

Public meetings were held during the Scoping Report comment period to present the project and EIA process to stakeholders, and allow stakeholders an opportunity to raise questions and offer suggestions. Details of the date, time and venue of the meetings is provided below, while meeting notes can be found in *Annex C* and attendance registers from the meetings have been included as *Annex D*. A copy of the presentation given at the meetings is presented in the following pages.

Date: 6 February 2018

Venue: Premier Hotel The Richards, 3 Hibberd Dr, Meer En See, Richards Bay

Time: 17:30, the project team will be available at the venue from 16:00

Date: 7 February 2018

Venue: Gooderson Tropicana Hotel, 85 OR Tambo Parade, South Beach, Durban

Time: 17:30, the project team will be available at the venue from 16:00

Date: 8 February 2018

Venue: Port Shepstone Country Club, Port Shepstone

Time: 17:30, the project team will be available at the venue from 16:00

# EIA for Exploration Drilling within Block ER236, Deepwater off the East Coast of South Africa

Scoping Phase Public Meetings

February 2018



# Welcome

---

- Purpose of the meeting
- Introduction to team members
- Meeting etiquette

# Agenda

1. Introduction to Eni and ERM
2. Part 1: Project Overview
  - Project Background and Motivation
  - Project Context
  - Project Description
  - Project Alternatives
3. Part 2: EIA Process Summary
  - Scoping Phase
  - EIA Phase
  - Potential Impacts Review
  - Specialist Studies
  - Public Participation Process
4. Discussion
5. Way Forward



Source: Shutterstock



Source: Shutterstock



**Eni: a leading Italian energy company, a leading global explorer**

**Alessandro Gelmetti**  
**MD, Eni South Africa**

## Eni – our mission

We are an energy company. We are working to build a future where everyone can access energy resources efficiently and sustainably. Our work is based on passion and innovation, on our unique strengths and skills, on the quality of our people and in recognising that diversity across all aspects of our operations and organisation is something to be cherished. We believe in the value of long term partnerships with the countries and communities where we operate.

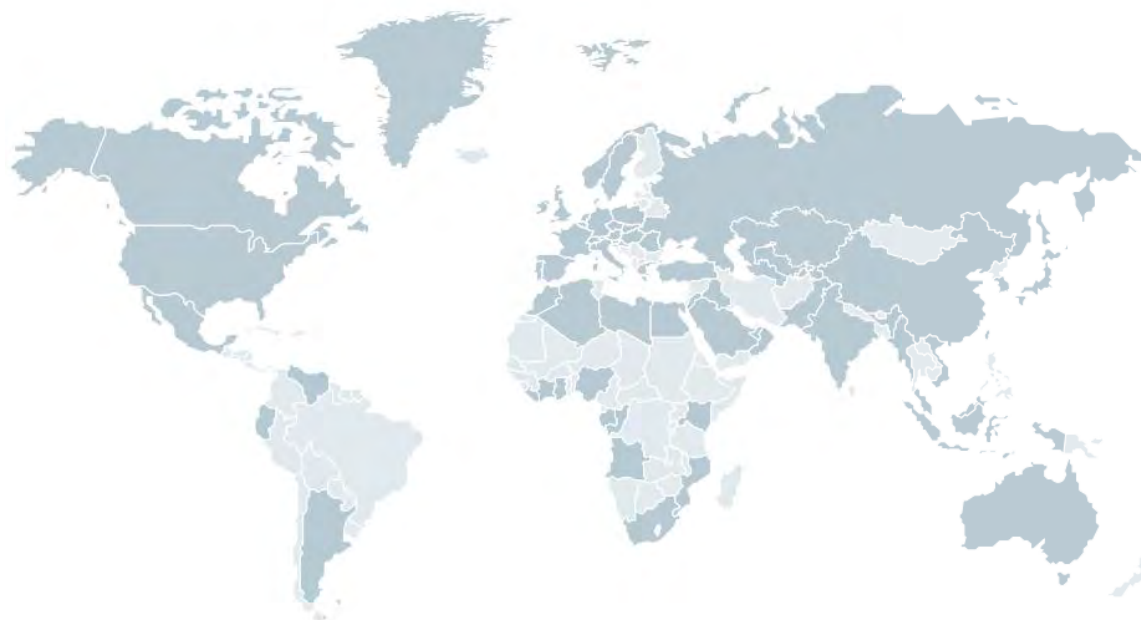


## Eni – At a glance



Claudio Descalzi  
Eni's CEO

*Our successes are to a great extent due to our exploratory effectiveness, which is the result of advanced technology and our highly-qualified personnel. Our ability to create value over time is also thanks to our relationship networks with countries.*



**73** countries  
in the world



**33k**  
employees



**161** mln €  
R&D costs



**67** mln €  
Community Investments



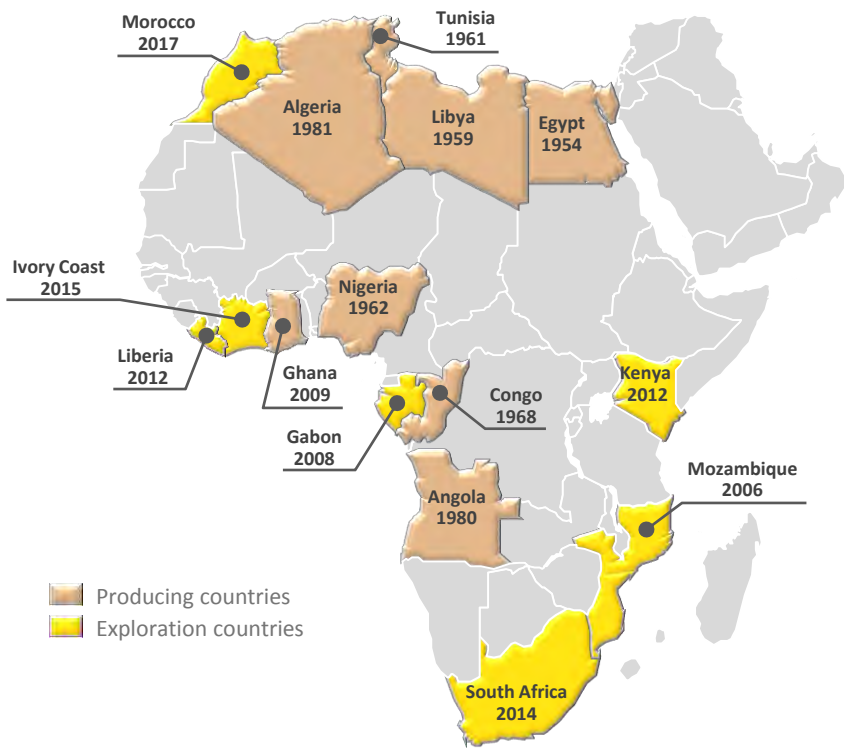
**3.4** bn  
boe of resources  
discovered in the three-  
year period 2014-16



**7.5** bn  
boe of certain  
hydrocarbon reserves



# Eni in Africa – Key Highlights



■ Producing countries  
■ Exploration countries

exploration driven value and growth
high-value projects
operational efficiency



**14**  
Countries  
in Africa where we operate



**3,742**  
people  
who work with us

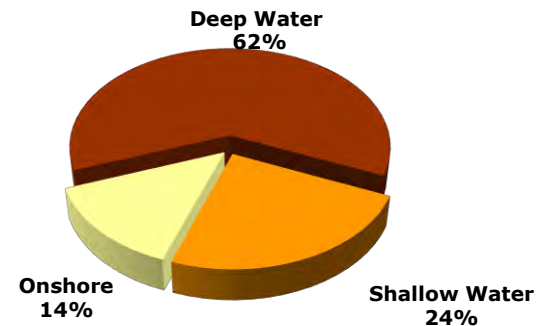


**3,077**  
mm/boe  
net proved reserves of hydrocarbon



**1,003**  
Kboe/d  
hydrocarbon production

## Eni's Acreage in Africa by Type





## Eni and energy transition



Claudio Descalzi  
Eni's CEO

*We have two great challenges ahead of us and we have to find a way of reconciling them: maximizing access to energy and combating climate change, in order to keep the temperature increase under 2 °C, a level beyond which we will generate irreversible damage to the environment. (ESG presentation and the new Mission – Paris 30 Sept. 2016)*



**-43 %**

GHG (greenhouse gases)  
in 2025 vs 2014



**0**

gas flaring in our  
processes by 2025



**-80 %**

fugitive methane  
emissions in 2025 vs  
2014

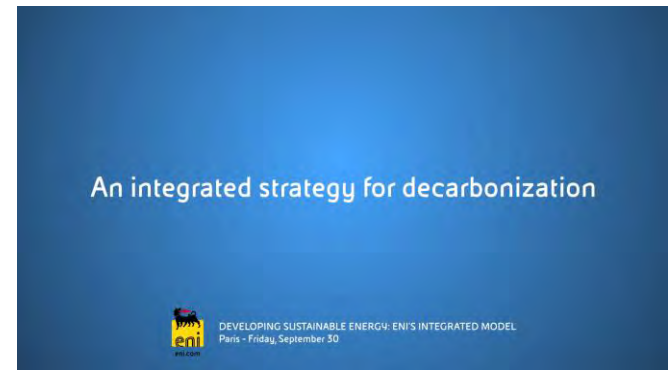


**1** bln

\$ being spent over  
the next 10 years to  
fight climate change



year on year continue  
improvement trend in safety  
performances



# Introduction to ERM

- ERM has been appointed as the independent Environmental Assessment Practitioner (EAP)
- ERM is responsible for completing the Environmental Impact Assessment (EIA) and facilitating the public participation process, including active involvement of Interested and Affected Parties



Source: ERM



Source: ERM

## The EIA Project Team includes:

- Ingeborg McNicoll – Senior Partner
- Claire Alborough – Project Manager
- Lindsey Bungartz – Stakeholder Engagement
- Khosi Dlamini - Consultant

# PART 1: Project Overview



# Project Background and Motivation

---

- At a strategic level the South African government promotes the sustainable exploration and development of oil and gas reserves, for example through Operation Phakisa which includes offshore oil and gas as a focus area.
- Improvements in exploration technology and the need for South Africa to diversify it's energy mix has resulted in increased interest in exploration activity off South Africa's coast



Source: Shutterstock



Source: Shutterstock

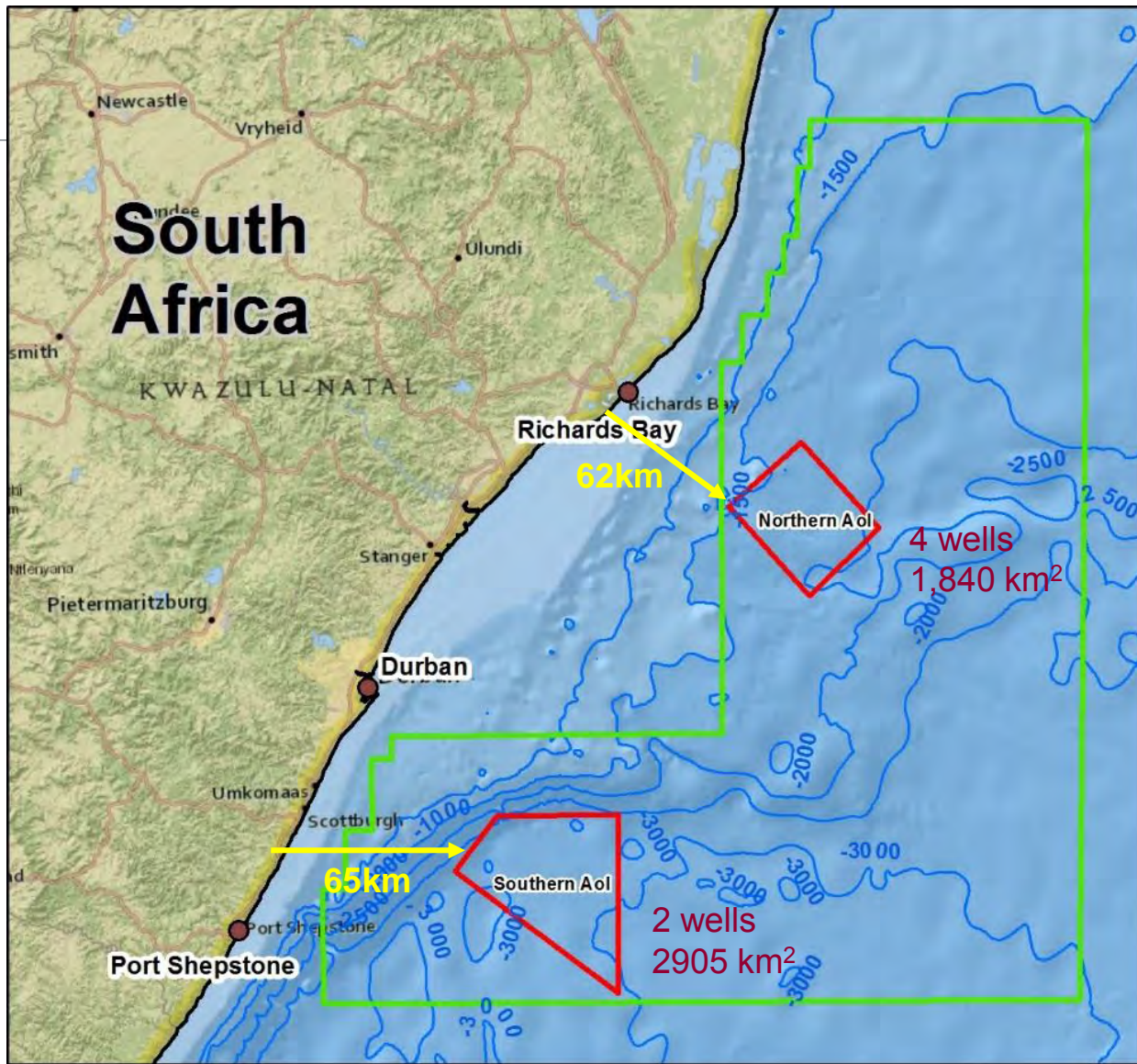
# Project Context

---

- Eni South Africa BV (Eni), and Sasol Africa Limited (Sasol) hold an Exploration Right off the East Coast of South Africa Block ER236 (12/3/236)
- Eni and Sasol are considering conducting an exploration drilling programme in Block ER236 to determine the presence of hydrocarbons
- Eni is considering drilling up to 6 deep water wells within the Block ER236:
  - 4 wells within a northern area of interest
  - 2 wells within a southern area of interest
- The success of the first well in each area will determine whether or not subsequent wells are drilled
- Exploration drilling will investigate the subsea geological structures to determine the presence of naturally occurring hydrocarbons: oil and/or gas

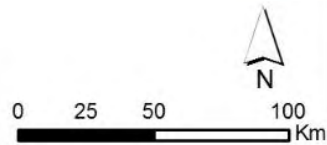


Source: Shutterstock



**LEGEND**

- AREA OF INTEREST
- ER236
- BATHYMETRY (500 m)
- NATIONAL BOUNDARY
- MAIN CITY



# Project Description: Main Project Components

---

- Offshore exploration well
- Deep water drillship
- Exclusion Zone around drillship
- Onshore logistics base (Richards Bay or Durban)
- Supply vessels, stand-by vessels and helicopters



Source: Shutterstock

*The business of sustainability*



Source: Shutterstock

# Project Phases

---

Project activities include the following phases:

- Mobilisation
- Drilling
- Well plugging and abandonment
- Demobilisation

All activities conducted will comply with South Africa legislation requirements, industry standards, and international good practice

[Video – “Offshore Deepwater Drilling Process”](#)



Source: Shutterstock



# Mobilisation

---

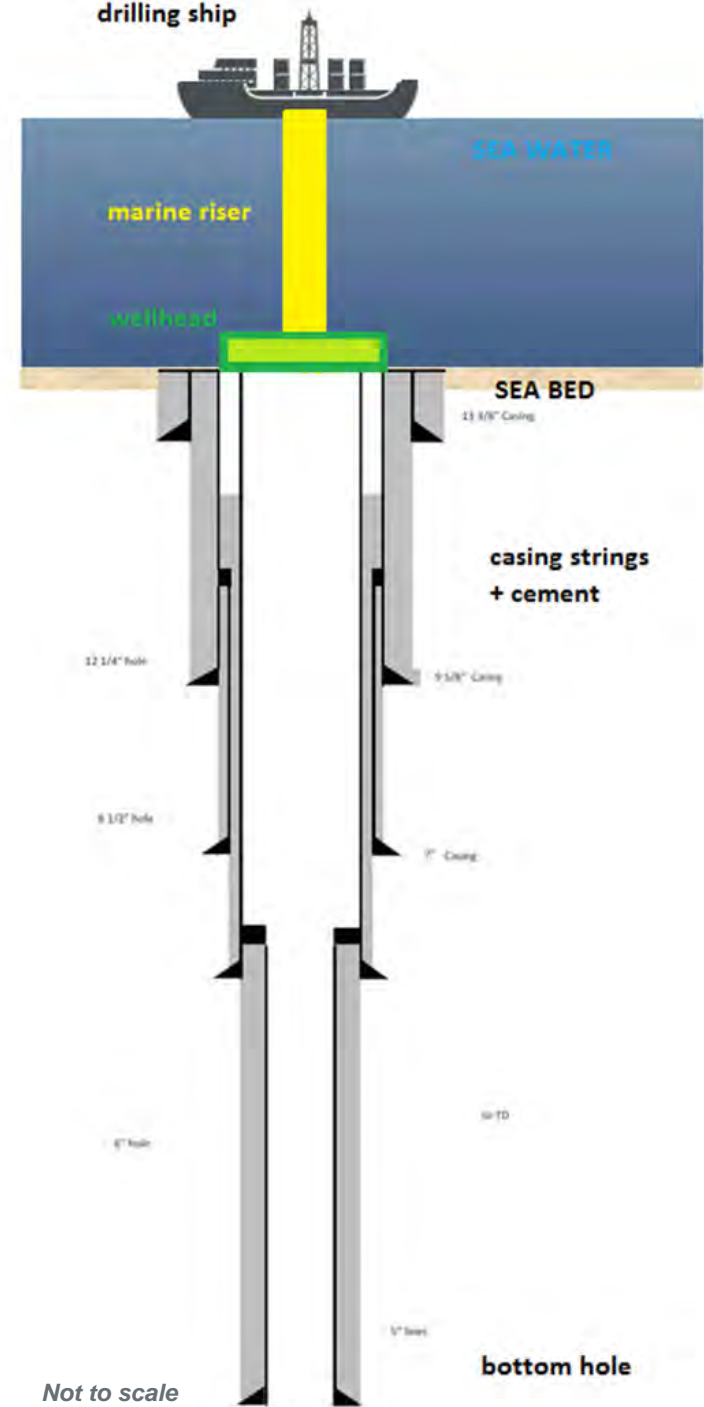
- The drillship will arrive directly on location
- Pre-drilling activities includes:
  - Seabed survey with Remote Operated Vehicle (ROV)
  - Positioning of well
  - Beacon placement
  - Dynamic positioning trials
- Navigation equipment (dynamic positioning, GPS and beacons) will keep the ship stable above the well location through all over operations



Source: Shutterstock

# Drilling

- Different drilling bits sizes are used to drill a series of telescoping holes, from the seabed to the total depth of the planned well
- Each hole is cased in a steel tube which is cemented in place to secure/seal the hole
- A blowout preventer (BOP) will be present at wellhead during drilling to prevent an uncontrolled release of hydrocarbons to surface/seabed
- The drilling activity proposed vertical well to a total depth of:
  - Northern Area: Approx 3,800 m - 4,100 m below the sea surface
  - Southern Area: Approx 5,450 m below the sea surface



# Drilling

## Well Logging

- Continuous testing is carried out on the drill cuttings transferred to the surface to obtain information on the presence of hydrocarbons

## Well Completion and Testing

- Well completion and well testing operations will only be conducted on the appraisal well if hydrocarbons are found



Source: Shutterstock



Source: Shutterstock

# Well Plugging and Abandonment, and Demobilisation

---

## Well Plugging and Abandonment

- The well is plugged by setting cement plugs inside the wellbore
- Plugs are tested for integrity to prevent leaks
- The blowout preventer will be then retrieved to surface

## Demobilisation

- Final Remote Operated Vehicle survey will be performed at seabed
- The drillship and support vessels leave the well location



Source: Shutterstock

# Project Alternatives

## Site Locality Alternative

- Well location
- Onshore Logistics Base
  - Durban
  - Richards Bay

## Design or Layout Alternatives

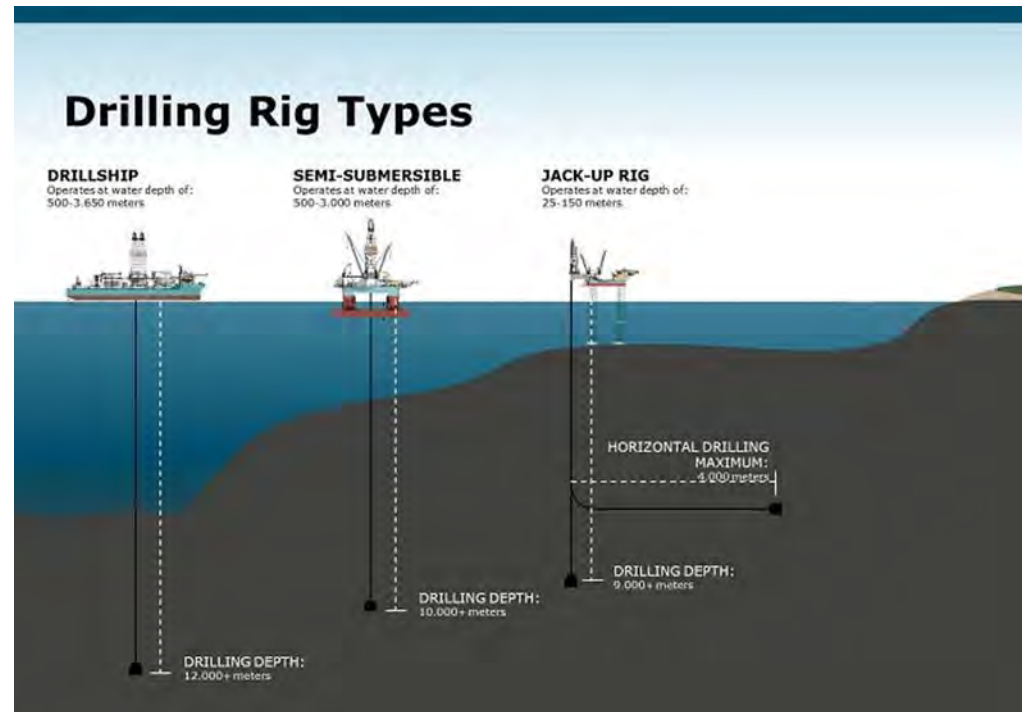
- Number of wells
- Time schedule

## No-Go Option

To be considered in the EIA in accordance with the requirements of the EIA Regulations, 2014

## Technology Alternative

- Drilling MODU alternatives
- Drilling fluids
- Drill cuttings disposal method
  - Offshore treatment and discharge to sea
  - Offshore pre-treatment and onshore disposal



Source: Maersk Drilling

# PART 2: EIA Process Summary



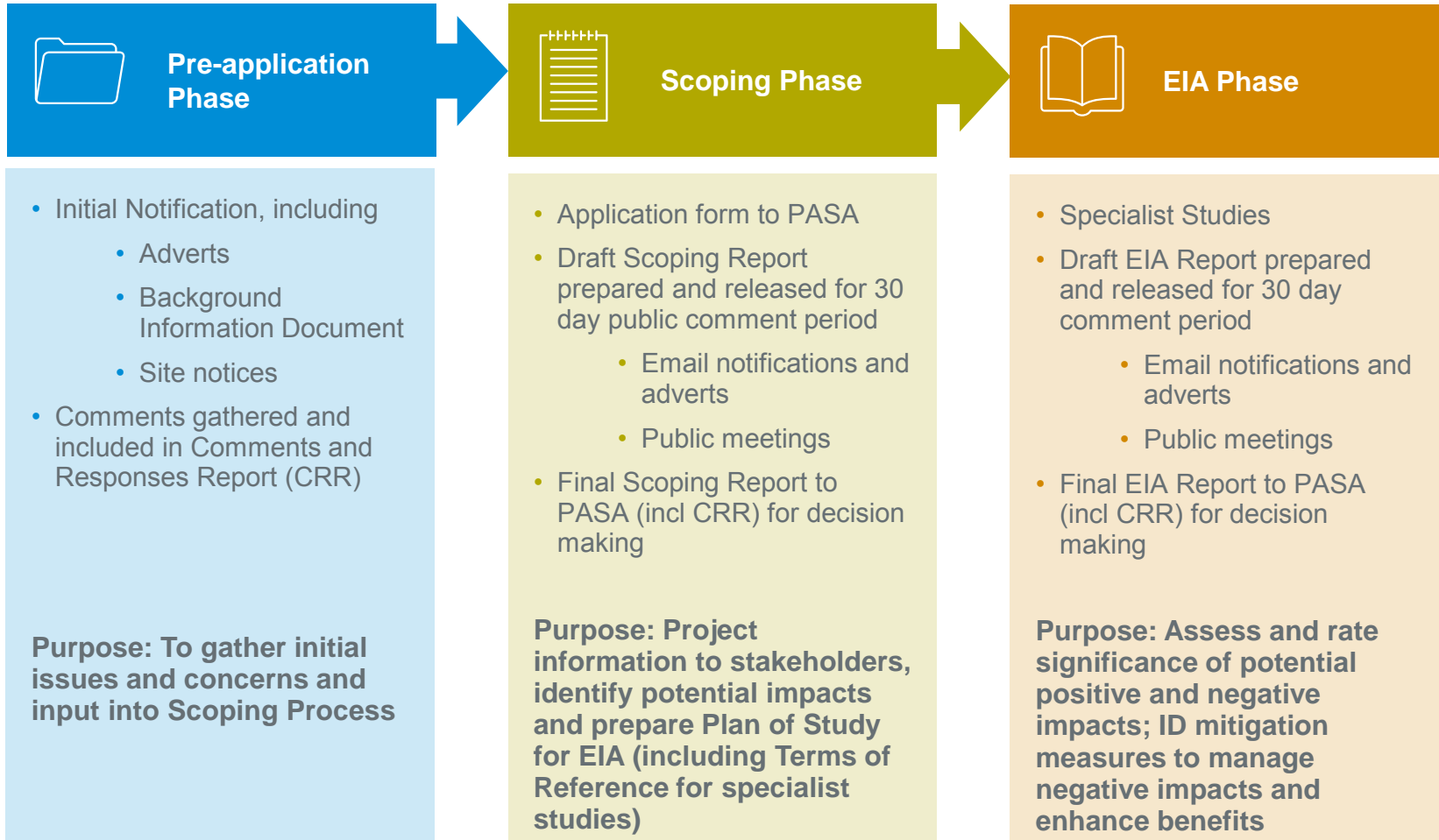
# Why is an EIA required?

---

## Full Scoping and EIA Processes in terms of:

- National Environmental Management Act, 1998, (Act No. 107 of 1998), as amended (NEMA)
- EIA Regulations (GNR 982) Listing Notice 1 (GNR 983), Notice 2 (GNR 984) and Notice 3 (GNR 985), as amended by Government Notices 324, 325, 326 and 327 in April 2017

# EIA Process





# Potential Impacts Review

---

Screening process undertaken to identify those proposed to be assessed during the EIA process

- Potential impacts from Routine Drilling Activities

- Seawater and sediment quality degradation
- Disturbance of marine organisms
- Disturbance to fishing (commercial and subsistence)
- Climate change

- Potential Impacts from Non-routine Events

- Marine pollution and disturbance of sensitive receptors and marine and potentially coastal habitats
- Community and workforce health and safety

# Summary of Potential Issues/Impacts (2)

---

## Other potential interactions identified

- Impact to local employment/Income generation
- Impact to local economy
- Degradation of air quality
- Increase in hazardous and non-hazardous waste disposal
- Physical disturbance of seabed
- Introduction of alien invasive species
- Visual impacts

# Specialist Studies

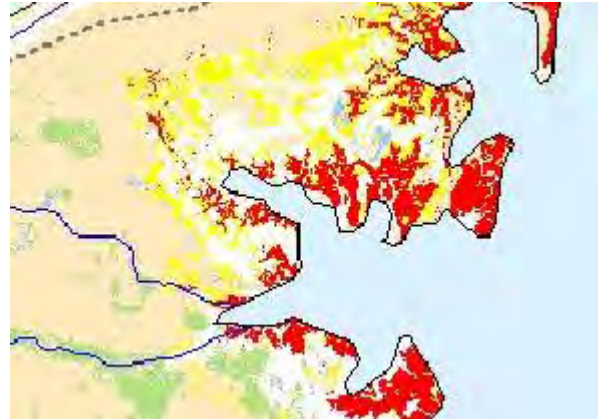
---

Proposed studies to address potential impacts include:

- Marine fauna
- Fisheries
- Oil Spill modelling
- Drill cuttings dispersion modelling



Source: ERM



Source: ERM



Source: ERM

# Public Participation

---

- Register as an I&AP:
  - Receive notification when reports are available for comment
  - Submit your comments, questions or suggestions to the Project team and receive a response as part of the EIA Report
- The Draft Scoping Report will available for comment until 22 February 2018 (released 22 January 2018)
- Draft EIA will be made available for a thirty (30) day public comment period



Source: ERM

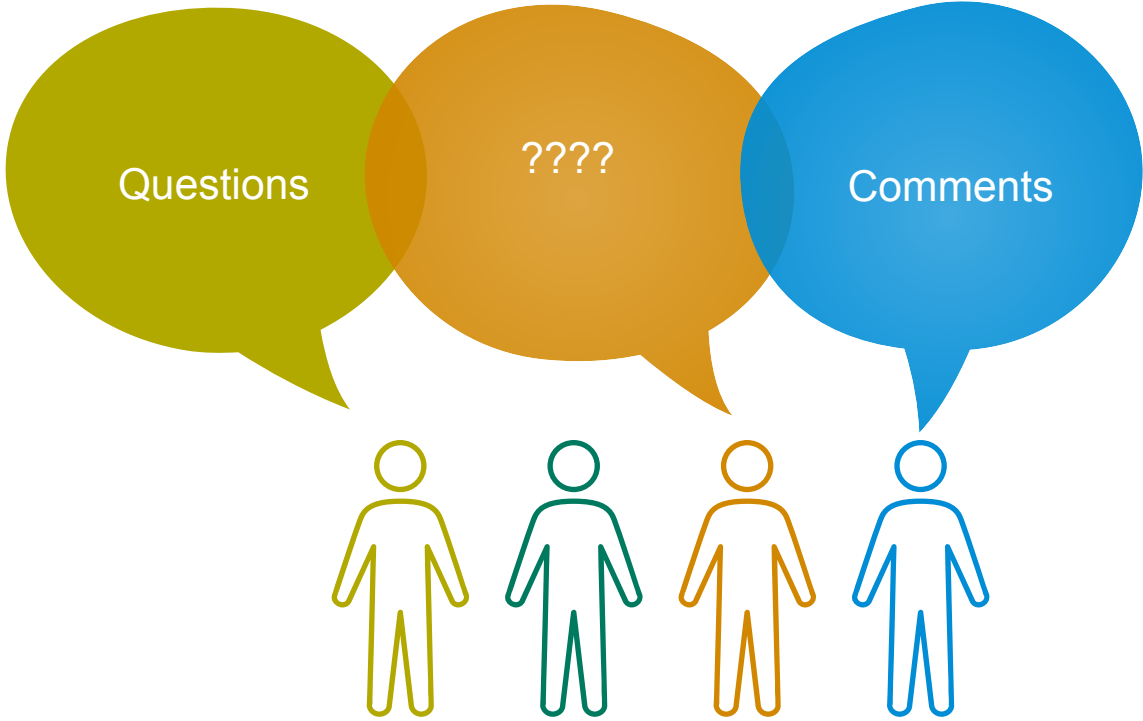
# Provisional EIA Schedule

---

Activity	Timing
Final Scoping Report Submission to PASA	March 2018
Scoping Report Approval	April 2018
Disclosure of Draft EIA Report	May 2018
Submission of Final EIA Report	July 2018
Environmental Authorisation	November 2018

# Discussion

---



# Further comments or queries

---

**Submit your comments on the Draft Scoping Report to  
ERM:**

**Email: [eni.offshore.eia@erm.com](mailto:eni.offshore.eia@erm.com)**

**Post: Postnet Suite 90, Private Bag X12, Tokai, 7966**

**Tel: 021 681 5400**

**Website: [www.erm.com/eni-exploration-eia](http://www.erm.com/eni-exploration-eia)**

Thank you for your participation

Based on requests made during the Public Meetings held on the 6, 7 and 8 February 2018 ERM prepared an isiZulu version of the Executive Summary which was uploaded to the website. In light of this, ERM made the decision to extend the comment period to 1 March 2018 to allow additional time for the review of the isiZulu version.

An email notification was sent to all stakeholders on the database to advise stakeholders of the extension of the comment period and the availability of the isiZulu Executive Summary. Proof of notification, together with the isiZulu Executive Summary are provided in the following pages

All comments received during the Scoping consultation period were captured in a Comment and Response Report, refer to *Annex C*.



## RE: Extension of Comment Period: EIA for Exploration Drilling within Block ER236, off the East Coast of South Africa

E

ERM South Africa Project ENI Offshore Exploration

Reply all |

Thu 2018-02-22 08:58 AM

Bcc: Molefe.Morokane@dmr.gov.za; khayaletu.matrose@dmr.gov.za; mamabefu.modipa@dmr.gov.za; kefilwe.chibogo@dmr.gov.za; motlount@petroleumagency.com; mekwel@petroleumagency.com; ngesip@petroleumagency.com; mushwanas@petroleumagency.com; vanderspuyd@petroleumagency.com; msolomons@environment.gov.za; nngcaba@environment.gov.za; DG@environment.gov.za; Ypeter@environment.gov.za; smunzhedzi@environment.gov.za; Gpopose@environment.gov.za; jmphepya@environment.gov.za; AndrewC@daff.gov.za; Mmeyer@environment.gov.za; oosthuizen@environment.gov.za; ajboyd@environment.gov.za; SiphokaziN@daff.gov.za; JusticeMA@daff.gov.za; SueM@daff.gov.za; muzi.mkhize@energy.gov.za; muziwise@yahoo.com; KimP@daff.gov.za; VeronicaM@daff.gov.za; DeonD@daff.gov.za; JanetC@daff.gov.za; christopherw@daff.gov.za; aats@caa.co.za; bwilliams@sahra.org.za; liz.mahlangu@sanparks.org; rnaicker@samsa.org.za; DBurgess@samsa.org.za; dmanley@samsa.org.za; mbrkovic@samsa.org.za; mmpisana@samsa.org.za; wlobo@samsa.org.za; thando.tubane@kzncogta.gov.za; Nqobile.khanyile@Dmr.gov.za; Sibusiso.Myeza@kznedtea.gov.za; omar.parak@kznedtea.gov.za; bonisiwe.sithole@kznedtea.gov.za; kim.vanheerden@kznedtea.gov.za; nombulelo.zungu@kznedtea.gov.za; Peter.Kuyler@kzndard.gov.za; vishnu.govender@kzncogta.gov.za; senzllua.mzila@kzncogta.gov.za; nerissa.pillay@kznwildlife.com; bachoos@kznwildlife.com; andyb@kznwildlife.com; cedricc@kznwildlife.com; greenk@kznwildlife.com; livingst@kznwildlife.com; nairg@kznwildlife.com; mayor@uthukeladm.co.za; Noloyiso.nkqeto@ugu.gov.za; DD.Naidoo@ugu.gov.za; rc3@umzinyathi.gov.za; communications@ukdm.gov.za; mpumes@amajuba.gov.za; malulun@amajuba.gov.za; sceo@kingcetshwayo.gov.za; rheedersc@kingcetshwayo.gov.za; AmeinP@durban.gov.za; ODonoghueS@durban.gov.za; metroceo@durban.gov.za; chumisa.thengwa@durban.gov.za; mm@rnm.gov.za; bridget.turrell@rnm.gov.za; sibusiso.khuzwayo@umdm.gov.za; karenp@umdoni.gov.za; mmoffice@umdoni.gov.za; kavershens@umdoni.gov.za; thulas@umzumbe.gov.za; hlengiwe@umzumbe.gov.za; dcs@umlalazi.org.za; SibekoNJ@umhlathuze.gov.za; info@zululand.org.za; ricardom@kwadukuza.gov.za; sphe.zulu@mandeni.gov.za; feziwe.mhlongo@hcm.gov.za; lindy@isimangaliso.com; thembi@isimangaliso.com; thembi@isimangaliso.com; hydrosan@iafrica.com; aradhana.dasarath@transnet.net; Faisal.Sultan@transnet.net; Brynn.Adamson@transnet.net; themba.mkhize@transnet.net; ricky.bhikraj@transnet.net; khosi.zondi@transnet.net; preston.khomo@transnet.net; neal.naidoo@transnet.net; vuyo.keswa2@transnet.net; chris@africantuna.com; andrew@kaytrad.co.za; procher@bluecon.co.za; msands@bluecon.co.za; judianbruk@telkomsa.net; sandile@eyethufishing.co.za; jeremy@fishsa.org; suleimans@oceana.co.za; operations@seafreeze.co.za; sfadmin@seafreeze.co.za; operations@seafreeze.co.za; longline@mweb.co.za; priscauys@yahoo.com; cttopradio@ij.co.za; ReneC@ij.co.za; agency@jmss.co.za; rob@kzntuna.com; hans@bigcatch.co.za; luckyladyfishing@gmail.com; salome@lft.co.za; lshaer@lusitaniafishing.co.za; marzul@iafrica.com; gd@goswell.co.za; gduplessis@pioneerfishing.co.za; shaunb@premfish.co.za; johann@premfish.co.za; harveya@telkomsa.net;

aharvey@absamail.co.za; Walterb@seaharvest.co.za; tim@selectatish.co.za; nivalda@yant.co.za; cattwood@mweb.co.za; ladymfishing@telkomsa.net; craig@hdpbrokers.co.za; admin@sadsaa.com; bruce@windlands.co.za; mjvermaak@worldonline.co.za; johann@sadstia.co.za; dan@new.co.za; safish@new.co.za; sasmia@webec.co.za; Dino@talhado.co.za; sasmia@webec.co.za; aqfishing@mweb.co.za; rball@iafrica.com; sata@mweb.co.za; clyde@molimoman.co.za; don@comfish.co.za; comfish@mweb.co.za; Belinda@kzntuna.com; shaunb@premfish.co.za; kgfishing@mweb.co.za; taiyoct@mweb.co.za; durbanadmin@vikingfishing.co.za; durbanshore@vikingfishing.co.za; craig@vikingfishing.co.za; rory@vikingfishing.co.za; prawn@vikingfishing.co.za; durbanshore@vikingfishing.co.za; gregchristy@intekom.co.za; andrew@kaytrad.co.za; mark@balobi.com; afromatz@telkomsa.net; paddyn@telkomsa.net; mwdapg@mweb.co.za; norma.patrick8@gmail.com; miaduplessis@webmail.co.za; david@halle.co.za; desmond@sdceango.co.za; morgan.griffiths@wessa.co.za; chris@conservation-outcomes.org; conservation@wessakzn.org.za; wstadler@wessakzn.org.za; jfrancis@wwf.org.za; jduncan@wwf.org.za; spetersen@wwf.org.za; lowertugela@gmail.com; secretary@kznca.org.za; info@searescue.org.za; japp.david@gmail.com; neil.robertson@petrosa.co.za; eileen.douse@petrosa.co.za; siphwiwe.msipho@petrosa.co.za; Klllee824@yahoo.com.sg; crramsden@gmail.com; mxiphu@saoga.org.za; fani@sapia.co.za; h.webber@impactoilandgas.co.uk; lunn.sean@gmail.com; dan.s.jackofsky@exxonmobil.com; m.doherty@impactoilandgas.co.uk; s.ilett@impactoilandgas.co.uk; cdswhale@worldonline.co.za; mbambo@shark.co.za; malpha@shark.co.za; hargreaves@shark.co.za; ori@saambr.org.za; jessica@saambr.org.za; bruce@ori.org.za; k.sink@sanbi.org.za; msomij@ukzn.ac.za; glassom@ukzn.ac.za; doliver@csir.co.za; greghofmeyr@gmail.com; w.froneman@ru.ac.za; Pierre.Pistorius@nmmu.ac.za; michellecaputo3@gmail.com; ronnel.nel@nmmu.ac.za; stephanie.plon@nmmu.ac.za; juliet@saeon.ac.za; bluffyachtclub@xsinet.co.za; kzn@sailing.org.za; alexander@alexandercox.co.za; editor@sailing.co.za; info@msbc.co.za; greg@sodwanadiving.co.za; dive@aliwalshoal.co.za; ZululandKC@gmail.com; info@expert-tours.com; advantage@zululink.co.za; info@oceansafrica.com; lloyd@raggycharters.co.za; kenfin@mweb.co.za; dhamerton@iziko.org.za; southafrica@gacworld.com; offshore@mweb.co.za; raphaell@safreight.co.za; new@wallem.com; nils.warner@worldshipping.co.za; team@groundwork.org.za; yolanf@ewt.org.za; correspond@janetsolomon.com; judybell@mweb.co.za; jennifer.olbers@kznwildlife.com; office@oceanquest.co.za; camminga@iafrica.com; dogbiteod@gmail.com info@sun-ridge.org.za info@leopardwalklodge.co.za Percy.Langa@ribidz.co.za Shanice@sdceango.co.za shanicechantel@gmail.com solomon@alectrona.co.za NELA@ukzn.ac.za petrusviv@gmail.com chadley@sdceango.co.za chadleyjoseph7@gmail.com wintner@shark.co.za luvduni@gmail.com suvana.alakram@gmail.com kcole@elmuseum.co.za louens.britz@riotinto.com advantage@zululink.co.za info@stokkiesdraai.com kwalucia@kwalucia.com adel@avaloneguesthouse.co.za sean@avaloneguesthouse.co.za elsa.h.karam@gmail.com stjohfield@yahoo.co.uk wavedancer@kznweb.com caroline.fox@kwzwildlife.com mbuyazi@gmail.com norma.patrick8@gmail.com hww@bethalmail.co.za siboniso@isimangaliso.com phumlani@isimangaliso.com dieter.heinsohn@acerafrica.co.za gm@elephantlake.co.za nhall1655@yahoo.com coastwatch@telkomsa.net chris.wrightza@gmail.com kendyllr@gmail.com karinl@gcs-sa.biz pphayo77@gmail.com donaldp@iasics.co.za mcdonald.mutsvangwa@sebatagroup.com john@gonet.co.za Sharin.Govender@unhlathuze.gov.za creg@umhlathuze.gov.za niall.kramer@gmail.com desmond@sdceango.co.za chadley@sdceango.co.za samuel@groundwok.org.za roc@tiscali.co.za bobby@groundwork.org.za adrian@adrianpole.co.za laasaj@gmail.com imkesummers@gmail.com samuel@groundwork.org.za jacquette@exigent.co.za Dfischer@environment.gov.za mwnggruma@mweb.co.za tamlyn@zob.co.za warrendavidhale123@gmail.com khalidmather@gmail.com annelouw@icmpeople.com fredk@rovingreporters.co.za frans@qs2000plus.co.za mgh2903@yahoo.com smartcsa@law.co.za willem@hofland.co.uk eliset@24.com cliver@synergywwlcpt.co.za jason@synergyports.co.za nuala.gage@intertek.com efg@falcnmere.com driesl@bell.co.za

mareike.straeuli@aceratrica.co.za dilene@wildsidesataris.co.za cattlealea@gmail.com  
ndoda.biyela@gmail.com andrew.dippenaar@petrosa.co.za nicoll@lovemore.co.za  
rob@lbhsouthafrica.com jean@wildlands.co.za dwatermeyer@telkomsa.net  
motherandlulu@gmail.com taylorfitzsimmons7@yahoo.com angelique.lwallace@gmail.com  
21110737@dut4life.ac.za fionapetersen7@gmail.com 483svet@gmail.com  
alisonhtruscott@gmail.com mbeyl@mblwa.co.za development@dargleconservancy.org.za  
i.nanni@sanbi.org.za Steven.Craig@craig-group.com nkosikhona14@gmail.com  
rosemarie@mweb.co.za connor@salesllp.net riohouseholdservices@gmail.com  
eugene.hendricks23@gmail.com ramsaran.tanusha01@gmail.com raymond@pacifico.co.za  
shaun@ultimateheli.com nicky@lbhsouthafrica.com umlando@gmail.com aart@rbi-tech.co.za  
mphathi.nxumalo@inl.co.za Rachel@wildlands.co.za kendyllr@gmail.com  
karenlesleyread@gmail.com desiree.moodley@intertek.com Hoosen@bobcets.co.za  
Kingmaziyal@gmail.com Thulanichris@gmail.com ashurety@gmail.com  
samhofmeyr.sh@gmail.com ubunyebamahostelakzn@gmail.com sugann@dbn.caxton.co.za  
wendyannwalker@gmail.com lipposwan@gmail.com vumani.ndlovu2@transnet.net  
Dave@zob.co.za Freya.wave@gmail.com Keith.harvey@rbidz.co.za mikepatt2@gmail.com  
vivsdesigns@gmail.com Claire Alborough Lindsey Bungartz Ingeborg McNicoll Charlene Jefferies

Sent Items

You forwarded this message on 2018-02-22 09:01 AM

*ERM Ref: 0414229*

Dear Stakeholder

**RE: Environmental Impact Assessment for Exploration Drilling within Block ER236, off the East Coast of South Africa**

As per the email below, the Draft Scoping Report for the proposed Exploration Drilling project was released for comment on the 22 January 2018. Based on requests made during the Public Meetings held on the 6<sup>th</sup>, 7<sup>th</sup> and 8<sup>th</sup> February 2018 an isiZulu version of the Executive Summary has been prepared and uploaded to the website (<https://www.erm.com/eni-exploration-eia>) for review. We have therefore made the decision to extend the comment period to **1 March 2018** to allow additional time for the review of the isiZulu version.

Your comments and our responses will be incorporated into the Final Scoping Report to be submitted to PASA for consideration.

Thank you for your participation in this process.

Yours Sincerely

**Lindsey Bungartz**

Senior Consultant

**ERM Southern Africa (Pty) Ltd**

2<sup>nd</sup> Floor | Great Westerford | 240 Main Road | Rondebosch | 7700 | Cape Town | South Africa

**T** +27 21 681 5400 | **F** +27 21 686 0736

**W** [www.erm.com](http://www.erm.com)



**From:** "ERM South Africa Project ENI Offshore Exploration" <[eni.exploration.eia@erm.com](mailto:eni.exploration.eia@erm.com)>  
**To:** "Lindsey Bungartz" <[Lindsey.Bungartz@erm.com](mailto:Lindsey.Bungartz@erm.com)>  
**Sent:** Monday, 22 January, 2018 11:23:07 AM  
**Subject:** Notification of Draft Scoping Report: EIA for Exploration Drilling within Offshore Block ER236, KZN, South Africa

ERM Ref: 0414229

Dear Stakeholder,

**RE: Environmental Impact Assessment for Exploration Drilling within Block ER236, off the East Coast of South Africa**

Eni South Africa BV (Eni), and Sasol Africa Limited (Sasol) hold an Exploration Right 12/3/236 (ER 236) off the East Coast of South Africa. Eni has the operatorship of Block ER 236. Eni and Sasol are considering the possibility of conducting an exploration drilling programme in Block ER 236 to assess the commercial viability of the hydrocarbon reservoir for future development.

The project requires Environmental Authorisation (EA) from the National Department of Mineral Resources (DMR) under the National Environmental Management Act (NEMA) (Act No. 107 of 1998), as amended, through an Environmental Impact Assessment (EIA) process.

ERM released a Draft Scoping Report on 26 October 2017, which was subsequently withdrawn on 07 November 2017, as Eni and Sasol wished to reconsider the scope of the project.

Notice is hereby given that the revised Draft Scoping Report is available for comment. Changes made to the Draft Scoping Report are largely in the Project Description, Chapter 4, as the ER236 holders are now considering drilling up to six wells, instead of the four wells which were planned in the previous 2017 Draft Scoping Report. Key edits to the project scope have been underlined in the text of the Draft Scoping Report, other edits are outlined below.

All	<ul style="list-style-type: none"> <li>Updated maps to reflect southern area of interest.</li> <li>Minor editorial edits.</li> </ul>
Chapter 1 (Introduction)	<ul style="list-style-type: none"> <li>Inclusion of southern area of interest in <i>Section 1.1</i></li> </ul>
Chapter 4 (Project Description)	<ul style="list-style-type: none"> <li>Section 4.1 and Section 4.2 edited to include the southern area of interest</li> </ul>
Chapter 5 (Baseline)	<ul style="list-style-type: none"> <li>Updates made throughout to reflect the addition of the southern area of interest</li> </ul>
Chapter 6 (EIA Process)	<ul style="list-style-type: none"> <li>Public consultation details edited to reflect re-release of Draft Scoping Report</li> </ul>
Chapter 8 (Plan of Study for EIA)	<ul style="list-style-type: none"> <li>Provisional EIA schedule updated to reflect new timeframe</li> </ul>

All comments received from stakeholders with regard to the previous Draft Scoping Report have been considered and included in the 2018 Draft Scoping Report, in the Comments and Responses Report

(CRR) (*Annex C*). Stakeholders are encouraged to ensure that their comments are captured in the CRR and are welcome to submit further comment to ERM.

The comment period will have a duration of 30 calendar days from 22 January 2018 to 22 February 2018. The Report is available on the Project website: [www.erm.com/eni-exploration-eia](http://www.erm.com/eni-exploration-eia) as well as on request, from ERM, and at the following public locations:

- Durban Central Lending Public Library
- Richards Bay Library
- Port Shepstone Library
- ERM offices, Suite S005, 17 The Boulevard, Westway Office Park, Westville

A Zulu or Afrikaans version of the executive summary can be made available on request.

Stakeholders are invited to attend one of the below listed public meetings where ERM will present more information about the project and the EIA. During the meeting the participants will also have the opportunity to ask questions to the Project team. Details of the public meetings are as follows:

Date: 6 February 2018

Venue: Premier Hotel The Richards, 3 Hibberd Dr, Meer En See, Richards Bay

Time: 17:30, the project team will be available at the venue from 16:00

Date: 7 February 2018

Venue: Gooderson Tropicana Hotel, 85 OR Tambo Parade, South Beach, Durban

Time: 17:30, the project team will be available at the venue from 16:00

Date: 8 February 2018

Venue: Port Shepstone Country Club, Port Shepstone

Time: 17:30, the project team will be available at the venue from 16:00

You are invited to submit your comments on the Draft Scoping Report to ERM:

**Email:** [eni.offshore.eia@erm.com](mailto:eni.offshore.eia@erm.com)

**Post:** Postnet Suite 90, Private Bag X12, Tokai, 7966

**Tel:** 021 681 5400

**Website:** [www.erm.com/eni-exploration-eia](http://www.erm.com/eni-exploration-eia)

Your comments, and our response, will be incorporated into the Final Scoping Report to be submitted to PASA for consideration.

Please ensure that your comments reach ERM on or before 22 February 2018.

Thank you for your participation in this process.

Yours Sincerely

**Lindsey Bungartz**

Senior Consultant

**ERM Southern Africa (Pty) Ltd**

2<sup>nd</sup> Floor | Great Westerford | 240 Main Road | Rondebosch | 7700 | Cape Town | South Africa

**T** +27 21 681 5400 | **F** +27 21 686 0736 |

**W** [www.erm.com](http://www.erm.com)





## Ukubhola kokuhlola kuBhlokwe ER236, kude noGu Olusempumalanga lwaseNingizimu Afrika

Umbiko wokuhlola: Isifingqo Sombiko

Inguqulo 2

uJanuwari 2018

[www.erm.com](http://www.erm.com)

# Ukubhola kokuhlola kuBhlokwe ER236, kude noGu Olusempumalanga lwaseNingizimu Afrika

Eni

Umbiko wokuhlola: Isifingqo Sombiko

uJanuwari 2018

Ibhalwe ngu: Claire Alborough and Lindsey Bungartz

Ibhalelwe esikhundleni se Environmental Resources Management

Kuvunyelwe ngu: Ingeborg McNicoll

Isayinwe:

Isikhundla: Senior Partner

Usuku: 19 kuJanuwari 2018

Lo mbiko ulungiselelwe yi-Environmental Resources Management igama lezokuhweba le-Environmental Resources Management Southern Africa (Pty) Limited, nalo lonke ikhono elifanele, ukunakekelwa nokukhuthaza ngokwemigomo yesivumelwano nekhlasimende, kufaka imigomo nemibandela yethu yebhizinisi futhi ngokubheka izinsiza ezinikezwe yona ngesivumelwano nomklayenti.

Siyabalahla noma yikuphi umthwalo kumakhasimende nakwabanye ngokuphathelele nanoma yiziphi izindaba ezingaphandle kwendawo engenhla.

Lo mbiko uyimfihlo kumklayenti futhi asimukeli umthwalo wemfanelo kwanoma yiluphi uhlobo kumuntu wesithathu lowo mbiko, noma yinoma iyiphi ingxenye yawo, eyenziwa. Noma yiliphi iqembu elithembele kulo lithembele kulo mbiko engozini yabo.



## ISIFINGQO SOMBIKO

### ISINGENISO

I-Eni South Africa BV (Eni), ne-Sasol Africa Limited (Sasol) baneLungelo Lokuhlola Ugu Olusempumalanga lwaseNingizimu Afrika. I-Eni kanye ne-Sasol bacabanga ukwenza uhlelo lokubhola kokuhlola ku-Bhlokwe ER236 (12/3/236) ukubona ukuthi ingabe kunehayidrokhakhoni (uwoyela negesi) eyanele yini ngaphansi kokujula kolwandle ukuze babone ukuthi kufanele yini ukuthi i-Eni kanye ne-Sasol baqhubeke nokwenza intuthuko.

I-Eni icabanga ukumba ukufika emithonjeni yamanzi ejulile eyisithupha ngaphakathi kuBhlokwe ER236. Imithombo emine izombiwa ngaphakathi ngasenyakatho okuwu-1,840 km<sup>2</sup> yeNdawo Okunentshisekelo kuyo (Area of Interest (AoI)), ekujuleni kwamanzi okuphakathi kuka- 1,500 m no-2,100 m. Eminye imithombo emibili kuphakanyiswe ukuthi imbiwe ngaphakathi ngaseningizimu okuwu- 2905 km<sup>2</sup> AoI (Umdwebo 0.1), ekujuleni kwamanzi okuphakathi kuka-2,600 m no-3,000 m.

Sithatha ngokuthi imvume edingekayo itholakele, ukumbiwa komthombo wokuqala wokucwaninga uhlelelwe u-2019. Ukujula kokumba okulindelekile kungacishe kube wu-3,800 m kanye no-4,100 m kusukela phezulu olwandle kuya phansi nomthombo endaweni engasenyakatho, futhi cishe ewu-5,450 m endaweni engaseningizimu. Ukumbiwa komthombo owodwa kulindeleke ukuthi kuthathe izinyanga ezimbili ukuwuqeda. Uma wenza imisebenzi yokumba wokucwaninga, kunezinhlolo ezimbili zemithombo embiwayo: umthombo wokucwaninga kanye nomthombo wokuhlolwa. Umthombo wokucwaninga umbelwa ukuthola umthombo wokulondoloza ihayidrokhakhoni. Umthombo wokuhlola uba seduze nomthombo wokucwaninga. Umbiwa ngemuva kokuthola umthombo wokulondoloza ihayidrokhakhoni, futhi usetshenziselwa ukwenza inani kanye nezinga lokuhamba okungenzeka (ihamba ngokushesha kangakanani) kwanoma iyiphi ihayidrokhakhoni ekhona.

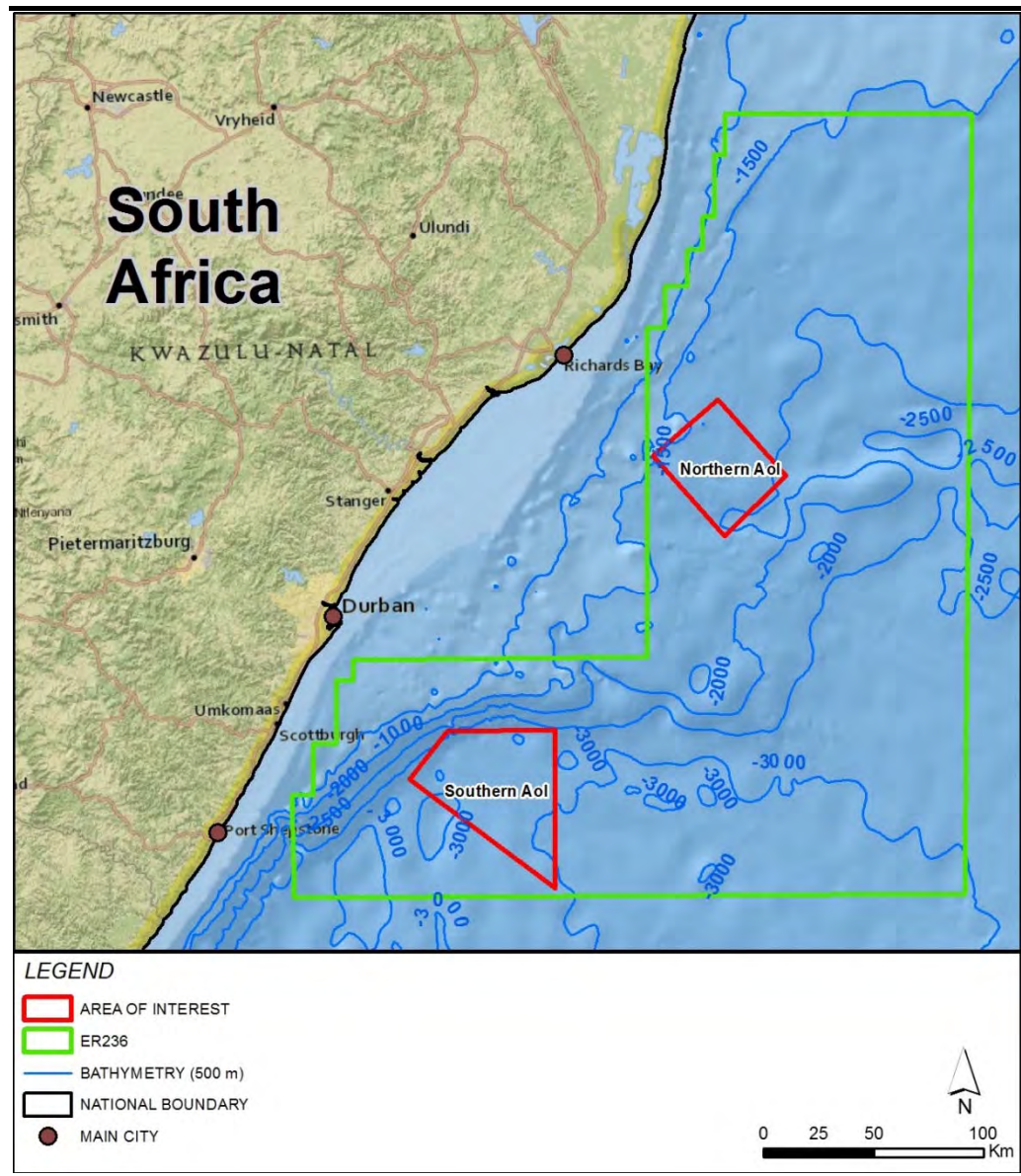
Kuncike empumelelweni yomthombo wokuqala ngaphakathi ku-AoI engasenyakatho, ukufika emithonjeni emithathu eyengezayo okungenzeka imbiwe nomthombo wokucwaninga owengezayo endaweni yesibili. Umthombo wokucwaninga ngamunye uzombiwa ngokuthi kungenzeka kube nomthombo wokuhlola oseduze nendawo wokucwaninga ngakunye. Isikhathi sale mithombo engaba khona eyengezayo siyoncika kokutholakele ngesikhathi kumbiwa umthombo wokuqala, futhi angeke kwenzeke ngokushesha ngemuva kokumba umthombo wokuqala. Ngaphakathi ku-AoI engaseningizimimu kuyombiwa umthombo owodwa wokucwaninga onokumbiwa kanye nomthombo wokuhlola okungenzeka kuya ngemiphumela yomthombo wokuqala. Ukuhlolwa kwemithombo kungenziwa emithonjeni yokuhlola uma inamanani okuhweba ngehayidrokhakhoni angaba khona.

## Indawo

I-Eni iphakamisa ukumba imithombo yokucwaninga ngaphakathi kweBhlokwe ER236, ngaphakathi kwalezo zindawo ezimbili okunentshisekelo kuzo:

- i-AoI engasenyakatho ewu-1,840 km<sup>2</sup>, cishe, endaweni eseduze nayo kakhulu, ewu-62 km ukusuka ogwini, ekujuleni kwamanzi okuphakathi kuka-1,500 m no-2,100 m (*Umdwebo 1*).
- i-AoI engaseningizimu cishe ewu-2905 km<sup>2</sup>, endaweni eseduze nayo kakhulu, ewu-64 km ukusuka ogwini, ekujuleni kwamanzi okuphakathi kuka-2600 m no-3000 m (*Umdwebo 1*).

### Umdwebo 0.1 Imephu Yendawo



I-Eni, ngeqhaza layo njengomsebenzisi we-ER236, iqoke i-Environmental Resources Management (ERM) njengomsebenzi Wokuhlola Kwezemvelo (Environmental Assessment Practitioner (EAP)) ozimele we-EIA. I-EIA izobeka imithelela ecatsangwayo evela kuPhrojekthi bese iphakamisa izindlela zokuthi ingahle ilawulwa kanjani yona. Umbiko we-EIA uzoba nomthelela kusinqumo soKugunyaza Kwezemvelo (Environmental Authorisation -EA) okufanele sithathwe nguMnyango Wezokumbiwa Phansi (DMR).

#### ***UHLAKA LOKUPHATHWA KOMSEBENZI***

Umthetho oyisisekelo olawula ingxenye yezimayini eya phezulu kanye nephethroliyamu eNingizimu Afrika nguMthetho Wezimbiwa Nephethroliyamu (Minerals and Petroleum Resources Development Act) (Nombolo 22 ka-2002) (MPRDA). Ngokwe-MPRDA, Ilungelo Lokucwaninga kufanele livunywe ngaphambi kokuqala kwemisebenzi yokucwaninga. I-Eni ne-Sasol baneLungelo Lokuhlola eselikhona le-ER236, njengamanje elisesikhathini sokuvuselelwa kwalo kweminyaka emibili yokuqala, kusukela ngomhla ka-11.07.2017.

Umthetho Wokuphathwa Kwezemvelo Kazwelonke (Nombolo 107 ka-1998) (National Environmental Management Act (NEMA) wuhlaka lomthetho waseNingizimu Afrika maqondana nokuvikelwa kanye nokuphathwa kwezemvelo. Lo mthetho uhlinzeka ngohlaka lokuhlanganiswa kwezinto eziphathelene nemvelo ekuhleleni, kudizayini, ekwenzeni isinqumo kanye nokusetshenziswa kwezinhlelo kanye neziphakamiso zentuthuko okungenzeka zibe nomphumela olimazayo emvelweni.

Ngesikhathi Isigaba 23 sibeka izinjongo eziyisisekelo kanye nemigomo yenqubo yoKuphathwa Kwezemvelo Okuhlanganisiwe (Integrated Environmental Management (IEM)), Isigaba 24 sibeka ukuthi kufanele zifezwe kanjani lezi zinjongo kanye nemigomo.

Izimiso zomthetho ezilawula uhlelo lokugunyazwa kwezemvelo ushaywe ngokwe-NEMA kanti lubandakanya Izimiso zomthetho i-EIA (GNR R982/2014) kanye neZaziso Zokwenza Uhlu 1-3 (GNR 983, 984, 985/2014). Kufanele kwaziwe ukuthi lezi zimiso zomthetho zachitshiyelwa ngo-Ephreli 2017 ngeZaziso zikaHulumeni 324, 325, 326 no-327.

Imisebenzi eminingi eyimbangela ikhonjiwe kule phrojekthi ngokweSaziso Sokwenza Uhlu 1 kanye no-2. Ezimweni lapho isaziso esingaphezu kwesodwa sibangiwe (njengakule phrojekthi), izidingo ze-GNR 984 zizobhekela kuqala kanti iphrojekthi izoncika ohlelweni oluphelele lwe-S&EIR ngaphambi kokuthi kuqale nanoma yimiphi imisebenzi ehambisana nalo.

Kuncike kuZimiso ze-EIA 2014 (njengoba kuchitshiyelwe), kuyaqondwa ukuthi isiphathimandla esikwazi ukwenza umsebenzi sale phrojekthi kuzoba wuMnyango Wezokumbiwa Phansi (DMR). Kanjalo, i-Eni kuzodingeka

ukuthi ithole Ukugunyazwa Kwezemvelo okuhle ku-DMR ngaphambi kokuqaliswa kwemisebenzi ephakanyisiwe. I-Petroleum Agency of South Africa (PASA) yamukela bese icubungula izicelo ze-EA zephethroliyamu zamazwe angaphesheya kolwandle egameni le-DMR, kodwa-ke i-DMR kudingeka ukuthi isayine isinqumo sokugcina.

### ***UKUGQUQUZELA IPHROJEKTHI***

Umbiko Ogunyazayo WaseNingizimu Afrika ngeNqubomgomo Yezamandla (1998) umbhalo wenqubomgomo oqukethe konke obe ngumhlahlandlela nosaqhubeka nokuqondisa inqubomgomo kanye nokuhlela kwesikhathi esizayo emkhakheni wezamandla. Njengoba kushiwo kusendlalelo sikaNgqongqoshe kuMbiko Ogunyazayo, owoyela abayizinsalela zakudala babamba iqhaza elibalulekile ekuthuthukisweni komphakathi nomnotho wezwe, khona lapho uhlinzeke isisekelo sengqalasizinda edingekayo yezomnotho yezwe ukuthi ibe ngumamukeli ohehayo wokutshalwa kwezimali okuvela emazweni angaphandle emkhakheni wezamandla kagesi. Umbiko Ogunyazayo uthi 'Uhulumeni uzoqinisekisa ukucwaninga okuphezulu nokuqhubekayo kwezemvelo kanye nokuthuthukiswa kukawoyela wemvelo wezwe kanye nezidingongqangi zegesi ukusiza bonke abantu' futhi uzibophezela 'ukuqinisekisa ukutshala izimali komkhakha ozimele kanye nobuchwepheshe ekucwaningweni nasekuthuthukisweni kowoyela wezwe kanye nezidingongqangi zegesi.' Ukucwaningwa okuyimpumelelo kwalezi zidingongqangi zemvelo kungafaka isandla ekukhuleni komnotho nokwehlisa ingcindezi ekubhalanseni kwezinkokhelo.

Njengoba kukhonjisiwe Ohlelweni Lwamandla Kagesi Oluhlanganisiwe (Integrated Energy Plan (IEP, 2016)) ukuhlukahlukana kwemithombo yokunikezela ngempahla kanye nemithombo eyisisekelo yamandla kagesi yinjongo ebalulekile kahulumeni waseNingizimu Afrika.

Ukufuneka kowoyela ongahluziwe kwamanje kwaseNingizimu Afrika kungaphezu kwemiphongolo ewu-60 000/ngosuku. Njengamanje iNingizimu Afrika ingenisa ezweni cishe amaphesenti angama-70 kawoyela owuketshezi, anowoyela ongahluziwe kanye nemikhiqizo ephelele. Omunye cishe amaphesenti angama-30 utholwa emkhiqizweni wasekhaya kanye nowoyela owuketshezi ovela emalahleni nakugesi. Ngakho-ke amanani entengo kawoyela ongahluziwe ahlanganiswe nezinga lokushintshiselana ngeRandi/iDola anomthelela omkhulu kumanani entengo kawoyela eNingizimu Afrika. <sup>(1)</sup>

Ngenxa yalokhu okushiwo ngenhla, impumelelo yokucwaninga ingaholela ezinzuzweni zesikhathi eside kuNingizimu Afrika ezinokufinyelela emithonjeni emisha yamandla kagesi, ukwenziwa ngcono kokuvikeleka kokunikezela, ukutshalwa kwezimali ngaphakathi ezweni kuphrojekthi yokuthuthukisa (kubandakanya ukwenziwa komsebenzi), ukwandiswa

(1) [http://www.energy.gov.za/files/petroleum\\_frame.html](http://www.energy.gov.za/files/petroleum_frame.html)

kwezimali zikahulumeni, ukufaka isandla ekukhuleni komnotho kanye nokwehlisa ukuncika ekungenisweni kwamahayidrokhakhoni ezweni.

### *INCAZELO YEPROJEKTHI*

Izingxenye zephrojekthi ezinkulu zibandakanya okulandelayo:

- Umkhumbi Wokumba Amanzi Ajulile;
- Indawo Yokukhiphela ngaphandle;
- Isizinda sasogwini;
- Imikhumbi yokunikezela ngempahla kanye nehlala ilindile;
- Abasebenzi;
- Ukudluliswa kwethimba labasebenzi; kanye
- neNgqalasizinda kanye nezinsizakalo.

Ukumbiwa komthombo owodwa kucatshangwa ukuthi kuyothatha cishe izinsuku ezingama-71 ukukuqeda. Umkhumbi wokumba ungavela eNtshonalanga noma eMpumalanga ye-Afrika bese ungena emanzini aseNingizimu Afrika kungaba ngomngcele waseNamibia noma waseMozambique. Isikhathi eside esizothathwa yilokhu kugquguzela kuzoba yizinsuku ezi-5.

Ngenxa yokuthi amanzi ajulile ku-AoI, kucatshangwa ukuthi ukumbiwa kokucwaninga kuzokwenziwa kusetshenziswa umkhumbi wokumba amanzi ajulile. Umkhumbi wokumba amanzi ajulile (*Umdwebo 0.2*) uzogcinwa usesimweni kusetshenziswa uhlelo lokubuyisela esimweni oluguquguqukayo (dynamic positioning system (DPS)) oluvumela ukuphazamiseka okuncane kwangaphansi kolwandle ngenxa yamandla alo okusebenza ngaphandle kokuthi lumiswe emhlabeni ongaphansi kolwandle. Uhlelo lwe-DPS lusebenzisa izinto zokufuqa/izinjini ukugcina imikhumbi endaweni eyodwa.

### *Umdwebo 0.2 Isibonelo soMkhumbi Wokumba Ojwayelekile*



Source: Shutterstock, 2017

Isizinda sezinto zokusebenza ezisogwini zizobekwa kungaba se-Richards Bay noma e-Durban, endaweni eyayike yathuthukiswa esivele ikhona ngaphakathi eChwebeni noma eNdaweni Yentuthuko Yezimboni (Industrial Development Zone (IDZ)). Asikathathwa isinqumo sokugcina njengoba ucwaningo lwezimpahla zokusebenza kusafanele lwenziwe ezindaweni ezikhonjiwe.

Ngesikhathi somsebenzi wokumba, umkhumbi wokumba uzokwesekwa yimikhumbi enikezela impahla eplatifomu, okuyimikhumbi yezinhloso ezijwayelekile eyenzelwe ukuthwala izinhlobo ezahlukene zempahla kanye nomthwalo.

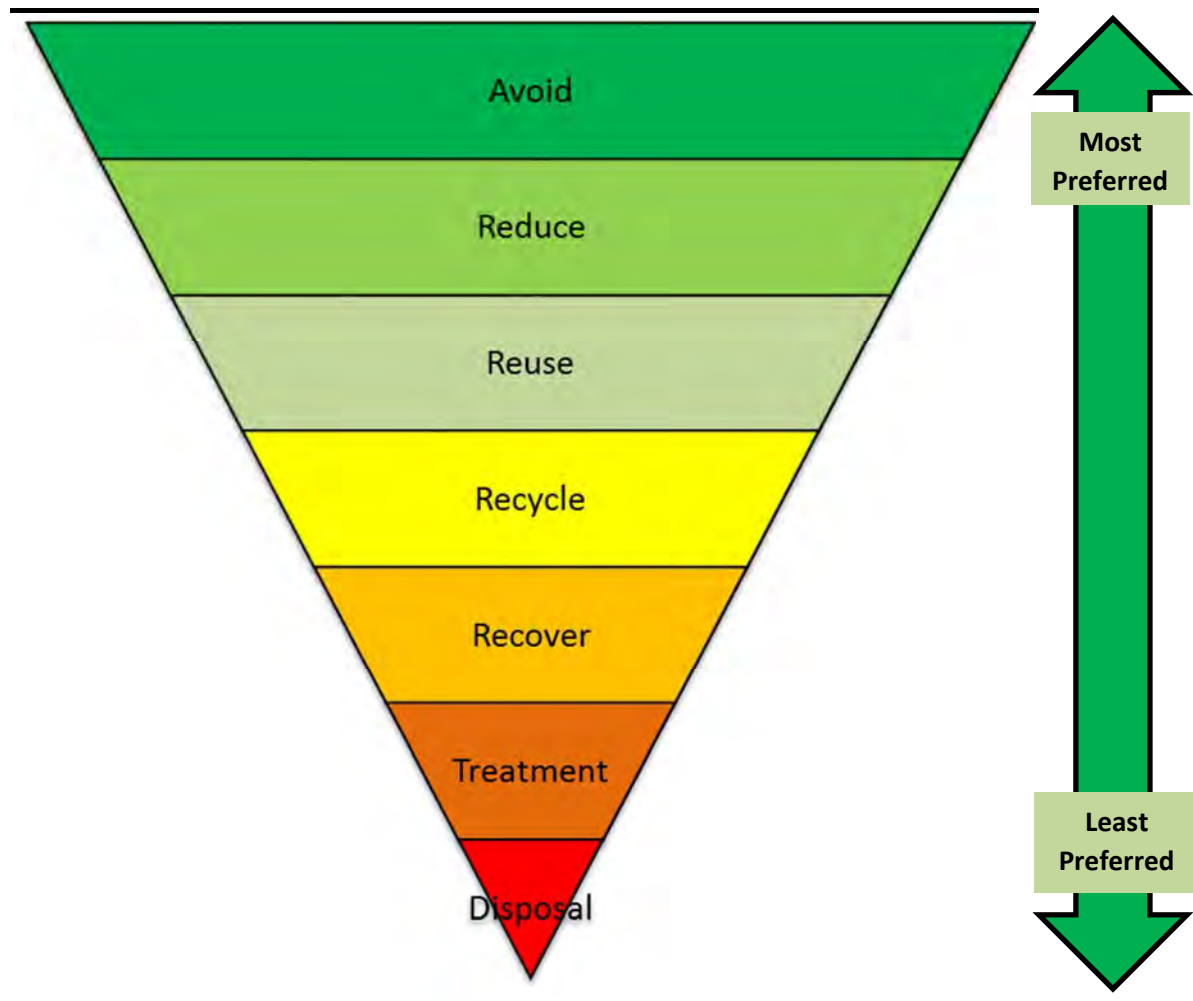
Imisebenzi yephrojekthi ehambisana nokumba ibandakanya izigaba ezilandelayo:

- Ukugqugquzelwa kwemikhumbi yokunikezela ngempahla eya e-Richards Bay noma e-Durban. Ukwengeza, umsebenzi wezindawo ezizinze ogwini ezibhekene nemisebenzi yosizo oludingwa umkhumbi wokumba;
- Ukumbiwa komthombo;
- Ukumbiwa komthombo izinto okungakhethwa kuzo (umzila oseceleni, ukugawula izingodo, ukuqeda);
- Ukuhlolwa komthombo okungaphoqelelwe;
- Ukuyekwa komthombo; kanye
- Nokuyekwa kokugqugquzelwa komkhumbi wokumba, umkhumbi kanye nesizinda sokuthwala izimpahla zokusebenza sasekhaya.

Yonke imisebenzi izokwenziwa ngokuhambisana nomsebenzi omuhle wamazwe omhlaba wezimboni ezihlonishwayo.

I-Eni ilandela imithetho ebalulekile elandelayo yokuphathwa kodoti ngokulandelana ngokuhamba phambili kwayo ohlwini: nciphisa, phinda usebenzise, vuselela kabusha, buyisela esimweni, yelapha futhi lahla. (*Umdlwebo 0.3*).

*Umdwebo 0.3 Ukulandelana Kwezikhundla Zabaphathi Bakadoti*



Yonke imikhumbi izoba nempahla, izinhlelo kanye namaphrothokholi kokuvimbela ukungcoliswa kowoyela, ukuhanjiswa kwendle kanye nodoti ngokuhambisana ne-MARPOL 73/78. Uhlelo Lokuphathwa Kodoti oluqondene ngqo nephrojekthi (olukhava wonke udoti owenziwe ngaphesheya kolwandle nasezweni) luzokwenziwa ngokuhambisana nezidingo ze-MARPOL, izimiso zomthetho zaseNingizimu Afrika kanye neziqondiso zokuphathwa kodoti ze-Eni. Kuzokhonjwa izindawo zokulahla udoti kanye nezindawo zokuphatha udoti, zifakaziswe futhi zivunywe ngaphambi kokuqala kokukumba.

**ISISEKELO SEZEMVELO KANYE NESENHLALO YOMPHAKATHI KANYE NEZOMNOTHO**

*Ithebuli 1* sethula isifingqo sezinto ezizwelayo kusisekelo esibalulekile eMkhakheni Weprojekthi.

***Ithebuli 1 Isifingqo Sezinto Ezizwelayo Ezibalulekile***

Uphawu	Ukuchaza
Umsinga Wase-Agulhas	<ul style="list-style-type: none"> <li>• Umsinga Wase-Agulhas wakha phakathi kuka-25° kanye no-30° S, umsuka wawo omkhulu uvela ekuphindeneni ujikeleze Olwandle LwaseNdiya Oluseningizimu-Nentshonalanga.</li> <li>• Uhamba ngokushesha uya ngaseningizimu kulandela unqenqema lweshalofu oGwini Lwasempumalanga, ngaphambi kokuthi uphindaphindeke phakathi kuka-16° no-20° E. Kuwukuhamba kusheshe okuchazwe kahle nokujulile okunobubanzi owu-100 km kanye no-2, 300 m ukujula.</li> <li>• Kurekhodwe isivinini samanje sika-2.5 m/s noma kurekhodwe okungaphezulu.</li> </ul>
Izimpawu zomhlaba ongaphansi kolwazi kanye nendawo yokuhlala ngaphakathi ekujuleni kwamanzi	<ul style="list-style-type: none"> <li>• I-AOI yokumba umthombo iba ngasempumalanga yeJika laseNatali ku-&gt;1, 500 m ukujula kwamanzi.</li> <li>• Indawo eseningizimu yasendaweni esenyakatho yokungenela kwentshisekelo nengxenye yeNqaba ye-Goodlad. Kodwa-ke kufanele kwaziwe ukuthi <b>akukho</b> okuzokwenziwa ngaphakathi enqabeni.</li> <li>• Inqaba i-Goodlad iyehluka kakhulu esakhiweni salezi ezisenyakatho ne-KZN, lapho kubikwe khona uhlaka lwamathambo enhlanzi futshi angeke kwenzeke ukuthi amathambo enhlanzi amakhulu atholakale lapha.</li> <li>• Kunobufakazi bolwazi locwaningo olwazoqwa ngokuzamazama komhlaba endaweni esenyakatho yendawo enentshisekelo yezinqaba zamanzi ajulile phakathi nendawo.</li> <li>• Entshonalanga yendawo okunentshisekelo kuyo yokumba umthombo kutholakale izindawo zokuhlala ekujuleni kwamanzi Phezulu kanye naPhansi neNdiya eseNingizimu nentshonalanga ye-Bathyal (izindawo zokuhlala ezenzeka ekujuleni kolwandle), kanti indawo yokuhlala ekujuleni kwamanzi ye-Bathyal eMaphansi neNingizimu yeNdiya iyengamela eningizimu yendawo okunentshisekelo kuyo, kokubili okunikezelwe isimo sokwesabisa uhlelo lwazo zonke izitshalo nezilwane okuhlala endaweni 'esengozini kancane' ku-SANBI 2011 National Biodiversity Assessment.</li> <li>• Imiphakathi esekujuleni kwamanzi ngaphakathi kwalezi zindawo zokuhlala ngokujwayelekile ziyefana kuso sonke isifunda esiseningizimu noGu Olusempumalanga ye-Afrika, kuhluka kuphela ohlotsheni lomhlaba osekujuleni kolwandle kanye/ noma endaweni ejulile.</li> </ul>
Izinto Ezisamatshe Ekujuleni Kwamanzi	<ul style="list-style-type: none"> <li>• Kuyaziwa ukwenzeka kwezinto ezisamatshe ekujuleni kwamanzi kuBhlokwe ER 236 kanye nezindawo okunentshisekelo kuzo.</li> </ul>
Imikhomo kanye neZinhlengethwa	<ul style="list-style-type: none"> <li>• Kunezinhlobo ezingama-36 yemikhomo kanye nezinhlengethwa (izilwane ezincelisayo) okungenzeka zitholakale ngaphakathi kuBhlokwe ER236. Kulezi zinhlobo ezingama-36, umkhomo oyi-Antarctic Blue 'usengozini kakhulu', umkhomo onesifumbu ngemuva, umkhomo onephiko lenhlanzi kanye nomkhomo i-sei kuthathwa ngokuthi 'kusengozini' kanye nenani elincane lezinhlanzi lase-Ifafi-Kosi Bay lenhlengethwa yekhala eliyibhodlela ku-Indo-Pacific, umkhomo weSidoda kanye nomkhomo i-Bryde (inani elisolwandle) zithathwa ngokuthi 'zisengozini' ku-IUCN South African Red Data book List Assessment</li> <li>• Izinhlobo ezijwayeleke kakhulu ngaphakathi endaweni okunentshisekelo kuyo (ngokwezininga okungenzeka kuhrangatshezwane</li> </ul>



Uphawu	Ukuchaza
	<p>nalo hhayi ubukhulu bonke) kungenzeka kube yinhlengethwa ejwayelekile yekhala eliyibhodlela, umkhomo oqhuba ngephiko elifishane kanye nomkhomo onesifumbu emuva.</p> <ul style="list-style-type: none"> <li>• U-ER236 ungaphakathi komzila wokuhamba wemikhomo eneSifumbu emuva (Okungakhathazekiwe ngawo kakhulu) kanye neSokudla Ngaseningizimu. <ul style="list-style-type: none"> <li>○ Imikhomo elungile eseningizimu idlula kuBhlokwe ER236 ngoJulayi nango-Agasti kanjalo futhi nangokuhambela kwayo ngaseningizimu ngo-Okthoba/Novemba.</li> <li>○ Enezifumbu ngemuva inokuhanjiswa okundlela mbili ogwini lwaseMpumalanga, efinyelela kakhulu emanzini aseningizimu ne-Afrika ngo-Ephreli, iqhubeka ukudlula kuSeptemba/Okthoba uma kuqala ukuhambela ngaseningizimu bese kuqhubekela kuDisemba kuze kube sekuhambeni kwesikhathi kube wuFebhruwari. Isikhathi sokuba namankonyane kweZinezifumbu ngemuva selulekela ukusuka kuJulayi ukuya ku-Okthoba, sikhuphuka ekuqaleni kuka-Agasti.</li> </ul> </li> </ul>
Izimfudu Zasemanzini Zasolwandle	<ul style="list-style-type: none"> <li>• Izinhlobo ezinhlanu zofudu lwasemanzini zaziwa ukuthi itholakala oGwini lwaseMpumalanga: umhlane wesikhumba, zibonakala ngokuvamile kakhulu, kanye nezimfudo zamanzi ezihlangana ngamakhanda, eziluhlaza, eziluhlaza samgwenya nezinemihlathi ehukayo. Ohlwini Olubomvu lwe-IUCN, ufudu lwasemanzini olunemihlathi ehukayo luchazwe 'njengoluSengozini Kakhulu', ufudu oluluhlaza 'Lusengozini' kanti izimfudu ezinomhlane oyisikhumba, ezihlangane ekhanda kanye neziluhlaza samgwenya 'Zisengozini' ezingeni lomhlaba jikelele.</li> <li>• Zombili izimfudu zasemanzini ezinomhlane onesikhumba kanye nezihlangene ngamakhanda zenza izidleke emabhishi asogwini e-KZN ngasenyakatho (e-St Lucia, iSimangaliso) phakathi maphakathi no-Okthoba kanye namaphakathi noJanuwari. Izimfudo ezichanyiselwe zizalwa kusukela maphakathi noJanuwari ukudlulela maphakathi noMashi uma ngabe Umsinga we-Agulhas ushisa kakhulu khona. Uma amachwane esengena olwandle, aya ngaseningizimu elandela Umsinga we-Agulhas futhi kucatshangwa ukuthi ahlala emoyeni waseningizimu yoLwandle lwaseNdiya iminyaka emihlanu yokuqala yezimpilo zazo.</li> <li>• Izifunda zezingasogwini lolwandle zengxenywe esenyakatho yeBhlokwe ER236, zishayisana nokuhamba kokuhlalisana phakathi kwezimfudu ezinomhlane oyisikhumba, kodwa indawo okunentshisekelo kuyo ingaphesheya kolwandle ohlotsheni lokuhlalisana.</li> <li>• Izimfudu ezinomhlane oyisikhumba kanye nezihlangene ngamakhanda kungenzeka zihlangane</li> </ul>
Izindawo Ezivikelekile Zasolwandle (ama-MPA)	<ul style="list-style-type: none"> <li>• Ibhlokwe ER236 ayingeneli ku-iSimangaliso Wetland Park.</li> <li>• Nakuba Ibhlokwe ER236 ingenela ku-Protea Banks MPA ephakanyisiwe kanye neselulo se-iSimangaliso Wetland Park MPA, akukho ukungenela kwezindawo okunentshisekelo kuzo nezindawo ezivikelekile eziphakanyisiwe.</li> <li>• Kufanele kwaziwe ukuthi izingxenywe ze-ER236 zasekuqaleni ezingenela ne-iSimangaliso esivele ikhona futhi ama-Aliwal Shoal MPA ayeqediwe ngesikhathi sohlelo lokuvuselela Ilungelo Lokucwaninga ngo-2016.</li> </ul>
Izindawo zokuveza izinhlanzi, yokuzikhulisa kanye nezokuthola abantu	<ul style="list-style-type: none"> <li>• Izindawo okunentshisekelo kuzo ziphesheya kolwandle zokuzeveza izinhlanzi ezinkulu kanye nemigudu yokuhamba kanye nobuningi be-ichthyoplankton kungenzeka kube phansi.</li> <li>• Usayidinsi ugijima ogwini lwaseMpumalanga Kapa nokufika eningizimu ye-KZN isolwandle ngasogwini lwendawo okunentshisekelo kuyo.</li> <li>• Amaqanda e-pilchard asolwandle ngasogwini lwendawo okunentshisekelo kuyo.</li> </ul>

Uphawu	Ukuchaza
Ukudoba Ngodobo Olude	<ul style="list-style-type: none"> <li>• Indawo yentshisekelo ingenela endaweni yokudoba ngodobo olude ehlose kakhulu ishuna kanye ne-swordfish futhi.</li> <li>• Ibhlokwe ER236 ingenela kundawo yokudoba ye-crustacean trawl.</li> </ul>
Izithuthi Zasolwandle	<ul style="list-style-type: none"> <li>• Indawo Yephrojekthi kungenzeka ingenele emigudwini ethathwa ngabamathangi kanye nezithuthi zokuningi. Imikhumbi yokunikezela ngempahla ingahlangana nezithuthi eziyimikhumbi yasolwandle ngasogwini ngenxa yokuqoqwa kokunikezela okuvela eChwebeni lase-Durban.</li> <li>• Amachweba ohwebo abalulekile asoGwini lwaseMpumalanga abandakanya i-Port Elizabeth, East London, i-Durban kanye ne-Richards Bay.</li> </ul>
Abasebenzisi bokuzithokozisa	<ul style="list-style-type: none"> <li>• Ukusetshenziswa kokuzithokozisa kwezidingongqangi zasolwandle oGwini lwaseMpumalanga ngokwejwayelekile kwenzeka ngaphakathi emanzini asolwandle eduze kogu endaweni yamadolobha asogwini nasezindaweni zokuphumula ngamaholidi.</li> </ul>

### **UHLELO LWE-EIA**

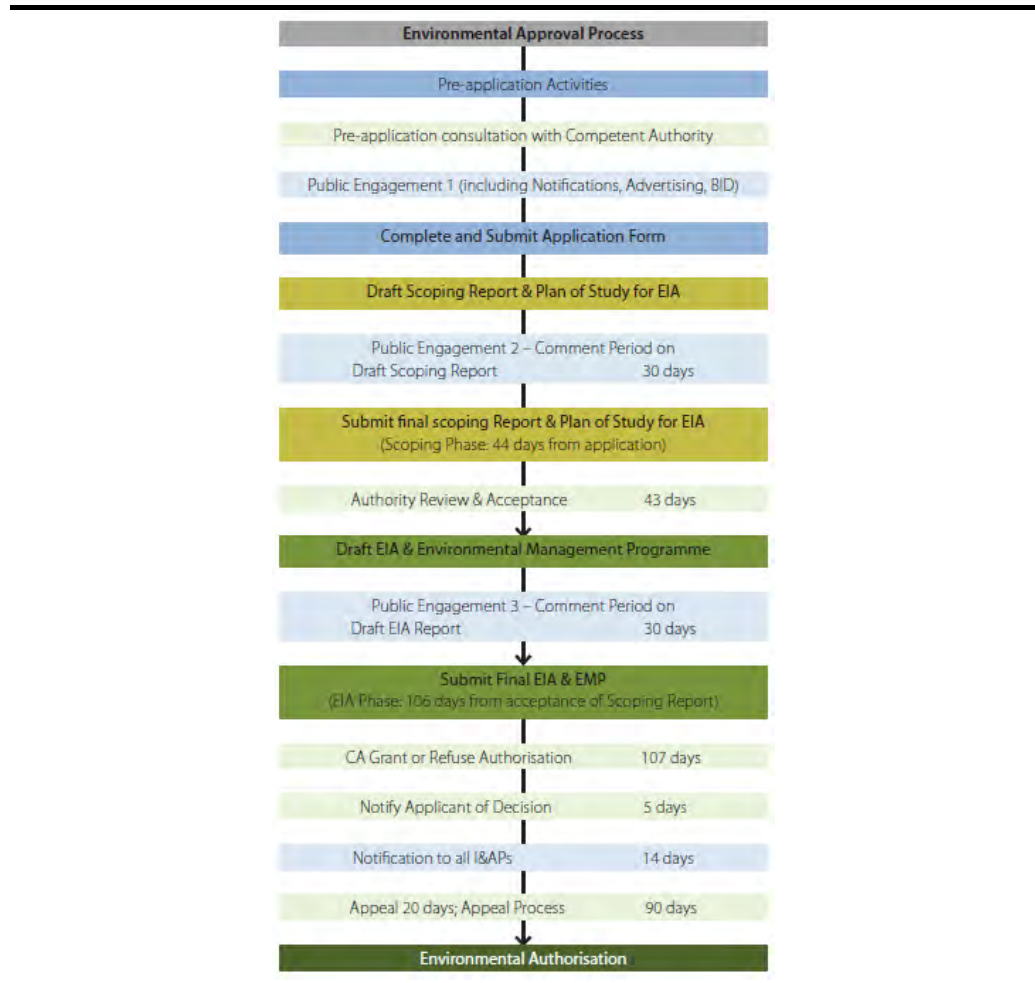
Uhlelo lwe-EIA luqaliswe yiSigaba Sokukala Ubungako, njengoba kukhonjiswe ku-*Umdwebo 0.4*. Ngesikhathi seSigaba Sokukala Ubungako, Imibandela Yokwenza Umsebenzi we-EIA egcwele iyenziwa kanti nezidingo ezivela kuziphathimandla zicacisiwe, kanti nezindaba ezinokuba khona kanye nokukhathazayo kukhonjiwe ngokusebenzisa ukubonisana.

Ngemuva kokuqedwa kweSigaba Sokukala Ubungako, izingcwaningo zongcweti ezinemininingwane zizokwenzeka ukuze kubhekwane nezindaba ezikhonjiwe ngesikhathi seSigaba Sokukala Ubungako. Ongcweti kulindeleke ukuthi bangahlinzeki nje kuphela ulwazi oluyisisekelo emkhakheni wabo othize wolwazi loMkhakha Wephrojekthi, kodwa nokukhomba ukuthi yiziphi izenzo zephrojekthi ezizohlela emitheleleni ebalulekile. Ongcweti bazoncoma izindlela okungavinjwa ngazo imithelela emibi ukunciphisa amandla ayo, bese kuthuthukiswa imithelela emihle.

Imibiko ewuhlaka ihanjiselwa ukuthi iyobukezwa wumphakathi, ngesikhathi i-ERM eyethula ngaso okutholakele okubandakanyekayo kuwo wonke ama-I&AP. Yonke imibiko yokuphawula eyenziwa ngama-I&AP ifakwe kuMbiko Wemibiko Yokuphawula kanye neZimpendulo (CRR), futhi kulo mbiko kuhlinzekwe izimpendulo kuzo zonke izindaba kanye nokukhathazeka okuphakanyiswe ngesikhathi sokuhlolwa ngumphakathi.

Zonke izincomo ezishiwo kumbiko we-EIA kufanele zishiwo ngokugcwele kumbiko woHlelo Lokuphathwa Kwemvelo (EMPr), ochaza izenzo zokuvimbela /zokuthuthukisa kufanele ziqaliswe ukusebenza. Ama-EMPr ahlonishwa njengamathuluzi abalulekile okuphathwa kwezemvelo okuzwakalayo kwamaphrojekthi.

**Umdwebo 0.4 Uhlelo lokuhlolwa Komthelela Emvelweni (Environmental Impact Assessment Process)**



Ingxenywe ebalulekile yohlelo lwe-EIA wukuhlanganyela komphakathi. ENingizimu Afrika ukuhlanganyela komphakathi kuyadingeka ohlelweni loKugunyazwa Kwezemvelo ngokweZimiso Zomthetho we-EIA GN R.982 (Disemba 2014, njengoba uchitshiyelwe). *Ithebuli 2* uhlinzeka ukunconzululwa kwemisebenzi yokuhlanganyela komphakathi eyenziwe futhi isazokwenziwa ngesikhathi esisele sohlelo.

***Ithebuli 2 Imisebenzi Yokuhlanganyela Komphakathi***

Umsebenzi	Incazelo neNjongo
<b>Ngaphambi Kokufaka Isicelo</b>	
Ukulungiswa kwedathabheyisi yokuqala yababambiqhaza	Idathabheyisi yokuqala ihlanganisiwe yeziphathimandla (zasekhaya nezesifundazwe), Izinhlangano Okungeyizo Ezikahulumeni, abanikazi bomhlaba abangomakhelwane kanye nabanye ababambiqhaza ababalulekile (bheka ku <i>Sithasiselo B</i> ). Le dathabheyisi yama-I&AP abhalisiwe kuzogcinwa futhi kufakwe ulwazi olusha ngesikhathi esiqhubekayo sohlelo lwe-EIA.
Ukulungiswa kanye noKuhanjiswa koMbhalo Wolwazi Oluyisendlalelo (BID)	Ama-BID ahanjiswa nge-imeyili/ iposi kuwo wonke ama-I&AP kudathabheyisi yababambiqhaza. Bheka <i>Isithasiselo B</i> . I-BID ihlinzeka isethulo sephrojekthi kanye nohlelo lwe-EIA.

Umsebenzi	Incazelo neNjongo
Ukukhangiswa kwePhrojekthi	<p>Iphrojekthi yakhingiswa kumaphephandaba amane; i-Mercury ne-Isolezwe (ngesiZulu) nokusatshalaliswa e-Durban, ne-Zululand Observer nePhephandaba Ilanga (ngesiZulu), nokusatshalaliswa e-Richards Bay. Izinsuku nokusatshalaliswa zikanje:</p> <ul style="list-style-type: none"> <li>• I-Mercury – 18 Septhemba 2017</li> <li>• I-Zululand Observer – 18 Septhemba 2017</li> <li>• Ilanga (isikhangisi ngesiZulu) – 21 Septhemba 2017</li> <li>• Isolezwe (isikhangisi ngesiZulu) – 21 Septhemba 2017</li> </ul> <p>Bona ubufakazi besikhangisi ku<i>Sithasiselo B.</i></p>
Ukwakhiwa kweZaziso Zendawo	<p>Izaziso zendawo zifakwe ezindaweni ezilandelayo: Emitatshweni yolwazi kaMasipala WaseThekwini:</p> <ul style="list-style-type: none"> <li>• Durban North;</li> <li>• Durban Central Lending;</li> <li>• Amanzimtoti;</li> <li>• Warner Beach;</li> <li>• Isipingo Beach;</li> <li>• Umkomaas; kanye ne-</li> <li>• Tongaat Beach.</li> </ul> <p>Umasipala Wasekhaya uMhlathuze;</p> <ul style="list-style-type: none"> <li>• Umasipala Wase-Richards Bay; kanye</li> <li>• noMtapo Wezincwadi wase-Richards Bay.</li> </ul> <p>Ukungena eChwebeni lase-Richards Bay.</p>
Ukwenziwa koMbiko Wokuphawula Kokuqala kanye Nowezimpendulo	<p>Yonke imibiko yokuphawula etholakele ngesikhathi sokubonisana kokuqala yarekhodwa kuMbiko Wokuphawula kanye Nowezimpendulo. Bona ufakwe ku<i>Sithasiselo C.</i></p>
<b>Isigaba Sokukala Ubungako</b>	
Ukudelwa koMbiko Wokukala Ubungako owuhlaka Wokuphawula Komphakathi	<p>Umbiko Wokukala Ubungako owuhlaka uzoddelwa ukuze umphakathi uphawule. Isikhangisi sizoshicilelwa, izaziso zizothunyelwa kubo bonke ababambiqhaza abakudathabheyisi futhi umbiko uzotholakala ku-inthanethi nakule mitapo yezincwadi elandelayo:</p> <ul style="list-style-type: none"> <li>• Durban Public Library</li> <li>• Richards Bay Public Library</li> <li>• <u>Port Shepstone Public Library</u></li> </ul> <p>Yonke imibiko yokuphawula izofakwa kuMbiko Wokukala Ubungako wokugcina.</p> <p><u>*Kufanele kwaziwe ukuthi isihumusho sasekuqaleni soMbiko Wokukala Ubungako Owuhlaka wakhishwa ukuthi kuphawulwe ngawo mhla ka-27 Okthoba 2017. Ngenxa yoshintsho emumweni wephrojekthi kwathunyelwa isaziso ngomhla ka-7 Novemba 2017 ukwazisa ababambiqhaza ukuthi umbiko uzophindwe ukhishwe futhi (lo mbiko) isikhathi sokuphawula esigcwele sonke esiyizinsuku ezingama-30 ekuqaleni kuka-2018.</u></p>
Umhlangano Wokubandakanyeka Komphakathi	<p>Imihlangano yokubandakanyeka komphakathi ihlelwe ukuthi ibanjwe e-Richards Bay, e-Durban <u>nase-Port Shepstone</u> ukwethula iphrojekthi ephakanyiswayo nokuthola umbono kubabambiqhaza ohlelweni lokukala ubungako. KuMbiko Wokukala Ubungako Wokugcina kuzofakwa inkulumbo eyethuliwe, irejista yababekhona kanye namanothi omhlangano.</p>

Umsebenzi	Incazelo neNjongo
<b>Isigaba se-EIA</b>	
Ukukhipha i-EIR ewuhlaka kanye ne-EMP woKuphawula Komphakathi	I-EIR ewuhlaka kanye nombhalo we-EMPr uzotholakala isikhathi sokuphawula esiyizinsuku ezingama-30 kubabambiqhaza kanye neziphathimandla ezifanele. Kuzothunyelwa isaziso kuwo wonke ama-I&AP abhalisile kudathabheyisi yephrojekthi. Incwadi izomema ama-I&AP ukuthi aphawule nge-EIR ewuhlaka. Kuzobekwa izikhangisi zamaphephandaba kumaphephandaba asekhaya ezazisa ababambiqhaza ngokuba khona kombiko we-EIR owuhlaka ukuthi bawuhlole futhi sibameme emihlanganweni yomphakathi. Konke ukuphawula, kanye nezimpendulo kuzofakwa ku-EIR yokugcina.
Imihlangano Yokubandakanyeka Komphakathi	Imihlangano yokubandakanyeka komphakathi izobanjwa ngesikhathi sokuphawula ukuze kwethulwe okutholakele kwe-EIA kubabambiqhaza futhi kutholakale nombono ovela kubo. KuMbiko Wokukala Ubungako wokugcina kuzofakwa inkulumo eyethuliwe, irejista yababekhona kanye namanothi omhlangano.
Isaziso Sokugunyaza Kwezemvelo	Ama-I&AP azokwaziswa ngoKugunyaza Kwezemvelo kanye nesikhathi somthetho sokudlulisa izicelo.

### ***UKUKHONJWA KOMTHELELA***

Ingxenye ebalulekile yeSigaba Sokukala Ubungako wukuhlola kokuqala kwezindlela iphrojekthi engaxhumana ngazo (kahle nakabi) nemvelo (kubandakanya umzimba kanye nabemukeli bokuphilayo) kanye nezidingongqangi zenhlalo yomphakathi noma yabemukeli. Imithelela ekhonjiwe njengenokwenzeka ukuthi ibalulekile ngesikhathi sohlelo loKukala ubungako ihlinzeka ukugxila kwezingcwaningo ezenziwe ngesikhathi seSigaba se-EIA. Imithelela ebalulekile enokwenzeka ngayinye kuzoxoxwa ngayo futhi ihlolwe kabanzi ku-EIR.

*Ithebuli 3* ukwethula imithelela enokuba khona ekhonjwe ngesikhathi soKukala Ubungako njengokubalulekile okunokwenzeka futhi-ke kufanele kuqhutshekwe kuhlolwe ku-EIA.

Ithebuli linika imininingwane elandelayo:

- **Udaba** – umthelela onokwenzeka okufanele uhlolwe;
- **Imisebenzi** – lona ngumsebenzi wephrojekthi noma ingxenye yephrojekthi eholela emtheleleni onokwenzeka; kanye
- **neMiphumela Yokukala Ubungako** – incazelo yokuhlola kokuqala kweSigaba Sokukala Ubungako.

**Ithebuli 3 Imithelela Enokwenzeka evela Emisebenzini Ehleliwe kanye Nezigameko Eziyingozi**

No.	Udaba	Imisebenzi	Imiphumelo Yokukala Ubungako
<b>1</b>	<b>Imisebenzi Ehleliwe</b>		
1.1	Amanzi olwandle kanye nokwehla kwezinga leqophelo lezinto ezizike emanzini/ukungcoliseka kanye nemithelela ezilwaneni zasolwandle	<p>Amanzi angcolile aphuma emkhunjini wokumba wokunikezela kanye nasemikhunjini yosizo</p> <p>Ukulahlwa kwezingcezu zedwala kufakwe nodaka lokumba (okusikiwe) ngqo phansi olwandle naphezulu ngesikhathi sokumba</p>	<p>Imisebenzi iphuma emkhunjini wokumba kanye nayo yonke eminye imikhumbi yephrojekthi ingaba nomthelela eqophelweni lamanzi endawo futhi-ke kunokwenzeka kube nomthelela ezinhlanzini, ezilwaneni zasolwandle ezincelisayo futhi izimfudo ezikhona eNdaweni Yephrojekthi. Lo mthelela uzohlolwa futhi ku-EIR kubandakanywa ingxoxo maqondana nokujinjelwa kwalo mthelela ngokuqinisekisa konke okukhishwe wumkhumbi kuyahambisana ne-MARPOL 73/78 Annex I, Annex V ne-Annex IV.</p> <p>Okusikiwe okukhishwe kukho kokubili phansi nolwandle (ngaphambi kokufakwa kokokukhula) kanye nokusuka emkhunjini kungena emanzini (ngemuva kokufakelwa kokokukhuphula) kuzokwenza umusi wezinsalela okungaphazamisa izinto eziphila olwandle, imiphakathi ephila emanzini olwandle (izinto ezihlala/imiphakathi eyenzeka phakathi phansi olwandle) kanye nezilwane ezikhona olwandle endaweni. Lolu daba luzohlolwa ku-EIR, okuzobandakanya ingxoxo maqondana nokuphathwa kanye nokuqokethwe okuwuketshezi esizindeni salolu daka kanye nokugawuliwe ngaphambi kokulahlwa.</p>
1.2	Ukuphazamisa izinto eziphila olwandle	<ul style="list-style-type: none"> <li>• Umsindo owenziwa ukubekwa esimweni esikahle okuguquguqakayo komkhumbi wokumba</li> <li>• Umsindo nokungqangqazela okubangwa wokumba</li> <li>• Ukukhanya okwenziwa umkhumbi wokumba</li> </ul>	<p>Ukukala ubungako kwasho ukuthi umsindo waphansi kwamanzi owenziwe ngesikhathi semisebenzi yokumba kanye nokuba khona kwemikhumbi kungaholela ekuphazamisekeni kwezinto ezihlala olwandle nasezilwaneni ikakhulukazi izilwane ezincelisayo olwandle kanye nezinhlanzi. Umthelela womsindo ongaphansi kwamanzi kanye nokungqangqazela ezilwaneni zasolwandle kuzohlolwa futhi ku-EIR.</p>
1.3	Ukuphazamisa kokudoba (ukuhweba kanye nokuziphilisa)	<ul style="list-style-type: none"> <li>• Umshini wokumba, imikhumbi yokunikezela ngempahla, yokuhlola neyokusiza idlula iya futhi ibuya eChwebeni lase-Richards Bay/lase-Durban</li> <li>• Ukuba khona komkhumbi wokumba endaweni embiwayo (kubandakanya indawo ekhishiwe ewu-500 m)</li> </ul>	<p>Omabili iChweba lase-Richards Bay kanye neChweba lase-Durban angamachweba amakhulu, ahwebayo, anezinto zokuhamba eziningi futhi kanjalo izithuthi zomkhumbi owengezayo kule phrojekthi angeke kube kukhulu kangako futhi angeke kube wushintsho olukhulu ngokomthelela emisebenzini yokudoba.</p> <p>Imisebenzi yokudoba yezohwebo lodobo olude kanye nodobo olujwayelekile yenzeka endaweni okunentshisekelo kuyo futhi-ke kungenzeka ithetheleke ngokuba khona komkhumbi ombayo endaweni yokumba nokuqiniswa kwama-500 kwendawo ekhishwayo.</p> <p>Ubungako imisebenzi yokudoba engaphazamisa ngayo noma ibekeke engozini ngenxa yokumba kanye nemisebenzi yemikhumbi yale phrojekthi kuzohlolwa futhi ku-EIR.</p>

No.	Udaba	Imisebenzi	Imiphumelo Yokukala Ubungako
1.4	Ukushintsha kwesimo sezulu	Ukusha kwamafutha kawoyela oyizinsalela zakudala	Kunezinto ezishiwo ukushintsha kwesimo sezulu ekushiseni izinsalela zakudala zamafutha kawoyela ngemikhumbi yephrojekthi. Ukubaluleka kwalo mthelela uzohlolwa futhi ku-EIR.
<b>2</b>	<b>Izehlakalo Ezingahlelelwe/Eziyingozi</b>		
2.1	Ukungcoliswa kolwandle kanye nemithelela ezilwaneni eziphila olwandle  Impilo kanye nokuphepha komphakathi nabasebenzi	Ukungqubuzana kwemikhumbi/imililo ebangwa yi-elekthriki phakathi emkhunjini njll.	Ingozi yokungqubuzana kwemikhumbi ngenxa yemisebenzi yemikhumbi yephrojekthi iphansi uma kunezindlela zokuvimbela ezifanele futhi zibandakanyiwe ku-EMPr yale phrojekthi.  Nakuba ingozi iphansi, umthelela wokuchitheka kodizili ngenxa yokungqubuzana kwemikhumbi phakathi kwemikhumbi yephrojekthi kanye neminye imikhumbi (isb. eyokudoba neyokuhweba) ezintweni ezamukelayo ezizwelayo (izinhlanzi, izilwane zasolwandle ezincelisayo, izimfudu, njll.), izinto ezihlala ogwini nasolwandle, abasebenzisi abadobayo kanye nabanye kuzohlolwa futhi ku-EIR.  Umthelela wokungqubuzana komkhumbi empilweni nasekuphepheni kwabasebenzi kanye nabanye abasebenzisi bolwandle nawo uzohlolwa futhi ku-EIR.
2.2	Ukungcoliswa kolwandle kanye nemithelela ezilwaneni zasolwandle nasekudobeni  Impilo kanye nokuphepha komphakathi nabasebenzi	Ukungqubuzana kwemikhumbi phakathi komkhumbi wokumba kanye nesikebhe sokunikezela ngempahla	Ingozi yokuthi umkhumbi wokumba ungqubuzane nomkhumbi wokunikezela ngempahla iphansi uma kubekwe izindlela zokuvimbela ezifanele futhi zifakiwe ku-EMPr yale phrojekthi.  Nakuba ingozi iphansi, umthelela wokuchitheka kodizili ngenxa yokungqubuzana kwemikhumbi phakathi komkhumbi wokumba kanye nomkhumbi wokunikezela ngempahla ezintweni ezamukelayo ezizwelayo (izinhlanzi, izilwane zasolwandle ezincelisayo, izimfudu, njll.), izinto ezihlala ogwini nasolwandle, abasebenzisi abadobayo kanye nabanye kuzohlolwa futhi ku-EIR.  Umthelela walolu hlobo lokungqubuzana komkhumbi empilweni nasekuphepheni kwabasebenzi kanye nabanye abasebenzisi bolwandle nawo uzohlolwa futhi ku-EIR.
		Ukuqhuma	Ukuqhuma wukudedelwa okukhulu kukawoyela/kwegesi ekujuleni kolwandle Ingozi yokuqhuma kuphrojekthi ingancishiswa ngokuqinisekisa ukuthi inqubo yokuphatha ukuqhuma ifakiwe ku-EMP kanye noHlelo Lokuphendula Ekuchithekeni Kukawoyela kule phrojekthi.  Umthelela wokuqhuma kukawoyela/kwegesi kuzoholela ekungcoleni kolwandle kanye nasekuphazamisekeni kwazinto ezamukelayo ezizwelayo kanye nezinto ezihlala olwandle nokungenzeka zihlale ogwini. Kuzophazamisa futhi impilo nokuphepha kwabasebenzi bese kuholela ekuncipheni kweqophelo lomoya endaweni okwenzeke kuyo ukuqhuma. Ubukhulu bomthelela wokuqhuma uzobe-ke sewuhlolwa futhi ku-EIR.

No.	Udaba	Imisebenzi	Imiphumelo Yokukala Ubungako
2.3	Impilo kanye nokuphepha komphakathi nabasebenzi	Izinto eziwisiwe	Izinto eziwe emikhunjini yephrojekthi zingaholela ezingozini ezinkulu zezempilo nokuphepha, ukunqandwa nokujinjelwa kwalezi zehlo kudingeka ukuthi kufakwe ku-EMP ukuthi le phrojekthi inciphise ingozi. Ubukhulu balo mthelela buzobe-ke sebhulolwa futhi ku-EIR.
		Izehlakalo zamahelikhoptha	Ukuvimbela izehlakalo zamahelikhoptha ngesikhathi zokudluliselwa kwethimba labasebenzi kuzobandakanywa ku-EMPr kule phrojekthi ukuze kuncishiswe ingozi. Ubukhulu balo mthelela buzobe-ke sebhulolwa futhi ku-EIR.



## UHLELO LOCWANINGO LWE-EIA

Kulandela Isigaba Sokukala Ubungako bephrojekthi, ithimba le-EIA:

- lizofaka ulwazi olusha futhi luphethe incazelo yeprophjekthi yobuchwepheshe njengoba kuvela khona eminye imininingwane yeprophjekthi;
- lizoqhuba ukubonisana okwengezayo futhi lilungise ubungako be-EIA njengoba kudingeka;
- lizoqoqa idatha eyisisekelo eyengezayo ngokusebenzisa ucwaningo olwenziwa ekhompuyutheni ukuqedela incazelo ephelele yezimo zemvelo kanye nezenhlalo yomphakathi;
- lizokwenza ukuhlolwa komthelela wokuxhumana kwemisebenzi yeprophjekthi nezidingongqangi ezibalulekile zezemvelo kanye nenhlalo yomphakathi kanye nalezo zinto ezamukelayo;
- lizokwenza izindlela zokuvimbela nokuthuthukisa kanye nokusho uhlelo lokubhekela kwezemvelo i-Environmental Management Programme (EMPr) kubandakanya indlela yokuqapha; futhi
- lizobika ngokutholakele ku-EIR ephelele.

Izinto eziningi zikhonjiwe ngesikhathi soCwaningo Lokukala Ubungako okudinga izingcwaningo ezenziwa ngongcweti ukuqonda umthelela ongaba khona ngokubanzi. Izingcwaningo zongcweti ezilandelayo zikhonjiwe ukuze kubhekwane nezindaba ezibalulekile kanye namagebe kudatha:

- Izilwane eziphila olwandle;
- Izindawo zokudoba izinhlanzi;
- Isibonelo Sokuchitheka Kowoyela; kanye
- neSibonelo Sezinto Ezisikwe Kumbiwa

Isheduli yesikhashana ye-EIA ihlinzekiwe ku-*Ithebuli 4* ngezansi.

### *Ithebuli 4*     *Isheduli Ye-EIA Yesikhashana*

Umsebenzi	Isikhathi
Ukuhanjiswa Kombiko Wokugcina Wokukala Ubungako	Mashi 2018
Ukugunyazwa Kombiko Wokukala Ubungako	Ephreli 2018
Ukudalulwa koMbiko We-EIA Owuhlaka	Meyi 2018
Ukuhanjiswa koMbiko Wokugcina We-EIA	Julayi 2018
Ukugunyazwa Kwezemvelo	Novemba 2018