

APPENDIX 5:
PUBLIC CONSULTATION PROCESS

APPENDIX 5.1:
STAKEHOLDER DATABASE

INTERESTED AND AFFECT PARTY (I&AP) DATABASE

The dataset is structured as follows:

1. Government
2. Authorities - Maritime
3. Business - Fishing (Namibia)
4. Business - Fishing (South Africa)
5. Business - Oil and Gas
6. Business - Other
7. Civil Society - Environmental, NGOs
8. Civil Society - General Public

No.	Organisation	Last name	Initial	First Name
1. GOVERNMENT				
NATIONAL GOVERNMENT				
1	Ministry of Environment, Forestry and Tourism	Nchindo	D	Damian
2	Ministry of Environment, Forestry and Tourism	Angula	S	Saima
3	Ministry of Fisheries and Marine Resources	Kreiner	A	Anja
4	Ministry of Fisheries and Marine Resources	Tjizoo	B	Beau
5	Ministry of Fisheries and Marine Resources	Bartholomae	C	Chris
6	Ministry of Fisheries and Marine Resources	Maurihungirire	M	Moses
7	Ministry of Fisheries and Marine Resources	Kainge	P	Paulus
8	Ministry of Fisheries and Marine Resources	Victor	M	Libuku
9	Ministry of Fisheries and Marine Resources	Shivute	L	La-toya
10	Ministry of Fisheries and Marine Resources	Grobler	K	Kolette
11	Ministry of Fisheries and Marine Resources	N	A	Anna-Marie
12	Ministry of Fisheries and Marine Resources	Hamukwaya	F	Ferdinand
13	Ministry of Fisheries and Marine Resources	Nghimatya	V	Victor
14	Ministry of Fisheries and Marine Resources	Shikongo	T	Taimi
15	Ministry of Mines and Energy	Sheehama	A	Andrea
16	Ministry of Mines and Energy	Simon	H	Hendrina
17	Ministry of Mines and Energy	Shino	M	Maggy
18	Ministry of Works and Transport	Günzel	T	Tobias
19	Ministry of Works and Transport	Paulo	AS	Angeline
20	Ministry of Works and Transport	Auene	P	Pinehas
21	Ministry of Works and Transport	Silischebo	P	Patrick
22	Ministry of Works and Transport	Goeiemann	P	Willem
23	NAMPORT	Uirab	B	Bisey
24	NAMPORT	Gelderbloem	E	Elzevir
25	NAMPORT	Shilongo	F	Festus
26	NAMPORT	Shivoro	J	Justina
27	NAMPORT	Kufuna	L	Lukas
28	NAMPORT	Kooper	M	Max
29	NAMPORT	Nawaseb	P	Patrick
30	NAMPORT	Ibwima	R	Richard
31	NAMPORT	Visagie	R	Raymond
32	NAMPORT	Gariseb	S	Stefanos

No.	Organisation	Last name	Initial	First Name
33	NAMPORT	Mutwa	W	Widux
34	National Petroleum Corporation of Namibia (NAMCOR)	Mulunga	I	Immanuel
35	National Petroleum Corporation of Namibia (NAMCOR)	Sibeya	V	Victoria
36	National Petroleum Corporation of Namibia (NAMCOR)	Misika	R	Rachel
37	National Petroleum Corporation of Namibia	Kandjoze	OM	Obeth Mbui
REGIONAL GOVERNMENT				
38	Erongo Regional Council	Engelbrecht	P	Paulina
39	Karas Regional Council	Scholtz	JA	Jan
LOCAL GOVERNMENT				
40	Luderitz Town Council	Abraham	J	Johannes
41	Luderitz Town Council	Mukupuli	M	Hilaria
42	Luderitz Town Council	Fredericks	B	Brigitte
43	Luderitz Town Council	Willem	G	Gumede
44	Luderitz Town Council	Ochs	RS	
45	Luderitz Town Council	Tjipura	IM	Ignatius
46	Luderitz Town Council	Kaangundue	C	
47	Luderitz Town Council	Da Fonseca	E	
48	Luderitz Town Council	Beukes	R	
49	Walvis Bay Town Council	Brummer	A	Andre
50	Walvis Bay Town Council	David	U	Uushona
51	Walvis Bay Town Council	Ephraim	N	Namabahu
52	Walvis Bay Town Council	Goseb	G	Gibson
53	Walvis Bay Town Council	Wilfried	I	Immanuel
54	Walvis Bay Town Council	Muronga	H	Haingura
55	Walvis Bay Town Council	Monica	T	Thomas
56	Walvis Bay Town Council	Martin	P	Penelope
2. AUTHORITIES - MARITIME				
NAMIBIA				
57	Namibian Maritime & Fisheries Institute	Nambala	T	Tobias
58	Maritime Affairs	Shapua	K	Kalomo
SOUTH AFRICA				
59	South African Navy Hydrographic Office	Coetzer	I	Irene
60	South African Navy Hydrographic Office	Nelson	M	Malcolm
61	South African Navy Hydrographic Office	van Niekerk	T	
3. BUSINESS - FISHING (NAM)				
62	Confederation of Namibian Fishing Association	Green	N	Noleen
63	Confederation of Namibian Fishing Associations / Namibian Hake Association	Walters	R	Ron
64	Confederation of Namibian Fishing Associations and Namibian Hake Association	Amakwa	M	Matti
65	Crab Association	The Manager		
66	Crab Association	Nishikawa	Y	Yoshinobu
67	Crab Association	Haenisch		
68	Crab Association / Taiyo Namibia (Pty) Ltd	Tikawa	S	Susumu
69	Crab Association / Taiyo Namibia (Pty) Ltd	Atsuko		
70	Large Pelagic (Tuna and Swordfish) and Hake Longlining Association / Possessions Fishing	Hambuda	M	Matthew

No.	Organisation	Last name	Initial	First Name
71	Large Pelagic and Hake Longlining Ass. of Namibia / Dave Russell Fisheries Consultancy	Russell	D	Dave
72	Large Pelagic and Hake Longlining Ass. of Namibia / Marco Fishing (Pty) Ltd	Laufer	K	Kurt
73	Large Pelagic Association	Kakoro	AW	Antonio
74	Large Pelagic Association / Ondjaba Fisheries cc	de Castro	R	Ricky
75	Midwater Trawling Association & Carapau Fishing (Pty) Ltd	Carlson	P	Peter
76	Midwater Trawling Association (Horse Mackerel)	Neumbo	S	Sharon
77	Midwater Trawling Association / Novanam Fishing Enterprises	Hough	G	Gerrie
78	Midwater Trawling Association of Namibia / Namsov Fishing Enterprises (Pty) Ltd	Mouton	J	Jerome
79	Namibia Hake Fishing Association	Martin	S	Sidney
80	Namibian Crab Association	Haenish	R	
81	Namibian Crab Association / Taiyo Namibia (Pty) Ltd	Mansinho	A	Antonio
82	Namibian Fisherman Association / Corvima Fishing	The Manager		
83	Namibian Hake & Tuna Longline Association	Louw	L	Francois
84	Namibian Hake Association	Walters	R	Ron
85	Namibian Hake Association	Pahl	P	
86	Namibian Hake Association	Kathindi	S	Silvanus
87	Namibian Hake Association / Ark Fishing Industries	Goagoseb	M	M
88	Namibian Large Pelagic Association	Ambunda	M	Matthew
89	Namibian Large Pelagic Association / Seaflower Group	Coppin	R	Ronnie
90	Namibian Line Fish Association	Coppin	R	Ronnie
91	Namibian Mariculture Association / Tetelestai Mariculture (Pty) Ltd	du Plessis	H	Henning
92	Namibian Midwater Trawling Association / Erongo Marine Enterprises (Pty) Ltd	Jacobs	C	Callie
93	Namibian Monk and Sole Association	Maree	L	Louisa
94	Namibian Monk and Sole Association / Tunacor Fisheries Ltd	Hitula	P	Peya
95	Namibian Pelagic Fishing Association	Van Dyk	E	
96	Namibian Pelagic Fishing Association	Viljoen	H	Hugo
97	Namibian Pelagic Fishing Association	Van Wyk	M	
98	Namibian Rock Lobster Fishing Association	Schoombe	D	
99	Namibian Rock Lobster Fishing Association	Wolters	R	Ron
100	Namibian Rock Lobster Fishing Association / Seaflower Group	Shanjengange	RD	Rene Dean
101	Namibian Small Pelagic Association	Pronk	W	Pronk
102	Pelagic Fishing Association / Etosha Fishing Corp (Pty) Ltd	Greeff	P	Pieter
103	The Deep Water Trawling Association / Lelandii Holdings / Nautilus Fishing / Novanam	Tordesillas	M	Miguel
104	Walvis Bay Pelagic Fishing Association	van Bergen	D	Denise
FISHING COMPANIES				
105	ABB Marine	Antonio	E	Epifanio
106	Agatha Bay Fishing Company (Pty) Ltd / Merlus Marine / Helgoland Fishing (Pty) Ltd / Oryx Fisheries	Correia	D	Diamantino
107	Amstai (Pty) Ltd	Mansinho	T	Tony
108	Ark Fishing Industries	Amadhila	M	Mateus
109	Atab Fisheries Consortium (Pty) Ltd	Mbili	I	

No.	Organisation	Last name	Initial	First Name
110	Atlantic Pacific Fishing (Pty) Ltd	Burger	A	Adolf
111	Beira Aquaculture (Pty) Ltd	Romero	M	Manuel
112	Benguella Sea Products (Pty) Ltd	Olivier	A	Andres
113	Bidvest Fisheries Namibia Holdings (Pty) Ltd / Namsov Fishing Enterprises (Pty) Ltd	Arnold	J	Jan
114	Cadilu Fishing & Overberg Fishing	Reyero	J-L	Jose-Luis
115	Cadilu Fishing (Pty) Ltd	Dreyer	C	Charl
116	Cadilu Fishing (Pty) Ltd	Swart	J	Jacky
117	Cato Fishing Company (Pty) Ltd		S	Sam
118	Cavema Fishing (Pty) Ltd	Shimooshili	R	Robert
119	De Castro Fishing	de Castro	T	Tony
120	Demersal Fishing	Pata	E	
121	Diaz Fishing (Pty) Ltd	Diaz	G	Gerardo
122	Ehanga Fishing	Ehanga	E	
123	Empire Fishing Co (Pty) Ltd	The Manager		
124	Esja Fishing	Stefansson	J	Johannes
125	Etale Fishing	Dreyer	C	Charl
126	Etosha Fishing Corp (Pty) Ltd	Conradie	P	Philip
127	Etosha Fishing Corp (Pty) Ltd	Esau	G	George
128	Etosha Fishing Corp (Pty) Ltd	Kapundja	L	Linekela
129	Etosha Fishing Corp (Pty) Ltd	I.	J	Jessica
130	Freddie Fish Processors (Pty) Ltd	Hart	W	Wayne
131	Freddie Fish Processors (Pty) Ltd	Greeff	Y	Yvette
132	Gendev Fishing Group	Paulsmeier	V	Volker
133	Goncalo Murta Aquaculture / Mariculture	Murta	G	Goncalo
134	Grisham Assets Corp. Ltd.	Hangula	J	Jeremy
135	Grupo Pereira	Gutierrez	I	Ignacio
136	Hagana Seafood	Theron	H	Herman
137	Hangana Abalone / Ludertiz Abalone Company	Erasmus	R	Rassie
138	Hatutunga Fishing	Hatutunga	K	Klaus
139	Hodago Fishing	Kaune	H	Harold
140	Hottentot Bay Investments CC	Labuschagne	JHN	Jan
141	Huab Fishing / Morcar Fishing / Omaru Fishing / Onbaye Fishing	The Manager		
142	Joe's Oyster Company (Pty) Ltd	Baumeister	J	Joe
143	Lalandi (Namfish)	Malherbe	JP	
144	Large Pelagics	Van Zyl	J	James
145	Large Pelagics	Katti	R	Reinhold
146	Large Pelagics	Tjizoo	N	Beau
147	Large Pelagics	Morgan	I	Ingrid
148	Large Pelagics	Steyn	R	Riaan
149	Lüderitz Mariculture / Tuna & JV	Burgess	J	Jason
150	Marco Fishing (Pty) Ltd	Louw	AJ	
151	Marco Fishing (Pty) Ltd	Burger	H	Hugo
152	Martin's Den Fisheries (Pty) Ltd	The Manager		
153	Merlus Seafood Processors (Pty) Ltd	Kjelgaard	T	Tomas
154	Namibian Fishing Industries (Pty) Ltd	The Manager		
155	Namibian Marine Resources	Nambahu	T	Tommy
156	Namsov Fishing Enterprises (Pty) Ltd	Hough	G	Gerrie

No.	Organisation	Last name	Initial	First Name
157	Namsov Fishing Enterprises (Pty) Ltd	Smidt	H	Herman
158	National Fishing Corporation / Seaflower Whitefish Group	Nghipunya	M	Mike
159	Nipponex CC	Ueda	Y	Yasuhiro
160	Northern Fishing Industries (Pty) Ltd	The Manager		
161	Novanam (PTY) Ltd / Skeleton Coast Trawling	Kaulinge	PS	Patricia Susan
162	Novanam Group	Magdelene	J	Juan
163	NovaNam Ltd	Magdalena	J	Juan
164	NovaNam Ltd	Canosa	JR	Jose Ramon
165	NovaNam Ltd	Mackenzie	M	
166	Novaship	De Villiers	F	Ferdinand
167	Oceana Group Ltd	Stefanus-Zincke	T	Titania
168	Omakete Investments	Shigwana	O	Omakete
169	Omaru Fishing	Kasper	H	Hermanus
170	Ompangona Fishing Company (Pty) Ltd	Sandro	O	
171	Omuualu Fishing Company	Kadhila	S	Sacky
172	Omuhuka Holdings	Kadhila	O	
173	Ondjaba Fisheries cc	de Castro	R	Ricky
174	Ondjaba Fisheries cc / South Rock Investments cc	Hlasek	M	Mariele
175	Oryx Fisheries (Pty) Ltd	de Castro	O	
176	Pacific Andes Group	Yeh	K	Kent
177	Pereira Fishing Co (Pty) Ltd	The Manager		
178	Pescanova Group	Tordesillas	A	Angel
179	Seaflower Whitefish Corp	Pretorius	J	
180	Seaflower Whitefish Corp	Damens	S	Sandra
181	Seaworks Fish Processors (Pty) Ltd	Germishuys	P	
182	Seaworks Fish Processors (Pty) Ltd	Le Roux	P	Pierre
183	Seaworks Fish Processors (Pty) Ltd	Pahl	P	Peter
184	South East Atlantic Fisheries Organisation	van Zyl	B	Ben
185	South Namibian Hake Fishing	Kessler	G	
186	Southern Namibia Hake Fishing Industries (Pty) Ltd	Mathias	B	Brigitte
187	Southern Namibia Hake Fishing Industries (Pty) Ltd	Schroeder	K	Klaus
188	Taiyo Namibia (Pty) Ltd	Miyagawa	N	Naohisa
189	Tunacor Fisheries Ltd	Marino	A	Antonio
190	United Fishing Enterprises (Pty) Ltd	Ahrens	R	Richard
4. BUSINESS - OIL AND GAS				
191	Irvin & Johnson	Mkhabela	N	Nozipho
5. BUSINESS - OIL AND GAS				
192	Windhoek PEL28 B.V. & Galp Energia S.A.	Fonseca	A	Antonio
193	Impact Oil & Gas	Kaura	K	Kaura
194	Impact Oil & Gas	Webber	H	Heidi
195	Impact Oil and Gas Namibia (Pty)	Birch	P	Phillip
196	Impact Africa Limited	Ilett	S	Steve
197	Shell Namibia Upstream B.V.	Zekveld	D	Dennis
198	Total	Pagnoux	M-L	Marie-Line
199	Total	Pion	E	Elizabeth
200	Pancontinental Namibia (Pty) Ltd	Kegge	G	Ger
201	Pancontinental Namibia (Pty) Ltd	Rushworth	B	Barry

No.	Organisation	Last name	Initial	First Name
202	Pancontinental Namibia (Pty) Ltd	Myers	E	Ernie
203	Tullow Oil	Owens	P	Peter
204	Cowan Petroleo e Gas	Santana	G	Guiherme
6. BUSINESS - OTHER				
205	Chamber of Commerce and Industry Lüderitz	Namukonda	I	Immanuel
206	Chamber of Commerce and Industry Walvis Bay	Doeseb	J	Johnny
207	Chamber of Commerce and Industry	Mwiya	C	Charity
208	Chamber of Mines of Namibia	Malango	M	Veston
7. CIVIL SOCIETY - ENV, NGOs				
209	African Penguin Conservation Project	Kemper	J	Jessica
210	Animal Demography Unit	Roux	JP	
211	Benguela Current Commission	Gxaba	T	Thandiwe
212	Benguela Current Commission	Hutu	Z	Zukile
213	Benguela Current Commission	van Zyl	B	Ben
214	Benguela Current Commission	Ndjambula	P	Paul
215	Benguela Current Commission	Kumbi	P	Paul
216	Benguela Current Commission	Thomas	M	Monica
217	Coastal Environmental Trust of Namibia	Susan	S	Roux
218	Earthlife Namibia	Kohrs	B	Bertchen
219	GIZ- MARISMA (Marine Spatial Management and Governance Project)	Selma	S	Shitilifa
220	GIZ- MARISMA (Marine Spatial Management and Governance Project)	Brabey	R	Rod
221	NACOMA	Kandjii	C	
222	NACOMA	Alexander	A	Alexander
223	Namibia Chamber of Environment	Brown	C	Chris
224	Namibia Chamber of Environment	Krohne	H	Henriette
225	Namibia Dolphin Project (Walvis Bay)	Gelletich	J	Jelly
226	Namibia Nature Foundation	Muukua	V	Veripura
227	Namibia Nature Foundation	Middleton	A	Angus
228	Namibian Dolphin Project & University of Pretoria	Elwen	S	Simon
229	Namibian Dolphin Project & University of Pretoria	Gridley	T	Tess
230	Namibian Environment & Wildlife Society	Botha	H-M	Hilda-Marie
231	Namibian Environment & Wildlife Society	Frauke	K	Kreitz
232	National Commission on Research and Technology	Van Der Westhuizen	M	Maxii
8. CIVIL SOCIETY - GENERAL PUBLIC				
233	Environmental Justice Organisations, Liabilities and Trade	Temper	L	Leah

APPENDIX 5.2:

I&AP NOTIFICATION LETTER / EMAIL

2 November 2020

Dear Sir/Madam,

TOTAL E AND P NAMIBIA B.V. - PROPOSED 3D SEISMIC SURVEY IN LICENCE BLOCKS 2912 AND 2913B, NAMIBIA: NOTIFICATION OF AVAILABILITY OF DRAFT EIA REPORT & ESMP FOR REVIEW AND COMMENT

This letter provides information on the availability for comment of the Draft Environmental Impact Assessment (EIA) Report and Environmental & Social Management Plan (ESMP) prepared for the above-mentioned project.

As noted previously, TEPNA holds Exploration Licences for Blocks 2912 and 2913B. To investigate subsea geological formations and meet the obligations of the Exploration Licence for Block 2912, TEPNA is planning to undertake a 3D seismic survey within this licence block, as well as a portion of Block 2913B.

The Final Scoping Report (FSR) was accepted by the Ministry of Environment, Forestry and Tourism (MEFT) on 6 August 2020. This enabled SLR Environmental Consulting (Namibia) (Pty) Ltd (SLR), who is conducting the EIA process, to complete the EIA assessment phase and finalise the Draft EIA Report and ESMP.

The Draft EIA Report and ESMP, which is based on the scope presented in the FSR, has now been made available for a 30-day public review and comment period from **3 November to 2 December 2020**. A copy of the Executive Summary of the draft report is attached for your reference. Copies of the full report are available on the SLR website (at <https://slrconsulting.com/public-documents/tepna>) and at the following locations:

Location	Name of facility	Physical address
Walvis Bay	Walvis Bay Library	Nangolo Mbumba Drive, Civic Centre
Lüderitz	Lüderitz Library	Ring Street

Any comments on the draft reports should be forwarded to SLR Environmental Consulting (Namibia) (Pty) Ltd at the address, telephone/fax numbers or e-mail address shown below. For comments to be included in the final report, they should be forward to SLR by **no later than 2 December 2020**.

SLR Environmental Consulting (Namibia) (Pty) Ltd
 Attention: Werner Petrick
 PO Box 86386, Windhoek
 Tel: +264 61 231 287 Cell: +264 81 739 4591 Email: wpetrick@slrconsulting.com

Due to COVID-19 related restrictions on public gatherings and associated health risks, no public meetings will be held at this stage of the EIA process. However, virtual (via Skype or TEAMS) or face-to-face meetings (in Walvis Bay



SLR Environmental Consulting (Namibia) (Proprietary) Limited

Registered Address: 61 Bismarck Street, Windhoek, Namibia
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www.slrconsulting.com

or Swakopmund) could be arrange during the comment period should you wish to discuss the project and EIA process.

Should you have any queries in this regard please do not hesitate to contact the undersigned.

Yours sincerely

A handwritten signature in black ink, appearing to read 'Werner Petrick', written over a horizontal line.

Werner Petrick

SLR CONSULTING (NAMIBIA) (PTY) LTD

Candice Sadan

From: Candice Sadan
Sent: Monday, 02 November 2020 12:00
To: Candice Sadan
Cc: Werner Petrick; Jeremy Blood
Subject: TOTAL E AND P NAMIBIA B.V. - PROPOSED 3D SEISMIC SURVEY IN LICENCE BLOCKS 2912 AND 2913B, NAMIBIA: NOTIFICATION OF AVAILABILITY OF DRAFT EIA REPORT & ESMP FOR REVIEW AND COMMENT
Attachments: ESIA_Na Seismic 2912_13B_Draft_EIA_Report_201029_Executive_Summary.pdf; ESIA_Na Seismic 2912_13B_I&AP_DEIR_letter_201102_Rev1.pdf

Bcc: info@namcor.com.na; mbui@namcor.com.na; pengelbrecht@swkmun.com.na; janscholtz2@gmail.com; abrahaj@telecom.na; hmukapuli@yahoo.com; namfilua@mweb.com.na; wggumede@gmail.com; ceo@lrc.com.na; itjipura@gmail.com; health-food@hc.com.na; dafonseca.edf@gmail.com; chieftech@lrc.com.na; abrummer@walvisbaycc.org.na; Duushona@walvisbaycc.org.na; enambahu@walvisbaycc.org.na; lcoetzee@walvisbaycc.org.na; lcoetzee@walvisbaycc.org.na; mhaingura@walvisbaycc.org.na; mthomas@walvisbaycc.org.na; pmartin@walvisbaycc.org.na; tobias@namfi.net; skalomo@mwtc.gov.na; hydrosan@iafrica.com; noleen.green@gmail.com; secretary@nha.org.na; ronw@namfish.com; empire@namibnet.com; tafcooverseas@gmail.com; taiyoct@mweb.co.za; acorn@acornserv.com; kani@maruhanichiro.co.jp; bwa41205@nifty.com; matthew.possessions@gmail.com; info.largepelagicNamibia@gmail.com; matthew.thynnusfishing@iway.na; davelin@iway.na; kurti@marcofishing.com.na; aweh2601@gmail.com; ricky@castrobros.com.na; pcarlson.na@gmail.com; Carlson@asp.com.na; sharon@tunga.com.na; gerrie@novanam.com; gerrie.h@tunacor.com.na; Jerome.Mouton@namsov.com.na; diazfi@mweb.com.na; reini@ebony.life; antonio@taiyo.com.na; syreetak@corvima.com.na; francois@marcofishing.com.na; md@marcofishing.com.na; secretary@nha.org.na; pp@seawork.com.na; bobboh@etalefishing.com; mgheimat@iway.na; arkfish@iafrica.com.na; matthew.possessions@gmail.com; ronniec@seaflower.com.na; ronnie@marshallreef.com; henning@namsov.com.na; Henning.du.Plessis@namsov.com.na; cjacobs@erongo.co.za; calie@erongo.co.za; louisa@freddiefishpro.com.na; phitula@tunacor.com.na; evandyk@etoshafish.com.na; hugo@gendev.com.na; mvanwyk@etoshafish.com.na; nmp@mweb.com.na; ronw@namfish.com; evat@seaflower.com.na; angela.kriel@ufefish.com; pgreeff@etoshafish.com.na; mat@pescanova.co.za; novanam@novanam.com; vanfish@mweb.com.na; antonio.epifanio@na.abb.com; diamantino@merlus.com.na; tony@namibnet.com; arkfish@iway.na; imbili@mweb.com.na; adolf.burger@apfishing.com; beira@iway.na; a.olivier@benguella.com; info@bidvest.com.na; communications@bidvest.com.na; reyero@catofishing.com; cdreyer@cadilu.com; jswart@cadilu.com; Sam.a@catofishing.com; shimooshilirobert68@gmail.com; swtern@gmail.com; epata@iway.na; diazfi@mweb.com.na; ehanga.holdings@gmail.com; empire@idz.namib.com; charl@etalefishing.com; petrus@etalefishing.com; info@etalefishing.com; pconradie@etoshafish.com.na; georgeesau@yahoo.com; linekelak@etoshafish.com.na; prohse@etoshafish.com.na; namcoast@iway.na; yvette@freddiefishpro.com; volker@gendev.com.na; mail@gmurta.com; jeremyhangula@me.com; ignacio@grupopereira.com; Herman.Theron@olfitra.com.na; rassie.erasmus@ol.na; seagulls@africaonline.com.na; klaus@hafico.com.na; harold.kaune@hodagofishing.com; labuschagne1605@gmail.com; jlabuschagne@fnbNamibia.com.na; beluga@tunacor.com.na; info@joc.com.na; jpm@namfish.com; namfish@iafrica.com.na; jw2s@afol.com.na; llm@iway.na; ludmar@iway.na; md@marcofishing.com.na; operations@marcofishing.com.na; rene-dean@iway.na; tomas@merlusseafood.com; namfish@iafrica.com.na; tommy@nmr.com.na; Gerrie.Hough@namsov.com.na; Herman.Smidt@namsov.com.na; miken@seaflower.com.na; yas@nipponex.co.za; sama@namfish.com; patriciaa@novanam.com; juanm@novanam.com; jmagdalena@novanam.com; jrcc@novanam.com; michaelm@novanam.com;

Bcc: agencyops@novaship.com.na; dolphin@novaship.com.na; titanias@oceana.co.za; oshigwana@iway.na; hkasper@mweb.co.za; sandro@mweb.com.na; sacky@omualu.com.na; omuhuka@africaonline.com.na; ondjaba@absamail.co.za; mariele-ondjaba@mweb.com.na; diamantino@merlus.com.na; kent.yeh@pacificandes.com; reception@blueseas.com.na; atord@pescanova.co.za; info@seaflower.com.na; info@seaflower.com.na; pg@seawork.com.na; plr@seawork.com.na; pp@seawork.com.na; bvanzyl@seafo.org; snh@iafrica.com.na; dfc2@afol.com.na; klausps@iway.na; taiyoct@mweb.co.za; antonio@tunacor.com.na; richard.ahrens@ufefish.com; ufefish@iafrica.com.na; antonio.fonseca@galp.com; k.kaura@impactoilandgas.com; h.webber@impactoilandgas.co.uk; tashi@lekoil.com; s.ilett@impactoilandgas.co.uk; dennis.zekveld@shell.com; marie-line.pagnoux@external.total.com; elizabeth.pion@total.com; ger.kegge@pancon.com.au; barry.rushworth@pancon.com.au; ernie.myers@pancon.com.na; peter.owens@tullowoil.com; gsantana@cowan.com.br; travisncci@gmail.com; pr@walvisbaycc.org.na; charity@ncci.org.na; malango@iway.na; jkemper01@gmail.com; jprouxnamibia@gmail.com; thandiwe@benguelacc.org; zukile@benguelacc.org; ben@benguelacc.org; paul@benguelacc.org; kumbi@benguelacc.org; monica@benguelacc.org; cetn@iafrica.com.na; bertchenk@iway.na; earthl@iway.na; selma.shitilifa@giz.de; rodney.braby@giz.de; ckandjii@nacoma.org.na; intern1@nacoma.org.na; ceo@n-c-e.org; admin@n-c-e.org; nam.dolphin.edu@gmail.com; veripura@nnf.org.na; agm@nnf.org.na; simon.elwen@gmail.com; nam.dolphin.project@gmail.com; nam.dolphin.project@gmail.com; information@news-namibia.org; frauke@new-media-consult.com; info@ncrst.na; leah.temper@gmail.com

Dear Sir / Madam

This email and attached letter provide information on the availability for comment of the Draft Environmental Impact Assessment (EIA) Report and Environmental & Social Management Plan (ESMP) prepared for the above-mentioned project.

The Draft EIA Report and ESMP, which is based on the scope presented in the FSR, has now been made available for a 30-day public review and comment period from 3 November to 2 December 2020. A copy of the Executive Summary of the draft report is attached for your reference. Copies of the full report are available on the SLR website (at <https://slrconsulting.com/public-documents/tepna>) and at the locations listed below. A copy of the Executive Summary of the draft report is also attached for your reference.

Location	Name of facility	Physical address
Walvis Bay	Walvis Bay Library	Nangolo Mbumba Drive, Civic Centre
Lüderitz	Lüderitz Library	Ring Street

Any comments on the draft reports should be forwarded to SLR Environmental Consulting (Namibia) (Pty) Ltd at the address, telephone/fax numbers or e-mail address shown below. For comments to be included in the final report, they should be forward to SLR by **no later than 2 December 2020**.

SLR Environmental Consulting (Namibia) (Pty) Ltd

Attention: Werner Petrick

PO Box 86386, Windhoek

Tel: +264 61 231 287 Cell: +264 81 739 4591 Email: wpetrick@slrconsulting.com

Kind regards

For and on behalf of Werner Petrick



Candice Sadan

Office Administrator

+27 21 461 1118

csadan@slrconsulting.com

SLR Consulting
SLR Consulting (Cape Town office)
5th Floor, Letterstedt House, Newlands on Main
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Cape Town, 7700



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Jeremy Blood

From: Werner Petrick
Sent: 05 November 2020 11:25 AM
To: Matthew Hambuda
Cc: Jeremy Blood
Subject: Re: TOTAL E AND P NAMIBIA B.V. - PROPOSED 3D SEISMIC SURVEY IN LICENCE BLOCKS 2912 AND 2913B, NAMIBIA: NOTIFICATION OF AVAILABILITY OF DRAFT EIA REPORT & ESMP FOR REVIEW AND COMMENT

Dear Matthew

I trust you are doing well?

Further to the e-mail correspondence below, please let me know if you would be interested in a Focus Group meeting to discuss the findings of the EIA?

Kind regards,

Werner

Werner Petrick

Environmental Associate

+264 61 231 287
+264 81 140 5968
wpetrick@slrconsulting.com

SLR Environmental Consulting (Namibia) (Pty) Ltd
SLR Environmental Consulting (Namibia) (Pty) Ltd
8 General Murtala Muhammed Street
Erost
Windhoek

From: Matthew Hambuda <matthew.possessions@gmail.com>
Sent: Monday, 02 November 2020 15:10
To: Candice Sadan <csadan@slrconsulting.com>
Cc: Werner Petrick <wpetrick@slrconsulting.com>; Jeremy Blood <jblood@slrconsulting.com>
Subject: RE: TOTAL E AND P NAMIBIA B.V. - PROPOSED 3D SEISMIC SURVEY IN LICENCE BLOCKS 2912 AND 2913B, NAMIBIA: NOTIFICATION OF AVAILABILITY OF DRAFT EIA REPORT & ESMP FOR REVIEW AND COMMENT

Dear Candice

Thank you and well received.

Kind regards

Matthew Hambuda

From: Candice Sadan [mailto:csadan@slrconsulting.com]
Sent: 02 November 2020 12:00
To: Candice Sadan <csadan@slrconsulting.com>

Jeremy Blood

From: Werner Petrick
Sent: 06 November 2020 06:15 AM
To: Matthew Hambuda
Cc: Jeremy Blood; 'AWEH Kakoro'
Subject: Re: TOTAL E AND P NAMIBIA B.V. - PROPOSED 3D SEISMIC SURVEY IN LICENCE BLOCKS 2912 AND 2913B, NAMIBIA: NOTIFICATION OF AVAILABILITY OF DRAFT EIA REPORT & ESMP FOR REVIEW AND COMMENT

Good morning Matthew

Thank you very much for your reply. Well noted.

Dear Mr Kakoro

With refence to the e-mail correspondence below, please let me know if you would be interested in a Focus Group meeting to discuss the findings of the EIA?

Kind regards,

Werner

Werner Petrick

Environmental Associate

 +264 61 231 287

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 wpetrick@slrconsulting.com

SLR Environmental Consulting (Namibia) (Pty) Ltd
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From: Matthew Hambuda <matthew.possessions@gmail.com>
Sent: Thursday, 05 November 2020 13:01
To: Werner Petrick <wpetrick@slrconsulting.com>
Cc: Jeremy Blood <jblood@slrconsulting.com>; 'AWEH Kakoro' <aweh2601@gmail.com>
Subject: RE: TOTAL E AND P NAMIBIA B.V. - PROPOSED 3D SEISMIC SURVEY IN LICENCE BLOCKS 2912 AND 2913B, NAMIBIA: NOTIFICATION OF AVAILABILITY OF DRAFT EIA REPORT & ESMP FOR REVIEW AND COMMENT

Dear Werner

Thank you for your email. Please contact Mr Kakoro the interim chairman of the Large Pelagic Association at : 0816033333.I have also copied him in as per above.

Thanks and regards

Matthew Hambuda

From: Werner Petrick [mailto:wpetrick@slrconsulting.com]
Sent: 05 November 2020 11:25
To: Matthew Hambuda <matthew.possessions@gmail.com>
Cc: Jeremy Blood <jblood@slrconsulting.com>

Jeremy Blood

From: Werner Petrick
Sent: 13 November 2020 11:51 AM
To: ludmar@iway.na; llm@iway.na
Cc: Jeremy Blood
Subject: Fw: TOTAL E AND P NAMIBIA B.V. - PROPOSED 3D SEISMIC SURVEY IN LICENCE BLOCKS 2912 AND 2913B, NAMIBIA: NOTIFICATION OF AVAILABILITY OF DRAFT EIA REPORT & ESMP FOR REVIEW AND COMMENT
Attachments: ESIA_Na Seismic 2912_13B_Draft_EIA_Report_201029_Executive_Summary.pdf; ESIA_Na Seismic 2912_13B_I&AP_DEIR_letter_201102_Rev1.pdf

Good morning Jason

I trust you are doing well?

Further to the e-mail below and our subsequent discussion, please let me know if you have any further comments / questions regarding the EIA study findings.

Also, if you would like to meet (via a Zoom call) please let me know. As discussed, I will be happy to take you through a presentation that we've prepared, summarising the EIA, etc.

Best regards,

Werner

Werner Petrick

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wpetrick@slrconsulting.com

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Ernst
Windhoek

From: Candice Sadan <csadan@slrconsulting.com>
Sent: Monday, 02 November 2020 11:59
To: Candice Sadan <csadan@slrconsulting.com>
Cc: Werner Petrick <wpetrick@slrconsulting.com>; Jeremy Blood <jblood@slrconsulting.com>
Subject: TOTAL E AND P NAMIBIA B.V. - PROPOSED 3D SEISMIC SURVEY IN LICENCE BLOCKS 2912 AND 2913B, NAMIBIA: NOTIFICATION OF AVAILABILITY OF DRAFT EIA REPORT & ESMP FOR REVIEW AND COMMENT

Dear Sir / Madam

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Jeremy Blood

From: Werner Petrick
Sent: 13 November 2020 11:44 AM
To: La Toya Shivute
Cc: Jeremy Blood
Subject: Fw: TOTAL E AND P NAMIBIA B.V. - PROPOSED 3D SEISMIC SURVEY IN LICENCE BLOCKS 2912 AND 2913B, NAMIBIA: NOTIFICATION OF AVAILABILITY OF DRAFT EIA REPORT & ESMP FOR REVIEW AND COMMENT

Good morning Latoya

Further to the e-mail below and our subsequent discussions (again earlier this week), can I please confirm our meeting appointment for next week Friday (20 November)?

I would like to meet with you to present the findings of the EIA.

Can we meet at 9:00 at your office? Will I be able to link up on your wifi during the meeting to get Jeremy and a TEPNA representative to link in via a zoom call if required?

kind regards,

Werner

Werner Petrick

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wpetrick@slrconsulting.com

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Windhoek

From: Candice Sadan <csadan@slrconsulting.com>

Sent: Monday, 02 November 2020 11:59

To: Candice Sadan <csadan@slrconsulting.com>

Cc: Werner Petrick <wpetrick@slrconsulting.com>; Jeremy Blood <jblood@slrconsulting.com>

Subject: TOTAL E AND P NAMIBIA B.V. - PROPOSED 3D SEISMIC SURVEY IN LICENCE BLOCKS 2912 AND 2913B, NAMIBIA: NOTIFICATION OF AVAILABILITY OF DRAFT EIA REPORT & ESMP FOR REVIEW AND COMMENT

Dear Sir / Madam

This email and attached letter provide information on the availability for comment of the Draft Environmental Impact Assessment (EIA) Report and Environmental & Social Management Plan (ESMP) prepared for the above-mentioned project.

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Jeremy Blood

From: Werner Petrick
Sent: 18 November 2020 10:39 PM
To: kolettegr@gmail.com
Cc: Jeremy Blood
Subject: Fw: TOTAL E AND P NAMIBIA B.V. - PROPOSED 3D SEISMIC SURVEY IN LICENCE BLOCKS 2912 AND 2913B, NAMIBIA: NOTIFICATION OF AVAILABILITY OF DRAFT EIA REPORT & ESMP FOR REVIEW AND COMMENT
Attachments: ESIA_Na Seismic 2912_13B_Draft_EIA_Report_201029_Executive_Summary.pdf; ESIA_Na Seismic 2912_13B_I&AP_DEIR_letter_201102_Rev1.pdf

Hi Kollete

As discussed earlier today, please find the mail that was sent out by Candice, below (with Attachments).

We arranged a meeting with your colleagues in the Swakop Office for Friday (20 November) @ 9:00 if you would like to join. It will basically be a feedback meeting of the study findings (as presented in the attached executive summary report).

You can also share any further comments on the report via e-mail if you prefer or cannot attend the meeting.

If you would like to attend the meeting (virtual), please let me know soonest - I will then share the zoom link...

kind regards,

Werner

Werner Petrick

Environmental Associate - Associates

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wpetrick@slrconsulting.com

SLR Environmental Consulting (Namibia) (Pty) Ltd
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From: Candice Sadan <csadan@slrconsulting.com>
Sent: Monday, 02 November 2020 11:59
To: Candice Sadan <csadan@slrconsulting.com>
Cc: Werner Petrick <wpetrick@slrconsulting.com>; Jeremy Blood <jblood@slrconsulting.com>
Subject: TOTAL E AND P NAMIBIA B.V. - PROPOSED 3D SEISMIC SURVEY IN LICENCE BLOCKS 2912 AND 2913B, NAMIBIA: NOTIFICATION OF AVAILABILITY OF DRAFT EIA REPORT & ESMP FOR REVIEW AND COMMENT

Dear Sir / Madam

This email and attached letter provide information on the availability for comment of the Draft Environmental Impact Assessment (EIA) Report and Environmental & Social Management Plan (ESMP) prepared for the above-mentioned project.

PLEASE SIGN AND EMAIL TO lswan@slrconsulting or FAX +264 61 231 289

SLR

ACKNOWLEDGEMENT OF RECEIPT

**TEPNA - PROPOSED 3D SEISMIC SURVEY IN
LICENCE BLOCKS 2912 AND 2913B, NAMIBIA:
DRAFT ENVIRONMENTAL IMPACT ASSESSMENT (EIA) REPORT AND
ENVIRONMENTAL & SOCIAL MANAGEMENT PLAN (ESMP)**

PROJECT NUMBERS: 733.20071.00002

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WALVIS BAY LIBRARY

Address of recipient:
NANGOLO MBUMBA DRIVE, CIVIC CENTRE, WALVIS BAY

Contents:
1 x HARD COPY OF DRAFT EIA REPORT AND ESMP

Review period:
3 NOVEMBER TO 2 DECEMBER 2020

Received by (print name): M.T DE JONGH for WALVIS BAY LIBRARY

Signature: 

Date: 30-10-2020



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Directors: A. Bilton, G. Brouwer, J. Fischer, P. Heisterkamp

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Postal Address: PO Box 9458, Windhoek, 2000 T: +264 61 231 281 F: +264 61 231 289

www.slrconsulting.com

ACKNOWLEDGEMENT OF RECEIPT

**TEPNA - PROPOSED 3D SEISMIC SURVEY IN
LICENCE BLOCKS 2912 AND 2913B, NAMIBIA:
DRAFT ENVIRONMENTAL IMPACT ASSESSMENT (EIA) REPORT AND
ENVIRONMENTAL & SOCIAL MANAGEMENT PLAN (ESMP)**

PROJECT NUMBERS: 733.20071.00002


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Received by (print name): Mrs. Beverley van Wyk for LÜDERITZ LIBRARY

Signature:  _____

Date: 2 Nov. 2020



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Directors: A Bittner, R Hounscome, N Penhall, P MacKellar

Windhoek Office: Physical Address: 8 General Murtala Muhammed Ave, Eros, Windhoek
Postal Address: PO Box 86386, Windhoek, 10009 Tel: +264 61 231 287 Fax: +264 61 231 289

APPENDIX 5.3:

**MINUTES OF MFMR FOCUS GROUP MEETING
(INCLUDING PRESENTATION AND ATTENDANCE REGISTER)**



TOTAL E&P NAMIBIA B.V. (TEPNA)

**ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT (ESIA) FOR
3D SEISMIC SURVEY IN BLOCKS 2912 / 2913B**

MINUTES OF FOCUS GROUP MEETING – EIA FEEDBACK

DATE	20 November 2020	
VENUE:	Ministry of Fisheries and Marine Resources (MFMR), Swakopmund	
PROJECT:	Environmental and Societal Impact Assessment (ESIA) for a 3D Seismic Survey in Blocks 2912 / 2913B, Orange Basin, Southern Namibia	
SLR COMPANY:	SLR Environmental Consulting (Namibia) (Pty) Ltd	
PROJECT NUMBER:	733.20071.00002	
PURPOSE:	<p>The objectives of the meeting were to:</p> <ul style="list-style-type: none"> • Describe the proposed 3D seismic survey • Summarise the EIA process undertaken • Present the findings of the specialist studies and impact assessment • Provide further opportunity to comment • Describe the way forward 	
ATTENDANCE:	Name:	Organisation:
	F. Hamukwaya (FH)	MFMR
	L Shivutu (LS)	MFMR
	V. Libuku (VL)	MFMR
	W. Petrick (WP)	SLR
DISTRIBUTION	Attendees – Refer to Attendance Register in Appendix A	





NO.	NOTES
1	WELCOME AND INTRODUCTION
1.1	<p>The meeting commenced at 8:30. WP welcomed all to the EIA Feedback Meeting. This was followed by a short introduction, which included the following:</p> <ul style="list-style-type: none"> • Introduction of all attendees; • Apologies: TEPNA representative(s) not attending due to COVID-19 travel restrictions; • HSE moment; • Meeting agenda; and • Objectives of the meeting; <p>In terms of the HSE moment, the following was discussed:</p> <ul style="list-style-type: none"> • COVID-19 requirements, i.e. the continued need for social distancing and face masks.
2	PRESENTATION
2.1	<p>WP provided an overview of proposed project and EIA process. The presentation included the following aspects:</p> <ul style="list-style-type: none"> • Location and size of the two license blocks (1912 and 2913B); • TEPNA overview and shareholding in the two blocks; • Proposed project activities (3D seismic survey); • EIA process: <ul style="list-style-type: none"> ○ Activities completed in the process; and

NO.	NOTES
	<ul style="list-style-type: none"> ○ Next steps required to complete the process. ● Studies undertaken and key findings: <ul style="list-style-type: none"> ○ Area of influence; ○ Receiving environment; and ○ Summary of key impacts and EIA findings - Potential noise related impacts were discussed in some detail. <p>Refer to presentation in Appendix B.</p>
3	DISCUSSION (QUESTIONS / COMMENTS RAISED BY MFMR AND ANSWERS)
3.1	<p>MFMR question / comment: Please explain the frequency of the ‘shots’ that would create the noise.</p> <p>SLR Response:</p> <ul style="list-style-type: none"> ● Pressurised airguns will be used, which releases high-pressure air into the surrounding water. ● The shot interval would be in the order of 20 m, i.e. a shot will be fired every 20 m as the vessel moves along the survey line. It roughly translates to one shot every 20 seconds.
3.2	<p>MFMR question / comment: What is the difference between the permanent and temporary noise impacts and how will this impact marine fauna?</p> <p>SLR Response:</p> <ul style="list-style-type: none"> ● Hearing loss or injury can either be permanent or temporary in nature. Noise could also result in disturbance and / or behavioural changes, masking of environmental sounds, etc. Any impact to fish and fish behaviour could, in turn, impact commercial fisheries that operate in the area (only the large pelagic longline sector) through the reduction in catch rates and/or an increase in fishing effort. ● The survey area is far removed from Tripp Seamount (a key fishing area) and key spawning areas. Thus, taking the sensitives and the receiving environment into account the potential noise impacts on marine fauna is assessed as negligible to low (depending on the species) in the mitigated scenario. ● The key mitigation measures included in the EMP are: <ul style="list-style-type: none"> ○ Avoid key cetacean migration period between June and November (inclusive). ○ 60-minute pre-shoot watch (visual watch by MMO & vocalisation detections by PAM) – cetaceans, seals, turtles, penguins, feeding aggregations of diving seabirds and shoaling large pelagic fish. ○ “Soft-start” procedures – 20 minutes. ○ MMO observation during surveying (daylight). ○ PAM during surveying (24/7) for cetaceans. ○ Shut-downs.
3.3	<p>MFMR question / comment: Encounters with certain cetacean species and potential impacts are unavoidable.</p> <p>SLR Response:</p> <ul style="list-style-type: none"> ● Due to the survey being proposed for the summer months, the key migration period for baleen whales, i.e. from June to November will be avoided. Thus, encounters with migrating whales should be minimal. ● The survey is, however, likely to frequently encounter resident odontocetes, which are present year-round. The above mentioned mitigation measures (see point 3.2) are included in the ESMP to avoid potential impacts in case of such encounters.
4	THE WAY FORWARD
4.1	<p>WP outlined the way forward as follows:</p> <ul style="list-style-type: none"> ● Comments must reach SLR by 2 December 2020. ● Comments received will be included in the Final EIA Report and ESMP. ● Final EIA Report and ESMP will be submitted to MME & MEFT for decision making: December 2020.
5	CLOSE
5.1	The meeting was closed at 10:00.

APPENDIX A: ATTENDANCE REGISTER

EIA PHASE FOCUS GROUP MEETING: ATTENDANCE REGISTER

Date: 20/11/20 Time: 9:00 Venue: MFMR - Swakop

Name	Organisation	Postal address	Tel / Cell No.	E-mail	Signature
W. Petrich	SCR	P.O. Box 8127 Suk	0817394591	wpetrich@slv.com	
F. Hamulwaga	MFMR	Box 912	08120444495	Ferdinand.Hamulwaga@mfmr.gov.na	
V. Libuku	MFMR	P.O. Box 912, Suk	0811463142	victor.libuku@mfmr.gov.na	
M. Shiuvise	MFMR	P.O. Box 912, Suk	0812082780	labaya.shiuvise@mfmr.gov.na	




Total E and P Namibia B.V.

PROPOSED 3D SEISMIC SURVEY IN BLOCKS 2912 & 2913B OFF THE COAST OF NAMIBIA

➔ **EIA Feedback Meeting**



November 2020



1

Agenda


- Introduction
 - > HSE moment
 - > Introduction
 - > Meeting Objectives
- Presentations
 - > TEPNA Overview
 - > EIA Overview and Findings
- Way Forward
- Question and Answer Session

2

General Introduction



- TEPNA holds controlling interest in Blocks 2912 & 2913B
- To meet the obligations of Exploration Licence, TEPNA is proposing to undertake a 3D seismic survey
- Activities trigger the need for an Environmental Clearance Certificate (ECC)
- SLR has been appointed to undertake an EIA process
- Application for ECC was submitted to MME and MEFT in April 2020 – application number APP-001376
- Scoping Report approved by MEFT in August 2020
- Impact Assessment completed in November 2020



3

Licence Blocks


- Block 2912
 - Size: 9 955 m²
 - Water depths: 3 300 – 3 800 m
 - Distance from coast: 290 km
- Block 2913B:
 - Size: 8 215km²
 - Water depths: 2 600 – 3 300 m
 - Distance from coast: 240 km

4


Objectives of Meeting

- Describe the proposed 3D seismic survey
- Summarise the EIA process undertaken
- Present the findings of the specialist studies and impact assessment
- Provide further opportunity to comment
- Describe the way forward




5

TEPNA Overview



- TEPNA is the operator of two blocks in Namibia – Blocks 2912 & 2913B
- Shareholding:

<p>Block 2912</p> <ul style="list-style-type: none"> • TEPNA: 37.77% • Impact: 18.9% • Qatar Petroleum: 28.33% • NAMCOR: 15% 	<p>Block 2913B</p> <ul style="list-style-type: none"> • TEPNA: 40% • Impact: 20% • Qatar Petroleum: 30% • NAMCOR: 10%
---	--



6

Seismic Surveys

- Geophysical technique using acoustic energy to map the geological structures below the seabed and identify possible hydrocarbon reserves
- High-level, low frequency sounds are emitted from the sound source (towed airgun releasing a high pressure air bubble) towards the seabed
- The acoustic signal penetrates the seabed, then is reflected by the rock formations
- Reflected signals are recorded by towed receivers (or hydrophones)
- Analyses of the returned signals allow for interpretation of geological structures beneath the seabed

Principles of offshore seismic acquisition surveys

Example of 3D image

7

Seismic Surveys

Example of a survey vessel, Polar Express

Airgun array – 2 to 3 arrays; up to 8 m deep

Hydrophone streamer – 14 streamers up to 8 800 m long and 25 m deep

Tail buoy at end of streamer

8

Project Description

- Survey details:
 - Survey area: 6 474 km²
 - Operation area: 9 797 km²
 - Distance offshore: ± 265 km
 - Duration: 100 days
 - Commencement date: 2021 / 2022 Austral Summer
- Vessels:
 - 1 x survey vessel
 - 1 x support vessel
 - 1 x escort vessel – maintain 500 m minimum safety zone
- Possible helicopter support
- Onshore logistics base options:
 - Lüderitz (± 320 km)
 - Walvis Bay (± 690 km)

9

Namibian Regulated EIA Process

The flowchart shows the EIA process in Namibia, divided into Scoping Phase and Impact Assessment Phase. A red arrow points to the 'Public Review and Comment' step in the Impact Assessment Phase, with the text 'We are here'.

10

EIA Process - EIA Programme

- Scoping Report
 - Application submitted to MEFT: **April 2020**
 - Distribute Draft Scoping Report for 30-day review: **May – June 2020**
 - Submit Final Scoping report to MME / MEFT: **June 2020**
 - MEFT acceptance of FSR: **6 Aug 2020**
- EIA Report and ESMP
 - Distribute Draft EIA Report & ESMP for 30-day review: **3 Nov to 2 Dec 2020**
 - Submit Final EIA Report & ESMP to MME / MEFT: **Dec 2020**

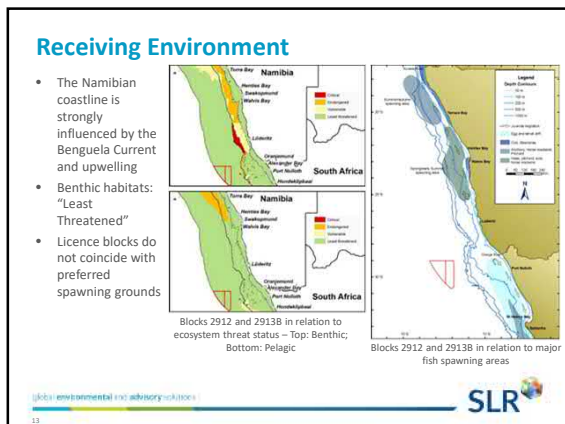
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Area of Influence

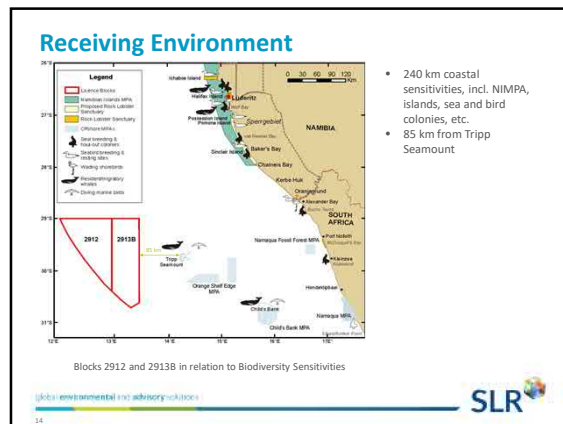
Direct area of influence:

- Survey / operational area
- Lüderitz and possible Walvis Bay
- Central to Southern Namibian offshore between the port / airport and the licence area

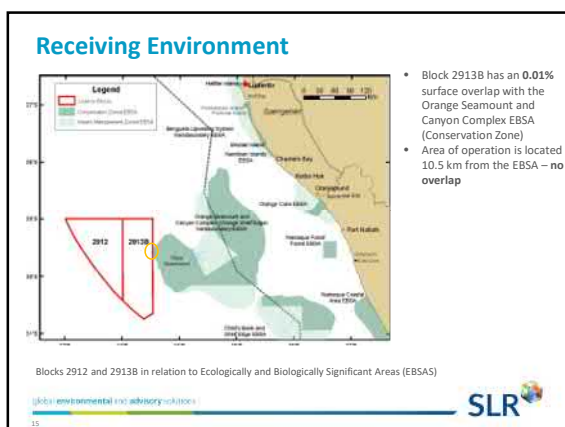
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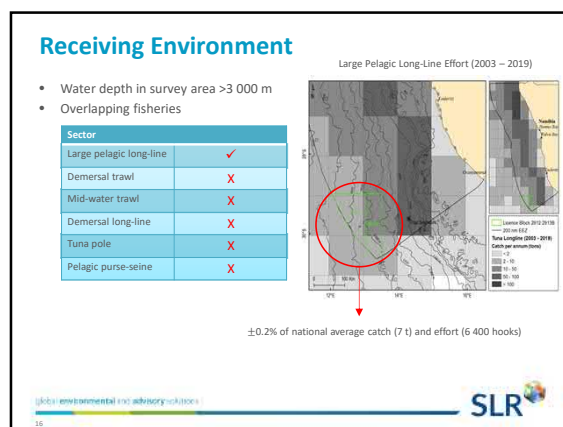
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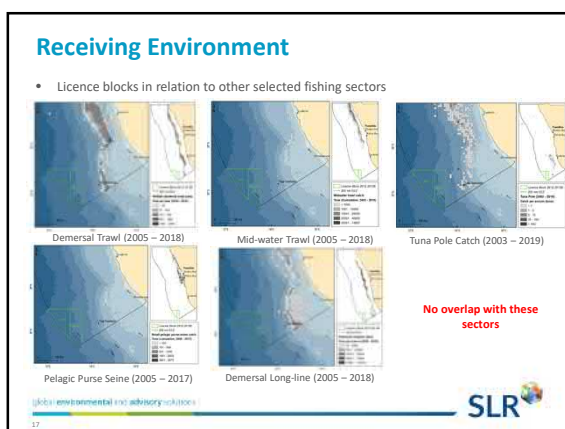
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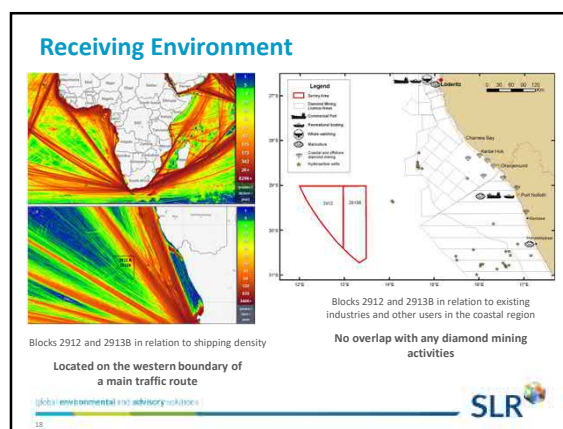
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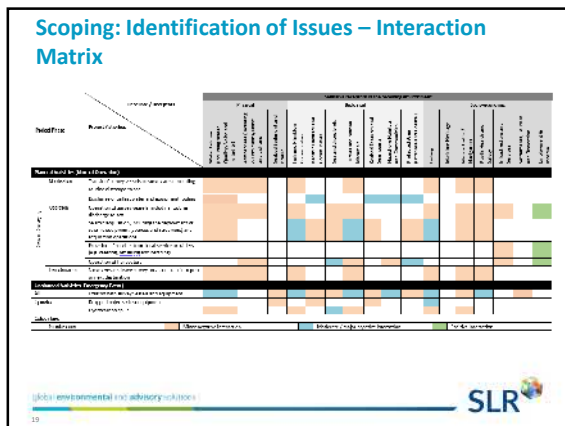
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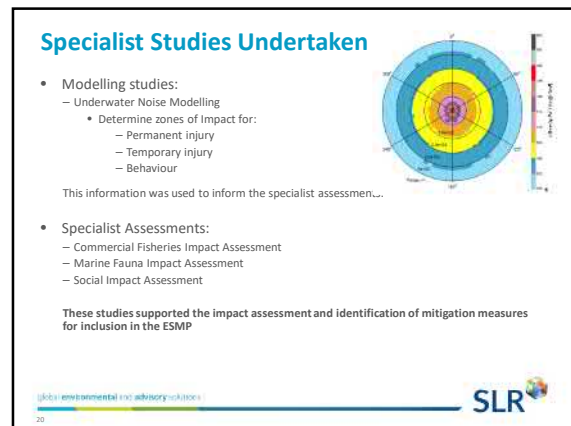
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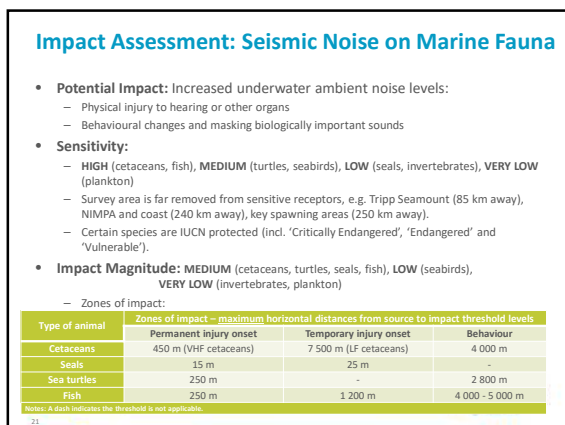
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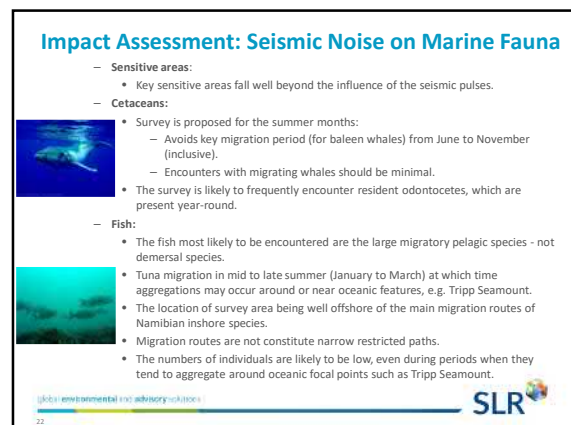
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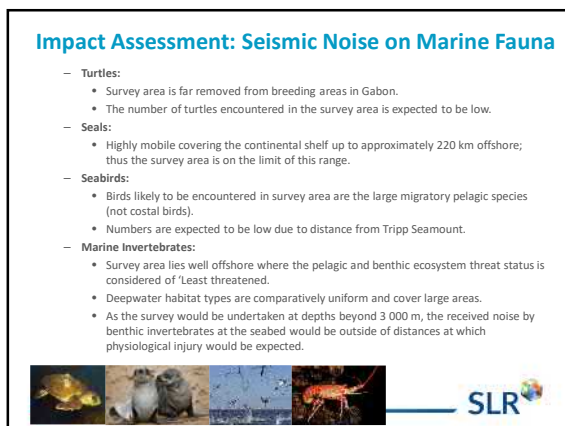
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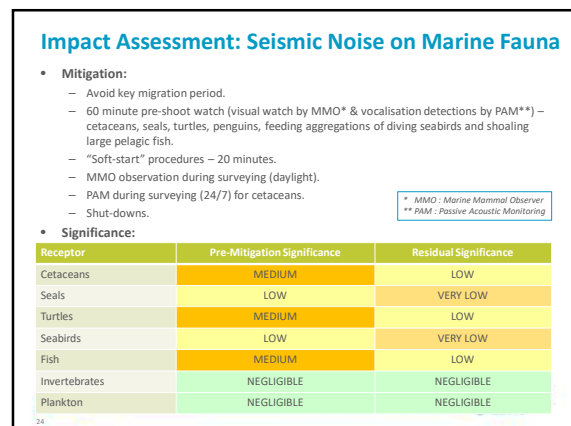
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Impact Assessment: Seismic Noise and Exclusion on Fishing

- Potential Impact:**
 - Increased underwater ambient noise levels:
 - Physical injury and Behavioural changes
 - Reduced catch and/or increased fishing effort
 - Exclusion from fishing grounds.
- Sensitivity: MEDIUM (Large pelagic longline)**
 - ±0.2% of national average catch (7 t) and effort (6 400 hooks) within survey area.
 - Effort occurs year-round with higher levels of fishing effort expected from December to the end of May.
 - Pelagic longline vessels set a drifting mainline, which are up to 100 km in length. Thus, a vessel cannot easily manoeuvre out of the way of an approaching seismic vessel.
 - Survey area is deep offshore and far removed from sensitive receptors, e.g. Tripp Seamount (85 km away). No impact on other fishing sectors.
- Impact Magnitude: LOW**
 - Most tuna, a key target species targeted by the large pelagic longline sector, do not have a swim bladder. Therefore, less sensitive to impulsive sounds.
 - Zones of impact:

Type of animal	Zones of impact – maximum horizontal distances from source to impact threshold levels		
	Permanent injury onset	Temporary injury onset	Behaviour
Fish	250 m	1 200 m	4 000 - 5 000 m

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Impact Assessment: Seismic Noise and Exclusion on Fishing

- Behavioural effects of fish are generally short-term in nature, with duration of the effect being less than or equal to the duration of exposure.
- Mitigation:**
 - As per Marine Fauna
 - Stakeholder notification
 - Navigational warning
 - Fisheries Liaison Officer
 - Vessel lighting
 - Establish grievance mechanism
- Significance:**

Receptor	Pre-Mitigation Significance	Residual Significance
Large pelagic longline	LOW	VERY LOW
Other sectors	NO IMPACT	NO IMPACT

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Impact Assessment: Air Emissions

- Potential Impact:** Air emissions due to exhaust gases:
 - Local reduction in air quality
 - Contribution to global greenhouse gas emissions
- Sensitivity: VERY LOW**
 - Survey area is located more than 240 km offshore and far removed from any sensitive receptors (e.g. settlements, bird or seal colonies, etc.).
- Impact Magnitude: VERY LOW**
 - Atmosphere has the capacity to disperse relatively minor emissions without detectable alteration in local air quality.
 - Distance offshore (240 km) and dominant wind direction (NW direction away from the coast).
 - Minor contribution to GHG.
- Mitigation / Project Control :**
 - Compliance with MARPOL Annex VI
- Significance:**

Receptor	Pre-Mitigation Significance	Residual Significance
Air Quality	NEGLECTIBLE	NEGLECTIBLE
GHG Emissions	NEGLECTIBLE	NEGLECTIBLE

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Impact Assessment: Operational Discharges

- Potential Impact:** Local reduction in water quality (sewage, galley waste, ballast water, etc.)
 - Physiological effect on marine fauna
 - Increased food source for marine fauna
 - Introduction of alien invasive species
- Sensitivity: MEDIUM**
 - Survey area is located more than 240 km offshore and far removed from any sensitive receptors (e.g. settlements, bird or seal colonies, etc.)
 - Survey area is located on the boundary of a main marine traffic route - thus area already experiencing increased marine traffic and operational discharges
 - Certain species are IUCN protected (incl. 'Critically Endangered', 'Endangered' and 'Vulnerable')
- Impact Magnitude: VERY LOW**
 - Distance offshore
 - Dominant current & wave direction: NW direction away from the coast and Tripp Seamount
- Mitigation / Project Control :**
 - Compliance with MARPOL Annexes I, IV and V
 - Sewage treatment plant on board all vessels
 - Waste Management Plan
 - Compliance with IMO 2004 Ballast Water Management Convention
- Significance:**

Receptor	Pre-Mitigation Significance	Residual Significance
Marine ecology - discharges	VERY LOW	VERY LOW
Marine biodiversity - de-ballasting	VERY LOW	NEGLECTIBLE

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Impact Assessment: Helicopters

- Potential Impact:**
 - Increase in noise levels
 - Avoidance of key breeding areas (e.g. coastal birds and cetaceans)
 - Abandonment of nests (birds) and young (birds and seals)
- Sensitivity: HIGH**
 - Certain species are IUCN protected
- Impact Magnitude: VERY LOW**
 - Total flights: up to 16 return flights
 - The nearest seabird colonies to Lüderitz airport are at Lüderitz Lagoon, Halifax and Possession Islands. These colonies fall adjacent to the potential flight paths
- Mitigation:**
 - Flight paths to avoid the Lüderitz Lagoon and offshore islands
 - Maintain an altitude of at least 1 000 m within the NIMPA and a cruising altitude of greater than 300 m
- Significance:**

Receptor	Pre-Mitigation Significance	Residual Significance
Marine Fauna	LOW	LOW

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Impact Assessment: Local employment and local business opportunities

- Potential Impact:**
 - Spending injection into the local economy (salaries, fees, rentals, etc.)
- Sensitivity: MEDIUM**
 - Lüderitz is potentially more susceptible to any new economic activity.
 - There is also the potential for raised expectations within Lüderitz that there will be substantive local economic opportunities related to the exploration activities.
- Impact Magnitude: VERY LOW**
 - Minimal support from local service providers and suppliers in terms of crew accommodation, meals, basic goods, and refuelling.
 - Short-term (exploration with no guarantee of success) – no new jobs.
- Mitigation:**
 - Fair, transparent and reasonable preferential contracting
 - Apply reasonable preferential sub-contracting of local companies when possible
 - Manage community expectations related to local procurement, local content, and local employment opportunities
 - Establish a grievance mechanism
- Significance:**

Receptor	Pre-Mitigation Significance	Residual Significance
Lüderitz / Walvis bay	VERY LOW POSITIVE	VERY LOW POSITIVE

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Impact Assessment Summary

Significance of Potential Residual Impacts (i.e. with Mitigation) – most conservative ratings shown

	ASPECTS POTENTIALLY IMPACTED						
	Air Quality	Water Quality	Marine Fauna	Fisheries	Maritime Navigation	Local Economy	Tourism
PROJECT ACTIVITIES							
Air Emissions	Negligible						
Operational Discharges		Very Low					
Discharge of ballast water			Negligible				
Helicopter Noise			Low				
Vessel Noise			Very Low				
Vessel lighting			Low				
Seismic Noise			Low	Very Low			
Temporary Safety Zone				Very Low	Very Low		
Local project spending						Very Low Positive	
OPERATIONAL IMPACTS							
Collisions			Low	Very low	Very Low		Very Low
Small operational spills			Low	Very low			
Lost Equipment			Very Low	Very Low			

slr environmental inc advisory solutions **SLR**

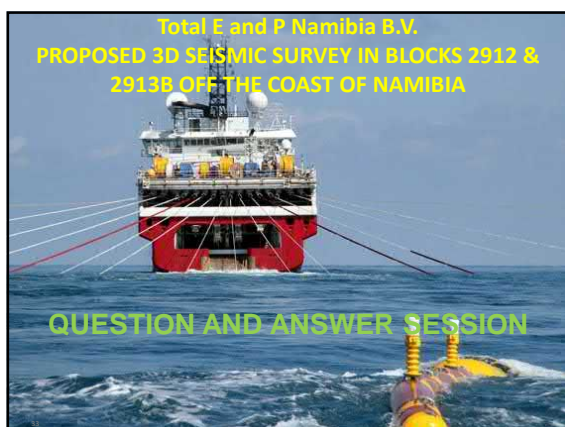
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Way Forward

- Comments must reach SLR by **2 December 2020**
- Comments received will be included in the Final EIA Report and ESMP.
- Final EIA Report and ESMP will be submitted to MME & MEFT for decision making: **December 2020**

slr environmental inc advisory solutions **SLR**

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APPENDIX 5.4:
I&AP CORRESPONDENCE RECEIVED DURING
THE REVIEW AND COMMENT PERIOD

Jeremy Blood

From: James <jw2s@afol.com.na>
Sent: 02 November 2020 01:41 PM
To: Jeremy Blood
Cc: Candice Sadan; Werner Petrick
Subject: RE: TOTAL E AND P NAMIBIA B.V. - PROPOSED 3D SEISMIC SURVEY IN LICENCE BLOCKS 2912 AND 2913B, NAMIBIA: NOTIFICATION OF AVAILABILITY OF DRAFT EIA REPORT & ESMP FOR REVIEW AND COMMENT

Thank you

From: Jeremy Blood [mailto:jblood@slrconsulting.com]
Sent: 02 November 2020 01:11 PM
To: jw2s@afol.com.na
Cc: Candice Sadan; Werner Petrick
Subject: RE: TOTAL E AND P NAMIBIA B.V. - PROPOSED 3D SEISMIC SURVEY IN LICENCE BLOCKS 2912 AND 2913B, NAMIBIA: NOTIFICATION OF AVAILABILITY OF DRAFT EIA REPORT & ESMP FOR REVIEW AND COMMENT

Good afternoon James

Your email below refers.

TEPNA proposes to commence with the 3D seismic survey in 2021 / 2022 Austral Summer, subject to obtaining an ECC. The EIA recommends that the survey be undertaken between December and May (inclusive).

Regards
Jeremy

From: James <jw2s@afol.com.na>
Sent: Monday, 02 November 2020 13:02
To: Candice Sadan <csadan@slrconsulting.com>
Subject: RE: TOTAL E AND P NAMIBIA B.V. - PROPOSED 3D SEISMIC SURVEY IN LICENCE BLOCKS 2912 AND 2913B, NAMIBIA: NOTIFICATION OF AVAILABILITY OF DRAFT EIA REPORT & ESMP FOR REVIEW AND COMMENT

Dear Candice,
when do they intend doing the seismics ?
I can't find it in the document.
Regards James

From: Candice Sadan [mailto:csadan@slrconsulting.com]
Sent: 02 November 2020 12:00 PM
To: Candice Sadan
Cc: Werner Petrick; Jeremy Blood
Subject: TOTAL E AND P NAMIBIA B.V. - PROPOSED 3D SEISMIC SURVEY IN LICENCE BLOCKS 2912 AND 2913B, NAMIBIA: NOTIFICATION OF AVAILABILITY OF DRAFT EIA REPORT & ESMP FOR REVIEW AND COMMENT

Dear Sir / Madam

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Location	Name of facility	Physical address
Walvis Bay	Walvis Bay Library	Nangolo Mbumba Drive, Civic Centre
Lüderitz	Lüderitz Library	Ring Street

Any comments on the draft reports should be forwarded to SLR Environmental Consulting (Namibia) (Pty) Ltd at the address, telephone/fax numbers or e-mail address shown below. For comments to be included in the final report, they should be forward to SLR by **no later than 2 December 2020**.

SLR Environmental Consulting (Namibia) (Pty) Ltd
Attention: Werner Petrick
PO Box 86386, Windhoek
Tel: +264 61 231 287 Cell: +264 81 739 4591 Email: wpetrick@slrconsulting.com

Kind regards

For and on behalf of Werner Petrick



Candice Sadan
Office Administrator

+27 21 461 1118
csadan@slrconsulting.com

SLR Consulting
 SLR Consulting (Cape Town office)
 5th Floor, Letterstedt House, Newlands on Main
 Cnr Main and Campground Roads
 Newlands
 Cape Town, 7700



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Jeremy Blood

From: Peter Owens <Peter.Owens@tulloil.com>
Sent: 02 November 2020 01:56 PM
To: Candice Sadan
Cc: Werner Petrick; Jeremy Blood
Subject: RE: TOTAL E AND P NAMIBIA B.V. - PROPOSED 3D SEISMIC SURVEY IN LICENCE BLOCKS 2912 AND 2913B, NAMIBIA: NOTIFICATION OF AVAILABILITY OF DRAFT EIA REPORT & ESMP FOR REVIEW AND COMMENT

Thank you Candice.
Peter

Peter Owens
General Manager
Tullow Namibia Limited

Office: +264 61 376 600 | Mobile: +264 81 122 2327 | Mobile: +27 82 309 1284
Address: 4 Village Complex, 18 Liliencron Street, Windhoek, Namibia | PO Box 86593, Eros, Windhoek, Namibia

From: Candice Sadan <csadan@slrconsulting.com>
Sent: Monday, 02 November 2020 12:00
To: Candice Sadan <csadan@slrconsulting.com>
Cc: Werner Petrick <wpetrick@slrconsulting.com>; Jeremy Blood <jblood@slrconsulting.com>
Subject: TOTAL E AND P NAMIBIA B.V. - PROPOSED 3D SEISMIC SURVEY IN LICENCE BLOCKS 2912 AND 2913B, NAMIBIA: NOTIFICATION OF AVAILABILITY OF DRAFT EIA REPORT & ESMP FOR REVIEW AND COMMENT

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SLR Environmental Consulting (Namibia) (Pty) Ltd
Attention: Werner Petrick
PO Box 86386, Windhoek
Tel: +264 61 231 287 Cell: +264 81 739 4591 Email: wpetrick@slrconsulting.com

Kind regards

For and on behalf of Werner Petrick



Candice Sadan
Office Administrator

-  +27 21 461 1118
-  csadan@slrconsulting.com

SLR Consulting
SLR Consulting (Cape Town office)
5th Floor, Letterstedt House, Newlands on Main
Cnr Main and Campground Roads
Newlands
Cape Town, 7700



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Any advice or opinion is provided on the basis that it has been prepared by SLR with reasonable skill, care and diligence, taking account of the manpower, timescales and resources devoted to it by agreement with its Client. It is subject to the terms and conditions of any appointment to which it relates. Parties with whom SLR is not in a contractual relationship in relation to the subject of the message should not use or place reliance on any information, advice, recommendations and opinions in this message and any attachment(s) for any purpose.

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Jeremy Blood

From: Matthew Hambuda <matthew.possessions@gmail.com>
Sent: 02 November 2020 03:11 PM
To: Candice Sadan
Cc: Werner Petrick; Jeremy Blood
Subject: RE: TOTAL E AND P NAMIBIA B.V. - PROPOSED 3D SEISMIC SURVEY IN LICENCE BLOCKS 2912 AND 2913B, NAMIBIA: NOTIFICATION OF AVAILABILITY OF DRAFT EIA REPORT & ESMP FOR REVIEW AND COMMENT

Dear Candice

Thank you and well received.

Kind regards

Matthew Hambuda

From: Candice Sadan [mailto:csadan@slrconsulting.com]
Sent: 02 November 2020 12:00
To: Candice Sadan <csadan@slrconsulting.com>
Cc: Werner Petrick <wpetrick@slrconsulting.com>; Jeremy Blood <jblood@slrconsulting.com>
Subject: TOTAL E AND P NAMIBIA B.V. - PROPOSED 3D SEISMIC SURVEY IN LICENCE BLOCKS 2912 AND 2913B, NAMIBIA: NOTIFICATION OF AVAILABILITY OF DRAFT EIA REPORT & ESMP FOR REVIEW AND COMMENT

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Lüderitz	Lüderitz Library	Ring Street

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SLR Environmental Consulting (Namibia) (Pty) Ltd
Attention: Werner Petrick
PO Box 86386, Windhoek
Tel: +264 61 231 287 Cell: +264 81 739 4591 Email: wpetrick@slrconsulting.com


Kind regards

For and on behalf of Werner Petrick



Candice Sadan

Office Administrator

-  +27 21 461 1118
-  csadan@slrconsulting.com

SLR Consulting
SLR Consulting (Cape Town office)
5th Floor, Letterstedt House, Newlands on Main
Cnr Main and Campground Roads
Newlands
Cape Town, 7700



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Jeremy Blood

From: Matthew Hambuda <matthew.possessions@gmail.com>
Sent: 05 November 2020 01:01 PM
To: Werner Petrick
Cc: Jeremy Blood; 'AWEH Kakoro'
Subject: RE: TOTAL E AND P NAMIBIA B.V. - PROPOSED 3D SEISMIC SURVEY IN LICENCE BLOCKS 2912 AND 2913B, NAMIBIA: NOTIFICATION OF AVAILABILITY OF DRAFT EIA REPORT & ESMP FOR REVIEW AND COMMENT

Dear Werner

Thank you for your email. Please contact Mr Kakoro the interim chairman of the Large Pelagic Association at : 0816033333.I have also copied him in as per above.

Thanks and regards

Matthew Hambuda

From: Werner Petrick [mailto:wpetrick@slrconsulting.com]
Sent: 05 November 2020 11:25
To: Matthew Hambuda <matthew.possessions@gmail.com>
Cc: Jeremy Blood <jblood@slrconsulting.com>
Subject: Re: TOTAL E AND P NAMIBIA B.V. - PROPOSED 3D SEISMIC SURVEY IN LICENCE BLOCKS 2912 AND 2913B, NAMIBIA: NOTIFICATION OF AVAILABILITY OF DRAFT EIA REPORT & ESMP FOR REVIEW AND COMMENT

Dear Matthew

I trust you are doing well?

Further to the e-mail correspondence below, please let me know if you would be interested in a Focus Group meeting to discuss the findings of the EIA?

Kind regards,

Werner

From: Matthew Hambuda <matthew.possessions@gmail.com>
Sent: Monday, 02 November 2020 15:10
To: Candice Sadan <csadan@slrconsulting.com>
Cc: Werner Petrick <wpetrick@slrconsulting.com>; Jeremy Blood <jblood@slrconsulting.com>
Subject: RE: TOTAL E AND P NAMIBIA B.V. - PROPOSED 3D SEISMIC SURVEY IN LICENCE BLOCKS 2912 AND 2913B, NAMIBIA: NOTIFICATION OF AVAILABILITY OF DRAFT EIA REPORT & ESMP FOR REVIEW AND COMMENT

Dear Candice

Thank you and well received.

Kind regards

Matthew Hambuda

From: Candice Sadan [<mailto:csadan@slrconsulting.com>]

Sent: 02 November 2020 12:00

To: Candice Sadan <csadan@slrconsulting.com>

Cc: Werner Petrick <wpetrick@slrconsulting.com>; Jeremy Blood <jblood@slrconsulting.com>

Subject: TOTAL E AND P NAMIBIA B.V. - PROPOSED 3D SEISMIC SURVEY IN LICENCE BLOCKS 2912 AND 2913B, NAMIBIA: NOTIFICATION OF AVAILABILITY OF DRAFT EIA REPORT & ESMP FOR REVIEW AND COMMENT

Dear Sir / Madam

This email and attached letter provide information on the availability for comment of the Draft Environmental Impact Assessment (EIA) Report and Environmental & Social Management Plan (ESMP) prepared for the above-mentioned project.

The Draft EIA Report and ESMP, which is based on the scope presented in the FSR, has now been made available for a 30-day public review and comment period from 3 November to 2 December 2020. A copy of the Executive Summary of the draft report is attached for your reference. Copies of the full report are available on the SLR website (at <https://slrconsulting.com/public-documents/tepna>) and at the locations listed below. A copy of the Executive Summary of the draft report is also attached for your reference.

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Attention: Werner Petrick

PO Box 86386, Windhoek

Tel: +264 61 231 287 Cell: +264 81 739 4591 Email: wpetrick@slrconsulting.com

Kind regards

For and on behalf of Werner Petrick



Candice Sadan

Office Administrator

+27 21 461 1118

csadan@slrconsulting.com

Jeremy Blood

Subject: FW: TOTAL E AND P NAMIBIA B.V. - PROPOSED 3D SEISMIC SURVEY IN LICENCE BLOCKS 2912 AND 2913B, NAMIBIA: NOTIFICATION OF AVAILABILITY OF DRAFT EIA REPORT & ESMP FOR REVIEW AND COMMENT

Attachments: image001.png; image788003.png; image042660.png; image704244.png; image836389.png; image160487.png; image480310.png; image001.png; image788003.png; image836389.png; image160487.png; image704244.png; image480310.png; image042660.png; ESIA_Na Seismic 2912_13B_Draft_EIA_Report_201029_Executive_Summary.pdf; ESIA_Na Seismic 2912_13B_I&AP_DEIR_letter_201102_Rev1.pdf

From: AWEH Kakoro <aweh2601@gmail.com>

Sent: Tuesday, 10 November 2020 16:23

To: Candice Sadan <csadan@slrconsulting.com>

Subject: Fwd: TOTAL E AND P NAMIBIA B.V. - PROPOSED 3D SEISMIC SURVEY IN LICENCE BLOCKS 2912 AND 2913B, NAMIBIA: NOTIFICATION OF AVAILABILITY OF DRAFT EIA REPORT & ESMP FOR REVIEW AND COMMENT

Dear Sir/Madam

Kindly find attached the mail addresses of operators i shared your information with to follow up pertaining meeting arrangements were possible.

Best Regards!

----- Forwarded message -----

From: AWEH Kakoro <aweh2601@gmail.com>

Date: Tue, Nov 10, 2020 at 5:27 AM

Subject: Fwd: TOTAL E AND P NAMIBIA B.V. - PROPOSED 3D SEISMIC SURVEY IN LICENCE BLOCKS 2912 AND 2913B, NAMIBIA: NOTIFICATION OF AVAILABILITY OF DRAFT EIA REPORT & ESMP FOR REVIEW AND COMMENT

To: Jason Burgess <llm@iway.na>, <reinhold.katti@yahoo.com>, Beau Tjizoo <Beau.Tjizoo@mfmr.gov.na>, Ingrid Morgan <acc.walvisbay@proteahotels.com.na>, Riaan Steyn <riaans@future-holdings.com>, Ricky de Castro <ricky@castrobros.com.na>, RONALD WOLTERS <wolters@iway.na>, Matti Amukwa <matti@empirefishing.com.na>

----- Forwarded message -----

From: Candice Sadan <csadan@slrconsulting.com>

Date: Mon, Nov 2, 2020, 12:01

Subject: TOTAL E AND P NAMIBIA B.V. - PROPOSED 3D SEISMIC SURVEY IN LICENCE BLOCKS 2912 AND 2913B, NAMIBIA: NOTIFICATION OF AVAILABILITY OF DRAFT EIA REPORT & ESMP FOR REVIEW AND COMMENT

To: Candice Sadan <csadan@slrconsulting.com>

Cc: Werner Petrick <wpetrick@slrconsulting.com>, Jeremy Blood <jblood@slrconsulting.com>

Dear Sir / Madam

This email and attached letter provide information on the availability for comment of the Draft Environmental Impact Assessment (EIA) Report and Environmental & Social Management Plan (ESMP) prepared for the above-mentioned project.

The Draft EIA Report and ESMP, which is based on the scope presented in the FSR, has now been made available for a 30-day public review and comment period from 3 November to 2 December 2020. A copy of the Executive Summary

of the draft report is attached for your reference. Copies of the full report are available on the SLR website (at <https://slrconsulting.com/public-documents/tepna>) and at the locations listed below. A copy of the Executive Summary of the draft report is also attached for your reference.

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Kind regards

For and on behalf of Werner Petrick

Candice Sadan
Office Administrator

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Cape Town, 7700

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Jeremy Blood

Subject: FW: Proposed three-dimensional (3D) seismic survey in Licence Blocks 2912 and 2913B, Orange Basin, off the coast of southern Namibia_KMLs

From: Nozipho Mkhabela <NoziphoM@ij.co.za>

Sent: 03 December 2020 03:25 PM

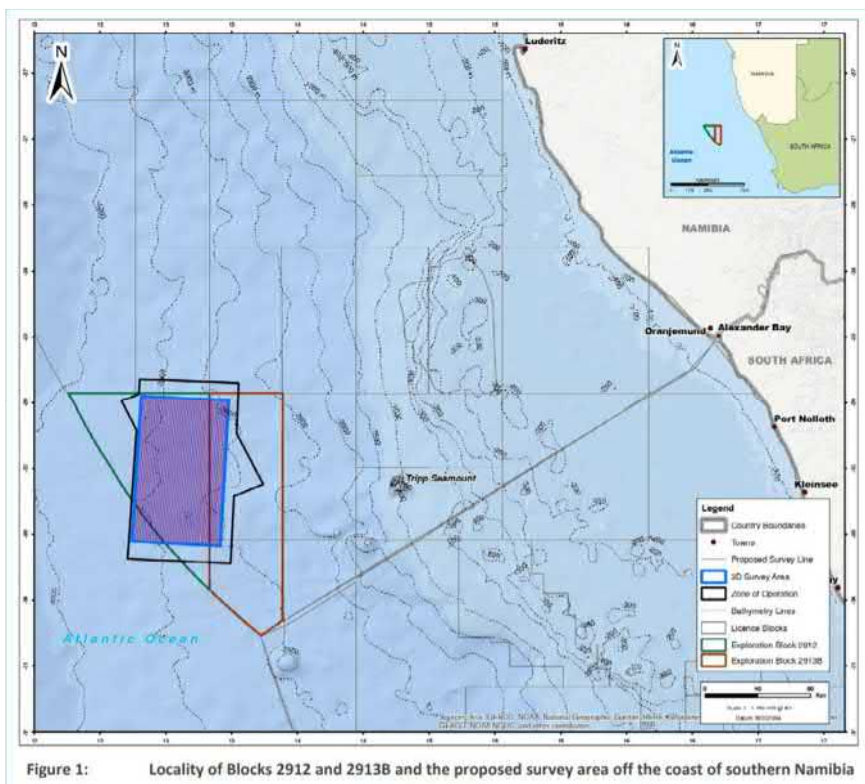
To: Werner Petrick <wpetrick@slrconsulting.com>; Jeremy Blood <jblood@slrconsulting.com>

Subject: Proposed three-dimensional (3D) seismic survey in Licence Blocks 2912 and 2913B, Orange Basin, off the coast of southern Namibia_KMLs

Hi Werner and Jeremy

We are aware of a proposed three-dimensional (3D) seismic survey in Licence Blocks 2912 and 2913B, Orange Basin, off the coast of southern Namibia. While this survey is outside of the SA EEZ, we would like to maintain a visual of surrounding ocean activities.

Could you please send to me the kml. files used to make the map below taken from the associated Draft Environmental Impact Assessment Report and Environmental & Social Management Plan?



Kind regards,

Nozipho Mkhabela
GIS ANALYST

T: +27 (0) 21 402 9725

C: +27 (0) 60 490 5525

1 South Arm Road, Cape Town, 8000, South Africa

www.ij.co.za

Facebook & Instagram: @iandjlt



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APPENDIX 5.5:
COMMENTS AND RESPONSES REPORT

COMMENTS AND RESPONSES REPORT

1. INTRODUCTION

This Comments and Responses Report has been compiled as part of the Environmental Impact Assessment (EIA) process that is being undertaken for a three-dimensional (3D) seismic survey in Licence Blocks 2912 and 2913B, Orange Basin, off the coast of southern Namibia.

This document is a record of all written correspondence received from and issued raised by Interested and Affected Parties (I&APs) during the Impact Assessment Phase. Where applicable, responses to comments and questions are given or cross-referenced to the relevant section of text in the Final EIA Report and ESMP.

2. PUBLIC PARTICIPATION PROCESS

Tasks undertaken during the initial public participation process are summarised in Chapter 4 of the Final EIA Report and ESMP.

One focus group meeting, with the Ministry of Fisheries and Marine Resources (MFMR), was held during the Impact Assessment Phase (see Table 2-1). The minutes of these meetings are presented in Appendix 5.3 of the Final EIA Report and ESMP.

A total of **six** written submissions were received by SLR during the Draft EIA Report and ESMP review and comment period (see Table 2-1). A copy of all written submissions is provided in Appendix 5.4 of the FSR (in no particular order of importance). As far as possible, comments are presented verbatim from written submissions.

SLR confirmed with the Walvis Bay and Lüderitz libraries that no additional comments were left with the draft report were it was made available for review and comment.

TABLE 2-1: LIST OF I&APS THAT SUBMITTED WRITTEN CORRESPONDENCE

1	1 x James van Zyl, Large Pelagic Longline sector
2	2 x Matthew Hambuda, Large Pelagic and Hake Longlining Association / Possessions Fishing
3	1 x Antonio Kakoro, Large Pelagic Association
4	1 x Peter Owens, Tullow Namibia
5	1 x Nozipho Mkhabela, Irvin & Johnson

3. ISSUES AND RESPONSES TRAIL

NO.	ISSUE	ORGANISATION AND CONTACT PERSON	METHOD AND DATE	COMMENT	RESPONSE
3.1	EXPLORATION PROGRAMME AND PROJECT DESCRIPTION				
3.1.1	Survey timing	James van Zyl, Large Pelagic Longline sector	Email, 2 Nov 2020	When do they intend doing the seismics?	TEPNA proposes to commence with the 3D seismic survey in 2021 / 2022 Austral Summer, subject to obtaining an ECC. The EIA recommends that the survey be undertaken between December and May (inclusive).
3.1.2	Airgun	MFMR, Swakopmund	Focus Group Meeting, 20 Nov 2020	Please explain the frequency of the 'shots' that creates the noise.	Pressurised airguns will be used, which releases high-pressure air into the surrounding water. The shot interval will be in the order of 20 m, i.e. a shot will be fired every 20 m as the vessel moves along the survey line. It roughly translates to one shot every 20 seconds.
3.2	BIOPHYSICAL				
3.2.1	Faunal injury due to seismic noise	MFMR, Swakopmund	Focus Group Meeting, 20 Nov 2020	What is the difference between the permanent and temporary noise impacts and how will this impact marine fauna?	<p>Hearing loss or injury can either be permanent or temporary in nature.</p> <ul style="list-style-type: none"> A permanent threshold shift (PTS) is a permanent shift in the auditory threshold, which results in permanent hearing loss. A temporary threshold shift (TTS) is a temporary shift in the auditory threshold, which results in temporary hearing loss. <p>Noise could also result in disturbance and / or behavioural changes, masking of environmental sounds, etc. Any impact to fish and fish behaviour could, in turn, impact commercial fisheries that operate in the area (only the large pelagic longline sector) through the reduction in catch rates and/or an increase in fishing effort.</p>
3.2.2	Impact on cetaceans	MFMR, Swakopmund	Focus Group Meeting, 20 Nov 2020	Encounters with certain cetacean species and potential impacts are unavoidable.	Although TEPNA propose to commence with surveying in the austral summer (possible December 2021), the EIA considered the implications of surveying at any time during the year. If the survey extends into the key cetacean migration period from June to November (inclusive) encounters with migratory whales to and from breeding grounds in equatorial West Africa are highly likely, which could result in a more significant impact and

NO.	ISSUE	ORGANISATION AND CONTACT PERSON	METHOD AND DATE	COMMENT	RESPONSE
					<p>operations being shut-down. Thus, it is recommended that surveying avoid this period and, therefore, be undertaken between December and May (inclusive).</p> <p>The survey is, however, likely to frequently encounter resident odontocetes, which are present year-round. Other mitigation recommended to minimise the impact on these cetaceans includes implementing a 60-minute pre-watch period and “soft-start” procedure, monitoring the faunal activity within the mitigation zone when the airgun array is active and terminating seismic shooting, as specified.</p>
3.3	EIA AND PUBLIC PARTICIPATION PROCESS				
3.3.1	Acknowledgment of receipt	Peter Owens, Tullow Namibia	Email, 2 Nov 2020	Thank you, Candice.	Noted.
3.3.2	Acknowledgment of receipt	Matthew Hambuda, Large Pelagic and Hake Longlining Association / Possessions Fishing	Email, 2 Nov 2020	Thank you and well received.	Noted.
3.3.3	I&AP database	Matthew Hambuda, Large Pelagic and Hake Longlining Association / Possessions Fishing	Email, 5 Nov 2020	Thank you for your email. Please contact Mr Kakoro the interim chairman of the Large Pelagic Association at: 0816033333.I have also copied him in as per above	<p>Mr Kakoro was contacted via email on 6 Nov 2020 to determine if he was interested in a Focus Group meeting to discuss the findings of the EIA.</p> <p>Mr Karoro forwarded SLR's notification letter / email to a number of stakeholders (commercial fishing) - see Comment below.</p>
3.3.4	Information request	Nozipho Mkhabela, Irvin & Johnson	Email, 3 Dec 2020	We are aware of a proposed three-dimensional (3D) seismic survey in Licence Blocks 2912 and 2913B, Orange Basin, off the coast of southern Namibia. While this survey is outside of the SA EEZ, we would like to maintain a visual of surrounding	The KMZ files were sent on 4 Dec 2020.

NO.	ISSUE	ORGANISATION AND CONTACT PERSON	METHOD AND DATE	COMMENT	RESPONSE
				<p>ocean activities.</p> <p>Could you please send to me the kml. files used to make the map below taken from the associated Draft Environmental Impact Assessment Report and Environmental & Social Management Plan?</p>	
3.3.5	I&AP notification	Antonio Kakoro, Large Pelagic Association	Email, 10 Nov 2020	<p>Kindly find attached the mail addresses of operators I shared your information with to follow up pertaining meeting arrangements were possible.</p> <p>Jason Burgess <llm@iway.na>, <reinhold.katti@yahoo.com>, Beau Tjizoo <Beau.Tjizoo@mfmr.gov.na>, Ingrid Morgan <acc.walvisbay@proteahotels.com.na>, Riaan Steyn <riaans@future-holdings.com>, Ricky de Castro <ricky@castrobros.com.na>, Ronald Wolters <wolters@iway.na>, Matti Amukwa <matti@empirefishing.com.na></p>	<p>This email was noted.</p> <p>Jason Burgess, Ricky de Castro, Ronald Wolters and Matti Amukwa were already registered on the project database and notified of the Draft EIA Report review and comment period. The remainder have been added to the I&AP database (see Appendix 5.1 of the Final EIA Report and ESMP).</p>