

## **Appendix A: Modification Notice - Regulation 22**

Interest holder	Tamboran B2 Pty Ltd		loo Sub-basin Velkerri 2019 ring and well testing EMP	- ,	Unique ORI EMP ID	15-4 N	Mod#	1	Date	30 August 2024
Brief Description	76 EMP (ORI2-1) to be in These bores are located  - Groundwater m proposed at the - Ongoing ground - Groundwater m - Groundwater ex - Decommissionin	on the Velkerri 76 S2 we onitoring bore drilling, contioning bore drilling, contioning bore drilling, contioning for the onitoring from new bore straction and compliance and rehabilitation at contioning and rehabilitation at continuous contin	eetaloo Sub-basin Velkerri ell pad, with 2 already cons ompletion and equipping of the ongoing use, manage two control monitoring bo es installed on Velkerri 76 S e from RN041134 under the completion of activities on	2019-2024 Drilling, Hydraulistructed and in use (e.g. RNO) of the remaining two grounds ment and monitoring of the pres (CMBs) RNO41133 and RS2 well site e water extraction licence # 0	ic fracturing and well in 41133 and RN041134 water monitoring bor see bores is already con RN041134  GRF 10285 and any ne	testing End of the state of the	the Velker is in adding the Veller the Veller ction bore	5-4). erri 76 S2 tion to th kerri 76 S2	DST EMP (ORI5-4 e two contingent	Bore Installation Program - Velkerri  1): groundwater extraction bores
Geospatial files included?	Not specific to Waters B		e paus nave been incorpor	ated (substituted) into the bit	oduei Veikeiii 70 32 V	well pau.				
Does the proposed change result in a new, or increased, or potential or actual environmental impact or risk?	If an INCREASE in the existing potential or actual environmental risk, is it provided for in the EMP?	Does the proposed change require additional mitigation measures to be included?	Has additional stakeholder engagement been conducted?	Does it require additional environmental performance standards and measurement criteria?	Does it affect compliances with S Site Authority Certificates?	Sacred	rehabili wastew sedime	affect cui itation, w rater, ero nt contro ncy respo	eed fire, sion and	Will the environmental outcome continue to be achieved and will the impacts and risks be managed to ALARP and acceptable?
No. The Velkerri 76 S2 DST EMP (ORI5-4) includes provision for two groundwater bores to be located on the existing well site. A total of six (2 CMBs, 2 IMBs and 2 contingent extraction bores) are proposed.	No increased risks proposed. The existing Velkerri 76 S2 EMP provides for impacts and risks associated with groundwater bore pads and monitoring/production bores.	No. Existing mitigation measures are in place covering land clearing, erosion and sediment control. The groundwater monitoring bore pads are fully subsumed into the Velkerri 76 S2 well site.	Not applicable. Stakeholder engagement completed for all activities – Water Bore Drilling EMP, Civil EMP and DST EMP – that will be conducted on Velkerri 76 S2 well site.	No. The groundwater bore pads are already subsumed into the Velkerri 76 S2 well site. There is no additional environmental performance standards or measurement criteria that are not already captured by the Velkerri 76 S2 DST EMP (i.e. protection of soils, water, rehabilitation etc.)	No. Clearing of groundy bore pads was cove AAPA Certificate C2019/039. This AA certificate covered a activities for the Ve 76 S2 well site.	water ered by APA all elkerri	broader and as s plans su weed, f spill res	subsume Velkerri such captu uch as reh ire, waste ponse pla	re pads are d into the 76 S2 well site ured in existing abilitation, water, ESCP, in and onse plan.	Yes. The environmental outcomes pertaining to the protection of soils, surface water, groundwater, ecology and community are covered by the Velkerri 76 S2 DST EMP. The impacts and risks will continue to be managed to ALARP and acceptable.
Additional contextual information	, ,			·		oved und	ler the Be	eetaloo B	asin Groundwate	r Monitoring Bore Installation

<sup>&</sup>lt;sup>3</sup> NOTE: A regulation 14 notice has been submitted to DEPWS to close out the *Beetaloo Basin Groundwater Monitoring Bore Installation Program - Velkerri 76 EMP* (ORI2-1.1). The construction, operation and management of 4 groundwater monitoring bores under ORI2-1.1 have been incorporated into this EMP (*Beetaloo Sub-basin Velkerri 2019-2024 Drilling, Hydraulic fracturing and well testing EMP* (ORI5-4)).

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Velkerri 2019-2024 Drilling, Hydraulic fracturing and well testing EMP (ORI5-4)	Unique EMP ID	ORI5-4	Mod#	1	Date	30 August 2024
	The Velkerri 76 S2 DST E	EMP (ORI5-4) incomon for the install	and monitoring bores (RN041133 and RN041134) have already be ludes provision for the ongoing use, management and maintenand ation of an additional two groundwater extraction and monitoring risk assessment necessary, as activities already captured and do	ce of existing bores, making	approved g	roundwate 6 groundw	r extraction	on and monitorin	ng bores approved under earlier

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well Drilling Program EMP	g, Stimulation and Well Testing	Unique EMP ID	ORI5-5	Mod #	1	Date	30 August 2024		
	Amended EMP text											
Executive Summary / 1.1 Background			Executive Summary / 1.1 Background									
·			To meet this purpose, exploration activities in the 2019-2024 period will include:									
- Access to the pre-cleared a	reas covered under the previous Groun	dwater Monitor	ing bore and Civil Construction EMP's including:									
- Exploration well l	ease pad (4.5 ha) and wet weather	laydown yard (	(1 ha)	- Exploration well lease pad (4.5 ha) and wet weather laydown yard (1 ha)								
o Camp lea	se pad (1.2 ha)			o Camp lease pa	ad (1.2 ha)							
<ul> <li>Stockpile</li> </ul>	storage area (0.2 ha)			<ul> <li>Stockpile stora</li> </ul>	age area (0.2	2 ha)						
_	our (4) gravel pits			<ul> <li>Existing three</li> </ul>								
_	access tracks to the Velkerri 76 S2 sit			<ul> <li>Existing access</li> </ul>					•			
	additional two groundwater extract	tion and monit	oring bores		•		• •			groundwater extraction bores fo		
-	e Velkerri 76 S2-1 exploration well			additional water supp	**	5 55			•			
	f a vertical well section to 2000-300	_	ind level					nd RNU4	1134 under	the water extraction licence #		
	f a horizontal well section up to 300 e stimulation of a horizontal explora	_	un to 20 stages completed	GRF 10285 and any ne								
•	·	ation well, with	up to 20 stages completed	- The drilling of the Velkerri 76 S2-1 exploration well								
<ul> <li>Exploration well completion and testing including:</li> <li>Completion of up to 12 months of well testing</li> </ul>				<ul> <li>Drilling of a vertical well section to 2000-3000m below ground level</li> <li>Drilling of a horizontal well section up to 3000m in length</li> </ul>								
<ul> <li>Completion of up to 12 months of well testing</li> <li>Storage and treatment of up to 12 ML of flowback onsite</li> </ul>				- Hydraulic fracture stimulation of a horizontal exploration well, with up to 20 stages completed								
_	suspension and decommissioning of		n well	- Exploration well completion and testing including:								
·	operation of a temporary camp	·		<ul> <li>Completion of up to 12 months of well testing</li> </ul>								
- Helicopter operat	tions			<ul> <li>Storage and treatment of up to 12 ML of flowback onsite</li> </ul>								
- Asset maintenand	ce and monitoring activities			- Exploration well suspension and decommissioning of an exploration well								
- Site decommissio	oning and rehabilitation			- Construction and operation of a temporary camp								
- All activities ancil	lary of the above.			- Helicopter operations								
No additional land clearin	ng is proposed under this EMP.			- Asset maintenance and monitoring activities								
				- Site decommissioning								
				- All activities ancillary of	of the above	•						
				No additional land clearing is p	proposed un	der this EM	IP.					
1.3 Project Boundary				1.3 Project Boundary								
The boundary of this EMP is	defined as the area which may be affe	cted by explorat	ion activities. This includes:	The boundary of this EMP is defined as the area which may be affected by exploration activities. This includes:								
- Access tracks to a	and from the Velkerri 76 S2 lease fro	- Access tracks to and from the Velkerri 76 S2 lease from the Stuart Highway										
- Velkerri 76 S2 lea	- Velkerri 76 S2 well pad, groundwater bore pads, helipad, camp pad and stockpile area											
Velkerri 76 S2-1 exploration	Velkerri 76 S2-1 exploration well.											
3.4 Groundwater water ext	raction bore installation			3.4 Groundwater bore installation – extraction and monitoring bores								
An additional two conting	gent groundwater water extraction be	illed on the existing lease pad prior to the	Two impact monitoring bores (IMBs) will be installed on the Velkerri 76 S2 well pad to monitoring impacts from the drilling and									
commencement of stimulat and control monitoring bore insufficient yield. These bor 10285.	stimulation activities. In addition, two contingent groundwater water extraction bore may be drilled on the existing Velkerri 76 S well site prior to the commencement of stimulation activities. The extraction bores will only be required where the existing supplying the commencement of stimulation activities.											

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well Drilling, Stimulation and Well Testing Program EMP		Unique EMP ID	ORI5-5	Mod #	1	Date	30 August 2024	
Current EMP text				Amended EMP text							
A bore construction permit will be obtained for each bore and any groundwater take will be licenced in accordance with the NT Water Act 1992. On completing the construction of each water bore, the relevant statement of bore and gamma log will be provided to DENR											