



# forestry, fisheries & the environment

Department:  
Forestry, Fisheries and the Environment  
REPUBLIC OF SOUTH AFRICA

Private Bag X 447· PRETORIA ·0001· Environment House ·473 Steve Biko Road, Arcadia· PRETORIA

**DFFE Reference:** 14/12/16/3/3/1/2442

**Enquiries:** Ms Matlhodi Mogorosi

**Telephone:** (012) 399 9388 **E-mail:** [MMogorosi@dffe.gov.za](mailto:MMogorosi@dffe.gov.za)

Mr Bertus Bierman  
Lebalelo Water User Association  
PO Box 2075  
**POLOKWANE**  
0700

Telephone Number: (012) 348 4654  
Email Address: [bierman@lebalelo.co.za](mailto:bierman@lebalelo.co.za)

## PER EMAIL / MAIL

Dear Mr Bierman

**APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, ACT NO. 107 OF 1998, AS AMENDED: FOR THE CONSTRUCTION OF THE NEW LEBALELO WATER USER ASSOCIATION SOUTHERN EXTENSION 2 (SE2) RAW WATER PIPELINE AND ASSOCIATED INFRASTRUCTURE BETWEEN THE SPITSKOP PUMP STATION AND THE MOTOTOLO MINE NEAR STEELPOORT, WITHIN THE FETAKGOMO TUBATSE LOCAL MUNICIPALITY, LIMPOPO PROVINCE**

With reference to the above application, please be advised that the Department has decided to grant authorisation. The Environmental Authorisation (EA) and reasons for the decision are attached herewith.

In terms of Regulation 4(2) of the Environmental Impact Assessment Regulations, 2014, as amended (the EIA Regulations), you are instructed to notify all registered interested and affected parties of the decision, in writing and within 14 (fourteen) days of the date of the decision, as well as the provisions regarding the submission of appeals that are contained in the Regulations.

In terms of the Promotion of Administrative Justice Act, Act No. 3 of 2000, you are entitled to the right to fair, lawful and reasonable administrative action; and to written reasons for administrative action that affects you negatively. Further your attention is drawn to the provisions of the Protection of Personal Information Act, Act No. 4 of 2013 which stipulate that the Department should conduct itself in a responsible manner when collecting, processing, storing and sharing an individual or another entity's personal information by holding the Department accountable should the Department abuse or compromise your personal information in any way.

Your attention is drawn to Chapter 2 of National Environmental Management Act, Act No. 107 of 1998 National Appeal Regulations published under Government Notice R993 in Government Gazette No. 38303 dated 08 December 2014 (National Appeal Regulations, 2014), which prescribes the appeal procedure to be followed. Kindly include a copy of this document (National Appeal Regulations, 2014) with the letter of notification to interested and affected parties in this matter.

Should any person wish to lodge an appeal against this decision, he/she must submit the appeal to the appeal administrator, and a copy of the appeal to the applicant, any registered interested and affected party, and any organ of state with interest in the matter within 20 days from the date that the notification of the decision was sent to the registered interested and affected parties by the applicant; or the date that the notification of the decision was sent to the applicant by the Department, whichever is applicable.

**Appeals must be submitted in writing in the prescribed form to:**

The Director: Appeals and Legal Review of this Department at the below mentioned addresses.

By email: [appeals@dfre.gov.za](mailto:appeals@dfre.gov.za);

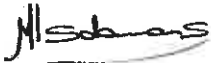
By hand: Environment House  
473 Steve Biko  
Arcadia  
Pretoria  
0083; or

By post: Private Bag X447  
Pretoria  
0001

Please note that in terms of Section 43(7) of the National Environmental Management Act, Act No. 107 of 1998, as amended, the lodging of an appeal will suspend the environmental authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged, you may not commence with the activity until such time that the appeal is finalised.

To obtain the prescribed appeal form and for guidance on the submission of appeals, please visit the Department's website at [https://www.environment.gov.za/documents/forms#legal\\_authorisations](https://www.environment.gov.za/documents/forms#legal_authorisations) or request a copy of the documents at [appeals@dfre.gov.za](mailto:appeals@dfre.gov.za).

Yours faithfully



**Ms Millicent Solomons**  
**Acting Chief Director: Integrated Environmental Authorisations**  
**Department of Forestry, Fisheries and the Environment**  
Date: 28/04/2022.

cc:	Ms Suzanne van Rooy	Alta van Dyk Environmental Consultants cc	Email: <a href="mailto:suzanne@avde.co.za">suzanne@avde.co.za</a>
	Mr Tihagala Ngoasheng	Limpopo Department of Economic Development, Environment and Tourism	Email: <a href="mailto:NgoashengTR@ledet.gov.za">NgoashengTR@ledet.gov.za</a>
	Q Moeng	Fetakgomo Tubatse Local Municipality	Email: <a href="mailto:mrmathanga@tubatse.gov.za">mrmathanga@tubatse.gov.za</a>



## forestry, fisheries & the environment

Department:  
Forestry, Fisheries and the Environment  
REPUBLIC OF SOUTH AFRICA

# Environmental Authorisation

In terms of Regulation 25 of the Environmental Impact Assessment Regulations, 2014, as amended

Construction of the new Lebalelo Water User Association Southern Extension 2 (SE2) raw water pipeline and associated infrastructure between the Spitskop Pump Station and the Mototolo Mine near Steelpoort, within the Fetakgomo Tubatse Local Municipality, Limpopo Province

### Sekhukhune District Municipality

<b>Authorisation register number:</b>	<i>14/12/16/3/3/1/2442</i>
<b>Last amended:</b>	<i>First issue</i>
<b>Holder of authorisation:</b>	<i>Lebalelo Water User Association</i>
<b>Location of activity:</b>	<i>Fetakgomo Tubatse Local Municipality; Sekhukhune District Municipality; Limpopo Province.</i>

This authorisation does not negate the holder of the authorisation's responsibility to comply with any other statutory requirements that may be applicable to the undertaking of the activity.

## Decision

The Department is satisfied, on the basis of information available to it and subject to compliance with the conditions of this Environmental Authorisation, that the applicant should be authorised to undertake the activities specified below.

Non-compliance with a condition of this Environmental Authorisation may result in criminal prosecution or other actions provided for in the National Environmental Management Act, Act No. 107 of 1998, as amended and the EIA Regulations, 2014, as amended.

Details regarding the basis on which the Department reached this decision are set out in Annexure 1.

## Activities authorised

By virtue of the powers conferred on it by the National Environmental Management Act, Act No. 107 of 1998, as amended and the Environmental Impact Assessment Regulations, 2014, as amended, the Department hereby authorises –

### **LEBALELO WATER USER ASSOCIATION**

(hereafter referred to as the **holder of the authorisation**)

with the following contact details –

Mr Bertus Bierman

Lebalelo Water User Association

PO Box 2075

**POLOKWANE**

0700

Tel: (012) 348 4654

Cell: (082) 462 7379

E-mail: [bierman@lebalelo.co.za](mailto:bierman@lebalelo.co.za)

to undertake the following activities (hereafter referred to as "the activity") indicated in Listing Notice 1 and Listing Notice 3 of the EIA Regulations, 2014 as amended:

Activity number	Activity description
<p><u>Listing Notice 1, Item 9:</u>  <i>The development of infrastructure exceeding 1 000 metres in length for the bulk transportation of water or storm water-</i>  <i>(i) with an internal diameter of 0,36 metres or more.</i></p>	<p>The development of the SE2 raw water pipeline between Spitskop Pump Station and Dwarsrivier Pump Station is 15km in length with an internal diameter of 500mm (0.5m), and therefore triggers this activity.</p>
<p><u>Listing Notice 1, Item 19:</u>  <i>The infilling or depositing of any material of more than 10 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 cubic metres from a watercourse.</i></p>	<p>The proposed SE2 raw water pipeline crosses several watercourses and earthworks will be required within these watercourses to construct the proposed pipeline.</p>
<p><u>Listing Notice 1, Item 27:</u>  <i>The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation</i></p>	<p>Clearance of indigenous vegetation will take place for the proposed SE2 pipeline, but as it is a linear activity, this listed activity does not apply. However, the following areas will also be cleared:                  Solar panels (0.5ha) New Spitskop Pump Station                  (0.16ha) New reservoir at Dwarsrivier Pump Station                  (0.53ha) New Dwarsrivier Pump Station                  (0.2ha) The cumulative clearance of indigenous vegetation is more than 1ha.</p>
<p><u>Listing Notice 3, Item 2:</u>  <i>The development of reservoirs, excluding dams, with a capacity of more than 250 cubic metres</i>                  e. <u>Limpopo</u>                  ii. Outside urban areas:                  (dd) <i>Critical biodiversity areas as identified in systematic biodiversity plans adopted by the</i></p>	<p>A concrete reservoir with a capacity of 10Mℓ will be developed outside an urban area, within an Ecological Support Area as per the Limpopo Conservation Plan, Version 2 (LCPv2).</p>

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<p><i>competent authority or in bioregional plans;</i></p>	
<p><u>Listing Notice 3, Item 12:</u>  <i>The clearance of an area of 300 square metres or more of indigenous vegetation;</i>                  e. <u>Limpopo</u>                  ii. <i>Within critical biodiversity areas identified in bioregional plans.</i></p>	<p>The proposed SE2 pipeline and associated infrastructure will require the clearing of more than 300m<sup>2</sup> of indigenous vegetation, within in areas listed as Critical Biodiversity areas and Ecological support areas as per the LCPv2. The project area overlaps predominantly within an ecosystem that is listed as Least Concern, with a portion of the northern extent of the SE2 pipeline located in and endangered ecosystem.</p>
<p><u>Listing Notice 3, Item 14:</u>  <i>The development of-</i>                  (ii)<i>infrastructure or structures with a physical footprint of 10 square metres or more;</i>  <i>where such development occurs-</i>                  (a) <i>within a watercourse;</i>                  e. <u>Limpopo</u>                  i. <i>Outside urban areas:</i>                  (bb) <i>National Protected Area Expansion Strategy Focus areas;</i>                  (ff) <i>Critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plan adopted by the competent authority or in bioregional plans;</i></p>	<p>The proposed SE2 pipeline crosses watercourses outside an urban area, within areas considered as Priority Focus Areas as per the National Protected Area Expansion Strategy and areas listed as Critical Biodiversity areas and Ecological support areas as per the LCPv2.</p>

as described in the Basic Assessment Report (BAR) dated February 2022 at:

Approximate coordinates SE2 pipeline: Spitskop Pump Station to Dwarsrivier Pump Station reservoir:

Bend point coordinates for SE2 pipeline from new Spitskop Pump Station to new Dwarsrivier Pump Station reservoir		
Point Name	Latitude	Longitude
1	24°48'37.63" S	30°7'17.09" E
2	24°48'37.95" S	30°7'16.63" E
3	24°48'38.41" S	30°7'15.96" E
4	24°48'37.35" S	30°7'15.08" E
5	24°48'36.56" S	30°7'14.41" E
6	24°48'36.52" S	30°7'14.47" E
7	24°48'36.17" S	30°7'14.97" E
8	24°48'35.8" S	30°7'14.92" E
9	24°48'35.8" S	30°7'14.92" E
10	24°48'35.63" S	30°7'15.17" E
11	24°48'34.82" S	30°7'15.54" E
12	24°48'31.81" S	30°7'19.93" E
13	24°48'31.86" S	30°7'20.38" E
14	24°48'34.41" S	30°7'22.56" E
15	24°48'36.28" S	30°7'24.17" E
16	24°48'38.17" S	30°7'24.35" E
17	24°48'44.23" S	30°7'24.94" E
18	24°48'47.16" S	30°7'25.22" E
19	24°48'47.64" S	30°7'25.59" E
20	24°48'48.85" S	30°7'25.7" E
21	24°48'49.38" S	30°7'25.43" E
22	24°48'50.83" S	30°7'25.57" E
23	24°48'53.09" S	30°7'25.79" E
24	24°48'55.88" S	30°7'26.09" E
25	24°48'56.82" S	30°7'26.19" E
26	24°48'58.7" S	30°7'26.38" E
27	24°49'2.17" S	30°7'26.74" E
28	24°49'2.84" S	30°7'26.81" E
29	24°49'4.24" S	30°7'26.96" E
30	24°49'5.76" S	30°7'27.12" E
31	24°49'6.98" S	30°7'27.24" E
32	24°49'8.93" S	30°7'27.45" E
33	24°49'10.98" S	30°7'27.66" E
34	24°49'14.14" S	30°7'27.99" E
35	24°49'16.07" S	30°7'28.19" E
36	24°49'16.45" S	30°7'28.12" E
37	24°49'16.56" S	30°7'28.13" E
38	24°49'17.08" S	30°7'28.19" E

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Bend point coordinates for SE2 pipeline from new Spitskop Pump Station to new Dwarsrivier Pump Station reservoir		
Point Name	Latitude	Longitude
39	24°49'17.19" S	30°7'28.2" E
40	24°49'17.54" S	30°7'28.34" E
41	24°49'28.82" S	30°7'29.52" E
42	24°49'31.28" S	30°7'29.78" E
43	24°49'39.72" S	30°7'30.67" E
44	24°49'41.12" S	30°7'30.81" E
45	24°49'41.42" S	30°7'30.21" E
46	24°49'42.03" S	30°7'28.96" E
47	24°49'42.69" S	30°7'27.6" E
48	24°49'42.82" S	30°7'27.33" E
49	24°49'43.27" S	30°7'27.25" E
50	24°49'45.32" S	30°7'26.91" E
51	24°49'49.31" S	30°7'26.24" E
52	24°49'50.58" S	30°7'26.03" E
53	24°49'51.66" S	30°7'25.85" E
54	24°49'52.92" S	30°7'25.64" E
55	24°49'54.63" S	30°7'25.35" E
56	24°49'56.41" S	30°7'24.98" E
57	24°49'57.71" S	30°7'24.7" E
58	24°50'2.57" S	30°7'23.68" E
59	24°50'6.11" S	30°7'22.94" E
60	24°50'10.19" S	30°7'22.08" E
61	24°50'16.51" S	30°7'20.76" E
62	24°50'17.75" S	30°7'20.5" E
63	24°50'18.33" S	30°7'20.38" E
64	24°50'18.98" S	30°7'20.24" E
65	24°50'19.4" S	30°7'20.15" E
66	24°50'20.77" S	30°7'19.86" E
67	24°50'22.4" S	30°7'18.32" E
68	24°50'23.59" S	30°7'18.04" E
69	24°50'25.78" S	30°7'18.81" E
70	24°50'27.95" S	30°7'18.36" E
71	24°50'30.32" S	30°7'17.86" E
72	24°50'32.63" S	30°7'17.37" E
73	24°50'37.77" S	30°7'16.3" E
74	24°50'47.57" S	30°7'14.24" E
75	24°50'56.97" S	30°7'12.26" E
76	24°51'0.11" S	30°7'11.6" E
77	24°51'5.42" S	30°7'10.49" E
78	24°51'9.75" S	30°7'9.58" E
79	24°51'13.5" S	30°7'8.79" E
80	24°51'16.83" S	30°7'8.1" E

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Bend point coordinates for SE2 pipeline from new Spitskop Pump Station to new Dwarsrivier Pump Station reservoir		
Point Name	Latitude	Longitude
81	24°51'18.09" S	30°7'7.83" E
82	24°51'18.84" S	30°7'7.67" E
83	24°51'23.32" S	30°7'6.93"E
84	24°51'26.26" S	30°7'6.44"
85	24°51'38.21" S	30°7'5.92"
86	24°51'43.42" S	30°7'5.7"
87	24°51'46.48" S	30°7'5.57"
88	24°51'47.03" S	30°7'5.55"
89	24°51'48.3" S	30°7'5.49"
90	24°51'48.83" S	30°7'5.47"
91	24°51'50.37" S	30°7'5.42"
92	24°51'55.42" S	30°7'5.25"
93	24°52'2.52" S	30°7'5"
94	24°52'2.54" S	30°7'5"
95	24°52'6.67" S	30°7'4.88"
96	24°52'9.84" S	30°7'4.82"
97	24°52'17.52" S	30°7'4.66"
98	24°52'20.96" S	30°7'4.59"
99	24°52'24.08" S	30°7'4.53"
100	24°52'24.48" S	30°7'4.52"
101	24°52'27.87" S	30°7'4.43"
102	24°52'28.89" S	30°7'4.39"
103	24°52'31.81" S	30°7'4.29"
104	24°52'36.38" S	30°7'4.13"
105	24°52'39.02" S	30°7'4.03"
106	24°52'39.41" S	30°7'4.02"
107	24°52'41.18" S	30°7'3.95"
108	24°52'43.42" S	30°7'3.86"
109	24°52'45.71" S	30°7'3.78"
110	24°52'46.11" S	30°7'3.78"
111	24°52'46.28" S	30°7'3.78"
112	24°52'54.12" S	30°7'3.54"
113	24°52'56.2" S	30°7'3.48"
114	24°52'56.53" S	30°7'3.47"
115	24°52'56.88" S	30°7'3.46"
116	24°52'57.6" S	30°7'3.44"
117	24°52'58.22" S	30°7'3.41"
118	24°52'59.55" S	30°7'3.37"
119	24°53'2.02" S	30°7'3.3"
120	24°53'4.61" S	30°7'3.24"
121	24°53'6.35" S	30°7'3.19"
122	24°53'8.74" S	30°7'3.13"

MS.

Bend point coordinates for SE2 pipeline from new Spitskop Pump Station to new Dwarsrivier Pump Station reservoir		
Point Name	Latitude	Longitude
123	24°53'10.06" S	30°7'3.1"
124	24°53'10.64" S	30°7'3.08"
125	24°53'11.08" S	30°7'3.07" E
126	24°53'11.63" S	30°7'3.06" E
127	24°53'12.07" S	30°7'3.04" E
128	24°53'13.1" S	30°7'3.02" E
129	24°53'13.66" S	30°7'3" E
130	24°53'14.83" S	30°7'2.97" E
131	24°53'15.19" S	30°7'2.96" E
132	24°53'16.32" S	30°7'2.94" E
133	24°53'16.96" S	30°7'2.92" E
134	24°53'18" S	30°7'2.89" E
135	24°53'20.86 S"	30°7'2.82" E
136	24°53'30.32" S	30°7'2.58" E
137	24°53'35.44" S	30°7'2.44" E
138	24°53'36.07" S	30°7'2.43" E
139	24°53'43.66" S	30°7'1.08" E
140	24°53'46.59" S	30°7'0.45" E
141	24°53'48.25" S	30°7'0.1" E
142	24°53'49.28" S	30°6'59.83" E
143	24°53'51.26" S	30°6'59.31" E
144	24°53'52.79" S	30°6'58.9" E
145	24°53'54.58" S	30°6'58.43" E
146	24°53'55.29" S	30°6'58.24" E
147	24°53'55.97" S	30°6'58.06" E
148	24°53'57.52" S	30°6'57.65" E
149	24°53'59.91" S	30°6'57.02" E
150	24°54'2.45" S	30°6'56.35" E
151	24°54'7.56" S	30°6'54.99" E
152	24°54'25.62" S	30°6'50.22" E
153	24°54'33.47" S	30°6'48.14" E
154	24°54'33.67" S	30°6'48.09" E
155	24°54'36.67" S	30°6'46.54" E
156	24°54'37.45" S	30°6'46.14" E
157	24°54'37.93" S	30°6'45.81" E
158	24°54'40.33" S	30°6'44.14" E
159	24°54'41.15" S	30°6'43.32" E
160	24°54'41.87" S	30°6'42.6" E
161	24°54'44.1" S	30°6'40.37" E
162	24°54'44.76" S	30°6'39.71" E
163	24°54'44.83" S	30°6'37.72" E
164	24°54'46.47" S	30°6'35.99" E

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Bend point coordinates for SE2 pipeline from new Spitskop Pump Station to new Dwarsrivier Pump Station reservoir		
Point Name	Latitude	Longitude
165	24°54'46.68" S	30°6'36.01" E
166	24°54'48.51" S	30°6'36.19" E
167	24°54'50.03" S	30°6'33.92" E
168	24°54'51.04" S	30°6'32.41" E
169	24°54'51.92" S	30°6'31.1" E
170	24°54'52.02" S	30°6'30.94" E
171	24°54'52.82" S	30°6'29.63" E
172	24°54'54.33" S	30°6'27.14" E
173	24°54'54.39" S	30°6'27.04" E
174	24°54'58.27" S	30°6'26.18" E
175	24°55'4.96" S	30°6'24.71" E
176	24°55'9.88" S	30°6'23.63" E
177	24°55'18.84" S	30°6'21.67" E
178	24°55'19.49" S	30°6'21.52" E
179	24°55'26.14" S	30°6'20.27" E
180	24°55'26.92" S	30°6'20.12" E
181	24°55'30.2" S	30°6'19.5" E
182	24°55'32.98" S	30°6'18.98" E
183	24°55'33.11" S	30°6'18.95" E
184	24°55'33.22" S	30°6'18.93" E
185	24°55'34.28" S	30°6'18.71" E
186	24°55'35.58" S	30°6'18.44" E
187	24°55'38.79" S	30°6'17.78" E
188	24°55'49.29" S	30°6'15.62" E
189	24°55'51.49" S	30°6'15.17" E
190	24°55'52.89" S	30°6'14.88" E
191	24°55'59.3" S	30°6'13.57" E
192	24°56'7.57" S	30°6'11.89" E
193	24°56'9.52" S	30°6'11.04" E
194	24°56'10.19" S	30°6'11.05" E
195	24°56'18.36" S	30°6'7.52" E
196	24°56'19.05" S	30°6'7.22" E
197	24°56'21.99" S	30°6'5.95" E
198	24°56'23.25" S	30°6'9.12" E
199	24°56'22.65" S	30°6'11.22" E
200	24°56'22.3" S	30°6'12.45" E
201	24°56'21.65" S	30°6'14.69" E
202	24°56'20.41" S	30°6'15.82" E
203	24°56'20.39" S	30°6'15.84" E
204	24°56'20.1" S	30°6'16.01" E
205	24°56'19.48" S	30°6'16.56" E
206	24°56'19.46" S	30°6'16.59" E

Bend point coordinates for SE2 pipeline from new Spitskop Pump Station to new Dwarsrivier Pump Station reservoir		
Point Name	Latitude	Longitude
207	24°56'19.47" S	30°6'16.62" E
208	24°56'19.48" S	30°6'16.74" E
209	24°56'19.5" S	30°6'16.82" E
210	24°56'19.51" S	30°6'16.88" E
211	24°56'19.63" S	30°6'17.59" E
212	24°56'19.63" S	30°6'17.59" E
213	24°56'19.62" S	30°6'17.63" E

Approximate coordinates SE2 pipeline: new Dwarsrivier Pump Station to Mototolo Mine:

Bend point coordinates for SE2 pipeline from new Dwarsrivier Pump Station to Mototolo Mine		
Point Name	Latitude	Longitude
1	24°56'23.82" S	30°6'3.94" E
2	24°56'24.09" S	30°6'4.66" E
3	24°56'27.14" S	30°6'3.35" E
4	24°56'30.91" S	30°6'1.74" E
5	24°56'31.63" S	30°6'1.43" E
6	24°56'32.2" S	30°6'1.18" E
7	24°56'33.93" S	30°6'1.02" E
8	24°56'39.03" S	30°6'0.52" E
9	24°56'40.32" S	30°6'0.4" E
10	24°56'42.21" S	30°5'59.98" E
11	24°56'43.48" S	30°5'59.7" E
12	24°56'43.79" S	30°5'59.63" E
13	24°56'44.66" S	30°5'59.61" E
14	24°56'46.74" S	30°5'59.57" E
15	24°56'47.76" S	30°5'59.54" E
16	24°56'50.27" S	30°5'59.49" E
17	24°56'51.43" S	30°5'59.46" E
18	24°56'52" S	30°5'59.4" E
19	24°56'58.09" S	30°5'58.78" E
20	24°57'3.11" S	30°5'58.26" E
21	24°57'6.43" S	30°5'57.74" E
22	24°57'7.52" S	30°5'57.57" E
23	24°57'9" S	30°5'57.16" E
24	24°57'10.17" S	30°5'56.85" E
25	24°57'11.08" S	30°5'56.6" E
26	24°57'13.55" S	30°5'55.93" E
27	24°57'17.51" S	30°5'54.86" E
28	24°57'19.5" S	30°5'54.32" E
29	24°57'21.12" S	30°5'53.88" E
30	24°57'22.11" S	30°5'53.61" E
31	24°57'23.81" S	30°5'53.15" E

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Bend point coordinates for SE2 pipeline from new Dwarsrivier Pump Station to Motololo Mine		
32	24°57'24.81" S	30°5'52.88" E
33	24°57'26.31" S	30°5'52.47" E
34	24°57'27.73" S	30°5'52.09" E
35	24°57'30.88" S	30°5'55" E
36	24°57'32.06" S	30°5'56.09" E
37	24°57'35.29" S	30°5'59.08" E
38	24°57'36.08" S	30°5'59.81" E
39	24°57'39.19" S	30°6'2.68" E
40	24°57'40.11" S	30°6'3.54" E
41	24°57'41.01" S	30°6'4.37" E
42	24°57'42.49" S	30°6'5.73" E
43	24°57'43.13" S	30°6'6.32" E
44	24°57'44.78" S	30°6'7.85" E
45	24°57'45.54" S	30°6'8.55" E
46	24°57'47.62" S	30°6'10.47" E
47	24°57'49.75" S	30°6'11.27" E
48	24°57'51.51" S	30°6'11.93" E
49	24°57'52.12" S	30°6'12.16" E
50	24°57'52.75" S	30°6'12.4" E
51	24°57'54.14" S	30°6'12.92" E
52	24°57'55.35" S	30°6'13.37" E
53	24°57'57.24" S	30°6'14.08" E
54	24°57'57.89" S	30°6'14.33" E
55	24°57'58.78" S	30°6'14.66" E
56	24°57'59.87" S	30°6'15.07" E
57	24°58'0.74" S	30°6'15.41" E
58	24°58'4.05" S	30°6'16.69" E
59	24°58'7.99" S	30°6'18.21" E
60	24°58'9.21" S	30°6'18.68" E
61	24°58'10.43" S	30°6'19.16" E
62	24°58'10.79" S	30°6'18.88" E
63	24°58'11.36" S	30°6'18.45" E
64	24°58'12.22" S	30°6'17.79" E
65	24°58'13.88" S	30°6'16.52" E
66	24°58'14.64" S	30°6'15.93" E
67	24°58'15.8" S	30°6'15.04" E
68	24°58'16.05" S	30°6'14.85" E
69	24°58'16.35" S	30°6'14.62" E
70	24°58'16.83" S	30°6'14.83" E
71	24°58'17.09" S	30°6'14.95" E
72	24°58'18.63" S	30°6'15.63" E
73	24°58'20.94" S	30°6'16.66" E
74	24°58'22.2" S	30°6'17.08" E
75	24°58'23.03" S	30°6'17.35" E

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Bend point coordinates for SE2 pipeline from new Dwarsrivier Pump Station to Mototolo Mine		
76	24°58'23.51" S	30°6'18.21" E
77	24°58'24.48" S	30°6'19.09" E
78	24°58'28.31" S	30°6'20.58" E
79	24°58'29.80" S	30°6'18.98" E
80	24°58'30.32" S	30°6'19.56" E
81	24°58'30.53" S	30°6'19.55" E
82	24°58'31.37" S	30°6'20.25" E
83	24°58'33.63" S	30°6'20.81" E
84	24°58'35.61" S	30°6'21.99" E
85	24°58'35.91" S	30°6'22.66" E
86	24°58'36.27" S	30°6'23.93" E
87	24°58'40.94" S	30°6'27.05" E
88	24°58'41.80" S	30°6'28.09" E
89	24°58'45.70" S	30°6'30.94" E
90	24°59'1.18" S	30°6'39.32" E
91	24°59'7.67" S	30°6'41.04" E
92	24°59'17.10" S	30°6'33.98" E
93	24°59'26.01" S	30°6'36.95" E
94	24°59'36.51" S	30°6'41.30" E
95	25°0'2.57" S	30°6'45.24" E
96	25°0'10.82" S	30°6'42.70" E
97	25°0'29.02" S	30°6'40.30" E
98	25°0'33.13" S	30°6'41.71" E
99	25°0'31.97" S	30°6'45.14" E
100	25°0'32.80" S	30°6'45.48" E
101	25°0'33.08" S	30°6'46.16" E

Additional site coordinates:

	Latitude	Longitude
New Spitskop Pump Station	24°48'36.25" S	30°7'14.65" E
New Dwarsrivier Pump Station	24°56'23.18" S	30°6'2.78" E
Reservoir	24°56'19.26" S	30°6'18.66" E

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SG21 codes of properties along the pipeline route:

Activity	Property	Property portion	Registered landowner (Windeed)	SG21 number
SE2 Pipeline	Dwarsrivier 372 KT	Remaining Extent	Assmang Pty Limited	T0KT00000000037200000
	Dwarsrivier 372 KT	Portion 1	Dwarsrivier Chrome Mine Pty Ltd	T0KT00000000037200001
	Dwarsrivier 372 KT	Portion 6	Two Rivers Platinum (Pty) Ltd	T0KT00000000037200006
	Dwarsrivier 372 KT	Portion 7	Glencore Operations South Africa Pty Ltd	T0KT00000000037200007
	Helena 6 JT	Remaining extent	Rustenburg Platinum Mines Ltd	T0JT0000000000600000
	Kennedy's Vale 361 KT	Portion 12	Karel Petrus Joubert	T0KT00000000036100012
	Kennedy's Vale 361 KT	Portion 30	BCR Minerals Pty Ltd	T0KT00000000036100030
	Spitskop 333 KT	Portion 20	Baobab Supplies Pty Ltd	T0KT00000000033300020
	Thorncliffe 374 KT	Portion 1	Does not exist (as per Windeed)	T0KT00000000037400001
	Thorncliffe 374 KT	Portion 3	Glencore Operations SA (Pty) Ltd	T0KT00000000037400003
	Thorncliffe 374 KT	Portion 7	Glencore Operations SA (Pty) Ltd	T0KT00000000037400007
	Tweefontein 360 KT	Portion 1	Samancor Chrome Ltd	T0KT00000000036000001
	Tweefontein 360 KT	Portion 2	Jan Joubert Trust	T0KT00000000036000002
	Tweefontein 360 KT	Portion 3	Samancor Chrome Ltd	T0KT00000000036000003
	Tweefontein 360 KT	Portion 4	Samancor Chrome Ltd	T0KT00000000036000004
	Tweefontein 360 KT	Portion 6	Samancor Chrome Ltd	T0KT00000000036000006
	Tweefontein 360 KT	Portion 7	Rhodium Reefs Ltd	T0KT00000000036000007
	Tweefontein 360 KT	Portion 9	Samancor Chrome Ltd	T0KT00000000036000009
	Tweefontein 360 KT	Portion 10	Does not exist (as per Windeed)	T0KT00000000036000010

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Activity	Property	Property portion	Registered landowner (Windeed)	SG21 number
	Steelpoort Ext 11	1216	Glencore Operations South Africa Pty Ltd	TOKT00100000121600000
	Steelpoort Ext 11	1218	Glencore Operations South Africa Pty Ltd	TOKT00100000121800000
	Steelpoort Ext 11	1221	Glencore Operations South Africa Pty Ltd	TOKT00100000122100000
	Steelpoort Ext 10		Kadoma Inv Pty Ltd (Industrial Park)	
New Spitskop Pump Station	Steelpoort Ext 11	1216	Glencore Operations South Africa Pty Ltd	TOKT00100000121600000
Solar Panels	Steelpoort Ext 11	1216	Glencore Operations South Africa Pty Ltd	TOKT00100000121600000
New Dwarsrivier Pump Station	Dwarsrivier 372 KT	Portion 7	Glencore Operations South Africa Pty Ltd	TOKT00000000037200007
Reservoir	Dwarsrivier 372 KT	Portion 7	Glencore Operations South Africa Pty Ltd	TOKT00000000037200007

Location of pipeline watercourses crossings:

ID	Coordinates		Water resource type
	Latitude	Longitude	
C1	24°50'18.58"S	30° 7'20.31"E	Ephemeral watercourse
C2	24°50'40.74"S	30° 7'15.67"E	Drainage Feature
C3	24°50'53.36"S	30° 7'13.03"E	Drainage Feature
C4	24°51'45.19"S	30° 7'5.63"E	Drainage Feature
C5	24°51'47.91"S	30° 7'5.51"E	Ephemeral watercourse
C6	24°52'57.00"S	30° 7'3.46"E	Ephemeral watercourse
C7	24°54'37.18"S	30° 6'46.29"E	Drainage Feature
C8	24°55'23.18"S	30° 6'20.92"E	HGM 1 – Unchannelled Valley Bottom
C9	24°56'45.07"S	30° 5'59.60"E	Drainage Feature
C10	24°57'23.21"S	30° 5'53.34"E	Drainage Feature
C11	24°57'26.51"S	30° 5'52.44"E	Drainage Feature
C12	24°57'48.22"S	30° 6'10.68"E	Drainage Feature
C13	24°57'50.73"S	30° 6'11.64"E	Drainage Feature
C14	24°57'51.39"S	30° 6'11.87"E	Drainage Feature
C15	24°57'51.87"S	30° 6'12.06"E	Drainage Feature



ID	Coordinates		Water resource type
	Latitude	Longitude	
C16	24°57'53.54"S	30° 6'12.69"E	Drainage Feature
C17	24°57'55.73"S	30° 6'13.51"E	Drainage Feature
C18	24°57'57.54"S	30° 6'14.20"E	Drainage Feature
C19	24°58'1.68"S	30° 6'15.75"E	HGM 3 - Unchannelled Valley Bottom
C20	24°58'3.40"S	30° 6'16.44"E	HGM 3 - Unchannelled Valley Bottom
C21	24°58'29.49"S	30° 6'19.27"E	HGM 2 - Channelled Valley Bottom
C22	24°58'43.86"S	30° 6'29.61"E	Drainage Feature
C23	24°58'43.99"S	30° 6'29.71"E	Drainage Feature
C24	24°58'51.52"S	30° 6'34.22"E	Drainage Feature
C25	24°58'52.92"S	30° 6'34.96"E	Drainage Feature
C26	24°58'54.75"S	30° 6'35.92"E	Drainage Feature
C27	24°59'0.70"S	30° 6'39.06"E	Drainage Feature
C28	24°59'7.37"S	30° 6'40.96"E	Drainage Feature
C29	24°59'10.24"S	30° 6'39.10"E	Drainage Feature
C30	24°59'10.78"S	30° 6'38.70"E	Drainage Feature
C31	24°59'44.12"S	30° 6'42.28"E	Drainage Feature
C32	25° 0'17.53"S	30° 6'41.73"E	Ephemeral watercourse
C33	25° 0'19.02"S	30° 6'41.51"E	Drainage Feature

- for the construction of the new Lebalelo Water User Association Southern Extension 2 (SE2) raw water pipeline and associated infrastructure between the Spitskop Pump Station and the Mototolo Mine near Steelpoort, within the Fetakgomo Tubatse Local Municipality, Limpopo Province, hereafter referred to as "the property".

The development entails the construction a new raw water pipeline between the Spitskop Pump Station and Mototolo Mine, located near Steelpoort in the Limpopo Province. The new pipeline (SE2) will be constructed within the existing pipeline (SE1) servitude. The project will consist of the following components:

- New pump station at the existing Spitskop Pump Station (within fenced area of existing Spitskop Pump Station);
- Solar panels (75 x 75m) to be constructed within fenced area of existing Spitskop Pump Station. This is for a 0,5MW solar panel generation plant;

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- New 500mm pipeline 15km in length next to the existing pipeline (within the pipeline servitude) to the new Dwarsrivier Pump Station reservoir;
- New concrete reservoir to be constructed near the existing Dwarsrivier Pump Station (10Mℓ);
- New pump station at the existing Dwarsrivier Pump Station on land directly next to the existing pump station fenced off area;
- New 300mm or 350mm pipeline 9km in length next to the existing pipeline in the pipeline reserve from the new Dwarsrivier Pump Station to Mototolo Mine; and
- Valve chambers along pipeline route.

## Conditions of this Environmental Authorisation

### Scope of authorisation

1. The preferred 15km pipeline route between the Spitskop Pump Station and Dwarsrivier Pump Station reservoir and the 9km pipeline route between Dwarsrivier Pump Station and Mototolo Mine for the construction of the new Lebalelo Water User Association Southern Extension 2 (SE2) raw water pipeline, Option 2 for the new concrete Reservoir, and the associated infrastructure between the Spitskop Pump Station and the Mototolo Mine near Steelpoort, within the Fetakgomo Tubatse Local Municipality, Limpopo Province, are approved as per the geographic coordinates cited in the tables above.
2. Authorisation of the activity is subject to the conditions contained in this Environmental Authorisation, which form part of the Environmental Authorisation and are binding on the holder of the authorisation.
3. The holder of the authorisation is responsible for ensuring compliance with the conditions contained in this Environmental Authorisation. This includes any person acting on the holder's behalf, including but not limited to, an agent, servant, contractor, sub-contractor, employee, consultant or person rendering a service to the holder of the authorisation.
4. The activities authorised may only be carried out at the property as described above.
5. Any changes to, or deviations from, the project description set out in this Environmental Authorisation must be approved, in writing, by the Department before such changes or deviations may be effected. In assessing whether to grant such approval or not, the Department may request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it may be necessary for the holder of the authorisation to apply for further Environmental Authorisation in terms of the regulations.

6. The holder of an Environmental Authorisation must apply for an amendment of the Environmental Authorisation with the Competent Authority for any alienation, transfer or change of ownership rights in the property on which the activity is to take place.
7. This activity must commence within a period of ten (10) years from the date of issue of this Environmental Authorisation. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for Environmental Authorisation must be made in order for the activity to be undertaken.
8. Construction must be completed within five (05) years of the commencement of the activity on site.

#### **Notification of authorisation and right to appeal**

9. The holder of the authorisation must notify every registered interested and affected party, in writing and within 14 (fourteen) calendar days of the date of this Environmental Authorisation, of the decision to authorise the activity.
10. The notification referred to must –
  - 10.1. specify the date on which the authorisation was issued;
  - 10.2. inform the interested and affected party of the appeal procedure provided for in the National Appeal Regulations, 2014;
  - 10.3. advise the interested and affected party that a copy of the authorisation will be furnished on request; and
  - 10.4. give the reasons of the Competent Authority for the decision.

#### **Commencement of the activity**

11. The authorised activity shall not commence until the period for the submission of appeals has lapsed as per the National Appeal Regulations, 2014, and no appeal has been lodged against the decision. In terms of Section 43(7), an appeal under Section 43 of the National Environmental Management Act, Act No. 107 of 1998, as amended will suspend the Environmental Authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged you may not commence with the activity until such time that the appeal has been finalised.

### Management of the activity

12. A final site layout map of the route for the gravity outfall sewer pipeline, as determined by a detailed micro-siting or pegging, and all mitigation measures as dictated by the final site layout plan, must be submitted to the Department for approval prior to construction.
  13. A copy of the final site layout map must be made available for comments to registered Interested and Affected Parties and the holder of this environmental authorisation must consider such comments. Once amended, the final development layout map must be submitted to the Department for written approval prior to commencement of the activity. All available biodiversity information must be used in the finalisation of the layout map. Existing infrastructure must be used as far as possible e.g. roads. The layout map must indicate the following:
    - 13.1. The final position of the of both the 15km and 9km raw water pipelines within the assessed area;
    - 13.2. The final of the new concrete 10ML reservoir;
    - 13.3. The final location of the two proposed pump stations;
    - 13.4. All existing and proposed associated infrastructure associated with the development particularly along the pipeline route;
    - 13.5. Any sensitive environmental features that will be affected by the sewer pipeline; and
    - 13.6. All "no-go" and buffer areas.
  14. The Environmental Management Programme (EMPr) submitted as part of the BAR is not approved and must be amended to include measures as dictated by the final site lay-out map and micro-siting, and the provisions of this environmental authorisation. The EMPr, which must be inclusive of the final layout plan as per Conditions 12-13 above, must be made available for comments to registered Interested and Affected Parties and the holder of this environmental authorisation must consider such comments. Once amended, the final EMPr must be submitted to the Department for written approval prior to commencement of the activity. Once approved the EMPr must be implemented and adhered to.
  15. The EMPr amendment must include the following:
    - 15.1. A copy of the final layout plan as contained in Condition 13 above
    - 15.2. The requirements and conditions of this environmental authorisation;
    - 15.3. All recommendations and mitigation measures recorded in the BAR and the specialist reports as included in the BAR dated February 2022; and
    - 15.4. A re-vegetation and habitat rehabilitation plan.
  16. The EMPr must be implemented and strictly enforced during all phases of the project. It shall be seen as a dynamic document and shall be included in all contract documentation for all phases of the development when approved.
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17. Changes to the approved EMPr must be submitted in accordance with the EIA Regulations applicable at the time.
18. The Department reserves the right to amend the approved EMPr should any impacts that were not anticipated or covered in the BAR be discovered.

### **Frequency and process of updating the EMPr**

19. The EMPr must be updated where the findings of the environmental audit reports, contemplated in Condition 26 below, indicate insufficient mitigation of environmental impacts associated with the undertaking of the activity, or insufficient levels of compliance with the environmental authorisation or EMPr.
20. The updated EMPr must contain recommendations to rectify the shortcomings identified in the environmental audit report.
21. The updated EMPr must be submitted to the Department for approval together with the environmental audit report, as per Regulation 34 of the EIA Regulations, 2014 as amended. The updated EMPr must have been subjected to a public participation process, which process has been agreed to by the Department, prior to submission of the updated EMPr to the Department for approval.
22. In assessing whether to grant approval of an EMPr which has been updated as a result of an audit, the Department will consider the processes prescribed in Regulation 35 of the EIA Regulations, 2014 as amended. Prior to approving an amended EMPr, the Department may request such amendments to the EMPr as it deems appropriate to ensure that the EMPr sufficiently provides for avoidance, management and mitigation of environmental impacts associated with the undertaking of the activity.
23. The holder of the authorisation must apply for an amendment of an EMPr, if such amendment is required before an audit is required. The amendment process is prescribed in Regulation 37 of the EIA Regulations, 2014, as amended. The holder of the authorisation must request comments on the proposed amendments to the impact management outcomes of the EMPr or amendments to the closure objectives of the closure plan from potentially interested and affected parties, including the competent authority, by using any of the methods provided for in the Act for a period of at least 30 days.

### **Monitoring**

24. The holder of the authorisation must appoint an experienced Environmental Control Officer (ECO) for the construction phase of the development that will have the responsibility to ensure that the

mitigation/rehabilitation measures and recommendations referred to in this environmental authorisation are implemented and to ensure compliance with the provisions of the approved EMPr.

- 24.1. The ECO must be appointed before commencement of any authorised activities.
- 24.2. Once appointed, the name and contact details of the ECO must be submitted to the *Director: Compliance Monitoring* of the Department.
- 24.3. The ECO must keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.
- 24.4. The ECO must remain employed until all rehabilitation measures, as required for implementation due to construction damage, are completed and the site is ready for operation.

#### **Recording and reporting to the Department**

25. All documentation e.g. audit/monitoring/compliance reports and notifications, required to be submitted to the Department in terms of this environmental authorisation, must be submitted to the *Director: Compliance Monitoring* of the Department.
26. The holder of the environmental authorisation must, for the period during which the environmental authorisation and EMPr remain valid, ensure that project compliance with the conditions of the environmental authorisation and the EMPr are audited, and that the audit reports are submitted to the *Director: Compliance Monitoring* of the Department.
27. The frequency of auditing and of submission of the environmental audit reports must be monthly, taking into account the processes for such auditing as prescribed in Regulation 34 of the EIA Regulations, 2014 as amended.
28. The holder of the authorisation must, in addition, submit environmental audit reports to the Department within 30 days of completion of the construction phase (i.e., within 30 days of site handover) and a final environmental audit report within 30 days of completion of rehabilitation activities.
29. The environmental audit reports must be compiled in accordance with Appendix 7 of the EIA Regulations, 2014 as amended and must indicate the date of the audit, the name of the auditor and the outcome of the audit in terms of compliance with the environmental authorisation conditions as well as the requirements of the approved EMPr.
30. Records relating to monitoring and auditing must be kept on site and made available for inspection to any relevant and competent authority in respect of this development.

### **Notification to authorities**

31. A written notification of commencement must be given to the Department no later than fourteen (14) days prior to the commencement of the activity. The notice must include a date on which it is anticipated that the activity will commence, as well as a reference number.

### **Operation of the activity**

32. A written notification of operation must be given to the Department no later than fourteen (14) days prior to the commencement of the activity operational phase.

### **Site closure and decommissioning**

33. Should the activity ever cease or become redundant, the holder of the authorisation must undertake the required actions as prescribed by legislation at the time and comply with all relevant legal requirements administered by any relevant and Competent Authority at that time.

### **Specific conditions**

34. No activities, which require a water use authorisation, must be allowed to encroach into a water resource without a water use authorisation being in place from the Department of Water and Sanitation.
35. The micro-siting/pegging of the route for the Lebalelo raw water pipeline must be undertaken prior to commencement with construction activities. This final walk-through of the pipeline route must be undertaken by a botanical specialist to identify any protected and endangered plants and trees for a search and rescue operation. The findings of this undertaking must inform the final layout plan per conditions 12 and 13 above.
36. Where the pipeline is planned to be buried all topsoil must be separated from subsoil and stored separately, when backfilled the soil should be replaced the correct order.
37. High visibility flags must be placed near any threatened/protected plants in order to avoid any damage or destruction of the species.
38. A permit must be obtained from the relevant nature conservation agency for the removal or destruction of indigenous, protected or endangered plant or animal species.
39. No exotic plants may be used for rehabilitation purposes. Only indigenous plants of the area may be utilised.

40. If it is not possible to avoid Site LWUA 4, a permit in terms of section 35(4) of the National Heritage Resource Act (NHRA) must be applied from South African Heritage Resource Agency (SAHRA) prior to the commencement of construction activities.
41. Monitoring reports must be submitted to SAHRA once the construction phase has been completed.
42. Identified Burial sites (LWUA 1,2,3) must be cleared of vegetation to establish the boundaries of the sites as the possibility of unmarked graves exists.
43. Should any heritage resources, including evidence of graves and human burials, archaeological material and paleontological material be discovered during the execution of the activities, all works must be stopped immediately, and the SAHRA Burial Grounds and Graves (BGG) Unit must be alerted immediately as per section 36(6) of the NHRA.
44. Should any evidence of archaeological sites or remains (e.g. remnants of stone-made structures, indigenous ceramics, bones, stone artefacts, ostrich eggshell fragments, charcoal and ash concentrations), fossils or other categories of heritage resources are found during the proposed development, all works must be stopped immediately and the South African Heritage Resources Agency SAHRA must be alerted immediately.
45. Construction must include design measures that allow surface and subsurface movement of water along drainage lines so as not to impede natural surface and subsurface flows. Drainage measures must promote the dissipation of storm water run-off.
46. An integrated waste management approach must be implemented that is based on waste minimisation and must incorporate reduction, recycling, re-use and disposal where appropriate. Any solid waste must be disposed of at a landfill licensed in terms of Section 20 (b) of the National Environment Management Waste Act, 2008 (Act No.59 of 2008).

### **General**

47. A copy of this Environmental Authorisation, the audit and compliance monitoring reports, and the approved EMPr, must be made available for inspection and copying-
  - 47.1. at the site of the authorised activity;
  - 47.2. to anyone on request; and
  - 47.3. where the holder of the Environmental Authorisation has a website, on such publicly accessible website.
48. National government, provincial government, local authorities or committees appointed in terms of the conditions of this authorisation or any other public authority shall not be held responsible for any damages or losses suffered by the holder of the authorisation or his/her successor in title in any instance where construction or operation subsequent to construction be temporarily or permanently stopped for reasons of



non-compliance by the holder of the authorisation with the conditions of authorisation as set out in this document or any other subsequent document emanating from these conditions of authorisation.

Date of Environmental Authorisation: 28/04/2022.



Ms Milicent Solomons

Acting Chief Director: Integrated Environmental Authorisations

Department of Forestry, Fisheries and the Environment

## Annexure 1: Reasons for Decision

### 1. Information considered in making the decision

In reaching its decision, the Department took, *inter alia*, the following into consideration -

- a) The listed activities as applied for in the application form received on 19 October 2021.
- b) The information contained in the BAR dated February 2022.
- c) The comments received from the Department of Water & Sanitation, the Department of Forestry, Fisheries & the Environment (DFFE): Forestry Regulation Support, the South African Heritage Resources Agency (SAHRA), DFFE: Directorate: Biodiversity Conservation and interested and affected parties as included in the BAR dated February 2022.
- d) Mitigation measures as proposed in the BAR and the EMPr.
- e) The information contained in the specialist studies contained within the appendices of the BAR dated February 2022 and as appears below:

Title	Prepared by	Date
Wetland and Terrestrial Assessment	The Biodiversity Company	December 2021
Heritage Impact Assessment	Beyond Heritage	September 2021
Agricultural Compliance Statement	The Biodiversity Company	December 2021
Geotechnical Assessment	Holland-Muter and Associates cc	July 2021

### 2. Key factors considered in making the decision

All information presented to the Department was taken into account in the Department's consideration of the application. A summary of the issues which, in the Department's view, were of the most significance is set out below.

- a) The findings of all the specialist studies conducted and their recommended mitigation measures.
- b) The need and desirability of the project. To achieve the strategic goal as set forth by the Department of Water and Sanitation (DWS) within the Olifants Water Management Area Integrated Strategic Perspective, a portion of the water allocation licenced to Lebalelo Water User Association (LWUA) must be transferred to the De Hoop Dam to facilitate the use of the water by certain members of the LWUA (mines) located within the Steelpoort sub-area. This transfer of a portion of the lawful allocation to be abstracted at De Hoop Dam instead of Flag Boshielo Dam will alleviate the pressure on the Flag Boshielo Dam. Once the portion of the allocation is transferred to the De Hoop Dam for abstraction,

LWUA requires the SE2 pipeline from Spitskop Pump Station to Mototolo Mine to provide more water in the Steelpoort area for its members as the existing SE1 pipeline upstream of the Spitskop Pump Station does not have the capacity to transport more than 12Mℓ/day from the Havercroft reservoirs to members along the route. The SE2 pipeline and associated infrastructure project is therefore required to augment the existing water supply to the following entities: Lion Smelter, Dwarsrivier, Two Rivers and Mototolo mines, and potentially to Steelpoort Industrial Park.

- c) The new SE2 pipeline will be constructed within the servitude of the existing raw water pipeline running from the Lebalelo Water User Association's Havercroft Pump Station to Borwa Pump Station, referred to as the Southern Extension 1 (SE1). This will reduce the area for disturbance and have the lowest impact on the receiving environment.
- d) The BAR dated February 2022 identified all legislation and guidelines that have been considered in the preparation of the BAR.
- e) The location of the project.
- f) The methodology used in assessing the potential impacts identified in the BAR dated February 2022 and the specialist studies have been adequately indicated.
- g) A sufficient public participation process was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations, 2014 as amended for public involvement.

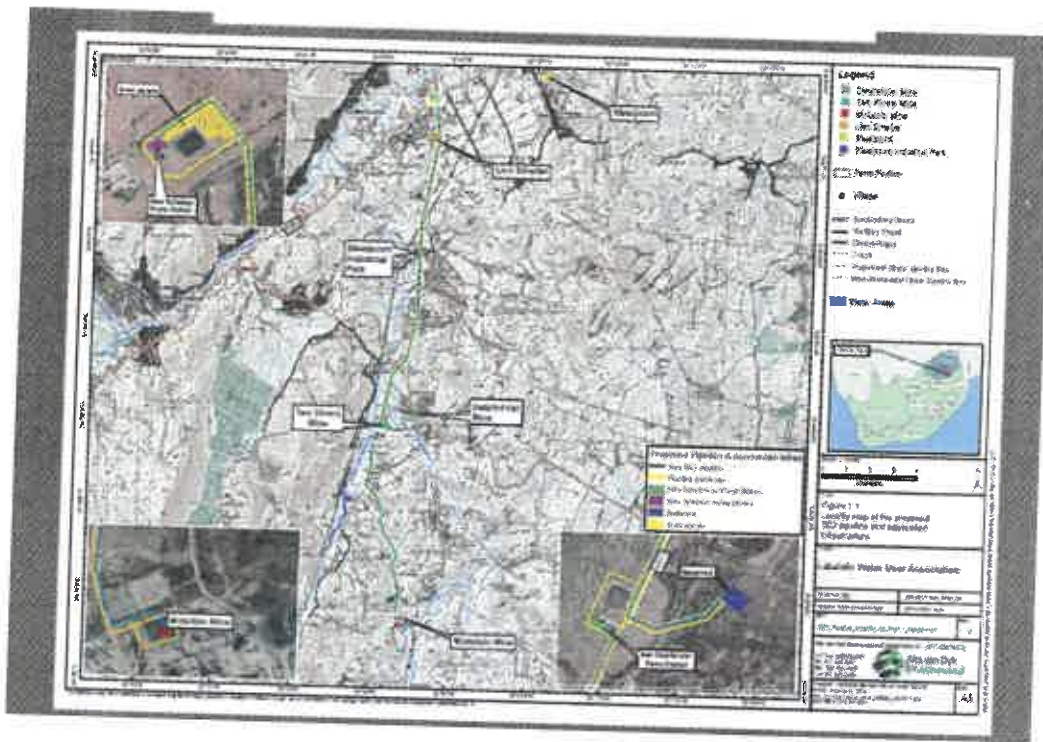
### 3. Findings

After consideration of the information and factors listed above, the Department made the following findings -

- a) The identification and assessment of impacts are detailed in the BAR dated February 2022 and sufficient assessment of the key identified issues and impacts have been completed.
- b) The procedure followed for impact assessment is adequate for the decision-making process.
- c) The information contained in the BAR dated February 2022 is deemed to be accurate and credible.
- d) The proposed mitigation of impacts identified and assessed adequately curtails the identified impacts.
- e) EMPr measures for the pre-construction, construction and rehabilitation phases of the development were proposed and included in the BAR and will be implemented to manage the identified environmental impacts during the construction phase.

In view of the above, the Department is satisfied that, subject to compliance with the conditions contained in the environmental authorisation, the authorised activities will not conflict with the general objectives of integrated environmental management laid down in Chapter 5 of the National Environmental Management Act, 1998 and that any potentially detrimental environmental impacts resulting from the authorised activities can be mitigated to acceptable levels. The environmental authorisation is accordingly granted.

## Annexure 2: Locality Plan



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# forestry, fisheries & the environment

Department:  
Forestry, Fisheries and the Environment  
REPUBLIC OF SOUTH AFRICA

Private Bag X447 PRETORIA 0001 Environment House · 473 Steve Biko Road, Arcadia· PRETORIA  
Tel(+27 12) 398 9000

Enquiries: Devinagie Bendeman Telephone: 012 399 9337 E-mail: [vbendeman@dlfe.gov.za](mailto:vbendeman@dlfe.gov.za)

Ms. Millicent Solomons  
Director: Prioritized Infrastructure Projects

Dear Mrs Solomons

## APPOINTMENT AS ACTING CHIEF DIRECTOR: INTEGRATED ENVIRONMENTAL AUTHORIZATIONS FOR THE PERIOD OF 25 APRIL 2022 UNTIL 31 OCTOBER 2022

I hereby inform you that I have decided to appoint you as the Acting Chief Director: Integrated Environmental Authorizations for the period of 25 April to 31 October 2022 whilst Mr Sabelo Mafaza is fulfilling his temporary reassignment function at the Forestry Branch.

All the correspondence and other documents that are usually signed by the Chief Director: Integrated Environmental Authorizations must be signed under Acting Chief Director: Integrated Environmental Authorizations during the above-mentioned period.

Your appointment in the above acting position remains subject to the provisions of the Public Service Act, 1994 (Proclamation No. 103 of 1994), as amended, the Government Employees Pension Fund Act, 1996 (Proclamation No. 21 of 1996), the regulations promulgated under these Acts and relevant circulars.

In the execution of your duties and the exercising of the powers delegated to you, you will furthermore be subjected to the provisions of the Public Finance Management Act, compliance with the Promotion of Access to Information Act, Promotion of Administrative Justice Act, the Minimum Information Security Standard, Departmental Policies and other applicable legislations with the Republic of South Africa. You are therefore advised to make yourself familiar with the provisions of these legislations and policies and the amendments thereof. (Copies of Departmental policies can be obtained from the Human Resource Office).

Please accept my heartfelt gratitude for all your assistance on behalf of the department.

Yours sincerely

Ms Devinagie Bendeman  
Deputy Director-General: RCSM (Regulatory Compliance and  
Sector Monitoring)

Date 20 April 2022

### ACKNOWLEDGEMENT

I ~~ACCEPT~~ / DO NOT ACCEPT  
appointment as Acting Chief  
Director: Integrated Environmental  
Authorizations

Signed:

Date:

20/04/2022



# forestry, fisheries & the environment

Department:  
Forestry, Fisheries and the Environment  
REPUBLIC OF SOUTH AFRICA

Private Bag X 447· PRETORIA 0001· Environment House 473 Steve Biko Road, Arcadia· PRETORIA

DFFE Reference: 14/12/16/3/3/1/2442/AM1

Enquiries: Ms Matlhodi Mogorosi

Telephone: (012) 399 9388 E-mail: [MMogorosi@dfpe.gov.za](mailto:MMogorosi@dfpe.gov.za)

Mr Bertus Bierman  
Lebalelo Water User Association  
PO Box 2075  
**POLOKWANE**  
0700

Telephone Number: (012) 348 4654  
Email Address: [bierman@lebalelo.co.za](mailto:bierman@lebalelo.co.za)

## PER EMAIL / MAIL

Dear Mr Bierman

### AMENDMENT OF THE ENVIRONMENTAL AUTHORISATION ISSUED ON 28 APRIL 2022 AND APPROVAL OF THE FINAL ENVIRONMENTAL MANAGEMENT PROGRAMME (EMPr) AND LAYOUT PLAN FOR THE CONSTRUCTION OF THE NEW LEBALELO WATER USER ASSOCIATION SOUTHERN EXTENSION 2 (SE2) RAW WATER PIPELINE AND ASSOCIATED INFRASTRUCTURE BETWEEN THE SPITSKOP PUMP STATION AND THE MOTOTOLO MINE NEAR STEELPOORT, WITHIN THE FETAKGOMO TUBATSE LOCAL MUNICIPALITY, LIMPOPO PROVINCE

The Environmental Authorisation (EA) issued for the abovementioned application by this Department on 28 April 2022, the pre-application meeting held on 12 July 2022, the minutes of the pre-application meeting received by the Department on 15 July 2022, and approved on 18 July 2022, your application for amendment of the EA and approval of the final Environmental Management Programme (EMPr) and Layout Plan received by the Department on 18 July 2022, and the acknowledgement thereof on 28 July 2022, refer.

Based on a review of the reason for requesting an amendment to the above EA, this Department, in terms of Chapter 5 of the Environmental Impact Assessment Regulations, 2014 as amended, has decided to amend the EA dated 28 April 2022 as amended, as follows:

#### **Amendment 1: Removal of conditions from the EA:**

The following conditions are removed from the EA:

Nr	Condition in the EA	Reasons for removal
12	A final site layout map of the route for the gravity outfall sewer pipeline, as determined by a detailed micro-siting or pegging, and all mitigation measures as dictated by the final site layout plan, must be submitted to the Department for approval prior to construction.	<b><u>Reason for the removal:</u></b> The final layout of the proposed SE2 raw water pipelines, was determined after surveying the Lebalelo servitude for the existing SE1 pipeline and taking into consideration the findings of the specialist studies and was provided in the Final BAR submitted to the DFFE on 1 March 2022. The route submitted remains the same. The botanical

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		walkdown undertaken on 01-02 June 2022 as per condition 35 of the EA dated 28 April 2022 did not change the final layout plan as presented in the final BAR submitted to DFFE for decision making. As such this condition can be removed.
13	<p>A copy of the final site layout map must be made available for comments to registered Interested and Affected Parties and the holder of this environmental authorisation must consider such comments. Once amended, the final development layout map must be submitted to the Department for written approval prior to commencement of the activity. All available biodiversity information must be used in the finalisation of the layout map. Existing infrastructure must be used as far as possible e.g., roads. The layout map must indicate the following:</p> <p>13.1 The final position of the of both the 15km and 9km raw water pipelines within the assessed area;</p> <p>13.2 The final of the new concrete 10ML reservoir;</p> <p>13.3 The final location of the two proposed pump stations;</p> <p>13.4 All existing and proposed associated infrastructure within the development particularly along the pipeline route;</p> <p>13.5 Any sensitive environmental features that will be affected by the sewer pipeline; and</p> <p>13.6 All “no-go’ and buffer areas.</p>	<p><b>Reason for the removal:</b></p> <p>The final layout of the proposed SE2 raw water pipelines and its associated infrastructure, was determined after surveying the Lebalelo servitude for the existing SE1 pipeline and taking into consideration the findings of the specialist studies and was included the Amended Draft BAR that was made available for public comment from 13 January to 14 February 2022. The final layout was also included in the Final BAR submitted to the DFFE on 1 March 2022. The following positions and associated coordinates were included in the Amended Draft BAR and Final Draft BAR:</p> <ul style="list-style-type: none"> <li>• 15km raw water pipeline.</li> <li>• 9km raw water pipeline.</li> <li>• Spitskop Pump Station.</li> <li>• Dwarsrivier Pump Station.</li> <li>• Concrete 10ML reservoir.</li> </ul> <p>Sensitive features around the raw water pipelines and associated buffer zones have been indicated in are shown in the wetland impact study, the heritage impact study and in the Final BAR.</p> <p>In addition, the botanical walkdown undertaken on 01-02 June 2022 as per condition 35 of the EA dated 28 April 2022 did not result in any changes to the final layout plan as presented in the final BAR submitted to DFFE for decision making. As such tis condition can be removed.</p>
14	The Environmental Management Programme (EMPr) submitted as part of the BAR is not approved and must be amended to include measures as dictated by the final site layout-out map and micro -siting, and the provisions of this environmental authorisation. The EMPr, which must be inclusive of the final layout plan as per Conditions 12 – 13 above, must be made available for comments to registered Interested	<p><b>Reason for removal:</b></p> <p>The botanical walkdown undertaken on 01-02 June 2022 as per condition 35 of the EA dated 28 April 2022 did not change the final layout plan and the EMPr submitted as part of final BAR as presented in the final BAR submitted to DFFE for decision making. As such, this condition ca be removed.</p>

	and Affected Parties and the holder of this environmental authorisation must consider such comments. Once amended, the Final EMPr must be submitted to the Department for written approval prior to commencement of the activity. Once approved the EMPr must be implemented and adhere to.	
15	The EMPr amendment must include the following:	<b>Reasons for the removal:</b> The botanical walkdown undertaken on 01-02 June 2022 as per condition 35 of the EA dated 28 April 2022 did not change the final layout plan and the EMPr submitted as part of final BAR as presented in the final BAR submitted to DFFE for decision making. As such, this condition can be removed.
	15.1 A copy of the final layout plan as contained in Condition 13 above;	
	15.2 The requirements and conditions of this environmental authorisation;	
	15.3 All recommendations and mitigation measures recorded in the BAR and the specialist report as included in the BAR dated February 2022; and	
	15.4 A re-vegetation and habitat rehabilitation plan.	

**Approval of the final EMPr and Layout Plan:**

This Department has evaluated the final EMPr for the Lebelelo Water User Association SE2 Pipeline and associated infrastructure dated July 2022 and found that the revised final EMPr (including the final development layout plan). The final EMPr dated July 2022 and the final development layout plan are hereby **approved**. The approved final EMPr (inclusive of the final layout plan) must be implemented and adhered to.

This EMPr approval must be read in conjunction with all the conditions contained within the abovementioned EA dated 28 April 2022, as amended. This EMPr should be regarded as a 'living document', which may be amended from time to time as and when the need arises.

In terms of Regulation 36. (1) & (2) of the Environmental Impact Assessment Regulations, 2014, as amended, the following is drawn to your attention:

1. Regulation 36(1), "where an amendment is required to the impact management **actions** of an EMPr, such amendments may immediately be effected by the holder and reflected in the next environmental audit report submitted as contemplated in the environmental authorisation and regulation 34. In terms of Regulation 36(1), an amendment to an impact management action, which does not result in the amendment of the impact management outcomes of the EMPr, may therefore be immediately effected by the holder, provided that such is reflected in the next environmental audit report as per Regulation 36(1).



2. Regulation 36(2), "where an amendment to the impact management **outcomes** of an EMPr is required before an audit is required in terms of the environmental authorisation, an EMPr may be amended on application by the holder of the EA". This process also requires a public participation process per Regulation 37(2), as well as submission of the amended EMPr to the Competent Authority for comment and approval.

This proposed amendment letter must be read in conjunction with the EA dated 28 April 2022 as amended.

In terms of the Promotion of Administrative Justice Act, 2000 (Act No 3 of 2000), you are entitled to the right to fair, lawful and reasonable administrative action; and to written reasons for administrative action that affects you negatively. Further your attention is drawn to the provisions of the Protection of Personal Information Act, 2013 (Act no. 4 of 2013) which stipulate that the Department should conduct itself in a responsible manner when collecting, processing, storing and sharing an individual or another entity's personal information by holding the Department accountable should the Department abuse or compromise your personal information in any way.

In terms of Regulation 4(2) of the Environmental Impact Assessment Regulations, 2014, as amended (the EIA Regulations), you are instructed to notify all registered interested and affected parties, in writing and within fourteen (14) days of the date of the EA, of the Department's as well as the provisions regarding the submission of appeals that are contained in the Regulations.

Your attention is drawn to Chapter 2 of National Environmental Management Act, 1998 (Act No. 107 of 1998) National Appeal Regulations published under Government Notice R993 in Government Gazette No. 38303 dated 08 December 2014 (National Appeal Regulations, 2014), which prescribes the appeal procedure to be followed. Kindly include a copy of this document (National Appeal Regulations, 2014) with the letter of notification to interested and affected parties in this matter.

Should any person wish to lodge an appeal against this decision, he/she must submit the appeal to the appeal administrator, and a copy of the appeal to the applicant, any registered interested and affected party, and any organ of state with interest in the matter within 20 days from the date that the notification of the decision was sent to the registered interested and affected parties by the applicant; or the date that the notification of the decision was sent to the applicant by the Department, whichever is applicable.

**Appeals must be submitted in writing in the prescribed form to:**

The Director: Appeals and Legal Review of this Department at the below mentioned addresses.

By email: [appeals@dffe.gov.za](mailto:appeals@dffe.gov.za);

By hand: Environment House  
473 Steve Biko,  
Arcadia,  
Pretoria,  
0083; or

By post: Private Bag X447,  
Pretoria,  
0001;

Please note that in terms of Section 43(7) of the National Environmental Management Act, Act No. 107 of 1998, as amended, the lodging of an appeal will suspend the environmental authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged, you may not commence with the activity until such time that the appeal is finalised.

To obtain the prescribed appeal form and for guidance on the submission of appeals, please visit the Department's website at [https://www.environment.gov.za/documents/forms#legal\\_authorisations](https://www.environment.gov.za/documents/forms#legal_authorisations) or request a copy of the documents at [appeals@dffe.gov.za](mailto:appeals@dffe.gov.za).

Yours faithfully



**Ms Millicent Solomons**  
**Acting Chief Director: Integrated Environmental Authorisations**  
**Department of Forestry, Fisheries and the Environment**  
Date: 16/08/2022.

cc:	Ms Suzanne van Rooy	Alta van Dyk Environmental Consultants cc	Email: <a href="mailto:suzanne@avde.co.za">suzanne@avde.co.za</a>
	Mr Tlhagala Ngoasheng	Limpopo Department of Economic Development, Environment and Tourism	Email: <a href="mailto:NgoashengTR@ledet.gov.za">NgoashengTR@ledet.gov.za</a>
	Q Moeng	Fetakgomo Tubatse Local Municipality	Email: <a href="mailto:mrmathanga@tubatse.gov.za">mrmathanga@tubatse.gov.za</a>



## forestry, fisheries & the environment

Department:  
Forestry, Fisheries and the Environment  
REPUBLIC OF SOUTH AFRICA

Private Bag X447 PRETORIA 0001 Environment House · 473 Steve Biko Road, Arcadia· PRETORIA  
Tel(+27 12) 388 8000

Enquiries: Devnagie Bendeman Telephone: 012 389 9337 E-mail: [vbendeman@ddfe.gov.za](mailto:vbendeman@ddfe.gov.za)

Ms. Milicent Solomons  
Director. Prioritized Infrastructure Projects

Dear Mrs Solomons

### APPOINTMENT AS ACTING CHIEF DIRECTOR: INTEGRATED ENVIRONMENTAL AUTHORIZATIONS FOR THE PERIOD OF 25 APRIL 2022 UNTIL 31 OCTOBER 2022

I hereby inform you that I have decided to appoint you as the Acting Chief Director: Integrated Environmental Authorizations for the period of 25 April to 31 October 2022 whilst Mr Sabelo Malaza is fulfilling his temporary reassignment function at the Forestry Branch.

All the correspondence and other documents that are usually signed by the Chief Director: Integrated Environmental Authorizations must be signed under Acting Chief Director: Integrated Environmental Authorizations during the above-mentioned period.

Your appointment in the above acting position remains subject to the provisions of the Public Service Act, 1994 (Proclamation No. 103 of 1994), as amended, the Government Employees Pension Fund Act, 1996 (Proclamation No. 21 of 1996), the regulations promulgated under these Acts and relevant circulars.

In the execution of your duties and the exercising of the powers delegated to you, you will furthermore be subjected to the provisions of the Public Finance Management Act, compliance with the Promotion of Access to Information Act, Promotion of Administrative Justice Act, the Minimum Information Security Standard, Departmental Policies and other applicable legislations with the Republic of South Africa. You are therefore advised to make yourself familiar with the provisions of these legislations and policies and the amendments thereof. (Copies of Departmental policies can be obtained from the Human Resource Office).

Please accept my heartfelt gratitude for all your assistance on behalf of the department.

Yours sincerely

Ms Devnagie Bendeman  
Deputy Director-General: RCSM (Regulatory Compliance and  
Sector Monitoring)

Date 20 April 2022

#### ACKNOWLEDGEMENT

I ACCEPT / ~~DO NOT ACCEPT~~  
appointment as Acting Chief  
Director: Integrated Environmental  
Authorizations

Signed:

Date:

20/04/2022