

**ENVIRONMENTAL IMPACT ASSESSMENT AND APPLICATION FOR A
WASTE MANAGEMENT LICENSE FOR THE PROPOSED EXTENSION OF
THE GENERAL WASTE DISPOSAL SITE AT THE TUTUKA POWER
STATION**

(DEA REF NO 12/12/20/1553)

DEA REF NO: 12/9/11/L217/6 – Permitting

DRAFT Issues and Response Report

Version 2

This report (Version 2) captures the issues raised by stakeholders during the Environmental Impact Assessment (EIA) process as well as the application process for a waste license for the extension and licensing of the general waste disposal site at the Tutuka Power Station, near Standerton, in Mpumalanga.

As part of the project announcement documentation, a Background Information Document (BID), with a comment and registration sheet was posted and distributed by hand on 26 August 2009. An advertisement was placed in various local, regional and national newspapers as well as site notices put up in the surrounding area of the proposed development during the last week of August 2009. Comments received from the announcement were captured in the table below.

An Open House session and Public Meeting were held on 18 November 2009 at the community hall at Thuthukani Village to present the findings of the Scoping Phase. Issues raised at the meeting were captured in the tables below, which was available for comment from 11 November 2009 to 10 December 2009.

During the Impact Assessment Phase the Draft Environmental Impact Report (DEIR) was placed on public review from Friday, 7 May 2010 to Monday, 7 June 2010. An advertisement was placed in various local, regional and national newspapers during the first week of May 2010 to invite stakeholders to an Open House and Public Meeting on Tuesday, 18 May 2010 at the Conference Room at the Thuthukani Village to present the findings of the DEIR. The table below also captures comments raised during the public review period of the DEIR.

	COMMENTS, QUESTIONS AND ISSUES	COMMENTATOR(S)	SOURCE(S)	RESPONSE(S)
1	Precautions must be taken to prevent pollution to streams due to the possible effluent/ rain water run-off from the site.	Mr Neels Vermaak, Department of Water Affairs, Standerton	Written response to the BID, 7 September 2009	<p>This will be investigated during the specialist studies, the specialists will provide recommendations to ensure no pollution of ground and surface water. The recommendation will be included in Environmental Management Plan (EMP) and Eskom will be required to implement them.</p> <p>Subsequently a surface and ground water assessment was undertaken (Section 7 of the EIR). These studies in turn informed the design of the facility, which includes a clean and dirty water separation system to prevent pollution from the site (Section 8 of the EIR).</p>
2	Care should be taken as not to pollute the tributary of the Leeuspruit that runs near the landfill site, because the water of this spruit runs to the Grootdraai Dam. The potential impact to the Grootdraai Dam will have to be quantified as part of the EIA.	Mr Neels Vermaak, Department of Water Affairs, Standerton	Public meeting held on 18 November 2009 at Thuthukani Village	<p>Mr Konrad Kruger (Zitholele Consulting) explained that the prevention of pollution is one of the objectives of the EIA being done for the proposed extension or construction of a new landfill site. The possible impact on surface water will be investigated in detail during the EIA.</p> <p>Subsequently a surface and ground water assessment was undertaken (Section 7 of the EIR). These studies in turn informed the design of the facility, which includes a clean and dirty water separation system to prevent pollution from the site (Section 8 of the EIR). It was found that the mitigation measures prevent any possible contamination from entering the natural stream and hence the Groot Draai Dam.</p>

3	At what frequency are bins in Thuthukani Village being emptied and when is refuse transported to Kriel.	Ms Anelle Lotter, Zitholele Consulting	Public meeting held on 18 November 2009 at Thuthukani Village	Mr Johan Venter, (Tutuka Power Station) explained that refuse bins in Thuthukani Village are being emptied on a daily basis, and two truckloads per day are taken to the Kriel landfill site. Transporting waste to Kriel is expensive due to the distance and it also poses an added safety and environmental risk due to potential road accidents and spillages.
4	Storm water layout plans must be designed in such a way as to avoid any contamination of surface and underground water.	The Director, Environmental Impact Management, Department of Agriculture and Land Administration, Mpumalanga	Written response to the Draft Scoping Report on 18 January 2010	The waste disposal site designs as well as the operations plan and Environmental Management Plan will address the storm water concern. This was subsequently done, as captured in the Design Report and Section 8 of the EIR.
5	The site must be away from any natural water courses.	The Director, Environmental Impact Management, Department of Agriculture and Land Administration, Mpumalanga	Written response to the Draft Scoping Report on 18 January 2010	Noted. The site selection and the site designs have taken all water features as sensitive features to be avoided. Elements on this include buffer areas from water resources in compliance with the Minimum Requirements documents.
6	Engineering plans must be submitted to the Department of Water Affairs to check the geohydrological and geotechnical studies since the height will be between 10 and 15 metres and the size will be 12 ha.	The Director, Environmental Impact Management, Department of Agriculture and Land Administration, Mpumalanga	Written response to the Draft Scoping Report on 18 January 2010	The site designs, along with the Design Report and the WMLA Report will be submitted to the DEA and DWA for authorisation.
7	All land owners, both private and state, must be informed of this project.	The Director, Environmental Impact Management, Department of Agriculture and Land Administration, Mpumalanga	Written response to the Draft Scoping Report on 18 January 2010	The existing landfill site is on Eskom property and surrounding landowners have been informed during the public participation process. A database has been developed with details of the I&APs
8	Plastic bags from the waste site blow into farmlands adjacent to the current site.	Mr Vosloo, owner of Pretoriusvlei Farm, adjacent to the land of the power station.	Personal telephonic communication with Me. Lotter on 9 November 2009	Noted. This issue will be addressed in the operational plan for the proposed site and was brought to the attention of the Power Station in terms of managing the current site. Please note that the waste on site has to be covered daily with soil, in order to prevent windblown waste. This issue is

				covered in Section 2 of the EMP
9	The community will benefit from this project as the waste generated by the community will also be dumped on the new site. The community forum therefore supports this project due to its benefit to the community.	Thuthukani Joint Forum	Public meeting held on 18 November 2009 at Thuthukani Village	Accepted
10	Please clarify whether the boiler ash will be disposed of to a general or a hazardous landfill site. Please send me a copy of the permit for the ash dump.	Mr Rico Euripidou, Groundwork, Friends of the Earth SA	Telephonic communalisation on 20 May 2010	Mr Kruger advised him that the EIA Zitholele Consulting is doing is for a General Waste Disposal Site that will receive only domestic waste, building rubble and garden waste. He explained boiler ash goes to the current ash dump at the station. The request for a copy of the ash dump permit has been passed on to the Environmental Manager at the Tutuka Power Station.

Rambuda, Florence

From: Odendaal, Anelle
Sent: 07 September 2009 07:34 AM
To: Kruger, Konrad; Joubert, Andre; Rambuda, Florence
Subject: FW: Comment sheet

Dear colleagues

Please see comments attached from DWA.

Florence - please file. Andre will you please begin with an IRR for Tutuka.

Thanks

Anelle Lotter (Odendaal)
Zitholele Consulting (Pty) Ltd
 Thandanani Park, Matuka Close, Halfway Gardens, Midrand, South Africa
 Tel: +27 11 254 4855 Fax: +27 11 805 2100 Cell: +27 32 8045890
 e-mail: aodendaal@zitholele.co.za

From: Vermaak Neels (SDN) [mailto:VermaakN@dwa.gov.za]
Sent: 07 September 2009 07:13 AM
To: Odendaal, Anelle
Subject: Comment sheet

<p>ENVIRONMENTAL IMPACT ASSESSMENT AND APPLICATION FOR A WASTE LICENSE</p> <p>Proposed extension and licensing of the domestic waste disposal site at the Tutuka Power Station</p> <p>DEA Ref No 12/12/20/1553</p> <p>REGISTRATION AND COMMENT SHEET Inserted in the Background Information Document</p>	<p>Zitholele Consulting Public Participation Office Anelle Odendaal/Patiswa Mngokoyi PO Box 6002, Halfway House, 1685 Tel (011) 254-4855/4905 Fax (011) 805 2100</p> <p>Email aodendaal@zitholele.co.za/ patiswam@zitholele.co.za</p> <p>August 2009</p>
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Please complete and return to the Public Participation Office (details above right)

TITLE	Mr.	FIRST NAME	Neels	If you are an landowner, tell us your name and portion no
INITIALS	C.J.	SURNAME	Vermaak	
ORGANISATION	Department of Water Affairs	EMAIL	vermaakn@dwa.gov.za	
POSTAL ADDRESS	Private bag x 2021, Standerton.	POSTAL CODE	2430	
TEL NO	082 809 5269	FAX NO	017 712 2087	

COMMENTS (please use separate sheets if you wish)

I suggest that the following issues of concern be investigated in the EIA:

Possible effluent / rain water run-off from the site, precautions to prevent pollution to public streams.

Any other comments:

Please ask the following of my colleagues/friends/neighbours to register as I&APs for this EIA:

THANK YOU FOR YOUR CONTRIBUTION

DISCLAIMER:

This message and any attachments are confidential and intended solely for the addressee. If you have received this message in error, please notify the system manager/sender. Any unauthorized use, alteration or dissemination is prohibited. The Department of Water Affairs and Forestry further accepts no liability whatsoever for any loss, whether it be direct, indirect or consequential, arising from this e-mail, nor for any consequence of its use or storage.

<p>ENVIRONMENTAL IMPACT ASSESSMENT AND APPLICATION FOR A WASTE LICENSE</p> <p>Proposed extension and licensing of the domestic waste disposal site at the Tutuka Power Station</p> <p>DEA Ref No 12/12/20/1553</p> <p>REGISTRATION AND COMMENT SHEET Inserted in the Background Information Document</p>	<p>Zitholele Consulting Public Participation Office Anelle Odendaal/Patiswa Mngokoyi PO Box 6082, Halfway House, 4885 Tel (011) 254-4855/4915 Fax (011) 8052100 Email: godendaal@zitholele.co.za/ patiswam@zitholele.co.za</p> <p style="text-align: center;">August 2009</p>
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Please complete and return to the Public Participation Office (details above right)

TITLE	MR	FIRST NAME	GODFREY	<p>If you are an affected landowner, please tell us your farm name and portion number</p>
INITIALS	GJM	SURNAME	THEMA	
ORGANISATION	ANGLO COAL	EMAIL	gthema@anglocoal.co.za	
POSTAL ADDRESS	PRIVATE BAG 2022, STANDERTON	POSTAL CODE	2480	
TEL NO	017 749 0013 076 746 3766	FAX NO	086 564 7510	

Please formally register me as an interested and affected party (I&AP) so that I may receive further information and notifications during this EIA process. (Please circle applicable box)	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
I would like my notifications by	<input type="checkbox"/> Mail <input type="checkbox"/> Email <input type="checkbox"/> Fax <input type="checkbox"/> Telephone
I would like to receive documents for comment as follows	<input checked="" type="checkbox"/> By email <input type="checkbox"/> On CD

In terms of GNR 385 (EIA process regulations) I disclose below any direct business, financial, personal or other interest that I may have in the approval or refusal of the application:

I am currently representing New Denmark Colliery, which is currently using Tutuka Power Station landfill site for their domestic waste.

COMMENTS (please use separate sheets if you wish)


I suggest that the following issues of concern be investigated in the EIA:

Quantity and Impact on groundwater, surface water, dust from the landfill site. Are there any wetlands around the area? What about the pipes supplying water to the area?

Any other comments:

Are there any wetlands around the area. Has the power station address the issue of the area where the mine would like to build a brea pond.

Please ask the following of my colleagues/friends/neighbours to register as I&APs for this EIA:

Mpumalanga Provincial Government		
Piet Koenhof Building (3 rd Floor) Cnr Justice & Kruger Streets WITBANK 1035 Republic of South Africa		Private Bag x 7255 Witbank Tel: (013) 690 1269/79 Fax: (013) 656 5469
DEPARTMENT OF AGRICULTURE AND LAND ADMINISTRATION ENVIRONMENTAL IMPACT MANAGEMENT –NKANGALA DISTRICT OFFICE		
Litso Letekulima Kanye Nekaphatfwa Kwemhlaba	Departement van Landbou, en Grondadministrasie	Umnyango Wezokulima, Nebhoduluko KweNatha
Reference:		DEA Ref: 12/12/20/1553
E-mail:		gmmondlane@wit.mpu.gov.za
Fax:		086 511 1726

Att: Anelle Odendaal
Zicholele Consulting (Pty) Ltd
 P. O. Box 6002
 Halfway House
 1635

Fax no: 011 805 2100

Dear Anelle

Re: Comments for a draft scoping report to submit a final scoping report for the proposed Tutuka Waste Disposal Site: Proposed extension of the existing General Waste Disposal site (and associated infrastructure) at Tutuka Power Station, Mpumalanga.

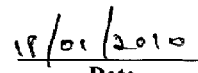
We confirm having received the above document for comments the kind of development that is proposed and the concerns of its completion, these are the following comments.

- Storm water layout plans must be designs in a way to avoid any infiltration to the surface and underground water leaving the site.
- The existing site must be away from any natural courses to prevent any spillages.
- Engineering plans must be submitted to DWA to check the Geohydrological and Geotechnical investigations of the site since the height will be between 12ha in size & 10 – 15 m in height (page 18)
- Any infrastructure, jurisdiction or servitudes belonging to the organ of state or privately owned assumed to be disturbed, they must be informed in time since the project is existing and it's an expansion.

Please draw the applicant's attention to the fact that the activity may not commence prior to an environmental authorisation being granted by the Department.

Yours faithfully

PA 
 Director
 Environmental Impact Management


 Date