Appendix A: Change notice – Regulation 22

Interest holder	Tamboran B2 Pty Ltd		eetaloo W-1 Exploration Permit	(EP) 117 (ORI8-2) Uniqu		ORI8-2	Mod #	1	Date	23 January 2025		
		Title			EMP ID							
Brief Description	Amendment of the offs	site stormwater rele	ncy in stormwater discharge	criteria across a	all Tambora	n explorati	on and ap	praisal well site	5.			
Geospatial files included?	N/A											
Does the proposed change	e If an INCREASE in the Does the proposed Has additional Does it requ		Does it require additional	nal Does it affect			affect cu	rrent	Will the environmental outcome			
result in a new, or	new, or existing potential or change require		stakeholder	environmental	compliances with Sacred		rehabil	itation, w	eed fire,	continue to be achieved, and will		
increased, or potential or	creased, or potential or actual environmental additional m		ion engagement been	performance standards	Site Authority		wastew	ater, ero	sion and	the impacts and risks be managed		
actual environmental	ctual environmental risk, is it provided for I		conducted?	and measurement	Certificates?		sediment control, spill or			to ALARP and acceptable?		
impact or risk?	risk? in the EMP? included?			criteria?			emergency response plans?					
No.	No No.		No	No.	No.	No.	No.		Yes.			
There are no new or	No increased impact	Existing mitigation	Stakeholder	Environmental	Activity cover	All management plans remain			Stormwater monitoring outlined in			
increased environmental	or risk with sufficient	measures are in p	ace engagement is not	performance standards	the existing AAPA		valid ar	valid and appropriate.		Table 54: Environmental outcomes		
impacts or risks. The	risks. The controls outlined in		ter required as this	within the existing	certificates C2020/003.					performance standards and		
revised discharge criteria	the EMP.	release.	change is aligning with	change is aligning with approved EMP are						measurement criteria – Inland		
have been discussed in the			existing stormwater	sufficient.						water environmental quality and		
EMP and is evaluated to be	be release criteria in							aquatic ecosystems, will be met.				
ALARP and acceptable.		recent EMPs.										
Additional contextual												
information												



Interest holder Tamboran B2 Pty Ltd			EMP Beetaloo W-1 Exploration Permit Title Description						Unique EMP ID	TAM2-3	Mod #	1			
			Curre	ent EMP tex	t							Ame	nded EMP te	xt	
3.15 Stormwa	ater manager	nent						3.15 Storr	nwater n	nanage	ment				
Table 9: Storr	mwater relea	se and re-use	limits					Table 9: S	tormwat	er relea	ise and re-use l	imits			
Monitoring parameter	•				Limit basis Irrigation salinity values used due to the absence of adjacent watercourses, with the protection of soils the most relevant environmental Value (EV). The guideline was based on the irrigation water salinity ratings for moderately sensitive crops. (Sources from Table 9.2.5 of the ANZEC Guidelines (2000) Volume 3, Chapter 9, Primary Industries) Sodium adsorption ratio (SAR) of stormwater is anticipated to be low, well below <20. Receiving soils are sandy loam (as described in section 4.1.3), with SAR in irrigation water >20 permissible which will not increase the sodicity of soils (Sources from Table 9.2.6 ANZEC Guidelines (2000) Volume 3, Chapter 9, Primary Industries)				Monitoring parameter Release Electrical conductivity 1,300 µ		se limit	Limit b	Limit basis The proposed limit of 1, of the Gum Ridge for proposed sites) and the for moderately sensitive (2000) Volume 3, Chapt The proposed EC limit is the changing soil saliniti vegetation types, includi native grasses which ar have been shown to hav The results of the model will be in the order of 1.6 clay). This is below the I vegetation types in the a		
Electrical conductivity				adjac most was b mode of the Prima Sodiu are sa SAR i increa ANZE							µs/cm	of the propose for mod (2000) The pro the cha vegetat native g have be The res will be i clay). T			
рН	6.5 – 9).5		data¹ volum	Limit based upon the background surface water quality data ¹ and Table 8.2.8 of the ANZECC Guidelines 2000 volume 2 Aquatic ecosystems – rationale and background information							for the (combine	Gum Ridge F ed with the E on the revise	orm	
¹ HLA 2005 re Petroleum	port summar	ising the Beeta	Iloo Basin Surf	ace water q	uality monitoring o	completed for Swee	tpea	pH		<u>5.2 – 9</u>	9.U	pH leve 20, 202 and sec of rainw sedime interact basins of after a r the exis	posed minim els, with pH le 4. Tamborar diment basins vater that falls nt basin is ar with the reco onsite, with p rainfall event sting pH of ra	evels s aro s on nticip eivin oH in due	
								Visible hydrocar sheens, or discole	oaming	other No vis cause and de No vis	ible oil, grease hydrocarbons. ible foams d by surfactants etergents. ible abnormal oration.				
8.5 Monitorir	ng							8.5 Monit	oring			I			
	•	ram summary							-	ing prog	gram summary				
Monitoring program	Purpose	, Monitoring points	Parameters	Frequency	Investigation thresholds	Instrument calibration	Reference document	Monitorin program	oring Purpose		Monitoring points	Parameters	Frequency	Inv thi	
Stormwater	Manage stormwater collected	Chemical storage areas	Field EC and pH	Prior to release	Off-site release and dust suppression limits:	Instrument calibrated before use.	N/A	Stormwate		age nwater	Chemical storage areas	Field EC and pH	Prior to release	Of du lin	

	1	1 Date 23 January 2025										
X	rt											
t it	of 1,300 µs/cm was chosen as it aligns with the EC formation (the main source of water used on the ANZECC short term irrigation guideline value itive crops (Table 9.2.5 of the ANZEC Guidelines napter 9, Primary industries).											
	•			odelling designed	d to assess							
li	nities and	the poter	ntia	l for impact on th icia, Melaleuca s	<mark>e receiving</mark>							
h	are comn	non to th	e a	rea. Many of the gh tolerance to sa	se species							
				naximum root zor								
f	1.6 dS/m	<mark>(for a sar</mark>	ndy	loam) to 1.7 dS/ ot zone salinity of	<mark>m (for a</mark>							
h	e area. Al	so, the so	odiu	um adsorption ra	<mark>tio (SAR)</mark>							
(<mark>C values, i</mark>	ndicates	tha	d at 2, which wh t the release of s	<mark>tormwater</mark>							
d	release ci	riteria is u	unlil	<mark>kely to cause soi</mark>	l structural							
s s nt ei oF c ir	num pH is reflective of observed regional rainfall evels of 5.24 observed at Daly Waters on March has observed pH levels on its enclosed tank lids a around the pH of 5 level. Given the large volume s on a site in a very short period, the pH in the nticipated to be low, before increasing as they eiving soils. This has been observed in sediment of increasing from 5.2 to 6.5 over several hours due to the low buffer capacity of rainwater. Given inwater is approximately 5.2, we believe this to be se limit for stormwater.											
T	Investigation thresholds	on		strument libration	Reference document							
ł	Off-site rele	ease and	Ins	strument	N/A							
	dust suppre limits:	ession	ca us	librated before e.								

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	Amended EMP text									
within bunds during activities	during • EC 1300µs/cm with a two point				s			• pH <mark>5.2 –</mark> • EC 1300	μs/cm	pH probe calibrated with a two point calibration using a pH buffer of 7 and 10. EC meter calibrated with a 1413µs/cm (or similar) standard