

	Subject Matter Area: Environmental Compliance	Note Reference/Version #: 1
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Title: Air Emissions Guidance Note		

This note documents Massmart’s position on the management of emissions arising from the use of company owned machinery, vehicles and refrigeration equipment.

Please note that it does not replace relevant National and Municipal standards and assumes full compliance with these regulations.

Background

In South Africa, air quality and emissions are governed by the National Environmental Management: Air Quality Act (39 of 2004) which sets out measures for preventing pollution and ecological degradation as a result of air emissions.

South Africa has historically been an intensive Greenhouse Gas Emitter as a result of its reliance on coal fired power stations. However, through both the promulgation of the Air Quality Act and its participation in, among other things, the United Nation Framework on Climate Change, the South African Government has demonstrated its commitment to reducing overall emissions and safeguarding air quality and environmental health.

From a legal compliance perspective, air pollution resulting from unregulated point source emitters, damaged or faulty equipment and the use of regulated/banned refrigerant gases and ozone depleting substances have in recent times have become more closely regulated.

Massmart Perspective

Beyond legal compliance, and curbing air pollution in accordance with all applicable environmental regulations, we are committed to minimising our GHG emission through a range of energy efficiency and renewable energy interventions, the details of which can be found in our Renewable Energy and Energy Efficiency guidance notes.

Managing air emissions in compliance with published with all applicable air emission related environmental regulations will form the primary focus of this note. Throughout our business, we make use of refrigeration systems, vehicles, air conditioners and generators- all of which have the potential to emit air pollutants if not managed, maintained and operated correctly. We are committed to minimising pollution arising from our operations and avoiding, wherever possible, the release of ozone depleting substances.

Guidelines

The following guidelines should be followed to avoid air pollution and comply with all relevant regulations:

- Excessive emissions from vehicles, generators, refrigeration system or air conditioner must be reported and recorded as a maintenance issue;
- Generators, forklifts and vehicles should undergo scheduled services. As a minimum, it is advised that services should be conducted annually by a suitably qualified technician;
- Qualified refrigerant gas technicians should be appointed for servicing and maintenance;
- Records of refrigerant gas leaks and refills must be kept and reported annually;
- The following refrigerant gases may not be used in new refrigerant and air conditioning plants:
 - HCFC-141b
 - HCFC-22 (R22)
- Wherever possible natural refrigerant gases, such as ammonia or CO₂, should be used as an alternative gas to replace those refrigerants that are scheduled for phase out;
- The following ozone depleting substances may not be used for any application in Massmart:
 - Chlorofluorocarbons
 - Bromochlorofluorocarbons
 - Halons
 - Carbon tetrachloride
 - 1,1,1 trichloroethane
 - Hydrobromofluorocarbons
 - Bromochloromethane
 - HCFC-141b
 - HCFC-22 (R22)

Role	Responsibility
Store Manager	<ul style="list-style-type: none"> • Ensure servicing of equipment is scheduled timeously. • Maintain maintenance and service records. • Report maintenance/ equipment issues to Operations Director for action. • Report all environmental regulatory contacts in a timely manner.
Divisional Operations Director	<ul style="list-style-type: none"> • Appointment of appropriate service providers for servicing and maintenance of equipment. • Work in partnership with Environmental Compliance Manager on tracking emissions targets as necessary and communication of legislation/ internal standards to stores.
Environmental Compliance Manager	<ul style="list-style-type: none"> • Assist in developing, in consultation with the operations teams, appropriate refrigerant gas phase out plans and targets • Development of remediation plans where required