourage energy efficient building design and planning

Initiative 11: Cleaner Production

Program 1: Encourage cleaner production
Program 2: Ensure proper airshed planning for future industrial development and power generation in the Perth metropolitan region

Initiative 12: Smoke Management

Program 1: Establish a Smoke Management Awareness Group to facilitate community education and information about smoke impacts from planned burns
Program 2: Smoke Management Liaison Group
Program 3: Smoke management policy and regulation
Program 4: Smoke management research

Source: DEP (2002) *implementing the Perth Air Quality Management Plan*. Perth WA.