

SECTION 2: WASTE QUANTITIES

2.1 Indicate or specify types of waste and list the estimated quantities expected to be managed daily (should you need more columns, you are advised to add more)

Hazardous waste	Non hazardous waste	Total waste handled (tonnes per day)
Ash	.	Approximately 15 333 tons per day

Source of information supplied in the table above Mark with an "X"

Determined from volumes

Determined with weighbridge/scale

Estimated



2.2 Recovery, Reuse, Recycling, treatment and disposal quantities:

Indicate the applicable waste types and quantities expected to be disposed of and salvaged annually:

TYPES OF WASTE	MAIN SOURCE (NAME OF COMPANY)	QUANTITIES		ON-SITE RECOVERY REUSE RECYCLING TREATMENT OR DISPOSAL	OFFSITE RECOVERY REUSE RECYCLING TREATMENT OR DISPOSAL	OFFSITE DISPOSAL
		TONS/MONTH	M ³ /MONTH	method & location	method location and contractor details	
Ash	Majuba Power Station		Approximately 200 000 m ³ (460 000 tons per month – converted to m ³ utilising a specific gravity for fly ash of 2.3)	On site dry disposal	.	.

SECTION 3: GENERAL

3.1 Prevailing wind direction (e.g. NWW)

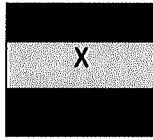
November – April	Easterly
May - October	East-North-Easterly

3.2 The size of population to be served by the facility

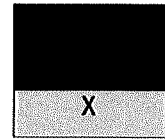
	Mark with "X"	Comment
0-499		Not Applicable
500-9,999		
10,000-199,999		
200,000 upwards		

3.3 The geological formations underlying the site:

Granite
Shale
Sandstone



Quartzite
Dolomite
Dolerite



Other _____

SECTION 4: COMPETENCE TO OPERATE SITE

It is imperative that the holder of the waste management licence is a fit person in terms of section 59 of the NEMWA (59 of 2008). To assess the holder's competence to operate the site, please disclose the following:

4.1 Legal compliance

Has the applicant ever been found guilty or issued with a non compliance notice in terms of any national environmental management legislation?

Has the applicant's licence in terms of the Waste Act 2008 ever been revoked?

Has the applicant ever been issued with a non compliance notice or letter in terms of any South African Law?

YES/NO	DETAILS
NO	These details have specific reference to Majuba Power Station
NO	
NO	

***NB:** Details required above include any information that the applicant wants the Department to take into consideration in determining whether they are a "fit person" and this includes reasons why the offence happened and measures in place to prevent recurrence*

4.2 Technical competence

What technical skills are required to operate the site?

The following skills are required:

- An ash system Engineer (Mechanical),
- A civil Engineer,
- A quantity surveyor,
- Senior technician(Eskom),
- Site supervisor (Roshcon),
- Site manager(roshcon),
- Contracts manager (Eskom),
- Maintenance personnel (Roshcon and Eskom),
- Stacker operators

How will the applicant ensure and maintain technical competency in the operation of the site?

Through Training, quality control and assurance as well as plant monitoring, ensuring that the current operations of the dump is as per the design. By ensuring that personnel have the necessary skills and knowledge in terms of the operation of the Ash Dump.

4.3 Details of applicant's experience and qualification along with that of relevant employees must be summarised as shown in the table below:

NAME	POSITION	DUTIES AND RESPONSIBILITIES	QUALIFICATIONS AND EXPERIENCE
Please note these are the current names and are accurate as of August 2012, it should be noted that the specific people involved may change from time to time.			
PSM:M.G Mkwai	PSM	Power Station Manager	Higher National Diploma Mechanical Maintenance Diploma- Turkey BSC II- Fort Hare
Tebogo Madisha	Civil Engineer (Eskom)	Civil/Structural System Engineer	B.Eng Civil Engineering 4.5 yrs experience
Linda Makhubela	Materials Handling Contracts Manager (Eskom)	Contracts Management	BSc. (Hons) Chemistry MSc. Engineering and Business Management 9 yrs experience
Mandla Xaba	Mechanical Engineer (Eskom)	Ash Plant System Engineer	BSc. Mechanical Engineering 6 yrs experience
Linda Khuzwayo	Senior Technician (Eskom)	Contract Supervision	National Diploma (Mechanical Engineering) 6 yrs experience
Mark Cooke	Site Supervisor (Roshcon)	Site Supervision	Matric 4 yrs experience
Koos Du Plessis	Site Manager (Roshcon)	Site Management	National Diploma (Project Management) 22 yrs experience
Lerato Lephoto	Safety Officer (Roshcon)	Safety	Matric 4.5 yrs experience
Vusi Msiza	Contracts Manager (Roshcon)	Contract Management	National Diploma (Project Management) National Diploma (Civil Engineering) 9 yrs experience

4.4 Financial Provisions

Provide a plan of estimated expenditure for the following:

	ATTACHED/NOT ATTACHED	SECTION OF THE REPORT WHERE IT IS ATTACHED
Environmental Monitoring	Not Attached	The information will be provided at EIR/ESR
Provision and replacement of infrastructure	Not Attached	
Restoration and aftercare	Not Attached	

SECTION 5: LANDFILL PARAMETERS

5.1 The method of disposal of waste:

Land-building



Land-filling



Both



The dimensions of the disposal site in metres

	At commencement	After rehabilitation
Height/Depth	Unknown at this stage – however footprint is estimated to be 955 ha requiring 156.2 million m ³ of air space	
Length		
Breadth		

5.2 The total volume available for the disposal of waste on the site:

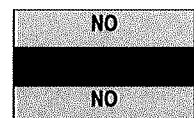
Volume Available	Mark with "X"	Source of information (Determined by surveyor/ Estimated)
Up to 99		
100-34 999		
35 000- 3,5 million		
>3,5 million	X	<p>Majuba Power Station is anticipated to ash approximately 460 000 tons per month until the end of its life span in 2045 (approximately 33 years)</p> <p>This ash dump shall be able to accommodate the ashing requirements of the power station for the next 33 years, from 2012 to 2045.</p>

5.3 The total volume already used for waste disposal:

(a) Will the waste body be covered daily

(b) Is sufficient cover material available

(c) Will waste be compacted daily



If the answers (a) and/or (b) are No, what measures will be employed to prevent the problems of burning or smouldering of waste and the generation of nuisance?

The waste disposal facility is an Ash Dump at the Majuba Power Station. A dust covering is done in the dry season and rehabilitation is done on completed work areas. In addition to this compaction is done prior to conveyor shifts – ash is normally stacked and dosed.