

A10. ENVIRONMENTAL MONITORING

January 2019

* MESSALO I BRIDGE

* MESSALO III BRIDGE

* MAPUEDE BRIDGE

A10 ENVIRONMENTAL MONITORING

1. WATER POLLUTION

(1) PH

Date	Messalo I Bridge		Messalo III Bridge		Mapuede Bridge	
	Upstream	Downstream	Upstream	Downstream	Upstream	Downstream
7-Jan-19	9.29	9.67	-	8.87	-	8.89
8-Jan-19	9.22	9.13	-	8.48	8.20	8.34
9-Jan-19	9.14	9.22	-	8.46	8.21	8.16
11-Jan-19	9.39	9.52	-	8.96	-	8.42
16-Jan-19	9.52	-	-	8.78	8.37	8.67
17-Jan-19	9.54	-	-	8.83	8.99	8.95
18-Jan-19	9.28	-	-	8.86	8.20	8.46
19-Jan-19	9.40	-	-	8.86	8.37	8.61
21-Jan-19	9.45	-	-	8.89	8.89	8.22
22-Jan-19	8.89	-	-	8.77	8.57	8.79
23-Jan-19	8.92	-	-	8.22	7.80	8.61
24-Jan-19	8.91	-	-	8.32	8.15	8.84
25-Jan-19	8.89	-	-	8.77	8.14	8.44
26-Jan-19	9.34	-	-	8.33	7.96	8.25
28-Jan-19	9.12	-	-	8.54	8.84	8.40
29-Jan-19	9.03	-	-	8.72	8.56	8.81
30-Jan-19	9.14	-	-	8.94	8.33	8.42
31-Jan-19	9.30	-	-	8.83	8.13	8.74

(2) Turbidity

Unit: NTU

Date	Messalo I Bridge		Messalo III Bridge		Mapuede Bridge	
	Upstream	Downstream	Upstream	Downstream	Upstream	Downstream
7-Jan-19	282	282	-	123	24	18
8-Jan-19	275	276	-	118	12	20
9-Jan-19	223	221	-	117	12	27
11-Jan-19	215	216	-	113	-	30
16-Jan-19	217	-	-	318	29	28
17-Jan-19	411	-	-	356	13	19
18-Jan-19	318	-	-	258	23	31
19-Jan-19	212	-	-	223	19	22
21-Jan-19	207	-	-	213	15	22
22-Jan-19	200	-	-	209	24	22
23-Jan-19	377	-	-	402	19	25
24-Jan-19	299	-	-	348	81	93
25-Jan-19	267	-	-	237	50	79
26-Jan-19	191	-	-	174	46	51
28-Jan-19	333	-	-	188	48	51
29-Jan-19	329	-	-	277	52	56
30-Jan-19	241	-	-	273	75	88
31-Jan-19	460	-	-	212	68	60

2. Air Pollution

The change of fauna and the flora have not been found.
Abnormality of the air quality has not been confirmed.

3. Waste

Illegal dumping has not been found.

4. Soil Pollution

The leaking oil from construction equipment or storage yard has not been found.

5. Ecosystems

No unusual death of wildlife, fish and aquatic fauna.