

INTEGRATED WASTE MANAGEMENT PLAN



8.0 INTEGRATED WASTE MANAGEMENT PLAN

8.1 INTRODUCTION

The section below is a summary of the Breede Valley Integrated Waste Management Plan published in July 2005 covering Worcester, De Doorns, Touws River and Rawsonville. For a more extensive treatment of the Waste Management Plan please refer to the aforementioned document which is included in the CD accompanying the IDP.

8.1.1 CURRENT SITUATION

The following points summarise the current situation:

- ✚ Waste service delivery within BVM to all urban areas is co-ordinated from Worcester with the various towns within the municipality responsible for the day to day management of the refuse collection within their jurisdiction. At present, this service does not extend to the farming areas neither is it envisaged to be extended to them.
- ✚ The streets are only swept within the CBD's of all the towns with no sweeping occurring in the residential areas unless a special need arises.
- ✚ Residents within the municipality are issued with fifty black bags quarterly whose cost is included within the refuse collection tariff structure. It is planned to begin phasing in 240l wheelie-bins into some of the residential suburbs with the purchase of new refuse-collection vehicles.
- ✚ The municipality currently manages three landfill sites in Worcester, Touws River and De Doorns.
 - ✚ **Worcester:** This landfill site has enough airspace for the next thirty years. Problems experienced at the site are the dumping of wet waste by Rainbow Chicken farm which is accelerating leaching through the waste body as well as the dumping of tyres.
 - ✚ **De Doorns:** The municipality is planning to close down this site in light of the proposed construction of the transfer station.
 - ✚ **Touws River:** At the writing of the IWMP the rehabilitation of the site was almost complete. Areas of concern at the site were the lack of fencing and therefore access control as well as lack of equipment to cover the waste though it is burned frequently on site.



8.2 NEEDS ANALYSIS

Below is a list of needs in respect of waste disposal as identified in the IWMP.

- ✦ There are no waste minimisation strategies that have been developed. These need to be addressed and implemented.
- ✦ The new developments that are taking place in the Breede Valley Municipality must be included for the provision of a waste disposal service.
- ✦ There is illegal disposal of waste at various sites in the municipality. The illegal disposal should be addressed in order to manage and minimise the illegal activities pertaining to waste disposal.
- ✦ New Municipal By-Laws should be drafted that pertain directly to waste and issues surrounding waste management. Issues such as illegal dumping of waste, waste minimisation and recycling etc. should be dealt with in the By-Laws.
- ✦ The Breede Valley Municipality has a shortage of personnel. There are a number of temporary employees working for the Municipality at this stage.
- ✦ The Breede Valley Municipality has a number of vehicles that are old and in poor condition that are due for replacement.
- ✦ The Transfer Stations need to be constructed and managed.
- ✦ Municipal waste records should be kept and maintained for informed future decision-making purposes and to comply with the Government's Waste Information System requirements.
- ✦ A mitigation strategy or some form of succession planning should be developed for the expected increase in HIV-AIDS related deaths amongst personnel.



8.3 PROPOSALS AND OBJECTIVES

8.3.1 DISPOSAL INFRASTRUCTURE DEVELOPMENT



8.3.1.1

8.3.1.2 OBJECTIVE 4: PERMIT AND CONSTRUCT TRANSFER STATIONS AT DE DOORNS AND TOUWS RIVER

The Municipality is presently in the process of constructing the Touws River transfer station. The transfer station will receive all domestic waste and also have a recycling centre on the site. Waste that is not recycled will be transported to the Worcester landfill site for disposal. The De Doorns Transfer station has not been constructed yet due to a shortage of available funds. Environmental Impact Assessment for both transfer stations has been granted and BVM is still awaiting permits from DWAF.



8.3.2 INSTITUTIONAL CAPACITY AND HUMAN RESOURCES



8.3.2.1 OBJECTIVE 1: EFFECTIVE STRUCTURE OF HUMAN RESOURCES

The municipality currently has a shortage of staff within waste removal and landfill management. With the construction of the transfer stations more staff will be required though these will be staffed in part by staff currently at the landfill sites that will be closed down. It is imperative that all posts be filled urgently in order to efficiently run the waste removal tasks within BVM.

8.3.2.2 OBJECTIVE 2: STAFF TRAINING

The delivery of an effective refuse delivery service and efficient waste management within the Municipality depends on the ability of the staff to perform their specific functions. It is recommended that lower level training be done in-house and that specialists be appointed to do specialised training to ensure BVM remains abreast of current trends and acceptable standards.



8.3.3 FINANCIAL RESOURCES



8.3.3.1 OBJECTIVE 1: IMPROVE PAYMENT OF SERVICE TARIFFS

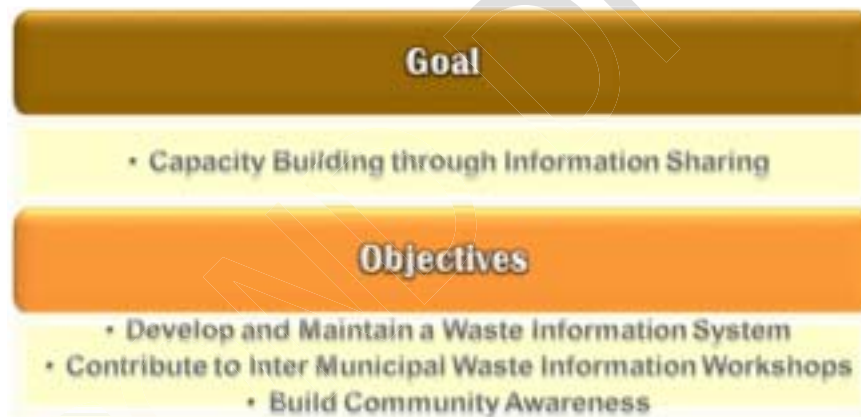
Billing to both residential and business consumers is done on a monthly basis with penalties being charged for late payment. Enforcing the withholding of services due to non-payment is currently a lengthy administrative process and is therefore rarely enforced. This is likely to worsen with the widening areas covered by the municipality. An option to explore is the use of prepaid accounts for waste disposal although a possible consequence of this would be dumping and the municipality would therefore need to plan accordingly.



8.3.3.2 OBJECTIVE 2: STANDARDISE TARIFF STRUCTURE

There is a need to ensure that all areas within the municipality receive the same quality and quantity of service all round. These services should also be levied at the same rate across BVM and tariffs for additional services including garden and commercial waste removal, should be levelled according to service delivery frequency.

8.3.4 DISSEMINATION OF INFORMATION/COMMUNICATION



8.3.4.1 OBJECTIVE 1: DEVELOP AND MAINTAIN A WASTE INFORMATION SYSTEM

In order to have quality information available to relevant stakeholders and decision makers at all times as well as to comply with reporting requirements from various authorities it is essential to acquire a WIS. The National Department of Environmental Affairs and Tourism is at the moment in the process of developing a generic WIS that may be provided to the various Municipalities for implementation.

8.3.4.1 OBJECTIVE 2: CONTRIBUTE TO INTER MUNICIPAL WASTE INFORMATION WORKSHOPS

Due to variations in service delivery management within the Western Cape, it is necessary that a forum be established where discussions on problems, issues and best practice can be pursued in order to uplift the entire region and improve service delivery.

8.3.4.2 OBJECTIVE 3: BUILD COMMUNITY AWARENESS

The municipality does not currently have any feedback sessions with the community to deal with waste disposal issues. It is important that the community is made aware of initiatives, waste recycling activities and the advantages of waste minimisation and recycling by the Municipality. This can either be achieved by advertisements and notices in the local newspapers or by providing information regarding these initiatives on the municipal bills distributed each month. The municipality can also conduct a road show to all the towns, villages to demonstrate to and inform people of waste related issues.



8.3.5 MANAGEMENT OF ILLEGAL ACTIVITIES



8.3.5.1 OBJECTIVE 1: DEVELOP PENALTY SYSTEM FOR ILLEGAL ACTIVITIES

BVM currently has a problem with illegal dumping of waste. Outside of the main towns there is a problem of resources to police this dumping. This should however not detract from the following suggestions in order to eradicate the scourge:

- ✦ Municipal bylaws should be amended to allow for the issuing of spot fines for those caught dumping waste. Possible spinoffs would be that dumping would be reduced within towns and increase outside of them.
- ✦ Introduction of community watch groups with relevant incentives for clean neighbourhoods.
- ✦ Provision of refuse skips to reduce distance travelled by consumers to waste disposal sites.
- ✦ Employment of a number of persons to police waste related activities within the municipality.



8.3.6 WASTE MINIMISATION



8.3.6.1 OBJECTIVE 1: FORMALISE AND ENCOURAGE RECYCLING ACTIVITIES

There is currently only one formal recycling initiative within the municipality although this will increase on completion of the transfer stations. It is estimated that if recycling were taken up in Worcester as much as 70% of material earmarked for the landfill would be removed thus extending the expected lifespan of the site considerably. A recycling station could be built at the present site or a contract entered into with one of the big recycling companies to provide the service weekly or fortnightly in order to realise these savings.

8.3.6.2 OBJECTIVE 2: ENCOURAGE WASTE MINIMISATION

Waste minimisation and recycling at source is more effective than recycling since it reduces the removal and transport costs. It is therefore recommended that waste sorting and minimisation be encouraged amongst the businesses in the Municipal area. It is recommended that a system be implemented whereby businesses within the community are billed for waste removal based on the number of receptacles or mass collected from their premises.



ROADS, PAVEMENTS AND ROAD FURNITURE MASTER PLAN

TO BE SUPPLIED BY
DIRECTOR OPS

SECOND DRAFT