



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Private Bag X 447 · PRETORIA · 0001 · Fedsure Building · 315 Pretorius Street · PRETORIA
Tel (+ 27 12) 310 3911 · Fax (+ 2712) 322 2682

DEA Reference: 14/12/16/3/3/1/895

Enquiries: Mmallala Rabothata

Tel: 012 395 1768 Fax: 012 320 7539 E-mail: mrabothata@environment.gov.za

Dr Norbert Klages
GIBB (Pty) Ltd
PO Box 63703
6045

Fax: 041 363 9300
Tel: 041 392 7500

PER FACSIMILE / MAIL

Dear Dr Klages

ACKNOWLEDGEMENT OF RECEIPT AND ACCEPTANCE OF NEW APPLICATION FOR ENVIRONMENTAL AUTHORISATION (BASIC ASSESSMENT PROCESS) FOR THE PROPOSED APPLICATION FOR INSTALLATION OF TIPPLER FACILITY (TIPPLER 3), PORT OF SALDANHA WITHIN WEST COAST DISTRICT MUNICIPALITY AND SALDANHA BAY MUNICIPALITY IN WESTERN CAPE PROVINCE

The Department confirms having received the application form; and EAP Declaration of interest submitted by you on 16 May 2013 for environmental authorisation for the abovementioned project. You have submitted these documents to comply with the Environmental Impact Assessment Regulations, 2010. The Application is accepted.

In addition, please consider the following during compilation of reports for this application for environmental authorisation:

- All applicable Departmental Guidelines must be considered throughout the application process. These can be downloaded from the Department's website: www.environment.gov.za, Environmental Impact Management button, listed under "EIA Administration": Integrated Environmental Management Information Series link. These include, but are not limited to, the following topics: Scoping, Environmental Impact Reporting, Stakeholder Engagement, Specialist Studies, Impact Significance, Cumulative Effects Assessments, Alternatives in EIA and Environmental Management Plans.
- Please be advised that in terms of the EIA Regulations and NEMA the investigation of alternatives is mandatory. Alternatives must therefore be identified, investigated to determine if they are feasible and reasonable. It is also mandatory to investigate and assess the option of not proceeding with the proposed activity (the "no-go" option).
- Should water, solid waste removal, effluent discharge, stormwater management and electricity services be provided by the municipality, you are requested to provide this office with written proof that the municipality has sufficient capacity to provide the necessary

services to the proposed development. Confirmation of the availability of services from the service providers must be provided together with the reports to be submitted.

- In the reports to be submitted it must clearly be demonstrated in which way the proposed development will meet the requirements of sustainable development. You must also consider energy efficient technologies and water saving devices and technologies for the proposed development. This could include measures such as the recycling of waste, the use of low voltage or compact fluorescent lights instead of incandescent globes, maximising the use of solar heating, the use of dual flush toilets and low-flow shower heads and taps, the management of storm water, the capture and use of rainwater from gutters and roofs, the use of locally indigenous vegetation during landscaping and the training of staff to implement good housekeeping techniques.
- A detailed and complete EMPr must be submitted with the BAR. This EMPr must not provide recommendations but must indicate actual remediation activities which will be binding on the applicant. Without this EMPr the documents will be regarded as not meeting the requirements and will be returned to the applicant for correction.
- The applicant/EAP is required to inform this Department in writing upon submission of any draft report, of the contact details of the relevant State Departments (that administer laws relating to a matter affecting the environment) to whom copies of the draft report were submitted for comment. Upon receipt of this confirmation, this Department will in accordance with Section 24O(2) & (3) of the National Environmental Management Act, 1998 (Act 107 of 1998) inform the relevant State Departments of the commencement date of the 40 day commenting period, or 60 days in the case of the Department of Water Affairs for waste management activities which also require a licence in terms of the National Water Act, 1998 (Act 36 of 1998).
- Should it be necessary to apply for a permit in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999), please submit the necessary application to SAHRA or the relevant provincial heritage agency and submit proof thereof with the Basic Assessment Report. The relevant heritage agency should also be involved during the public participation process and have the opportunity to comment on all the reports to be submitted to this Department.

You are required to submit the final site layout plan together with the Final BAR to the Department. All available biodiversity information must be used in the finalisation of the layout plan.

The Environmental Management Programme (EMPr) submitted as part of the application for environmental authorisation must include the following:

- All recommendations and mitigation measures to be recorded in the Final BAR.
- A plant rescue and protection plan which allows for the maximum transplant of conservation important species from areas to be transformed. This plan must be compiled by a vegetation specialist familiar with the site in consultation with the ECO and be implemented prior to commencement of the construction phase.
- An open space management plan to be implemented during the construction and operation of the facility.
- A re-vegetation and habitat rehabilitation plan to be implemented during the construction and operation of the facility including timeframes for restoration which must indicate rehabilitation within the shortest possible time after completion of construction activities to reduce the amount of habitat converted at any one time and to speed up the recovery to natural habitats.

- An alien invasive management plan to be implemented during construction and operation of the facility. The plan must include mitigation measures to reduce the invasion of alien species and ensure that the continuous monitoring and removal of alien species is undertaken.
- A storm water management plan to be implemented during the construction and operation of the facility. The plan must ensure compliance with applicable regulations and prevent off-site migration of contaminated storm water or increased soil erosion. The plan must include the construction of appropriate design measures that allow surface and subsurface movement of water along drainage lines so as not to impede natural surface and subsurface flows. Drainage measures must promote the dissipation of storm water runoff.
- An effective monitoring system to detect any leakage or spillage of all hazardous substances during their transportation, handling, use and storage. This must include precautionary measures to limit the possibility of oil and other toxic liquids from entering the soil or storm water systems.
- An erosion management plan for monitoring and rehabilitating erosion events associated with the facility. Appropriate erosion mitigation must form part of this plan to prevent and reduce the risk of any potential erosion.
- A traffic management plan for the site access roads to ensure that no hazards would result from the increased truck traffic and that traffic flow would not be adversely impacted. This plan must include measures to minimize impacts on local commuters e.g. limiting construction vehicles travelling on public roadways during the morning and late afternoon commute time and avoid using roads through densely populated built-up areas so as not to disturb existing retail and commercial operations.
- An environmental sensitivity map indicating environmental sensitive areas and features identified during the EIA process.
- Measures to protect hydrological features such as streams, rivers, pans, wetlands, dams and their catchments, and other environmental sensitive areas from construction impacts including the direct or indirect spillage of pollutants.

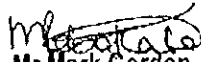
You are requested to submit two (2) electronic copies (the main report must be separated from the Appendices (each appendix saved separately) (CD/DVD) and two (2) hard copies of both the Draft and Final Report to the Department. The hard copies must be double-sided printed; double-punched and must be bound using a lever arch file (two or four holes).

The EAP must, in order to give effect to regulation 56 (2), before submitting the Environmental Impact Assessment Report to the Department give registered interested and affected parties access to, and an opportunity to comment on the report in writing.

In terms of regulation 67 of the EIA Regulations, 2010 this application will lapse if the applicant (or the EAP on behalf of the applicant) fails to comply with a requirement in terms of the Regulations for a period of six months after having submitted the application, unless the reasons for failure have been communicated to and accepted by this Department.

You are hereby reminded of Section 24F of the National Environmental Management Act, Act No 107 of 1998, as amended, that no activity may commence prior to an environmental authorisation being granted by the Department.

Yours sincerely


Mr Mark Gordon

Chief Director: Integrated Environmental Authorisation
Department of Environmental Affairs

Letter signed by: Ms Mmatlala Rabothata

Designation: Environmental Officer: Integrated Environmental Authorisations

Date: 20/05/13

CC:	Fazeel Christian	Transnet SOC Limited	Fax: 086 673 1481
	The Municipal Manager	West Coast District Municipality & Saldanha Bay Municipality	Fax: 022 715 1518



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Private Bag X 447 · PRETORIA · 0001 · Fedsure Building · 315 Pretorius Street · PRETORIA
Tel (+ 27 12) 310 3911 · Fax (+ 2712) 322 2682

DEA Ref: 14/12/16/3/1/1

Enquiries: Ms Toinette vd Merwe

Tel: 012 395 1782 Fax: 012 320 7539 E-mail: lvandermerwe@environment.gov.za

Mr Khathutshelo E. Tshipala
Transnet SOC Ltd
PO Box 72501
Parkview
JOHANNESBURG
2122

Fax no: (011) 308 2638

PER FACSIMILE / MAIL

Dear Mr Tshipala

APPLICABILITY OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 2010 ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS: PROPOSED CONSTRUCTION OF A THIRD TIPPLER AND ASSOCIATED INFRASTRUCTURE AT SALDANHA IRON ORE TERMINAL, WESTERN CAPE PROVINCE

The correspondence dated 05 March 2013 as received by the Department, refers.

On 18 June 2010 the Minister of Water and Environmental Affairs promulgated regulations in terms of Chapter 5 of the National Environmental Management Act, 1998 (Act No 107 of 1998) (NEMA), viz, the Environmental Impact Assessment (EIA) Regulations 2010 (GN R543, GN R544, GN R545, GN R546 and GN R547 of 18 June 2010). These regulations came into effect on 02 August 2010 (GN R660, GN R661, GN R662, GN R663, GN R664 and GN R665 of 02 August 2010). The 2010 EIA Regulations replace the 2006 EIA and also introduce new provisions regarding environmental impact assessments as well as regulations regarding environmental management frameworks (EMF's).

Your attention is therefore drawn to the listed activities in terms of the NEMA EIA Regulations, 2010, as defined in GN R544, GN R545 and GN R546 of 18 June 2010. Be advised that, based on the information provided, the proposed construction of a third tippler and associated infrastructure appears to constitute a listed activity defined in terms of the NEMA EIA Regulations, 2010, being:

➤ **Activity Item 28 of GN R545 of 18 June 2010:**

The expansion of or changes to existing facilities for any process or activity where such expansion or changes to will result in the need for a permit or license in terms of national or provincial legislation governing the release of emissions or pollution, excluding where the facility, process or activity is included in the list of waste management activities published in terms of section 19 of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) in which case that Act will apply.

This determination is based on the following information provided by you:

- Transnet Port Terminals (Saldanha Iron Ore Terminal) currently operates with two tipplers, both which require maintenance and refurbishment. The tipplers are used to unload Iron Ore from rail wagons. The Iron Ore is then discharged into the receiving bin feeding the hoppers from where it is conveyed to the stockpiles.
- In the documentation submitted to the Department it is stated that the two existing tipplers will be refurbished (and not decommissioned) and that a third tippler will be installed.
- The proposed third tippler and associated infrastructure will have an average design throughput of 8000 tonnes/hour.
- Therefore, the construction of a third tippler and associated infrastructure will result in a change of the existing facility and increase the throughput capacity of the Saldanha Iron Ore Terminal.

Note that that Activity Item 28 will only be triggered if it is required to amend/update/revise the exiting Air Emissions Licences (AEL) issued by the West Coast District Municipality (Air Quality Management).

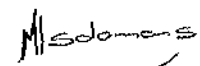
You are hereby required to provide the Department with written comments from the West Coast District Municipality (Air Quality Management), as they are the competent authority in terms of the AEL issued in terms of the National Environmental Management: Air Quality Act, Act 39 of 2004, whether the the installation of a third tippler and associated infrastructure will require the amendment/update/revision of the AEL.

Should an amendment/update/revision of the AEL be required, Activity Item 28 will be triggered and written authorisation will be required from the competent authority prior to the undertaking of the said activity. Be reminded that the onus is on the applicant to identify all applicable listed activities.

You are further reminded of your general duty of care towards the environment in terms of section 28(1) of NEMA which states: *"Every person who causes, has caused or may cause significant pollution or degradation of the environment must take reasonable measures to prevent such pollution or degradation from occurring, continuing or recurring, or, in so far as such harm to the environment is authorised by law or cannot reasonably be avoided or stopped, to minimise and rectify such pollution or degradation of the environment."*

Kindly quote the abovementioned reference number in any future correspondence in respect of the application.

Yours sincerely



Mr Mark Gordon

Chief Director: Integrated Environmental Authorisations
Department of Environmental Affairs

Letter signed by: Ms Millicent Solomons

Designation: Director: Integrated Environmental Authorisations

Date: 04/04/2013.

SCIENTIFIC SERVICES

postal Private Bag X5014 Stellenbosch 7599
physical Assegaaibosch Nature Reserve Jonkershoek
website www.capenature.co.za
enquiries Alana Duffell-Canham
telephone +27 21 866 8000 **fax** +27 21 866 1523
email aduffell-canham@capenature.co.za
reference SSD14/2/6/1/8/4/POSaldanha_3rdTippler_Transnet
date 21 June 2013

Gibb Public Participation Office
By email: orextippler@gibb.co.za

Dear Ms Parkinson

Re: Proposed 3rd Tippler and associated infrastructure, Port of Saldanha (Transnet Iron Ore Tippler 3) – Background Information Document.

CapeNature would like to thank you for the opportunity to comment on this proposed activity and wish to make the following comments:

1. The site for the proposed tippler was historically covered by Saldanha Flats Strandveld. Although the tippler site has been largely transformed, natural vegetation could still be impacted on by the associated infrastructure and services that will be required and this should be taken into consideration. Other vegetation types such as Saldanha Limestone Strandveld may also be impacted.
2. We will comment in more depth once detailed reports and specialist studies have been received.

CapeNature reserves the right to revise initial comments and request further information based on any additional information that may be received.

Yours sincerely



Alana Duffell-Canham
For: Manager (Scientific Services)

**WESKUS DISTRIKSMUNISIPALITEIT
WEST COAST DISTRICT MUNICIPALITY**

Rig alle korrespondensie aan:
Address all correspondence
to:

**MUNISIPALE BESTUURDER/
MUNICIPAL MANAGER**

Navrae/Enquiries : P Fabricius
Verw.Nr./Ref. No.: 12/3/1/11



Posbus / P O Box 242
MOORREESBURG, 7310

Telefoon/Phone (022) 433 8400
Faks/Fax Nr. 086 6926 113

E-Mail Adres/Address :
westcoastdm@wcdm.co.za

27 June 2013

GIBB Public Participation Office
GIBB (Pty) Ltd
PO Box 3965
CAPE TOWN
8000

Dear Sir / Madam,

**NOTIFICATION OF BASIC ASSESSMENT: PROPOSED TIPPLER 3, PORT OF
SALDANHA: DEA REFERENCE 14/12/16/3/3/1/895.**

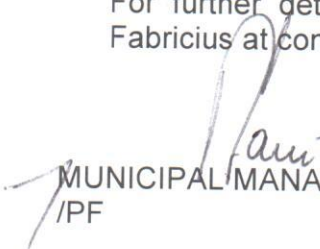
Please register as I&AP: Manager: Air Quality, Piet Fabricius, Tel: 0227135950, Cell 0823376131, E-mail: pietfab@gmail.com, Postal address: PO Box 242, Moorreesburg, 7310.

With regards to your advertisement in the "Weslander" of 13 June 2013 it was noted that you have made no mention of the need to obtain authorisation in terms of the National Environmental Management: Air Quality Act, 2004 (Act 39 of 2004).

This proposal will require an amendment to the Provisional Atmospheric Emission Licence of Transnet Port Terminals and should have been mentioned in your advertisement. It is recommended that you conduct your public participation process required for both authorisations simultaneously.

In order for you to obtain a reference number from the licensing authority, in this instance the West Coast District Municipality, you will have to submit an application on the prescribed form that is available on councils website. www.westcoastdm.co.za

For further detail you are most welcome to contact Councils Air Quality Officer P Fabricius at contact details mentioned above.


MUNICIPAL MANAGER
/PF

From: S ERASMUS [mailto:se@museumsnc.co.za]
Sent: 08 July 2013 11:19
To: Kate Parkinson
Subject: Re: Notification of Basic Assessment

TO WHOM IT MAY CONCERN

This project falls outside the Northern Cape Province. Do not register us as I&Ps, or send us further documentation.

Kindly update your WESSA contact details. Consult our website www.wessa.org.za or contact Helena Atkinson, the Regional Manager in the Western Cape at ecoschoolswc@wessa.co.za

Unlike most other Regions, WESSA Northern Cape is unstaffed, and run by a group of volunteers. We currently have nobody on our Committee to handle the Conservation portfolio, and pressure of work means that we are not able to participate in Environmental Impact Assessments at this time.

Please note that a lack of response does not mean that we condone this project; it simply means that we do not have the capacity to respond to all correspondence received.

In the interest of saving paper, trees and costs, **please do not post any hardcopies or discs to us, unless specifically requested.**

We cannot currently deal with these and they will be destroyed.

Our contact details:

Please do not use the e-mail address se@museumsnc.co.za for WESSA correspondence. Kindly send all documents to WESSA:NC at wessanc@yahoo.com.

Our fax (053 842 1433) belongs to the McGregor Museum, and should only be used **under exceptional circumstances, and for single pages only.** This is a communal machine, so please mark all documents clearly 'WESSA', or direct them to me by name. **We prefer to communicate by e-mail.**

SCIENTIFIC SERVICES

postal Private Bag X5014 Stellenbosch 7599
physical Assegaaibosch Nature Reserve Jonkershoek
website www.capenature.co.za
enquiries Alana Duffell-Canham
telephone +27 21 866 8000 **fax** +27 21 866 1523
email aduffell-canham@capenature.co.za
reference SSD14/2/6/1/8/4/POSaldanha_3rdTippler_Transnet
date 26 July 2013

Dr Norbert Klages
Gibb Public Participation Office

By email: orextippler@gibb.co.za

Dear Dr Norbert

Re: Proposed 3rd Tippler and associated infrastructure, Port of Saldanha (Transnet Iron Ore Tippler 3) – Draft Basic Assessment Report.

CapeNature would like to thank you for the opportunity to comment on this proposed activity and wish to make the following comments:

1. The site for the proposed tippler and associated infrastructure appears to be covered by Saldanha Flats Strandveld. Although the List of Threatened Ecosystems published at the end of 2011 under the National Environmental Management: Biodiversity Act (NEMBA) actually lists Saldanha Flats Strandveld as Vulnerable (and no longer Endangered as listed by the South African vegetation map) CapeNature has recently undertaken to reinvestigate the remaining extent of these vegetation types. It was found that Saldanha Flats Strandveld only has 36% of its original extent remaining – it thus meets the criteria for listing as Endangered in terms of Section 52 of the Biodiversity Act.
2. Although the tippler site has been largely degraded and lies between a road and railway, it is unclear from the information provided exactly what other areas (location and size) will be affected by activities such as the relocation of the bridge as well as the condition of the vegetation on these sites. Site offices, laydown areas, storage areas for rubble after demolition etc. all need to be identified and indicated as part of the EIA process along with photographs and a detailed description of all sites (not just the tippler alternatives) to be affected by this proposed development.

CapeNature reserves the right to revise initial comments and request further information based on any additional information that may be received.

Yours sincerely



Alana Duffell-Canham
For: Manager (Scientific Services)

The Western Cape Nature Conservation Board trades as **CapeNature**

Board Members: Dr Colin Johnson (Chairperson), Ms Francina du Bruyn (Vice Chairperson), Mr Mico Eaton, Dr Edmund February, Prof Francois Hanekom, Mr Eduard Kok, Mr Carl Lotter, Dr Bruce McKenzie, Ms Merle McOmbring-Hodges, Prof Gavin Maneveldt, Adv Mandla Mdludlu, Mr Danie Nel

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MOORREESBURG, 7310

Telefoon/Phone (022) 433 8400
Faks/Fax Nr. 086 6926 113

E-Mail Adres/Address :
westcoastdm@wcdm.co.za

31 July 2013

GIBB Public Participation Office: Transnet Iron Ore Port
GIBB (Pty) Ltd
PO Box 3965
CAPE TOWN
8000

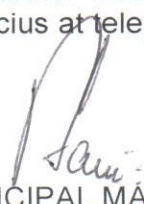
Dear Dr Klages,

**COMMENTS: DRAFT BASIC ASSESSMENT REPORT: PROPOSED TIPPLER 3,
PORT OF SALDANHA: DEA REFERENCE 14/12/16/3/3/1/895.**

Receipt of the Draft Basic Assessment Report on CD with reference J31459A100 Draft BAR is hereby acknowledged and this office has the following comments:

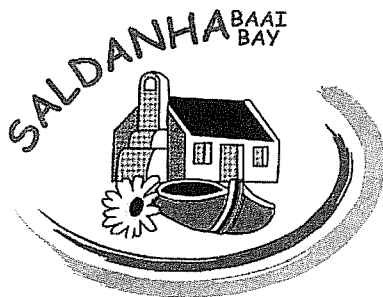
- An application for a variation to the Provisional Atmospheric Emission Licence (PAEL) must be submitted to the Licensing Authority;
- The duly completed application form must be included in the next phase of the report.

For further detail you are most welcome to contact Councils Air Quality Officer P Fabricius at telephone number 022 7135950 or 0823376131.


MUNICIPAL MANAGER
/PF

Copy:

- Directorate Pollution Management (For attention Dr. J Leaner), Western Cape Government, Environmental Affairs and Development Planning, Private Bag X 9086, Cape Town, 8000.
- The Municipal Manager, Saldanha Bay Municipality (For attention Ms R Toesie), Private Bag X12, Vredenburg, 7380.



Municipal Manager
Munisipale Bestuurder
Umphati kaMasipala
Privaatsak / Private Bag x12
VREDENBURG
7380

☎ (022) 701 7000 📠 (022) 715 1518

mun@saldanhabay.co.za
www.saldanhabay.co.za

MUNISIPALITEIT • MUNICIPALITY • uMASIPALA

MELD ASB ONS VERW NR:

PLEASE QUOTE OUR REF NO: 15/4/R

NGESICELO BONISA INOMBOLO:

DEA Reference Number: 14/12/16/3/3/1/895

Navrae:

Enquiries: N Duarte

iMibuzo:

GIBB Engineering and Science

PO Box 3965

Cape Town

8000

Email:orextippler@gibb.co.za

ATT: Dr Nobert Klages

Dear Sir

COMMENTS: DRAFT BASIC ASSESSMENT REPORT FOR THE PROVISION OF A THIRD TIPPLER AND ASSOCIATED INFRASTRUCTURE AT THE PORT OF SALDANHA

1. The Draft Basic Assessment Report ("DBAR") for the Provision of a Third (3rd) Tippler and Associated Infrastructure at the Port of Saldanha dated 18 July 2013 refers.
2. The DBAR for the 3rd tippler for "back-up" (sic) is misleading because GIBB has been appointed to draft a Scoping Report for the expansion of the iron ore terminal with the vision of 4 tipplers. The third tippler is not just for maintenance or emergencies; it is envisioned for the expansion of the iron ore terminal.
3. For an alternative to be considered, it has to be reasonable and feasible. The second alternative (Technology alternatives), is neither reasonable nor feasible, therefore it should not be considered as an alternative.
4. The air quality assessment is based on no nett expansion as the third tippler is meant for maintenance and as a stand-by; not for operation simultaneously with the other two tipplers. This means that the third tippler may not be used operationally until all the relevant authorisations for the expansion of the iron ore terminal have been issued.
5. The air quality assessment also indicates that the effect of the air emissions with regard to the third tippler, in isolation has a small impact however continued mitigation efforts must be instituted to improve the existing air quality which is already compromised by the current

operations. This statement is indicative of the shortfall of dust fallout control measures and monitoring.

6. The recommendation by the specialist; to implement a fallout monitoring network should be implemented.
7. It is of concern that the Basic Assessment indicates that although the third tippler contributes a small amount of the total particulate emissions compared to other sources, the operation of a third tippler; let alone a fourth tippler which is earmarked for the expansion of the iron ore terminal could potentially lead to a situation where the combined emissions will exceed legislative prescripts.
8. Whilst the Strategic Integrated Project 5 ("SIP5") and the National Spatial Development Perspective ("NSDP") has to be taken into consideration, the affected communities of the Saldanha Bay are not satisfied with the measures put in place thus far to protect their property from the iron ore dust nuisance to date as is evident from Appendix E3 (Comment and Response Report). Even though the Environmental Assessment Practitioner clearly states that this Basic Assessment will not deal with historical issues, the historical issues indicate that there is a problem which is not being addressed.
9. In light of the above mentioned and due to numerous complaints having been received by this authority over the period of operation of the plant (of which the proposed tippler will form part) it is imperative that the existing situation be addressed satisfactorily before future expansion be considered i.e. reducing the nuisance factor and any associated risks.
10. The semi enclosed conveyor belt carrying iron ore from the third tippler will be contributing to the red dust problem in the Saldanha Bay municipal area.
11. Provision should be made for a long term process for the removal/control of alien vegetation in the disturbed areas because there will be seed banks which will not be collected during site clearance.
12. Please also take into consideration the setback/hazard line studies being conducted by Royal Haskoning DHV for the west coast.


pp
Mr LA Scheepers
Municipal Manager
Date: 19-08-13

cc: Head of Component: Land Management Region 2
Department of Environmental Affairs and Development Planning,
Private Bag X 9086
CAPE TOWN 8000
alvan.gabriel@westerncape.gov.za
Att: Alvan Gabriel

Department of Environmental Affairs
Private Bag X 447
Pretoria 0001
mrabothata@environment.gov.za
Att: M Rabothata

Enquiries: Troy Smuts
Tel: 021 483 9543
Email: justin.bradfield@pgwc.gov.za

Date: 21/08/2013
Case No: 130723TS31
Auto IDs: 2265 - 2556



RESPONSE TO NOTIFICATION OF INTENT TO DEVELOP
In terms of section 38(8) of the National Heritage Resources Act (Act 25 of 1999)
and the Western Cape Provincial Gazette 6061, Notice 298 of 2003

Attention: Dr Norbert Klages
PO Box 63703
Greenacres
Port Elizabeth
6057

CASE NUMBER: 130723TS31
NID: PROPOSED THIRD TIPPLER AND ASSOCIATED INFRASTRUCTURE AT THE PORT OF SALDANHA, SALDANHA

The matter above has reference.

Your NID dated 8 August 2013 was tabled and the following was discussed:

1. The proposal is to construct an additional tippler
2. The new tippler building will be a steel superstructure with galvanized and painted steel sheet covers/ cladding, windows and doors including the brick and concrete control room.
3. It will house two cranes of 20 ton lifting capacity, including their rails. The proposed new conveyor tunnel is expected to be ± 160 m long.
4. Palaeontological and archaeological resources of the Langebaan area is well known for its rich heritage resources.
5. The footprint of tippler 3 has been cleared previously for construction purposes when the Port was built.

Decision:

1. Heritage Western Cape has no objection to the development proceeding.
2. Palaeontological monitoring of all bulk earth works is required and a report submitted to HWC for comment prior to construction of the structure is required.



Enquiries: Troy Smuts

Tel: 021 483 9543

Email: justin.bradfield@pgwc.gov.za

Date:

21/08/2013

Case No:

130723TS31

Auto IDs:

2265 - 2556

Terms and Conditions:

1. This approval does not exonerate the applicant from obtaining local authority approval or any other necessary approval for the proposed work.
2. If any heritage resources, including archaeological material, palaeontological material, graves or human remains, are encountered work must cease and they must be reported to Heritage Western Cape immediately.
3. Heritage Western Cape reserves the right to request additional information as required.

Should you have any further queries, please contact the official above and quote the case number above.

Yours faithfully

Andrew B Hall
Chief Executive Officer
Heritage Western Cape



Member of IUCN, International Union for Conservation of Nature and Natural Resources

Reg No: 001 - 298 NPO

PBO Exemption No: 930004518

29th August 2013

To: **GIBB Public Participation Office: Transnet Iron Ore Port EIA**

PO Box 3965, Cape Town, 8000

Tel: +27 21 469 9294 (Mon – Fri 09h00 – 16h00)

Fax: 086 242 0278

Email: orexport@gibb.co.za

REF: J31459/3230/GF/mp

RE: BirdLife South Africa's comments on the provision of a third tippler and associated infrastructure at the Port of Saldanha.

BirdLife South Africa would like to provide comments on the abovementioned development application and specifically the Draft Basic Assessment Report.

BirdLife South Africa recognises the need for development in this municipal region, and in particular the need for job creation within the region. However BirdLife South Africa supports sustainable development which will not jeopardise the long-term future of the environment and socio-economic conditions of this area.

BirdLife South Africa also recognises that this region has been identified as part of the Saldanha Industrial Development Zone and the export of Iron Ore is a vital income earning activity for the country. However there are concerns regarding this development which should be addressed in a full Environmental Impact Assessment and the associated Environmental Management Plan. The reasons for BirdLife South Africa's concern regarding this application include:

- The presence of threatened vegetation types and a Critical Biodiversity Area as outlined in the Draft Basic Assessment Report. The presence of the endangered Saldanha Flats Strandveld is cause for concern since this vegetation type is not well protected, and construction activities would no doubt impact negatively on the vegetation, as all tippler alternatives are located within this vegetation type (Page 5 Impact Assessment Report).
- In addition the 11Kv Powerline location within the endangered Saldanha Limestone Strandveld is further cause for concern and results in a further loss to biodiversity.

- Due to the fact that "construction activities may result in damage to or the destruction of endangered vegetation types" (Page 5 Impact Assessment Report Appendix F) BirdLife South Africa would support the preferred alternative (Alternative 1), as this has the lowest impact on the vegetation.

The site is located to the north of the global Important Bird and Biodiversity Area SA 105; West Coast National Park and Saldanha Bay Islands. The Langebaan Lagoon and the Saldanha Bay Islands provide important habitat for a number of different bird species including threatened, endemic and significant congregatory populations.

The threatened species include Greater and Lesser Flamingo, African-Marsh and Black Harrier and Caspian Tern, among others. The Important Bird and Biodiversity Area hosts up to 15 different species in significant numbers (greater than 0.5% of the total biogeographic population of that species).

A full list of these species can be made available. Many of these species are migratory birds who travel from Europe to over-winter in South Africa. The protection and conservation of these species is therefore not only a national issue, but of global importance and re-iterated by South Africa's involvement on various multi-lateral treaties specifically the African-Eurasian Migratory Waterbird Agreement.

In addition this site is a designated Ramsar site, and thus is considered to be a wetland of international significance. South Africa as a signatory to the Ramsar convention has a responsibility to provide for the conservation and wise-use of such wetlands.

The proximity of the development to the Important Bird and Biodiversity Area and Ramsar site is not recognised in the Draft Basic Assessment Report and BirdLife South Africa would therefore request that full consideration of the impact on these be given in the Environmental Impact Assessment.

Regards,



Carolyn Ah Shene-Verdoorn
Policy & Advocacy Manager
BirdLife South Africa

DEA REFERENCE NUMBER: 14/12/16/3/3/2/260
DEA&DP & CMU REFERENCE NUMBER: 17/1/4 & CMU 004/2013
ENQUIRIES: Ms. C. George
DATE OF ISSUE: 29 AUG 2013

The Director
GIBB Consulting
PO Box 63703
PORT ELIZABETH
6057

For attention: Dr N. Klages

Tel: (041) 392 7500
Fax: (041) 393 9300

Dear Sir

COMMENTS ON THE DRAFT BASIC ASSESSMENT REPORT FOR THE PROPOSED PROVISION OF A THIRD TIPPLER AND ASSOCIATED INFRASTRUCTURE AT THE PORT OF SALDANHA.

Your correspondence and draft Basic Assessment Report ("BAR") dated and received by this Department in July 2013, refers.

1. The Coastal Management Unit "CMU" has reviewed the BAR and has the following comments:

1.1 The CMU does not support Site Alternative 3, this alternative involves excavating into the edge of a 20m high, vegetated dune. This excavation will destroy part of the sensitive dune ecosystem and can cause further destabilisation of the dune belt which forms an integral part in the protection of coastal properties/development from inundation and storm surge.

1.2 It is imperative that the dust impact be strictly managed by adhering to the mitigation measures outlined in the EMP and the standards set in the Air Emissions Licence.

1.3 Furthermore, the penalties relating to the "Dust or excess noise on or emanating from the site" should be increased. A suggestion would be to increase the penalty to the same value as that of "Polluting natural water bodies".

2. The CMU takes cognisance that further authorisations/permits may be required. Please note that due to the nature of the proposed development, the CMU may provide further comment in respect of those applications.

The CMU reserves the right to revise or withdraw comments or request further information based on any information received.

Yours faithfully



HEAD OF DEPARTMENT

CC: Mr. L. Scheepers (Saldanha Bay Municipality)
Ms. M. Rabothata (DEA)

Fax: (022) 715 1518
Fax: (012) 320 7539

29 August 2013

GIBB Public Participation Office
P.O Box 3965
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8000
Email: orextippler@gibb.co.za
Fax: 086 242 0278

**Comment on the Draft Basic Assessment Report for the
Proposed Provision of Third Iron Tippler Port of Saldanha
DEA 14/12/16/03/03/01/895**

Dear GIBB Public Participation Office

Thank you for providing us with the opportunity to comment on the draft Basic Assessment Report for the above proposed development.

The Cape West Coast Biosphere Reserve (CWCBR), of the UNESCO: Man and Biosphere Programme, aims to implementing sustainable development principles along the West Coast, in addition to integrating rapid growth with biodiversity and heritage conservation. The CWCBR extends from the Diep River in the south to the Berg River in the north and inland to Malmesbury and therefore the proposed development is located within the CWCBR. In this regard, the CWCBR would like to comment as follows:

Biodiversity and Ecology

- The development layout must be determined by the environmental sensitivity of the site. Buffer zones must be provided for around areas identified as high conservation value to buffer against edge effects. The delineation of the areas of high conservation value must be undertaken by the botanical specialist.
- All listed alien plants must be removed from the property in accordance with the Conservation of Agricultural Resources Act (CARA) (Act 43 of 1983).
- Roads going through natural vegetation cannot be used and no construction of new roads is allowed passing through the natural vegetation

Planning

- The proposed development must comply with spatial development frameworks and other municipal and provincial spatial planning and zoning schemes. Motivation must be provided for any deviation from these planning frameworks. Industrial developments must be located in areas zoned for industry.



DIRECTORS

SC February Mrs (Chair), ME Halvorsen (Vice- Chair), IAJ de Villiers,
W Louw, KHB Harrison, M Fredericks, WR Rauch, D van Driel

Green Technology

- The Basic Assessment report must detail a cradle to grave approach with regard to making use of green technology and greening principles. This entails employing the above-mentioned principles in all aspects and all phases of the development, starting from the sourcing of the products until the exit of the manufactured product. Therefore in the Final Basic Assessment report it must be detailed how environmentally friendly principles have been applied to the following (amongst others):
 - The raw materials sourced that are used at any stage of the process (including credentials of suppliers)
 - Transportation (including vehicle emissions and damage to roads from heavy-duty trucks)
 - Construction of any buildings or structures
 - All processes required for the manufacture of products
 - Use of alternative technologies as opposed to placing further burden on the provision of bulk services
 - Waste production and removal (including the end-point of waste materials)
 - Contributions by the company to upgrading of municipal and/or national bulk infrastructure where alternative technologies are not possible.
 - Specialist studies must be undertaken and included in the Final Basic Assessment Report on the impact of air, noise, surface water, groundwater, smell and visual pollution.
 - Contributions by the company to environmental and social programmes

Socio-Economic Development

- The project must make use of local labour. Statistics of the origin of labour used in both construction and operation must be reported on a monthly basis at the Environmental Monitoring Committee (EMC) meetings and/or to the Environmental Control Officer (ECO).
- Potential contributions by the company to social and economic upliftment should be detailed in the Final Basic Assessment Report
- Potential contributions to local gross domestic product (GDP) and total jobs created should be detailed in the report.

Tourism

- The West Coast has been identified as an area that has high potential for economic growth in both the industrial and the tourism sectors. These sectors are however not always compatible. A specialist impact assessment must be undertaken on the impact of the development on tourism.

Monitoring

- An independent Environmental Control Officer (ECO) must be appointed to oversee the construction phase and operational phase of the development. Monitoring must be according to the approved Environmental Management Plan (EMP) and monthly reports must be submitted by the ECO indicating compliance or non-compliance.
- An Environmental Monitoring Committee (EMC) must be established that includes representatives of the developers, DEA&DP, the ECO and civil society. The EMC should meet on a monthly basis and the ECO must present the monthly report. The EMC should continue through to the operational phase of the development.
- A monitoring programme must be established to determine the potential increase of pollutants emitted by the proposed development. This must include baseline data from prior to the initiation of operations.
- A search and rescue programme for fauna and flora must be undertaken prior to any clearing of vegetation. The specimens must be relocated to the natural area within or adjacent to the

development. Search and rescue specimens must be transplanted as soon as possible to ensure survival.

Membership of the Cape West Coast Biosphere Reserve

- GIBB Pty Ltd is hereby encouraged to become members of the CWCBR whereby a mutually beneficial relationship can be formed.

The Cape West Coast Biosphere Reserve withholds the right to submit further comment as additional information regarding the development in question becomes available.

The Cape West Coast Biosphere Reserve withholds the right to submit further comment as additional information regarding the development in question becomes available.

Regards,

A handwritten signature in black ink, appearing to read 'J. vd Merwe', with a stylized flourish at the end.

Jacques vd Merwe
Conservation Manager: CWCBR



**Western Cape
Government**

Environmental Affairs and
Development Planning

**DIRECTORATE: LAND MANAGEMENT
REGION 2**

REFERENCE NUMBER: 16/3/1/6/6/F4/17/3140/13

DEA REFERENCE NUMBER: 14/12/16/3/3/1/895

ENQUIRIES: Ms. Helen Jordaan

DATE OF ISSUE: 30 AUG 2013

The Director
Department of Environmental Affairs
Environmental Impact Evaluation
Private Bag X447
PRETORIA
0001

For Attention: Ms. M. Rabothata

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Fax: (012) 320 7539

Dear Madam

COMMENTS ON THE DRAFT BASIC ASSESSMENT REPORT FOR THE PROPOSED TRANSNET THIRD IRON ORE TIPPLER AND ASSOCIATED INFRASTRUCTURE AT THE PORT OF SALDANHA, SALDANHA BAY.

The correspondence with respect to the application (Department of Environmental Affairs ("DEA") Reference Number: 14/12/16/3/3/1/895) received by this Department on 25 June 2013, this Department's acknowledgement thereof dated 08 July 2013 and the draft Basic Assessment Report ("BAR") dated 18 July 2013 and received by this Department on 19 July 2013, refer.

This Directorate has the following comments:

1. Location

- a. As the proposed third tippler will be located approximately 1.4 kilometres north of the two existing tipplers, the radius of the associated impacts will be significantly increased.

2. Traffic

- a. A traffic management plan must be compiled and implemented for public commuting routes which will be closed for periods during the construction phase of the proposed development.

3. Dust impacts

- a. Although dust mitigation measures will be implemented for the proposed development, the Basic Air Quality Assessment dated July 2013 included as part of the BAR highlights that the existing air quality is already compromised by the current operations.

- b. It is noted that both particulate matter and total suspended particles at the tippler can be reduced by air filtration as a mitigation measure, as displayed in Table 4 - 1 on Page 4 – 2 of the aforementioned Basic Air Quality Assessment. However, this is not the case for the conveyor or stacker / reclaimers where emission levels remain high, even after mitigation. Therefore, further mitigation measures need to be investigated.
- c. The prevailing wind in Saldanha Bay is in a southerly direction, towards the ocean, in winter. This, combined with the winter rainfall in Saldanha Bay and the affinity of dust for water may have detrimental effects on the surrounding marine environments. The aforementioned Basic Air Quality Assessment must include these potential impacts for investigation.
- d. Threshold levels of the acceptable average concentration of dust within residential and non-residential areas are not provided in the aforementioned Basic Air Quality Assessment. Although the proposed development falls within a non-residential area, it occurs within close proximity to a residential area. There is no indication in the study as to the limits for maximum acceptable average concentrations within the non-residential area abutting a residential area.

4. Potable Water

- a. The use of potable water for dust suppression is unacceptable. The efficacy of alternative dust suppression methods, such as shade netting screens and/or straw stabilisation, etc. should be investigated and considered.
- b. Confirmation must be obtained from the Saldanha Bay Municipality with respect to the availability of sufficient, spare, unallocated water prior to an Environmental Authorisation being issued for the proposed development.

5. Ground water

- a. This Department notes the mention of a shallow water table and the lack of knowledge of geotechnical conditions at the site proposed for development. Impacts on ground water may be experienced due to the need for excavation and blasting down to rock level for the installation of the third tippler. Ground water pollution and the surfacing of water surrounding the tippler as a result of the installation of impervious materials may have knock-on effects elsewhere. These impacts should be investigated as part of the Basic Assessment process.
- b. Although the proposed tippler structure allows for a subsoil drainage system which feeds a sump with permanent pumps and this groundwater is to be pumped to a lined dam close to tippler 3, the position of this dam has not been identified in the BAR. The impacts associated with the diversion of this groundwater are to be investigated further. In addition, the point of water discharge or, in the case of re-use, the purpose thereof, must be included in the final BAR.

6. General

- a. The purpose of the proposed third tippler, as identified in the BAR, is to alleviate one of the existing tipplers during routine maintenance, repair work or as a backup should one of the existing tipplers be out of service. The proposed third tippler is not intended to operate simultaneously with the two existing tipplers, therefore no net increase of the iron ore exports will result from the proposed development. This being said, it must be highlighted that should this proposed development be approved and should it be the intention for Transnet to operate all three tipplers simultaneously, the infrastructure to do so will already be in place and an Environmental Impact Assessment will not be required in future. As such this application must be considered in light of Transnet's future plans, particularly in view of the comments from the Saldanha Bay Municipality with regards to the current unsatisfactory situation in the

surrounding residential areas resulting from the dust nuisance and further potential cumulative impacts as a result of potential expansion of activities at the plant.

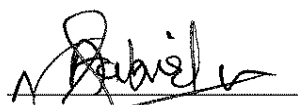
- b. It is noted in the project description on Page 3 of the BAR that "Transnet are not seeking an expansion of their iron ore export operations through this Basic Assessment". However, a potential fourth tippler is mentioned throughout the BAR. Although this potential fourth tippler is not to be built now and is not included in this application, this Department is concerned as to whether this third tippler will form part of an expansion of the tippler facility and, as such, the Basic Assessment process may be misleading.

7. Additional comments on this project will be provided following the submission of further information during the Basic Assessment process and upon receipt of the final BA Report.

This Directorate reserves the right to revise or withdraw any comments or request further information from you based on any information that might be received.

Your interest in the future of our environment is greatly appreciated.

Yours faithfully


HEAD OF DEPARTMENT

Copy to: Dr. N. Klages (Gibb Environmental)

Ms. N. Duarte (Saldanha Bay Municipality)
Mr. P. Fabricius (West Coast District Municipality: Air Quality)
Mr. P. Harmse (Western Cape Government: Air Quality)

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