

ISISHWANKATHELO ESINGAFUNI ULWAZI LOBUGCISA (NON-TECHNICAL SUMMARY)

INTSHAYELELO

Esi Sishwankathelo Singafuni ulwazi loBugcisa sinikezela ngesishwankathelo ngoyilo lweNgxelo yoVavanyo lweMpembelelo kwezeNdalo elungiselelwe njengexalenye yenkqubo ye-EIA eyenzelwa inkqubo yokuhlolwa kokubhola kwiBhloko okundululiweyo kwiBhloko engu ER 236, kuNxweme lweMpuma yoMzantsi Afrika (emva koko ibizwa ngokuba 'yi projekthi').

INJONGO YALE NGXELO YE-EIA

Ulawulo lweZimbiwa zeNdalo (i-ERM) luye lwanyulwa yi-Eni South Africa BV (Eni) ukuba lwenze, njengoMmeli wezeNdalo Ozimeleyo, inkqubo epheleleyo ye-EIA yeprojekthi njengoMthetho woLawulo wezeNdalo weSizwe (i-NEMA) (uMthetho onguNombolo107 ka-1998) Imimmiselo, 2014 (njengoko ihlonyelwe ngo-2017). Iprojekthi idinga ukuGunyazwa kwezeNdalo (EA) okusuka kwiSebe likaZwelonke lemiThombo yeziMbiwa (DMR) ngokusebenzisa i-Arhent yePetroli yoMzantsi Afrika (i-PASA). I-DMR iligunya elinobuchule lale projekthi, oko kuthetha ukuba inamandla okugunyazisa ukuphuhlisa okanye ukuyilandula. Le projekthi iza kugunyaziswa phantsi kwe-NEMA.

Iinjongo eziphambili zenkqubo ye-EIA ibikuqaphela nokuhlola iimpembelelo zendalo ezibalulekileyo ezinokubakhona ezinxulumene nemisebenzi ecetywayo, kunye nokuyila ukunciphisa okufanelekileyo, ulawulo kunye namanyathelo okulawula ukuze iqinisekise ukukhuselwa kwendalo yemvelo ekude nonxweme kunye nokukhuselwa kwabantu kunye neendawo zasekuhlaleni. Ukuqaphela bhetele iimpembelelo ezimbi ezinokubakhona ezinxulumene nemisebenzi yeprojekthi, uphando oluzinikeleyo lweengcali lwenziwe (jonga ngezantsi ngeenkukacha ezingaphezulu). Ezi ziye zavumela ukwamkelwa kobugcisa obufumaneka kakhulu kunye nezenzo zokuthintelwa kwempembelelo kunye nokuncitshiswa.

La manyathelo okuthintela kunye nokunciphisa, kunye neenjongo zokubeka iliso, zichazwe kwiNgxelo yeNkqubo yoLawulo lweNdalo (i-EMPr), ethi yenze iSahluko se-9 sengxelo esayilwayo ye-EIA. Oku kuyadingeka phantsi kweSahluko ses-5 soMthetho woLawulo wezeNdalo weSizwe (iNombolo ye-107, ka-1998), njengoko ihlonyelwe, kwaye ibasisibophelelelo esisemthethweni kwimeko yokuvunywa kweprojekthi ligunya elinobuchule.

I-Eni kunye ne-Sasol Afrika Limited (i-Sasol) zibambe Ilungelo lokuHlola kuNxweme lweMpuma yoMzantsi Afrika. I-Eni kunye neSasol ziqwalasela ithuba lokuqhuba inkqubo ¹ yokuhlolwa kokubhola kwiBhloko engu-ER236. Injongo yenkqubo yokuhlolwa kokubhola kukufumanisa ukuba kukho naluphi na urhwebo olunokwenzeka lwe-hydrocarbon (i-oyile kunye negesi) ngaphantsi kwentsele yolwandle ukuze kulungele ukuba i-Eni kunye neSasol zenze uphuhliso oluqhubela phambili kwiBhloko.

I-Eni yinkampani yamandla ehlanganisiweyo yehlabathi, isebenza kumazwe angama-71 ehlabathini enabasebenzi abangaphezulu kwabaqeshwa abangama-33,000. I-Eni ibandakanyeka ekuhlolweni nasekuvelisweni kwe-hydrocarbon, igesi kunye namandla, ukucocwa, ukuthengiswa kunye nezinto ezivuselekayo kulo lonke uludwe lwemisebenzi eveliswa yinkampani. I-Eni yinkokeli yehlabathi ekubholeni kwangaphantsi kolwandle, inemithombo yangaphantsi kolwandle engaphezulu kwama-872 (apho ama-284 ngamanzi anzulu okanye ngamanzi anzulu gqitha) ibhola ngokukhuselekileyo kuyo yonke imimandla yemvelo ekude nonxweme eyahlukeneyo engama-20, ibonisa imiceli-mngeni yayo ekhethekileyo. Ubungcali bayo buye bafezekiswa ngokusebenzisa uqaliso olutsha lobugcisa kunye nabasebenzi abanamava abamkela ulawulo kunye neenkqubo zokusebenzisa ngokufanelekileyo kwenkampani.

Njengenxalenye yenkqubo yokuhlola, i-Eni ingabhola ukuya kutsho kwimithombo yamanzi anzulu emithandathu ngaphakathi kwiBhloko engu-ER236, imithombo emine ngaphakathi kwindawo yomdla esemantla kunye nemithombo emibini ngaphakathi kwindawo yomdla esemazantsi (*Umfanekiso 3*). Indawo yokuqalisa (kwindawo esemantla okanye esemazantsi) ayikachazwa, kwakunye nokulandelelana kwemithombo, exhomekeke kwiziphumo zomthombo wokuhlolwa okuqala kunye nokutolikwa kwedatha efunyenweyo.

Ukubholwa komthombo wokuhlolwa okuqala kucwangciswe kwangethuba phakathi koNovemba ka-2019 kunye no-Matshi ka-2020, kwaye ukubholwa komnye womthombo kulindeleke ukuba kuqalise ngokolandelelwano lweenyanga ezimbini ukuligqiba. Ubunzulu bokubhola obulindelekileyo bungaba malunga nama-3,800 m ukuya kutsho kuma-4,100 m kwindawo esemantla kunye ne-5,100 m kwindawo esemazantsi, ukusuka kumphezulu wolwandle, ngokusebenzisa intsele yolwandle, ekujoliseni kubunzulu.

¹ Xa kusenziwa imisebenzi yokuhlolwa kokubhola, kukho iindidi ezimbini zemithombo ebholwayo: umthombo wokuhlola kunye nomthombo wentelekelelo yexabiso. Umthombo wokuhlola ubholwa ukuze kufunyaniswe ukuba ukhona na umthombo we-hydrocarbon. Umthombo wentelekelelo yexabiso ufunyanwa kufutshane nomthombo wokuhlola ubholwa. Kubholwa kuphela xa kuthe kwabhaqwa uvimba we-hydrocarbon, kwaye isetyenziselwa ukuseka ubungakanani kunye nomlinganiselo wezinga lokuhamba onokwenzeka (indlelae hamba ngokukhawuleza ngayo) kwako nakuphi na ukubakhona kwe-hydrocarbon. Intelekelelo yexabiso yokwanda kovimba kunye neempawu ziza kuxhasa isigqibo sesigaba sokuphuhlisa, ukuze kuveliswe i-hydrocarbon. Isigaba sokuphuhlisa siza kufuna ukuhlolwa okutsha kwe-EIA kwaye ayiyiyo inxalenye yolugunyaziso lwe-EA.

Ngokuxhomekeke kwisiphumo sokuhlola kokuqala, ukuba umthombo womile umsebenzi uzakushenxela kwenye indawo, ukuba ukubhaqwa okunempumelelo kuzakufunyanwa, i-Eni iza kugqiba ukuba ibhole umthombo wentelekelelo yexabiso kufutshane nendawo efanayo, okanye ibhole omnye umthombo wokuhlola. Ubuninzi bemithombo emibini yokuhlola kunye neyentelekelelo yexabiso bulindelekile kwindawo yomdla esemaNtla, ngelixa ukuhlolwa okunye kunye nentelekelelo yexabiso enye ikwindawo yomdla esemaZantsi.

Ixesha lokulandelelana kwale mithombo yongezelelweyo inokubakhona liza kuxhomekeka kwiziphumo kumthombo wokuhlolwa okokuqala kwaye kungathandeka kakhulu ukuba kungenzeki ngokukhawuleza emva kokubholwa komthombo wokuqala. Ukuvavanywa komthombo kungenziwa kuphela kwimithombo yentelekelelo lexabiso xa ibonisa ubukho bobuninzi bentengiso ye-hydrocarbon enokwenzeka.

Ekupheleni kwemisebenzi zombini iintlobo zemithombo, ukuhlolwa kunye nentelekelelo yexabiso, zizakuvingcwa¹ kwaye zishiywe ("ukurhoxa kwindawo yokusebenza") ngokwemigangatho yehlabathi kunye nokusebenza ngokufanelekileyo. Umthombo kunye nentloko yomthombo ziyavingcwa ngezivingco zesamente. Imithombo eshiyiweyo iza kuba nesithintelo somngxuma ongezantsi esizakuvingca umthombo ukusuka nokuya kwintsele yolwandle kwaye sizakuthintela ukukhutshwa kwe-hydrocarbon ngafunekiyo kwaye intloko yomthombo iza kushiya kwintsele yolwandle. Indawo yeentloko zomthombo ziza kuphawulwa kwitshathi ye-Ofisi ye-HydroSAN ukwenzela ukuhamba okhuselekileyo.

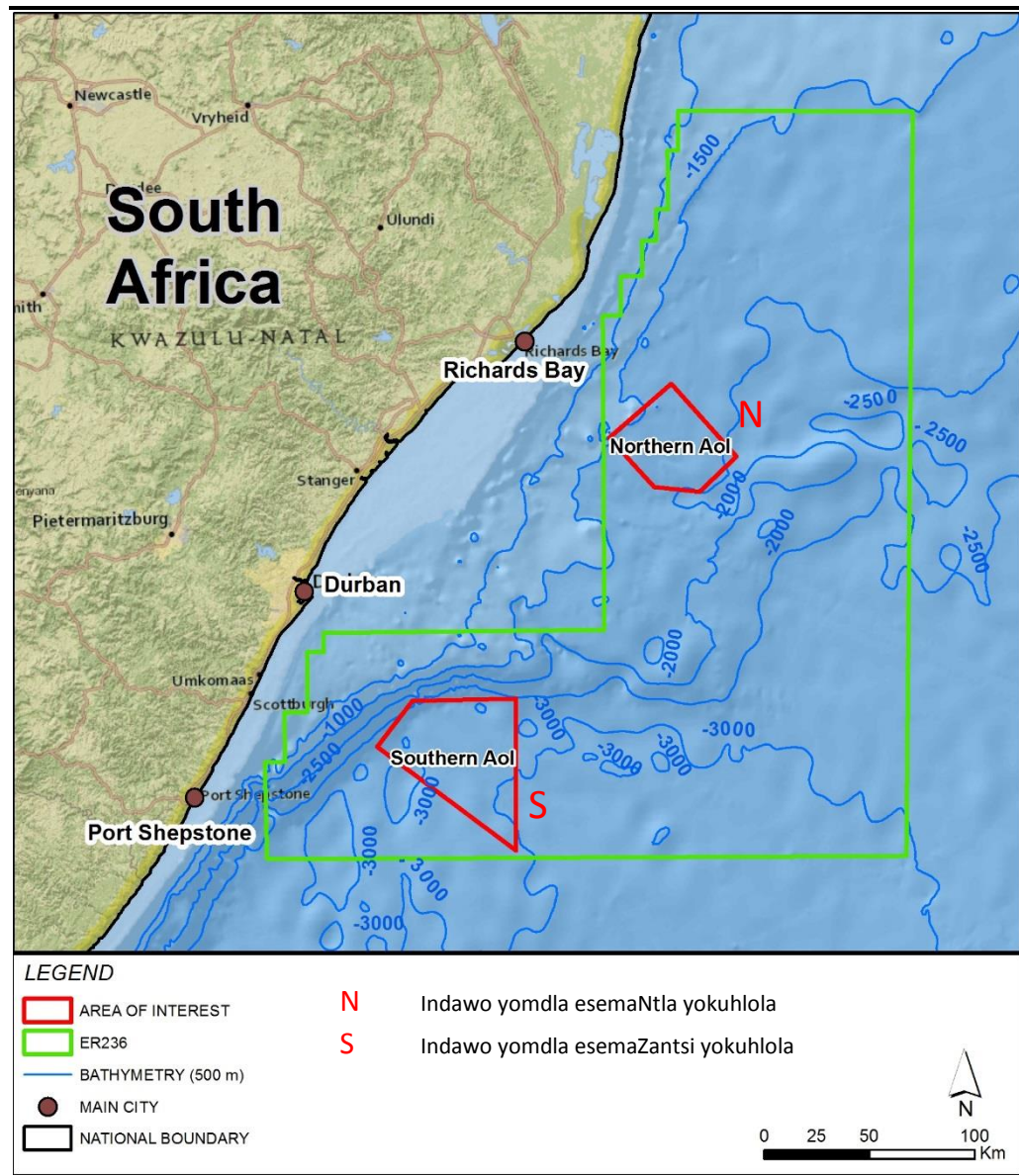
INDAWO YEPROJEKTHI

I-Eni Icebisa ukubhola imithombo yokuhlola ngaphakathi kwi-Bhloko engu-ER236, ngaphakathi kwiindawo ezimbini ezinomdla:

- **Indawo yomdla esemaNtla** (malunga ne-1,717.50 km² kwindawo), ekwindawo, ekwindawo yayo ekufutshane kakhulu, malunga ne-62 km ukusuka elunxwemeni, kubunzulu bamanzi obusuka phakathi kwe-1,500 m kunye ne-2,100 m (*Umfanekiso 1*).
- **Indawo yomdla esemaZantsi** (malunga ne-2,905 km² kwindawo), ekwindawo, ekwindawo yayo ekufutshane kakhulu, malunga ne-65 km ukusuka elunxwemeni, kubunzulu bamanzi obusuka phakathi kwe-2,600 m kunye ne-3,000 m (*Umfanekiso 2*).

¹ Ngemithombo yokuhlola, umsebenzi wokuvingca nokushiya uza kuba ngowokugqibela, kangangokuba akukho ukungena kwakhona kumthombo okucwangcisiweyo. Kwisiganeko sokubhaqa, kwimithombo tentelekelelo yexabiso isivingco sesamente sizakuba nokwakhiwa okuhlukene kunye nomlinganiselo (ubude) ukuvumela amandla okubhola kwakhona isamente kunye nokufumana kwakhona umthombo ukwenzela isigaba sophuhliso lwexesha elizayo.

Umfanekiso 3 Imephu yeNdawo yeprojekthi



Umthombo wolwazi: Ingxelo ye-EIA, 2018.

IMISEBENZI YEPROJEKTHI

Izinto eziphambili ezinxulumene neprojekthi ziquka oku kulandelayo:

- Umthombo wokuhlolwa okude nonxweme;
- Inqanawa yokubhola kubunzulu bamanzi (*Umfanekiso 2*);
- Indawo eyodwa engqonge inqanawa yokubhola;
- Isiseko sonxweme (i-Richards Bay okanye i-Durban);
- Iinqanawa zokubonelela, iinqanawa ezingamalalela kunye neehelikopta; kunye
- Amaseko kunye neenkonzo.



Umthombo wolwazi (Source): Shutterstock, 2017

Imisebenzi yeprojekthi eyoyanyaniswa nokubhola iquka ezizigaba zilandelayo:

- Isigaba sokuHlanganiswa
 - Inqanawa yokubhola kubunzulu bamanzi iza kuhlangukiswa kwindawo yomthombo yokuqala evela eNtshona Afrika okanye eMpuma Afrika.
 - Inqanawa zenkxaso zingahamba ngqo ngokuphelele kunye nenqanawa yokubhola ukuya kwindawo okanye ukusuka e-Richards Bay okanye kwiseko sonxweme lwase Durban.
 - Ukusebenza kweendawo ezisekwe elunxwemeni zokusingatha iinkonzo zenkxaso ezifunwa yinqanawa yokubhola.
 - Imoto Oyiqhuba Ukude (Remote Operated Vehicle [ROV]) ikhangela ucando lwaphambi kokubholwa kwentsele yolwandle kunye nendawo ekuwo umthombo.
- Isigaba Sokubhola
 - Ukubholwa komthombo nokuba kukwindawo yomdla esemantla okanye esemazantsi.
 - Imikhethe yokusetyenzwa komthombo (indlela esecaleni, ukugawula imithi, ukugqiba).
 - Ukuvavanywa komthombo ngokunganyanzelisiyo.
- Ukuvingcwa komthombo, Ukushiywa (“Ukurhoxa kwindawo yokusebenza”) kunye neSigaba sokuchithachitha
 - Ukuvingcwa komthombo kunye nokushiywa.

- Ukuchithachithwa kwenqanawa yokubhola, inqanawa kunye nesiseko solungiselelo lwendawo.

Yonke imisebenzi iza kwenziwa ngendlela, ehambiselana nokusebenza ngokufanelekileyo koshishino lwehlabathi okwamkelweyo. Inkcazo ecacileyo yemisebenzi yeprojekthi iye yaxelwa *kwiSahluko sesi-3* seNgxelo esayilwayo ye-EIA (*"Inkcazelo yeprojekthi"*). Nangona kukho inkqubela phambili ekufunyanweni kwedatha yokulinganisa inyikima kunye nokuhlalutya, okwangoku azikho ezinye iindlela ezikhoyo zokufumanisa ngokuqinisekileyo ubukho boovimba be-hydrocarbon ngaphandle kokuhlola kunye nokubhola kwentelekelelo yexabiso.

UKUPHUMA OKUCWANGCISIWEYO KUNYE NOKUKHUTSHWA, ULAWULO LWENKUNKUMA

Imisebenzi yokubhola okucwangcisiweyo kunye nemisebenzi yeprojekthi ingakhokelela kwisenzo sokuphuma komoya, ukukhutshelwa elwandle, inkunkuma efuna ukulahlelwa emhlabeni kunye nokukhutshwa kwengxolo.

Zonke iinqanawa ziza kuba nezixhobo, iinkqubo kunye neeprothokholi ezikhoyo zokuthintela ungcoliseko lwe oyile, ilindle kunye nenkunkuma ngokuhambelana ne-MARPOL 73/78. Isicwangciso soLawulo lweNkunkuma esisodwa seprojekthi (esibandakanya zonke iinkunkuma ezivele kude nonxweme nangaselunxwemeni) sizakuveliswa ngokuhambelana neemfuno ze-MARPOL 73/78, imimmiselo yaseMzantsi Afrika kunye nemigaqo yolawulo lwenkunkuma ye-Eni. IsiCwangciso seSehlo esinokwenzeka Sokuchitheka kwe-Oyile (Oil Spill Contingency Plan [OSCP]) siza kuveliselwa le projekthi, ngokwemiqathango yeNkqubo yoLawulo lweSehlo esamkelwe sisizwe sokuchitheka ne-OSCP yeSizwe.

ISISEKO SEZENDALO KUNYE NOQOQOSHO LWEZOLUNTU

Uluhlu 1 ibonisa isishwankathelo sezinto ezibuthathaka zesiseko ezingundoqo kwiNdawo yeprojekthi.

Uphawu	Inkcazo
IiNdawo eziKhuselweyo zaseLwandle (ii-MPA)	- Azikho ii-MPA ezikhoyo ezingenanayo kunye neendawo zomdla wokubhola. - Nangona iBhloko engu- ER236 ingenana ne-MPA yeendonga zomlambo zeSadlunge ecetywayo kunye nokwandiswa okucetywayo kwe-MPA ye-iSimangaliso Wetland Park, akukho ukungenana kweendawo zomdla zokubhola kunye nee-MPA ezicetyiweyo. - Kufuneka kuqatshelwe ukuba amacandelo e-ER236 yasekuqaleni ethe yangenana kunye ne-iSimangaliso ekhoyo kunye nee-MPA ze-Aliwal Shoal ziye zanikezelwa ngexesha leNkqubo yokuhlaziywa kweLungelo lokuHlola ngo-2016.
Iimpawu zentsele yolwandle kunye nendawo yokuhlala ye-benthic (izilwanyana neentyatyambo ezikummandla osemazantsi olwandle)	- Indawo yomdla esemantla yokubhola umthombo ifumaneka kude nonxweme, kwimpuma ye-Natali Bight kwi->1,500 m yobunzulu bamanzi. - Kwindawo yomdla esemantla yokubhola umthombo, iindawo ze-benthic ezikuMphezulu nakuMphantsi we-Bathyal ye-Southwest Indian (iindawo zokuhlala zenzeka kwintsele yolwandle) ziyafumaneka, nangona indawo yokuhlala ye-benthic ekuMphezulu nakuMphantsi we-Bathyal ye-Southwest Indian ivelele kwindawo yomdla esemazantsi, zombini apho ziye zabelwa isimo esiyingozi kwi-ecosystem esi 'Inobungozi obuncinane' ekuHlolweni kwe-Biodiversity yeSizwe ye-SANBI 2011. - Indawo ze-benthic kwezindawo zokuhlala ngokubanzi ziyafana nawo wonke ummandla woNxweme lweMpuma esemaZantsi e-Afrika, ihluke kuphela ngodidi lwentsele yolwandle kunye/okanye indawo yobunzulu.
Ii-Coelacanths (Iindidi zeentlanzi eziphila kwimiqolomba ekubunzulu bolwandle)	I-Tugela (600 ukuya kutsho kubunzulu obuyi-2,800 m ubunzulu) kunye ne-Goodlad Canyons (20 ukuya kutsho kubunzulu obuyi- 1,400 m) zifumaneka kufuphi neendawo zomdla ezisemazantsi nasemantla zokubhola ngokwahlukeneyo. Ii-Coelacanths zinoludwe lweendawo zokuhlala ezimxinwa kwaye zifunyenwe kwihlabathi jikelele kubunzulu bamanzi phakathi kwe-90 ukuya kutsho kwi-300 m, kwii-canyons (imiwonyo enzulu eyombiwe ngumfula) ezinokuxhumana kwi kungqameko lwelizwekazi. Ngenxa yobunzulu bee-canyons ezifumaneka kufuphi kakhulu neendawo zomdla ezisemantla nasemazantsi, kwaye imithombo yokutya enganelanga kobubunzulu, ngokudityaniswe nobunyani bokuba ezi-canyons ziswele ukudityaniswa kungqameko lwelizwekazi, kuye kwahlolwa yingcali ngokubhekiselele kwidatha efumanekayo ukuba i-Tugela kunye neGoodlad Canyons ayinakwenzeka ukuba akungethandeki ukuba inikezele ngendawo yokuhlala efanelekayo ye coelacanths. Ukongezelela, akukho ukubhola okuakwenziwa phakathi kwii- canyons.
Iikorale Ezikubunzulu baManzi	- Ukwenzeka kweekorale ezikubunzulu bamanzi kwi-Bhloko engu-ER 236 kunye neendawo zomdla azaziwa. - Oku kuzakufunyaniswa ngokusebenzisa ngocando lwaphambi kokubholwa lwe-ROV.

Uphawu	Inkcazo
Iminenga kunye namaHlengesi (Whales and Dolphins)	- Kukho iintlobo ezingama-36 zeminenga kunye namahlengesi (i-cetaceans) ekungathandeka ukuba zifunyanwe kwi-Bhloko engu-ER236. Kwiintlobo ezingama-36, umnenga oluHlaza we-Antarctic 'usemngciphekweni wokutshabalala omandundu', ihlengesi elinesifombo le-Indo-Pacific, umnenga onephiko lentlanzi kunye nomnenga we-sei zithathelwa ingqalelo njenge 'zisengozini yokutshabalala' kwaye izilo ezincinane ze-Ifafi-Kosi Bay zehlengesi elinempumlo efana nebhottle ye-Indo-Pacific, umnenga eSpemu (Sperm whale) kunye nomnenga we-Bryde (izilo zaphakathi elunxwemeni) zithathelwa ingqalelo njenge 'zisesichengeni' Ekuhlolweni koLuhlu lwencwadi yeDatha eBomvu yoMzantsi Afrika. - Iintlobo eziqheleke kakhulu kwiindawo yomdla (ngokwendlela yokuthandeka komlinganiselo wokuqubisana, ingebubo ubungakanani bezilo zizonke) kuyathandeka ukuba kuxhaphake ihlengesi elinempumlo efana nebhottle, ihlengesi elinempumlo efana nebhottle ye-Indo-Pacific, umnenga we-pilot onephiko lentlanzi elifutshane kunye nomnenga onesifombo. - I-ER236 ifumaneka phakathi kwendlela yokufuduka kweminenga eneSifombo (Inkxalabo Encinane) kunye ne-Southern Right (Inkxalabo Encinane). - Iminenga ye-Southern right iza kudlula kwi-Bhloko engu-ER236 ngo-Julayi kunye no-Agasti kwaye kwakhona ekufudukeni kwazo kumazantsi ngo-Oktobha/Novemba. - Ii-Humpbacks zinendlela ekubini yokusasazeka kuNxweme lweMpuma, uninzi lwazo lufikelela kumanzi omntla waseAfrika kuqikelelo luka-Apreli, kuqhubeka ukuya kuSeptemba/Oktobha xa ukufuduka kwasemazantsi kuqala kwaye kuqhubeka ukuya kuDisemba kunye nasekupheleni kukaFebruwari. Ixesha lonyaka lokuzala kwee-Humpbacks linwenwela ukusukela ngoJulayi ukuya ku-Oktobha, libekwincachoyi ekuqaleni kuka-Agasti.
Amafudo aselwandle	- Iintlobo ezintlanu zofudo zaziwa ukuba zenzeka kuNxweme lweMpuma: i-leatherback (ufudo olunesikhumba emqolo), olubonwa kakhulu kutsha nje, kunye namafudo e-loggerhead, green, olive ridley kunye ne-hawksbill turtles. Kudweliso oluBomvu lwe-IUCN, ufudo lwe-hawksbill luchazwa njengolu 'Semngciphekweni wokutshabalala', ufudo lwe-green lu 'Semngciphekweni wokutshabalala' kwaye i-leatherback, i-loggerhead kunye ne-olive ridley zi 'Sesichengeni' kumlinganiselo wehlabathi. - Zombini ufudo lwe-leatherback kunye ne-loggerhead zakha iindlwane zazo zamaqanda kumalwandle onxweme lwasemazantsi e-KZN (i-St Lucia, iSimangaliso) phakathi ku-Okthobha kunye naphakathi kuJanuwari. Amantshontsho ofudo ayazalwa ukususela phakathi kuJanuwari ukuya phakathi kuMatshi xa Uminga we-Agulhas ufudumele kakhulu. Xa amantshontsho engena elwandle, afudukela ngasemazantsi elandela Umsinga we-Agulhas kwaye acingelwa ukuba ahlale kumzungulezo we-Indian Ocean esemazantsi kwiminyaka emihlanu yokuqala yobomi bawo. - Iimimandla yaphakathi elunxwemeni yesahlulo sasemantla weBhloko ye-ER236, ihambelana nokufuduka kokwakha iindlwane zangaphakathi kwee-leatherbacks, kodwa indawo yomdla ifumaneka ngaphandle koluhlu lokwakha iindlwane zangaphakathi. - I-Leatherback kunye nee-loggerheads kuyathandeka ukuba zikuqubisana kwiBhloko engu-ER236 ngexesha lazo lokufudukela ifula.
Amaqanda eentlanzi, indawo yamantshontsho kunye neendawo zokufumana amantshontsho.	- Iindawo zomdla zikude nonxweme lwamaqanda eentlanzi aphambili kunye neendlela zokufuduka kwaye ubuninzi be-ichthyoplankton kuyathandeka ukuba bubephantsi. - I-sardine ibaleka ecaleni konxweme lweMpuma Koloni nokuya kutsho kumazantsi e-KZN iphakathi elunxwemeni lwendawo yomdla. - Amaqanda e-pilchard aphakathi elunxwemeni lwendawo yomdla.

Uphawu	Inkcazo
Ukuloba i-Pelagic enkulu ngoMtya Omde	Indawo yomdla ingenana kunye nendawo yokuloba ngomtya omde ejolise kakhulu kwi-tuna kodwa nakwi swordfish.
Ingxinano yaselwandle	- Indawo yeprojekthi ingangenana neendlela ezithathwe ziinqanawa ezithutha ipetroli nezithwala impahla eninzi. Iinqanawa zobonelelo zingasebenzisana kunye nokuxinana kweenqanawa yaphakathi elunxwemeni ngenxa yoqokelelo lweempahla ukusuka kwiZibuko laseDurban okanye i-Richard's Bay. - Amazibuko orhwebo oNxweme lwaseMpuma abalulekileyo aquka i- Port Elizabeth, i-East London, i-Durban kunye ne-Richards Bay.
Abasebenzisi bezolonwabo	Ukusetyenziselwa ulonwabo kwezimbiwa zolwandle ecaleni koNxweme lwaseMpuma kwenzeka ngokukodwa phakathi kumanzi aphakathi elunxwemeni kwindawo yeedolophu zonxweme kunye neendawo zolonwabo zokuchitha iiholide.

INKQUBO YE-EIA EYENZIWEYO UKUZA KUTSHO NGOKU

ISIGABA SENYATHELO LOKUQALA KWINKQUBO YOPHUHLISO LWE-PROJEKTHI

Isigaba senyathelo lokuqala kwinkqubo yophuhliso lwe-projekthi esenziweyo silandela iimfuneko ze-NEMA. Oku kubandakanya inkqubo yokwazisa Amaqela anoMdla kunye naChaphazelekayo (I&APs) eprojekthi ecetyiweyo kunye nenkqubo ye-EIA ukuze kuqinisekiswa ukuba zonke iimpembelelo eziphambili zendalo ezinokubakhona, kuquka ezo zifuna uphando olongezelelweyo, ziqatshelwe.

Ingxelo yokugqibela yenyathelo lokuqala kwinkqubo yophuhliso lwe-projekthi (iquka Isicwangciso soPhononongo) sangeniswa kwi-PASA ngomhla we-8 ka-Matshi 2018 ngokuqwalaselwa kwayo. Incwadi yeMvume ye-PASA yeNgxelo yokugqibela yenyathelo lokuqala kwinkqubo yophuhliso lwe-projekthi yakhutshwa ngomhla we-16 ka-Apreli 2018.

ISIGABA SE-EIA

Idatha eqokelelwe kwingcaciso yesiseko ikhethiwe ukuba imele indawo yeprojekthi eqwalaselwe kwimeko yenkqubo ye-EIA. Ngokubhekiselele kwidatha efumanekayo, ukuhlolwa kwempembelelo kwenzelwe zonke izinto ezibuthathaka imvakalelo ezingezizo ezingenabungozi ngexesha lesigaba sengxelo senyathelo lokuqala kwinkqubo yophuhliso lwe-projekthi kwaye iquka ukucaciswa okongezelelweyo okucelwe ngabachaphazelekayo, ngexesha lengcaciso yeSigaba sengxelo senyathelo lokuqala kwinkqubo yophuhliso lwe-projekthi ngoFebruwari ukuya kutsho kuMatshi 2018. Wonke amanyathelo acetyiweyo okuthintela nokunciphisa anikezelwe kwaye achazwe ngokucacileyo kwiSahluko se-9 (EMPr) seNgxelo ye-EIA.

Amaphononongo eengcali

La maphononongo eengcali alandelayo enziwe ngexesha leSigaba se-EIA ukucacisa imiba ephambili efuna uphando olongezelelweyo kunye nokuhlolwa okucacileyo, okubizwa ngokuba:

- Ukuchitheka kwe oyile kunye nomfuziselo wendlela embiweyo yokubhola;
- I-ikholoji yaselwandle;
- Ezokuloba; kunye ne
- Siseko selifa sezaselwandle.

Ukuchitheka kwe oyile kunye nomfuziselo wendlela embiweyo yokubhola zisebenzise idatha ye-metocyan efumanekayo ukufuzisela ubungakanani kunye nokudibana kweembonakalo zokukhutshwa ezahlukeneyo (kuquka indlela embiweyo yokubhola kunye nokuchitheka kwe-hydrocarbon).

Amanye amaphononongo eengcali abandakanye ukuqokelelwa kwedatha enxulumeneyo (kuquka iziphumo zophononongo lwemifuziselo) ukuze kuqashelwe kwaye kuhlolwe iimpembelelo zendalo ezinokwenzeka ngenxa yeprojekthi ecetywayo.

Ezi mpembelelo emva koko zahlolwa ngokunxulumene kwizikali zokulinganisa ezichazwe kwangaphambili. Iingcali zicebise kananjalo ngamamyathelo okunciphisa okanye okwandisa okufanelekileyo ukuze kuncitshiswe iimpembelelo ezinokubakhona okanye kongezwe iinzuzo ezinokubakhona zinokuphucula izibonelelo ezinokuthi, ngokwahlukeneyo.

Iziphumo zokuchitheka kwe oyile kunye neemvavanyo zeengcali zomfuziselo wendlela embiweyo yokubhola ziye zahlolwa kwaye zacetyiswa nguMhloli onguMlingane Ozimeleyo. Iinkcazo ezivela kumhloli ongumlingane ziyafumaneka *kwisiHlomelo esingu-D6* seNgxelo esayilwayo ye-EIA. Isishwankathelo Esingafuni ulwazi loBugcisa sengxelo yoMfuziselo wokuChitheka kwe-Oyile silungiselelwe kananjalo yi-ERM ukuququzelela ukuqonda kochaphazelekayo kwengxelo yokuchitheka kwe-cyile. Isishwankathelo singafumaneka *kwisiHlomelo esingu-D7* seNgxelo esayilwayo ye-EIA.

I-ERM ifumene ukulibaziseka okungalindelekanga ekugqityweni kweemvavanyo zengcali zokuHlolwa kokuBhola phakathi kwiBhloko engu-ER236, okukheokelele ekuphelelweni kweSicelo se-EIA ngomhla we-3 ka-Agasti 2018. Ngokuhambelana neCandelo 21(2)(a) kunye no (b) wemiMmiselo ye-NEMA EIA, i-Eni icebise ngenkqubo entsha ye-EIA ngokungeniswa kwefomu yesicelo ehlonyelweyo kunye nokukhutshwa kweNgxelo ye-EIA ukwenzela ukuphawula.

Ukuhlanganiswa nokuHlola kweNgxelo Esayilwayo ye-EIA

INgxelo Esayilwayo ye-EIA iza kukhutshwa ukususela ngomhla wama-26 kaSeptemba ukuya kutsho kumhla wama-25 ka-Oktobha 2018 kangangexesha lokuphawula leentsuku ezingama-30. Incwadi yesaziso ithunyelwe kuzo zonke ii-I&APs ezibhalisiweyo kwisiseko sedatha sachaphazelekayo ukuzibazisa ukuba inkqubo entsha ye-EIA iqalile kwaye iNgxelo esayilwayo ye-EIA ifumaneka ukuze uphawule. INgxelo iyafumaneka kwi intanethi kwiphepha lewebhu yeprojekthi (www.erm.com/eni-exploration-eia) nakwezindawo zilandelayo:

- I-Durban Central Lending Public Library
- I-Port Shepstone Library
- I-Richards Bay Library
- I-East London Central Library
- I-Nelson Mandela Bay Municipality – Linton Grange Library

linkcazo ezifunyenwe kwiNngxelo esayilwayo ye-EIA iza kubandakanywa kwingxelo iza kuhlaziywa kwaye ifakwe kwi-PASA ukuze iqwalaselwe. Incwadi yesaziso izakuthunyelwa kuzo zonke ii-I&APs ezibhalisiweyo kwisiseko sedatha seprojekthi kwaye ingxelo izakwenziwa ukuba ifumaneke kwi intanethi kwiphepha lewebhu yeprojekthi (www.erm.com/eni-exploration-eia) nakwezindawo zoluntu zikhankanywe ngasentla.

linkcukacha zoqhagamshelwano zoMfaki-sicelo kunye ne-EAP ezimeleyo zinikezelwe *kuLuhlu lwesi-2* olungezantsi:

Iinkcukacha zoqhagamshelwano zoMfaki-sicelo / Umcebi weprojekthi	Iinkcukacha zoqhagamshelwano ze-EAP
Eni South Africa BV 1st Floor, Icon Building c/o Cube WS Cnr Lower Long St. & Hans Strijdom Rd. Foreshore, 8001, Cape Town, South Africa Qhagamshelana no-: Nicole Lomborg Umnxeba: +27 21 412 1582	ERM Postnet Suite 90 Private Bag X12 Tokai 7966 Vicky Stevens 1st Floor Great Westerford 240 Main Road Rondebosch 7700 Cape Town South Africa Umnxeba +27 21 681 5400 Ifeksi +27 21 686 0736 Imeyile eni.exploration.eia@erm.com

UKUHLOLWA KWEZEN DALO KUNYE NEMPENBELELO YOQOQOSHO LOLUNTU KWE MISEBENZI ECWANGCISIWEYO

Injongo ephambili yenkqubo ye-EIA ibikuqaphela nokuhlola iimpembelelo ezibalulekileyo ezinokubakhona ezinxulumene nemisebenzi yokubhola ecetywayo, kunye nokuyila amanyathelo okunciphisa afanelekileyo, ulawulo kunye nezicwangciso zokulawula iimpembelelo eziqatshelweyo ukuze iqinisekise ukukhuselwa kwendalo yemvelo ekude nonxweme kunye nokukhuselwa kwabantu kunye neendawo zasekuhlaleni.

Ukuhlola iimpembelelo ezinokubakhona zokwenziwa kweprojekthi, indlela equka oku kulandelayo isetyenziswe:

- **Ukuqatshelwa kunye nenkcazelo yempembelelo:** ijolise ekufumaniseni oko kunokwenzeka ngenxa yentsebenziswano yomsebenzi wokubhola kunye nendalo ebambekayo, eyekhemikhali, eyebhayoloji kunye neyoqoqosho loluntu.
- **Ukuhlolwa kwempembelelo:** iimpembelelo ezinokubakhona zihloliwe ukuze kufunyaniswe ukubaluleka kwazo ngokudibanisa ubukhulu bempembelelo enokubakhona kunye nobuthathaka bezimbiwa/izamkeli ezinokuchaphazeleka.
- **Inkcazo yokunciphisa:** ngokunxulumene nokubaluleka kwempembelelo, ulawulo olufanelekileyo kunye namanyathelo okulawulwa kwamanyathelo ziye zacetyiswa. Umgaqo-siseko wokunciphisa ukubalekela okanye ukunciphisa nayiphi na impembelelo embi ekuqaleni, kunokuba uzame ukulungisa isiphumo esibi emva kwexesha.

- **UkuHlolwa kweMpembelelo Ezishiyekileyo:** xa amanyathelo okunciphisa ephakanyiswe, inyathelo lokugqibela kwiNkqubo yokuHlola iMpembelelo ibikukwabela ukubaluleka kwmpembelelo eshiyekileyo, esaleleyo emva kokunciphisa.
- **Ukuphunyezwa kweNkqubo yoLawulo lwezeNdalo (EMPr):** i-EMPr (*iSahluko se-9* seNgxelo ye-EIA esayilwayo) ijolise ekuqinisekiseni ukuba onke amanyathelo okunciphisa kunye nezibophelelo eziqukwe kwiNgxelo esayilwayo ye-EIA iza kuphunyezwa kuwo wonke umqokozo wobomi womsebenzi wokuhlola, ngendlela esebenzayo.

Ziimpembelelo kuphela ezithathelwa ingqalelo yokuba zibalulekile ezithi zihlolwe ngakumbi kwiNgxelo ye-EIA. Iimpembelelo ezithathelwa ingqalelo yokuba azibalulekanga zixoxwa ngokufutshane kwiziganeko ezicetyiweyo (*Isahluko sesi-7*) kunye nokujongisiswa kokuhlola okucacileyo.

Uluhlu 3 *Impembelelo ezinokubakhona ukusuka kwiMisebenzi eCwangcisiweyo*

Ino mbo lo	Umba	Impembelelo	Umlinganiselo Obalulekileyo Waphambi Kokunciphisa	Amanyathelo okuNciphisa aphambili	Umlinganiselo Obalulekileyo waseMva Kokunciphisa
1	Iimpembelelo eziphambili Eziqatshelwe ukusuka kwiMisebenzi eCwangcisiweyo				
1.1	Ukutshintsha kwemozulu	Ukutsha kwezibaso ze-fossil	Ukungabinamsebenzi	- Ukuthotyelwa kwemimiselo ye-MARPOL 73/78 ye-Sihlomelo VI malunga nokuncitshiswa kokukhutshwa kwe--NOx, i-SOx kunye ukusuka kwii-injini zeenqanawa. - Zonke iimotho zedizili kunye neejenereyitha ziza kuhlolwa rhoqo kwaye zilungiswe ngokwaneleyo ukunciphisa idizili enomsi nengatshiswanga ekhutshwa emoyeni.	Ukungabinamsebenzi
1.2	Amanzi olwandle kunye nokuncitshiswa komgangatho wentlenga / ungcoliseko kunye neempembelelo kwizilo zaselwandle	Ukuphuma kwamanzi amdaka ukusuka kwinqanawa yokubhola, kwiinqanawa zobonelelo kunye nenkxaso	Ukungabinamsebenzi	Ukuthotyelwa kwe-MARPOL 73/78 yemigangatho ye-Sihlomelo I, iSihlomelo IV, iSihlomelo V yazo zonke iinqanawa zeprojekthi.	Ukungabinamsebenzi
		Ukuphazamiseka okubambekayo kwintsele yolwandle, iintlenga kunye nezilwanyana ze-benthic ukusuka kucando lwaphambi kokubholwa kweMoto Oyiqhuba Ukude (ROV)	Ukungabinamsebenzi	Ukuphunyezwa kweenkqubo ze-ROV ezichaza ukuba i-ROV ayifumaneki okanye ayihlali phezu kwentsele yolwandle njengexalenye yemisebenzi eqhelekileyo	Ukungabinamsebenzi
		Ukuphazamiseka okubambekayo kwintsele yolwandle, iintlenga kunye nezilwanyana ze-benthic ukusuka kwimisebenzi yokubhola	Ukungabinamsebenzi	- Qinisekisa ukuba indawo yokubhola ifumaneka ngaphezulu kwe-500 m ukusuka nakweziphi na iindawo zokuhlala ezisemngciphekweni. - Sebenzisa isixhobo sokulawula esinokusebenza okuphezulu okuqinileyo ukunciphisa umthamo wamanzi kwindlela embiweyo, ukwandisa ukusebenzisa kwakhona kunye nokurisayikilwa kodaka lokubhola, ukunciphisa isidingo sokutshintsha kwamanzi kunye nokunciphisa umthamo wodaka lwentsalela esetyenzisiweyo.	Ukungabinamsebenzi
		Ukuphazamiseka okubambekayo kwintsele yolwandle, iintlenga kunye nezilwanyana ze-benthic ukusuka ekulahlweni kwesamente egqithisileyo kwintsele yolwandle	Ukungabinamsebenzi	I-Eni uza kubeka iliso kubuyiselo lwesamente kwaye iza kuphelisa ukupompa xa ubuyiselo luqatshelwe kumgangatho wolwandle	Ukungabinamsebenzi

Ino mbo lo	Umba	Impembelelo	Umlinganiselo Obalulekileyo Waphambi Kokunciphisa	Amanyathelo okuNciphisa aphambili	Umlinganiselo Obalulekileyo waseMva Kokunciphisa
		Impembelelo yokulahlwa kodaka kunye nendlela embiweyo kwintsele yolwandle kwii-benthos zamanzi anzulu	Ukungabinam-sebenzi	- Sebenzisa isixhobo sokulawula esinokusebenza okuphezulu okuqinileyo ukunciphisa umthamo wamanzi kwindlela embiweyo, ukwandisa ukusebenzisa kwakhona kunye nokurisayikilwa kodaka lokubhola, ukunciphisa isidingo sokutshintsha kwamanzi kunye nokunciphisa umthamo wodaka lwentsalela esetyenzisiweyo; - Yandisa ukusetyenziswa kwakhona kunye nokurisayikilwa kwe-WBM kunye ne-NADF yamacandelo ahlukeneyo okubhola kunye nokubhola eminye imithombo; - Nciphisa ukukhutshwa kwe-WBM esetyenzisiweyo elwandle; kuphephe ukukhutshwa kodaka lwe-NADF.	Ukungabinam-sebenzi
		Impembelelo yokulahlwa kodaka kunye nendlela embiweyo kwintsele yolwandle kwiikorale	Iphakathi	Qinisekisa ukuba indawo yokubhola ifumaneka ngaphezulu kwe-500 m ukusuka nakwezphi na iindawo zokuhlala ezisemngciphekweni	Incinane
		Iimpembelelo zebhayokhemikhali ye-NADF ezinxulumene nendlela embiweyo yokubhola kunye namadaka kwizilwanyana zaselwandle ezikhoyo kwikholamu yamanzi	Incinane	- Iinkcukacha ze-Eni zokukhutshwa kwe-NADF ezigcinwe kwindlela embiweyo yokubhola ziquka: - o Ukukhutshwa kwendlela embiweyo ngendlela ye-caisson (igumbi elingangeni manzi lokusebenza phantsi kwananzi) kubunzulu obuyi >15 m. - o Ukukhutshwa kwendlela embiweyo kuphela kubunzulu obuyi >30 m. - o Ukudibana kwaManzi okuBhola esiGaba se-Oganikhi: ubukhulu amanzi okuohola esigaba esingesiso ese-aqueous (esamanzi) (NAF) 5% (C16-C18 ii-olefins zangaphakathi) okanye i-9.4% (C12-C14 i-ester okanye ii-ester ze-C8) kwindlela embiweyo emanzi. - o Hg: max 1 mg/kg ubunzima obomileyo kwi-barite yestokhwe. - o Cd: max 3 mg/kg ubunzima obomileyo kwi-barite yestokhwe. - Inqanawa-ukuya-elunxwemeni ngenye indlela.	Ukungabinam-sebenzi

Ino mbo lo	Umba	Impembelelo	Umlinganiselo Obalulekileyo Waphambi Kokunciphisa	Amanyathelo okuNciphisa aphambili	Umlinganiselo Obalulekileyo waseMva Kokunciphisa
		Iimpembelelo zebhayokhemikhali ye-WBM ezinxulumene nendlela embiweyo yokubhola kunye namadaka kwizilwanyana zaselwandle ezikhoyo kwikholamu yamanzi	Ukungabinam-sebenzi	• Iinkcukacha ze-Eni zokukhutshwa kwe-WBM ezigcinwe kwindlela embiweyo yokubhola ziquka: - o Ukukhutshwa kwindlela embiweyo ngendlela ye-caisson (igumbi elingangeni manzi lokusebenza phantsi kwananzi) kubunzulu obuyi >15 m. - o Ukukhutshwa kwindlela embiweyo kuphela kubunzulu obuyi >30 m. - o Hg: max 1 mg/kg ubunzima obomileyo kwi-barite yestokhwe. - o Cd: max 3 mg/kg ubunzima obomileyo kwi-barite yestokhwe. - o Ukufinyela kobuninzi bomchiza weklorin kufuneka bube ngaphantsi kokuphindaphindeka kane kunomdibaniso wezirhanqo zamanzi amkelayo afreshi okanye amuncu. - o Inqanawa-ukuya-elunxwemeni ngenye indlela.	Ukungabinam-sebenzi
		Ukuphazamiseka kwezilwanyana zaselwandle ngokugquma izandi ezichaphazelekayo zebhayoloji ezenziwa yingxolo yangaphantsi kwamanzi enxulumene nemisebenzi yokubhola	Incinane	Iinqanawa kufuneka kananjalo yenze ukulungiswa ukunciphisa ingxolo, okuquka ukucocwa kwesiqhubi kunye nesiqu senqanawa sangaphantsi kwamanzi.	Incinane
		Ukuziphatha kokuphepha izilwanyana zaselwandle ngenxa yokuphazamiseka kwengxolo engaphantsi kwamanzi enxulumene nemisebenzi yokubhola	Ukungabinam-sebenzi	Iinqanawa kufuneka kananjalo yenze ukulungiswa ukunciphisa ingxolo, okuquka ukucocwa kwesiqhubi kunye nesiqu senqanawa sangaphantsi kwamanzi.	Ukungabinam-sebenzi
		Iimpembelelo zengxolo yehelikopta ngokubhola kwizilwanyana zaselwandle	Iphakathi	Kuphephe ukubhabha konxweme komphakamo ophantsi ngokugqithisileyo (<914 m naphakathi kwe-2 km yonxweme)	Incinane
		Iimpembelelo yokukhanyisa okusuka kwiinqanawa zeprojekthi kwizilwanyana zaselwandle	Ukungabinam-sebenzi	Ukukhanyisa kwiyunithi yokubhola kunye neenqanawa zenkxaso kufuneka kuncitshiswe kumgangatho ohambelanayo kunye nemisebenzi ekhuselekileyo nokuba kunini na naphi na apho kunokwenzeka khona.	Ukungabinam-sebenzi
1.4	Ukuphazamiseka kokuloba (okorhwebo kunye nokuphila)	Iimpembelelo ezinxulumene nokufikelela okuthintelweyo kwiindawo zokuloba kunye nomonakalo wezixhobo ngenxa yobukho bentloko yomthombo kwintsele yamanzi	Incinane	Abachaphazelekayo ukuba baziswe ngendawo, ubude bexesha kunye nexesha lemisebenzi yokubhola. Akukho ukuncitshiswa kokonakala kwesixhobo okufunekayo njengoko kungathandeki ngenxa yobunzulu bamanzi	Incinane

Ino mbo lo	Umba	Impembelelo	Umlinganiselo Obalulekileyo Waphambi Kokunciphisa	Amanyathelo okuNciphisa aphambili	Umlinganiselo Obalulekileyo waseMva Kokunciphisa
1.5	Ukushiywa kwe(kwee)ntloko zomthombo kumgangatho wolwandle	Iimpembelelo zobukho bentloko yomthombo ngexesha lokushiywa kweminye imisebenzi yaselwandle	Ukungabinam-sebenzi	Ngaphambi kokuchithachithwa kwenqanawa ukusuka kwindawo leyo, indawo yentloko yomthombo eshiyiweyo kufuneka icandwebhalwe phantsi kwitshathi ngokuchanekileyo kunye ne-Ofisi ye-HydroSAN.	Ukungabinam-sebenzi
1.6	Indlela engenye ekungahanjwa kuyo	Impembelelo yendlela engenye ekungahanjwa kuyo	Iphakathi	Akukho ukuncitshiswa okufunekayo	Iphakathi
2	Iimpembelelo ezongezelelweyo Ezichaphazelekayo Ezizatshelweyo ngokusebenzisa Ubandakanyeko lwabaChaphazelekayo ngexesha leNyathelo lokuqala kwinkqubo yophuhliso lwe-projekthi				
2.1	Ilifa laselwandle	Ukubhola kokuhlola	Ukungabinam-sebenzi	Nayiphi na idatha enika ukuqonda eqokelelwe ukuba ikhuphe inyaniso ngeemeko zentsele yolwandle kufuneka ihlolwe i-akhiyoloji ukufumanisa ukuba kukho nakuphi na ukuntlitheka kweenqanawa kwintsele yolwandle	Ukungabinam-sebenzi
2.2	Inqesho yengingqi	Ukuqeshwa kwabasebenzi kunye nokwabiwa kwemisebenzi Uqeqesho / ukuxhotyiswa kwabantu basekuhlaleni	Ukungabinam-sebenzi	Kwesi isigaba sokuqala, amathuba ophuhliso eprojekthi aqingqekile. I-Eni izakuqalisa ngomgaqo-nkqubo wokuqesha obeka phambili ukuqeshwa kwabemi baseMzantsi Afrika nabemi basekuhlaleni kwisiseko seelojistiki zangaselunxwemeni kunabantu bamanye amazwe, apho kunokwenzeka khona. Lo mbono uthethelelelwa ukuba uzakuguqula kakhulu ngokubhekiselele kwimpumelelo yomthombo ohlolwayo. Isakhono senyaniso siyaqondwa kwisigaba sophuhliso lommandla wangaphantsi kolwandle womqokozo wobomi.	Ukungabinam-sebenzi

**UKUHLOLWA KWEZEN DALO KUNYE NEMPEMBELELO YOQOQOSHO LOLUNTU
KWE MISEBENZI ENGACWANGCISWANGA**

Ezi ziganeko zengozi zilandelayo zithathwe njengento ebalulekileyo kwisigaba se-EIA kwaye ziye zahlolwa ngokusebenzisa uPhononongo loMfuziselo wokuChitheka kwe-Oyile (*iSihlomo esingu-D4 seNgxelo esayilwayo ye-EIA*).

- Ukuchitheka kwe oyile ngengozi ngenxa yokugqabhuka;
- Ukuchitheka kwe oyile ngengozi ngenxa yokungqubana kwenqanawa; kunye
- Nokuchitheka kwe oyile ngenxa kokuqhawuka kwamanqwanqwa okudibanisa okwenzeke ngexesha lokubhola.

Uqikelelo lokugqabhuka luphantsi kakhulu oluchazwe *kwiSahluko se-8* (Iziganeko ezingacwangciswa).

Ukujoliswa kwishishini, ukuzibophelela kunye nomzamo, ngokukodwa kwiinkampani ezinkulu ze oyile ezifana ne-Eni, kukwenza imisebenzi enemigangatho ephezulu yokhuseleko, ukuze zenze imisebenzi yokubhola ngaphandle komngcipheko kunye nokonzakalisa abantu, indalo kunye nezixhobo zokusebenza. Ukuze kuncitshiswe umngcipheko wentsalela yeziganeko, imithetho engqongqo ichazwe yimigangatho yehlabathi (i-API / i-ISO) kwaye ukusebenza ngokufanelekileyo kufuneka kulandelwe yinkampani, ziikontraki zokubhola kunye nawo onke amaqela abandakanyekayo kwimisebenzi yokubhola, kuquka imisebenzi yaselwandle kunye neye lojistiki.

Ukuthintela ukuchitheka kwe oyile okungafunekiyo, i-Eni iye yachaza uninzi lweempendulo zesigunyaziso, ulawulo kunye namanyathelo okulawula, kunye nezixhobo eziza kusetyenziswa ngexesha lokubhola. Ezi ziquka ukucwangcisa okunenqubela-phambili kwezixhobo okunokusetyenziswa kunye nokuqeqeshwa kwabasebenzi ukunciphisa impembelelo egqithisileyo kwisiganeko sokuchithakala. Ezi zixhobo ziquka ukusetyenziswa kwe-BOP yangaphantsi kolwandle (Isithinteli sokugqabhuka), ukuba sivale ngokukhawuleza umthombo kwimeko yongxamiseko. Ukongezelela, ukufumaneka kwenkqubo yokucika kunganikezela ngesixhobo selalela esinosetyenziswa xa i-BOP inokungaphumeleli. Inkqubo yokucika entsha (enenqubela-phambili) iye yaveliswa emva kwesiganeko saseMacondo sokuvala umthombo kunye nokuvala nakuphi na okunye ukuchitheka. Inkqubo yokucika ngoku ngumkhethe osebenzayo kwimeko yongxamiseko.

Zonke iinkqubo zokuphendula zenza inxalenye yeSicwangciso seSehlo esinokwenzeka Sokuchitheka kwe Oyile (i-OSCP) ekufuneka siveliswe ngaphambi kokuqala kwemisebenzi yokubhola ecetyiweyo. I-OSCP iza kuhlolwa kwaye ivunywe liGunya loKhuseleko lezaseLwandle loMzantsi Afrika (SAMSA) ngaphambi kokuqalwa kokubhola. Ngexesha lokuvunywa, iSAMSA iza kukhupha isatifiketi soKhuseleko loNgcoliseko.

Uluhlu lwesi-4 Isishwankathelo seMingcipheko mpembelelo enokubakhona okanye iMisebenzi engacwangciswa kunye neMilinganiselo yayo Ebalulekileyo yeNtsalela

Inombo lo	Umba	Impembelelo	Umlinganiselo Obalulekileyo waseMva kokuNciphisa	Amanyathelo okuNciphisa/ oLawulo aphambili
1	Imisebenzi engacwangciswa			
1.1	Ukubaluleka komngcipheko wokuchitheka kwe oyile elwandle nakwiindawo zokuhlala zaselwandle nakwizilwanyana	Ukuchitheka kwe-Hydrocarbon okusuka kuntlitheko lweenqanawa (ukt. ukulahlekelwa yidizili) kwiindawo zokuhlala zaselwandle naselunxwemeni nakwizilwanyana (izilwanyana ezingenamqolo, intlanzi ye-pelagic kunye nemibungu, nezilwanyana ezanyisayo zaselwandle kunye nama-fudo)	Incinane (ALARP)	- Ngaphambi kokuqala nawuphi na umsebenzi wokubhola, i-Eni iziqhelanise namanyathelo okulawula amaninzi, aqala kwisigaba sokuyila umthombo kunye nobunjinieli. - Ngexesha lomsebenzi wokubhola, inqanawa yokubhola inxesha lokwenyani lokubeka iliso beempawu ezilinganisekayo ukuze inciphise umngcipheko wokungena kwe-hydrocarbon engalindelekanga (ukukhaba) ngaphakathi kumthombo nokwandisa ukhuseleko ngexesha lokwakhiwa komthombo kumacandelo okubhola ahlukeneyo. - Ukuze kuncitshiswe umngcipheko weziganeke ezimbi kunye nezingafunekiyo (ezifana nokugqabhuka), ukuyilwa komthombo kunye neenkqubo zomsebenzi, isixhobo kunye nezixhobo zokusebenza, ziza kuqinisekisa ubukho besithinteli sesibini kwimeko yokusilela kwesithinteli sokuqala. - IsiCwangciso seSehlo esinokwenzeka sokuLawula Umthombo (Well Control Contingency Plan [WCCP]) sizakubakhona kumthombo ngamnye
1.2		Ukuchitheka kwe-Hydrocarbon okusuka kungqubano lweenqanawa kunye neendawo zokuhlala zaselwandle naselunxwemeni nakwizilwanyana (iintaka zaselwandle)	Iphakathi (ALARP)	
1.3		Ukuchitheka kwe oyile ngenxa yokugqabhuka komgangatho kungumngcipheko kwizilwanyana ezingenamqolo, intlanzi, zilwanyana ezanyisayo zaselwandle kunye nama-fudo (kuquka izilwanyana eziphakathi kwii-MPAs)	Incinane (ALARP)	
1.4		Ukuchitheka kwe oyile ngenxa yokugqabhuka komgangatho kungumngcipheko kwiindawo zokuhlala zaselwandle naselunxwemeni nakwizilwanyana (iintaka zaselwandle)	Iphakathi (ALARP)	
1.5		Ukuchitheka kwe oyile ngenxa yokugqabhuka - komgangatho ongaphantsi kungumngcipheko kwizilwanyana ezingenamqolo, intlanzi, zilwanyana ezanyisayo zaselwandle kunye nama-fudo (kuquka izilwanyana eziphakathi kwii-MPAs)	Incinane (ALARP)	
1.6		Ukuchitheka kwe oyile ngenxa yokugqabhuka - komgangatho ongaphantsi kungumngcipheko kwiintaka zaselwandle	Incinane (ALARP)	

Inombo lo	Umba	Impembelelo	Umlinganiselo Obalulekileyo waseMva kokuNciphisa	Amanyathelo okuNciphisa/oLawulo aphambili
1.7		Ukulahleka kolwelo lokubhola ngenxa yokuqhawuka kwamanqwanqwa okudibanisa kwiindawo zokuhlala zaselwandle naselunxwemeni nakwizilwanyana (izilwanyana ezingenamqolo, intlanzi ye-pelagic kunye nemibungu, nezilwanyana ezanyisayo zaselwandle kunye namafudo)	Incinane (ALARP)	
1.8		Ukulahleka kolwelo lokubhola ngenxa yokuqhawuka kwamanqwanqwa okudibanisa ongxamiseko kwiintaka zaselwandle	Iphakathi (ALARP)	
1.9		Ukulahleka kolwelo lokubhola ngenxa yokuqhawuka kwamanqwanqwa okudibanisa ongxamiseko kwizilwanyana ezingenamqolo, intlanzi, zilwanyana ezanyisayo zaselwandle kunye namafudo (kuquka izilwanyana eziphakathi kwii-MPAs)	Incinane (ALARP)	
1.10	Ukubaluleka komngcipheko wokuchitheka kwe oyile elwandle nasekuphilei okubhekiselele elunxwemeni	Ukuchitheka kwe oyile ngenxa yokugqabhuka okanye ukuchitheka kwedizili ngenxa yokhenketho	Iphakathi (ALARP)	Ukuphuhlisa Isicwangciso sokuLawula ukuLoba (Fisheries Management Plan [FMP]) esizakuphunyezwa kwisiganeko sokuchitheka kwe oyile ngengozi.
1.11		Ukuchitheka kwe oyile okanye ukuchitheka kwedizili ngokomlinganiselo omncinane kunye nokuloba kokuphila	Iphakathi (ALARP)	
1.12		Ukuchitheka kwe oyile okanye ukuchitheka kwedizili ngenxa yokuloba kwezolonwabo	Incinane (ALARP)	
1.13		Ukuchitheka kwe oyile okanye ukuchitheka kwedizili ngenxa yokuloba kwezorhwebo	Incinane (ALARP)	
1.14	Inqanawa yengozi ngenxa yokuntlitheka	Ukuntlitheka kwenqanawa kwimpilo kunye nokukhuseleko lwabasebenzi	Incinane (ALARP)	Ukuhambisa Isaziso kubaSebenzi baselwandle

Inombo lo	Umba	Impembelelo	Umlinganiselo Obalulekileyo waseMva kokuNciphisa	Amanyathelo okuNciphisa/oLawulo aphambili
1.15	kwenqanawa kwimpilo kunye nokukhuseleko loluntu kunye nabasebenzi	Ukuntlitheka kwenqanawa kwimpilo kunye nokukhuseleko loluntu	Iphakathi (ALARP)	ngaphambi kokuqala kwemisebenzi yokubhola ukubazisa ngemisebenzi yokubhola, kuquka ixesha kunye nendawo yayo; • Iinqanawa zeprojekthi ukuba zazise ezinye iinqanawa kunye namaphenyane ngesaziso sikanomathotholo ngokunxulumene nendawo yomsebenzi wokubhola; • Ukusetyenziswa kwemiqondiso, izibane kunye neempawu kwi(kwii)nqanawa zeprojekthi; • Ukunyanzelisa ummandla wokhuseleko/wesithintelo wommandla we-500 m ongqonge iinqanawa zeprojekthi

Ngeenkqubo ye-EIA, amanyathelo athile olawulo kunye nokunciphisa aye acetyiswa njengenxalenye yeprojekthi ukulawula iimpembelelo eziqikelelweyo. La manyathelo athile olawulo kunye nokunciphisa aqatshelweyo aqinisekisa ukuba le projekthi ihambelana ngokupheleleyo nemMmiselo yoMzantsi Afrika kunye neenkqubo zokusebenza ngokufanelekileyo ze-Eni kunye neefreyimwekhi zenkqubo yehlabathi yemisebenzi yangaphantsi kolwandle. Ezi zenza inxalenye ye-EMPr the EMPr (*iSahluko se-9*) eziveliswe ngokubhekiselele kwiziphumo zeNgxelo esayilwayo ye-EIA.

Zonke izinciphiso ezidweliswe kwi-EMPr ziza kuphunyezwa ngexesha leprojekthi ukuqinisekisa ukuba imingcipheko enokubakhona kunye neempembelelo ezingalunganga ezoyanyaniswa neprojekthi ziyancitshiswa ukuya kwinqanaba, elicinelwa ukuba lelifanelekileyo kwiprojekthi ukuba iqhubeke.

Indlela engenye 'ekungahanjwa kuyo' yale projekthi iye yahlolwa kananjalo kwaye ingakhokelela kwilahleko yelithuba linokubakhona lokuvelisa amandla kunye neenzuzo ezoyanyaniswa noqoqosho kunye noluntu, nangona iindawo zokubhola zingahlala kwisimo zazo zendalo yangoku.

Inqubo ye-EIA ibandakanya kananjalo inkqubo yokubandakanyeka kwabachaphazelekayo ukujacisa iinkxalabo kunye nokuvunyelwa kwamagalelo ngabachaphazelekayo kunye namaQela Anomdla kunye naChaphazelekayo (ii-IAPs). Ukubandakanyeka kwabachaphazelekayo kuza kuveza ulwazi lweprojekthi, ngokukodwa malunga nemisebenzi yeprojekthi ye-Eni ekude nonxweme kunye nawaphi na amanyathelo ayimfuneko yokhuseleko kunye nolawulo anxulumene nemisebenzi yokubhola ecetywayo. Abasebenzi beprojekthi kananjalo baza kubakho ukuphendula iinkxalabo kunye nemibuzo ngqo evela kwii-IAPs kwindawo yeentlanganiso zokubandakanyeka kwabachaphazelekayo.

Isishwankathelo, ngokubhekiselele kwizinto ezifunyenweyo zokukuhlola kunye nokuthathela ingqalelo iinzuzo zale projekthi ezibonisa uqoqosho loMzantsi Afrika, i-ERM inoluvo lokuba imisebenzi yokuhlola ukubhola kwiBhloko engu-ER236 ukufumanisa ukuba ngaba i-hydrocarboni ikhona ngokwaneleyo ngaphantsi kwentsele yolwandle ukuxhasa ukuphuhliswa okungokunye, kufuneka kugunyaziswe. Oku, nangona kunjalo, sisihlo esinokwenzeka ekuphunyezweni kwamanyathelo okunciphisa nasekubekweni kweliso kwimpembelelo ezinokubakhona zendalo kunye noqoqosho loluntu njengoko kuchazwe kwiNgxelo esayilwayo ye-EIA kunye neNgxelo ye-EIA ethe yaphunyezwa yi-Eni.