

Appendix A: Change notice – Regulation 22

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well Drilling, Stimulation and Well Testing Program Exploration Permit (EP) 98 & 76 Environment Management Plan	Unique EMP ID	ORI10-3	Mod #	8	Date	26 March 2025					
Brief Description	·		om DLPE to consolidate Regulation 22 notifications. The update in ociated appendices is provided with this modification as a separate		_	mboran's E	MP templ	ate, rolling up the	e 7 modification notifications and this					
	The following additiona	al modifications h	ave been included in this Regulation 22 notification:											
	- Update of the		to offsite stormwater release criteria to provide consistency in steed on the current Chemical Risk Assessments provided in Appendetail updates.		charge crite	eria across	all Tambor	an exploration a	nd appraisal well sites.					
	The Appendices have b	een compiled as	follows:											
	- Appendix A Bu	shfire Manageme	ent Plans – Amungee NW Rev 4.0 (Mar 2025) and Velkerri 76 S2 F	Rev 3.0 (Mar 2	.025)									
	- Appendix B Wa	ater extraction lic	ence (current licence number GRF10285)											
	- Appendix C We	- Appendix C Weed Management Plan (Rev 4.0, 10/10/2024)												
	- Appendix D En	- Appendix D Engineering Drawing Layouts and Specs (no change)												
	- Appendix E Che	- Appendix E Chemical Risk Assessments (Beetaloo CRA Rev 10 and E.1 Condor CRA, E.2 Fusion CRA)												
	- Appendix F Spi	 Appendix E Chemical Risk Assessments (Beetaloo CRA Rev 10 and E.1 Condor CRA, E.2 Fusion CRA) Appendix F Spill Management Plan (Rev 5.1, dated 6/03/2025) 												
	- Appendix G Wa	astewater Manag	ement Plan (Rev 2.2, dated 26/04/2024)											
	- Appendix H Ero	osion and Sedime	nt Control Plan (Rev 14, dated 06/03/2025)											
	- Appendix I Me	thane Emission N	lanagement Plan (Rev 2, dated 15/03/2024)											
	- Appendix J Wa	ter Monitoring S	uite (no change)											
	- Appendix K Lar	nd Condition Asse	ssment (no change)											
	- Appendix L Un	expected heritage	e finds procedure (Rev 1, dated 17/02/2025)											
	- Appendix M ER	RA (no change)												
		akeholder log (no												
			(Amungee NW Rev 3 (Mar 2025) and Velkerri 76 S2 Rev 1 (Mar 2	025))										
			pliance (no change)											
			se Plan (Rev 4.0, dated 22/10/2024)											
Geospatial files included?	N/A – no change to pre	eviously provided	shapefiles											

Interest holder	Tamboran B2 Pty Ltd	EMP Title			ing, Stimulation and Well Testing 3 & 76 Environment Managemen	•	ORI10-3	Mod #	8	Date	26 March 2025
Does the proposed change result in a new, or increased, or potential or actual environmental impact or risk? No There are no new or increased environmental impacts or risks. The update of the Beetaloo MW EMP have already been assessed and Regulation 22 published. The revised discharge criteria have been discussed in the EMP and is evaluated to be ALARP and	If an INCREASE in the existing potential or actual environmental risk, is it provided for in the EMP? No No increased impact or risk with sufficient controls outlined in the EMP, including the spill management plan and wastewater management plan	Does the proportion of the pro	gation e	Has additional stakeholder engagement been conducted? No Stakeholder engagement is not required as changes align with existing EMPs and ongoing activities.	Does it require additional environmental performance standards and measurement criteria? No Environmental performance standards within the existing approved EMP are sufficient.	Does it affect compliances Site Authorit Certificates? No Activity cover the existing Acertificates.	with Sacred Y red under	rehabil wastev sedime emerge No All man valid ar manage comple Beetale	ency responses agement and approprement plated to aligno permit	eed fire,	Will the environmental outcome continue to be achieved, and will the impacts and risks be managed to ALARP and acceptable? Yes Stormwater monitoring outlined in Table 54: Environmental outcomes, performance standards and measurement criteria – Inland water environmental quality and aquatic ecosystems, will be met.
acceptable. There are no new or increased environmental impacts or risks through the addition of the new chemicals. The new chemical has been assessed to have a risk that is low and acceptable. Additional contextual	Not applicable.										

Interest holder Tamboran B2 Pty Ltd EMP Title	Beetaloo Sub-basin Multi-well Drilling, Stimulation and Well Testing Program Exploration Permit (EP) 98 & 76 Environment Management Plan	Unique EMP ID	ORI10-3	Mod #	8	Date	26 March 2025	
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Current EMP text Amended EMP text

Executive summary

Origin Energy B2 Pty Ltd (Origin) is a registered holder and the operator of exploration permits (EP) 98 and EP76, located in the Beetaloo Sub-basin. This Environment Management Plan (EMP) forms the basis of Origin's application to the Northern Territory (NT) Minister for Environment for the drilling, hydraulic fracture stimulation (HFS) and well testing of four additional exploration and appraisal (E&A) wells: two each at the existing Amungee NW and Velkerri 76 S2 sites (Figure 1). This will increase the number of E&A wells at Amungee NW and Velkerri 76 S2 to three each.

Amungee NW is an existing site located on the Amungee Mungee pastoral station within EP98. It contains the existing Amungee NW-1H E&A well, which was drilled in 2015 and 2016 under the previously approved Beetaloo Sub-basin EP98 and EP117 Exploration Drilling EMP NT-2050-15-MP-0010.

Also located on the Amungee Mungee station but within EP76, Velkerri 76 S2 was constructed under the approved 2019 Beetaloo Basin Velkerri 76 S2 Civil Construction EMP (NT-2050-15-MP-03) and contains the Velkerri 76 S2-1 E&A well which was drilled in 2021 under the approved Beetaloo Basin Drilling, Stimulation and Well Testing Program Velkerri 76 S2 EMP (NT-2050-15-MP-032).

The four proposed additional E&A wells covered under this EMP are:

- Amungee NW-2H and Amungee NW-3H at the Amungee NW location
- Velkerri 76 S2-2H and Velkerri 76 S2-3H at the Velkerri 76 S2 location

All wells target the Velkerri shale resource, though the Amungee NW is dry shale and the Velkerri 76 S2 wells are wet gas. The drilling, stimulation and well testing of the four E&A wells at the existing sites is considered an important step in confirming the technical and commercial feasibility of the Velkerri shale resource. The use of multi-well pads is likely to significantly reduce the environmental footprint of any potential development.

The appraisal results collected from these wells will be used to:

- Validate reservoir flows from the Velkerri target formation at the sites with multiple wells
- Optimise HFS design and spacing between adjacent horizontal wells in a multi-well pad operation
- Optimise multi-well pad layout of surface operations for a potential future development scenario with the core
 objective of minimising the environmental footprint, including minimising land clearance, maximising water re-use
 and reducing greenhouse gas (GHG) emissions
- Determine optimal well spacing at a well pad to inform development of the Mechanical Earth Model (MEM) for a future potential development (subject to exploration success)
- Demonstrate design requirements and operability of multi-well pad operations across all seasons in the Beetaloo Sub-basin
- Assess the financial competitiveness in multi-well pad development scenario to inform Final Investment Decision for future development scenarios
- Demonstrate no impact on groundwater quality at a well site in a multi-well pad operation
- Collect additional data on flowback quality and quantity during a multi-well pad operation to assess options for minimising off-site wastewater disposal through future treatment and re-use
- Provide key data as input into future production approvals, including footprint optimisation, flowback characterisation, GHG emission intensity and solid and liquid waste management.

The EMP has been prepared in compliance with the NT Petroleum (Environment) Regulations 2016, Code of Practice: Onshore Petroleum Activities in the Northern Territory (referred to herein as the "Code of Practice") and the Exploration Agreements between Origin, Native Title holders and the Northern Land Council (NLC).

Executive summary

Tamboran B2 Pty Ltd (Tamboran) is a registered holder and the operator of exploration permits (EP) 98 and EP76, located in the Beetaloo Sub-basin. This Environment Management Plan (EMP) was the basis of Tamboran's application to the Northern Territory (NT) Minister for Environment for the drilling, hydraulic fracture stimulation (HFS) and well testing at Amungee NW well site and Velkerri 76 S2 well site (Figure 1).

This EMP covers two existing petroleum wells and four new exploration and appraisal (E&A) petroleum wells as follows:

- Amungee NW (existing), Amungee NW-2H and Amungee NW-3H at the Amungee NW location
- Velkerri 76 S2-1H (existing), Velkerri 76 S2-2H and Velkerri 76 S2-3H at the Velkerri 76 S2 location.

The drilling, stimulation and well testing of the E&A wells on each of the exploration sites is considered an important step in confirming the technical and commercial feasibility of the Velkerri shale. The Amungee NW site is located in the dry gas window, with recent data acquired from the existing Amungee NW-1H E&A well confirming better than originally determined shale gas prospectively. The Velkerri 76 S2 is located in the wet gas window, with indicative results collected during the drilling of Velkerri 76 S2-1 confirming the presence of wet gas.

The Amungee NW well site is an existing site located on the Amungee Mungee station within EP98. It contains the existing Amungee NW-1H E&A well, which was drilled in 2015 and 2016 under the previously approved Beetaloo Sub-basin EP98 and EP117 Exploration Drilling EMP (Origin-2015) and Amungee NW-1H EPT EMP (ORI7-2).

Also located on the Amungee Mungee station but within EP76, Velkerri 76 S2 was constructed under the Beetaloo Basin Velkerri 76 S2 Civil Construction EMP (ORI4-1) and contains the Velkerri 76 S2-1 E&A well which was vertically drilled in 2021 under the approved Beetaloo Basin Drilling, Stimulation and Well Testing Program Velkerri 76 S2 EMP (ORI5-4). Following this, Velkerri 76 S2-1 well deferred the horizontal drilling section, hydraulic fracturing and well testing to the 2025/2026 period.

This EMP update includes the regulated activities that are required to enable Tamboran to drill, stimulate, test, maintain and decommission the E&A wells on Amungee NW and Velkerri 76 S2 site within the 2022-2026 period. As at this date of this EMP version, there have been eight (8) regulation 22 notifications:

- ORI10-3.1 Water bore location change (Amungee NW2)
- ORI10-3.2 Change to HF fluids
- ORI10-3.3 Change to completion fluids
- ORI10-3.4 Bore infrastructure and EMP edits
- ORI10-3.5 Roll up of remaining civil works for Velkerri 76 S2 well site including gravel pits, access tracks and associated activities
- ORI10-3.6 Roll up of remaining DST activities for Velkerri 76 S2 drilling, stimulation and well testing activities
- ORI10-3.7 Roll up of Amungee NW-1H EPT.
- ORI10-3.8 Amungee Multi-well EMP update, including stormwater amendments and revised chemical risk assessment.

All wells target the Velkerri shale resource, though the Amungee NW is dry shale and the Velkerri 76 S2 wells are wet gas. The drilling, stimulation and well testing of the E&A wells at the existing sites is considered an important step in confirming the technical and commercial feasibility of the Velkerri shale resource. The use of multi-well pads is likely to significantly reduce the environmental footprint of any potential development.

The appraisal results collected from these wells will be used to:

- Validate reservoir flows from the Velkerri target formation at the sites with multiple wells
- Optimise HFS design and spacing between adjacent horizontal wells in a multi-well pad operation

	Interest holder	Tamboran B2 Pty Ltd		Beetaloo Sub-basin Multi-well Drilling, Stimulation and Well Testing Program Exploration Permit (EP) 98 & 76 Environment Management Plan	Unique EMP ID	ORI10-3	Mod #	8	Date	26 March 2025
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Current EMP text

The overall objective of the EMP is to ensure that the proposed activities, are carried out in a manner by which the environmental impacts and risks will be reduced to a level that is as low as reasonably practicable and are acceptable.

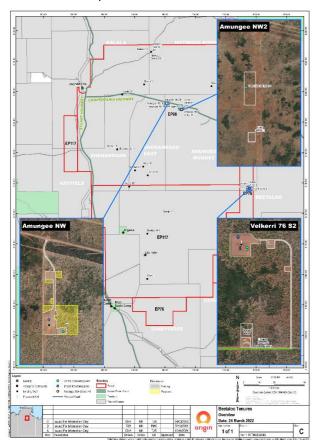


Figure 1: Location of Amungee NW and Velkerri 76 S2 well sites

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Chemical risk assessment

A chemical risk assessment has been completed for all chemicals to be used in drilling and HFS. All chemicals were considered low concern when standard chemical handling, storage and disposal practices were utilised. The chemicals and estimated quantities that may be added to the HFS proppant (sand) are shown in Table .

Table 4: Chemicals that may be added to the sand proppant during stimulation activities

Material name	Typical volume	Maximum volume	Unit	Storage area
Acetic Acid - 60% PH control	3,000	6,000	L	Stimulation chemical storage area
BE-9 Biocide	17,000	34,000	L	Stimulation chemical storage area
Caustic Soda Liquid pH control/ buffer	15,000	30,000	L	Stimulation chemical storage area
DCA-11001 Breaker Activator	5,000	10,000	L	Stimulation chemical storage area
DCA-13002 Breaker	300	600	kg	Stimulation chemical storage area
DCA-13003 Breaker	10,000	20,000	L	Stimulation chemical storage area
DCA-16001 Clay Stabiliser	42,000	84,000	L	Stimulation chemical storage area

Optimise multi-well pad layout of surface operations for a potential future development scenario with the core objective of minimising the environmental footprint, including minimising land clearance, maximising water re-use and reducing greenhouse gas (GHG) emissions

Amended EMP text

- Determine optimal well spacing at a well pad to inform development of the Mechanical Earth Model (MEM) for a future potential development (subject to exploration success)
- Demonstrate design requirements and operability of multi-well pad operations across all seasons in the Beetaloo Subbasin
- Assess the financial competitiveness in multi-well pad development scenario to inform Final Investment Decision for future development scenarios
- Demonstrate no impact on groundwater quality at a well site in a multi-well pad operation
- Collect additional data on flowback quality and quantity during a multi-well pad operation to assess options for minimising off-site wastewater disposal through future treatment and re-use
- Provide key data as input into future production approvals, including footprint optimisation, flowback characterisation, GHG emission intensity and solid and liquid waste management.

The EMP has been prepared in compliance with the NT Petroleum (Environment) Regulations 2016, Code of Practice: Onshore Petroleum Activities in the Northern Territory (referred to herein as the "Code of Practice") and the Exploration Agreements between Tamboran, Native Title holders and the Northern Land Council (NLC).

The overall objective of the EMP is to ensure that the proposed activities, are carried out in a manner by which the environmental impacts and risks will be reduced to a level that is as low as reasonably practicable and are acceptable.

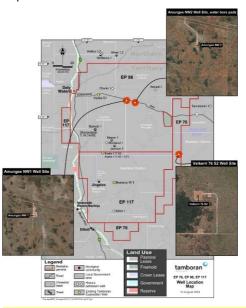


Figure 1: Location of Amungee NW, Amungee NW2 and Velkerri 76 S2 well sites

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Chemical risk assessment

A chemical risk assessment has been completed for all chemicals to be used in drilling and HFS. All chemicals were considered low concern when standard chemical handling, storage and disposal practices were used. The chemicals and estimated quantities that may be added to the HFS proppant (sand) are shown in Table 4.

Interest holder	Tamboran	B2 Pty Ltd		EMP Title		-well Drilling, Stimulation and Dioration Permit (EP) 98 & 76 nt Plan	Unique EMP ID		ORI10	-3 N	Mod #	8	Date	26 March	2025
		Curren	nt EMP tex	xt						Amended	d EMP text	t			
DCA-17001 Corrosion Inhibitor	1,000	2,000	L	Stimulation cher	mical storage area	Table 4: Chemicals that	may be u	sed on each	well p	ad (based or	n 3 wells pe	er pad)			Chamital
DCA-19001 Crosslinker	600	1,200	kg	Stimulation cher	nical storage area		Typical	Maximum						CAS	Chemical risk
DCA-19002 Crosslinker	10,000	20,000	L	Stimulation cher	mical storage area	Material name	volume	volume	Unit	Storage area	a	Chemical cor	mposition	Number	<mark>assessment</mark>
DCA-23001 Friction Reducer	5,000	10,000	kg	Stimulation cher	mical storage area										report
DCA-23003 Friction Reducer	18,000	36,000	L	Stimulation cher	mical storage area	Stimulation Chemicals	1	T	T	I				T	
DCA-25005 Gelling Agent	35,000	70,000	kg	Stimulation cher	mical storage area	Acetic acid - 60% pH control	3,000	9,000	L	Stimulation storage area		Acetic acid		<mark>64-19-7</mark>	AECOM, 2024a –
DCA-30001 Scale Inhibitor	15,000	30,000	L	Stimulation cher	nical storage area	Control				Storage area					Appendix E
DCA-32002 Surfactant	15,000	30,000	L	Stimulation cher	nical storage area										EHS
DCA-32014 Surfactant	200	400	L	Stimulation cher	nical storage area										Support,
FE-2 Buffer	200	400	kg	Stimulation cher	nical storage area										(2023) – Appendix
Hydrochloric Acid - 32%	50,000	150,000	L	Stimulation cher	mical storage area										E.1
100 Mesh Sand- Proppant	91,000	182,000	kg	Stimulation cher	nical storage area	BE-9 biocide	17,000	17,000	L	Stimulation		Tributyl tetra		81741-28-8	<mark>AECOM,</mark>
40/70 Sand- Proppant	1,650,000	3,300,000	kg	Stimulation cher	nical storage area					storage area	a	<mark>phosphoniur</mark>	<mark>n chloride</mark>		<mark>2024 –</mark> Appendix
30/50 Sand- Proppant	610,000	1,220,000	kg	Stimulation cher	nical storage area	Caustia and a liquid and	45.000	45.000	 	Stimulation	chemical	Caraltanaa laasala		4240.72.2	
Alcohols, C11-14-iso-, C13- rich,ethoxylated- Surfactant	5285	10570	L	Stimulation cher	nical storage area	Caustic soda liquid - pH control / <mark>buffer</mark>	15,000	45,000	-	storage area		<mark>Sodium hydr</mark>	oxide	1310-73-2	AECOM, 2024a – Appendix E
Sodium (C14-16) olefin sulfonate - Surfactant	4658	9316	L	Stimulation cher	nical storage area										EHS Support,
Diisobutyl glutarate - plasticiser	627	1254	L	Stimulation cher	nical storage area										(2023) – Appendix
Diisobutyl succinate - plasticiser	209	418	L	Stimulation cher	nical storage area										E.1 AECOM,
Diisobutyl adipate- plasticiser	179	358	L	Stimulation cher	mical storage area										2024b –
sodium thiosulphate- stabilising agent	4763	9527	L	Stimulation cher	mical storage area					Chianalatia	ala anala al				Appendix E.2
sodium sulphate stabilising agent	913	1827	L	Stimulation cher	mical storage area	DCA-11001 breaker activator	5,000	15,000	L	Stimulation storage area		<mark>Diethanolam</mark>	ine	<mark>111-42-2</mark>	AECOM, 2024a – Appendix E
sodium sulphite stabilising agent	794	1588	L	Stimulation cher	mical storage area	DCA-13002 breaker	300	900	kg	Stimulation		Sodium persi	ulfate	<mark>7775-27-1</mark>	AECOM,
Ethylene Glycol- Crosslinker	5112	10225	L	Stimulation cher	mical storage area					storage area	a				<mark>2024a –</mark> Appendix E
Choline Chloride- Claystabiliser	10301	20603	L		mical storage area	DCA-13003 breaker	10,000	30,000	L	Stimulation storage area			d, sodium salt	7758-19-2	AECOM, 2024a –
Glutaraldehyde- Biocide	14930	29859	L	Stimulation cher	mical storage area					3torage area	١	Sodium chlor	<mark>ride</mark>	<mark>7647-14-5</mark>	Appendix E
Ammonium Sulphate- Breaker	4479	8958	L	Stimulation cher	mical storage area	DCA-16001 clay stabiliser	42,000	126,000	L	Stimulation storage area		Contains no l	hazardous n concentrations	Proprietary	AECOM, 2024a –
Polyacrylamide- Friction reducer	4479	8958	L	Stimulation cher	mical storage area					Jest age arec		above cut-of			Appendix E
Sodium polyacrylate- gelling agent	746	1493	L	Stimulation cher	mical storage area	DCA-17001 corrosion	1,000	3,000	1	Stimulation		authority Diethylene gl		111-46-6	AECOM,
Sodium bisulfite- stabiliser	149	299	L	Stimulation cher	nical storage area	inhibitor	1,000	3,000	-	storage area		Cinnamaldeh		104-55-2	<mark>2024a –</mark>
Alkyl Alcohol- surfactant	149	299	L	Stimulation cher	mical storage area							Amine oxides		61788-90-7	Appendix E
2-Propenoic acid, homopolymer, ammonium salt- biocide	149	299	L	Stimulation cher	nical storage area							cocoalkyldim Methanol Benzaldehyd	nethyl	67-56-1 100-52-7	
Potassium persulfate-braker	149	299	L	Stimulation cher	nical storage area								2-16, ethoxylated	68551-12-2 7681-82-5	

Interest holder	Tamboran B	32 Pty Ltd		EMP Title		well Drilling, Stimulation and loration Permit (EP) 98 & 76 It Plan	Unique EMP ID		ORI10	-3 Mod #		8	Date	26 March 2	2025
		Curre	nt EMP te	ext						Amended EMP	text				
2-Ethoxy-naphthalene-	149	299	L	Stimulation cher	nical storage area						So	<mark>dium iodide</mark>			
surfactant						DCA-19001 crosslinker	600	1,800	kg	Stimulation chemic	al Dis	sodium octa	<mark>iborate</mark>	12008-41-2	AECOM,
Sodium Gluconate- stabiliser	8576	17152	L		mical storage area					storage area	te	<mark>trahydrate</mark>			<mark>2024a –</mark>
Boric -Crosslinker	4288	8576	L	Stimulation cher	mical storage area						_				Appendix E
Potassium Hydroxide- pH control	10745	21491	L	Stimulation cher	mical storage area	DCA-19002 crosslinker	10,000	30,000	L	Stimulation chemic storage area		<mark>exite</mark> hylene glyco	ol.	1319-33-1 107-21-1	AECOM, 2024a –
Mannanase- Cross linker	2	4	L	Stimulation cher	nical storage area							ystalline sili		14808-60-7	Appendix E
Ammonium Persulphate- breaker	7451	14902	L	Stimulation cher	nical storage area	DCA-23001 friction reducer	5,000	15,000	kg	Stimulation chemic storage area	al <mark>Co</mark>	ntains no h		Proprietary	AECOM, 2024a –
Talc- buffer	384	769	L	Stimulation cher	mical storage area					Storage area		ove cut-off			Appendix E
Sodium Bromate- breaker	50441	100881	L	Stimulation cher	nical storage area								he competent		
Hepta sodium phosphonate-	3176	6351	L	Stimulation cher	nical storage area				<u> </u>	Stimulation chemic		ıthority			
Emulsifier						DCA-23003 friction reducer	18,000	54,000	L	storage area	,	odrotreated stillate	light petroleum	64742-47-8	AECOM, 2024a –
DISTILLATES, HYDROTREATED LIGHT- friction reducer	54231	108462	L	Stimulation cher	nical storage area	reducer				storage area	Etl	hoxylated b	ranched C13	78330-21-9 126-96-5	Appendix E
Guar Gum- Viscocity regulator	15141	30282	L	Stimulation cher	mical storage area							<mark>cohol</mark> dium diacet	<mark>:ate</mark>		
Polyoxyethylene nonylphenol	4466	8933	L	Stimulation cher	nical storage area	DCA-25005 gelling agent	35,000	105,00	kg	Stimulation chemic storage area	0	ntains no h	azardous concentrations	Proprietary	AECOM, 2024a –
ether- surfactant Quaternary ammonium	4466	8933		Stimulation cher	mical storage area					Storage area		ove cut-off			Appendix E
compounds,	4400	8555	L	Stillidiation their	ilical storage area								he competent		
bis(hydrogenated tallow alkyl)dimethyl, salts with						DCA-30001 scale	15,000	45,000	L	Stimulation chemic	al <mark>Co</mark>	ithority Intains no h		Proprietary	AECOM,
bentonite- biocide 1,6-Hexanediol- cross linker	447	893		Chima ulatia maham		Inhibitor				storage area			concentrations		<mark>2024a –</mark> Appendix E
,			L		mical storage area	<u> </u>						ove cut-off	values :he competent		Appendix L
Quartz or Organophilic phyllosilicate- proppant	1084	2167	L		nical storage area				<u> </u>	Ctimulation showi	au	<mark>ithority</mark>			
HydroChloric Acid- pH control	44715	89430	L	Stimulation cher	nical storage area	DCA-32002 surfactant	15,000	45,000		Stimulation chemic storage area	1 1 1	cohols, C6-C opoxylated	212, ethoxylated	68937-66-6 69227-22-1	AECOM, 2024a –
N-Benzyl-Alkylpyridinium Chloride- pH control	28	57	L	Stimulation cher	mical storage area							cohols, C10- hoxylated p	·C16, ropoxylated		Appendix E
Formic Acid- corrosion inhibitor	38	76	L	Stimulation cher	nical storage area	DCA-32014 surfactant	200	600	L	Stimulation chemic storage area	,	odrotreated stillate	light petroleum	64742-47-8	AECOM, 2024a –
Sodium erythorbate- scaler prohibitor	334	668	L	Stimulation cher	nical storage area					storage area	Etl	<mark>hanol</mark>		64-17-5 61791-00-2	Appendix E
Citric Acid- pH control	15878	31756	L	Stimulation cher	mical storage area	 						tty acids, ta hoxylated	ll-oil,	<mark>68131-39-5</mark>	
Acetic Acid- pH control	15878	31756	L		nical storage area	 							xylated alcohols	<mark>68155-20-4</mark>	
Isopropanol- clay	83	167			nical storage area								il fatty, N,N-	71-36-3	
management		107	_	Samulation cher	a. storage area							s(hydroxyet		<mark>67-56-1</mark>	
Ethoxylated C12-C16 Alcohol - surfactant	57	114	L	Stimulation cher	nical storage area							ityl alcohol ethanol			
Ethoxylated Decanol - surfactant	19	38	L	Stimulation cher	nical storage area	FE-2 buffer	200	600	kg	Stimulation chemic storage area	_	tric acid		<mark>77-92-9</mark>	AECOM, 2024a –
Cinnamaldehyde- biocide	57	114	L	Stimulation cher	nical storage area					Storage area					Appendix E
Ethoxylated Tallow Alkyl Amine - surfactant	9	19	L	Stimulation cher	mical storage area	Hydrochloric acid - 32%	50,000	150,000	L	Stimulation chemic storage area	al Hy	<mark>drochloric a</mark>	acid (32%)	<mark>7647-01-0</mark>	AECOM, 2024a –
Methanol- corrosion inhibitor	2	4	L	Stimulation cher	nical storage area					storage area					Appendix E

Interest holder	Tamboran	B2 Pty Ltd		EMP Title	Well Te	oo Sub-basin Multi-well Dr esting Program Exploration nment Management Plan	=	Unique EMP ID		ORI10	i-3	Mod#	8	Date	2	26 March 2	2025
		Curre	nt EMP te	ext							Amend	ed EMP tex	ct				
Polyacrylamide - friction reducer	49093	98186	L	Stimulation ch	nemical stor	rage area	Alcohols, C11-14-iso-, C13-rich, ethoxylated-	5,285	15,855	L	Stimulati storage a	on chemical rea	Alcohols, C		C13-	78330-21-9	<mark>AECOM,</mark> 2024a –
Polyethylene glycol trimethylnonyl ether - clay manager	87	173	L	Stimulation ch	nemical stor	rage area	surfactant										Appendix E EHS Support,
Water in Additive- stabiliser	66804	133607	L	Stimulation ch	nemical stor	rage area	1										(2023) –
Potassium Sorbate Food Grade- corrosion inhibitor	14	29	L	Stimulation ch	nemical stor	rage area					Chimanalahi						Appendix E.1
Mannanase (Mannan endo- 1,4-beta-mannosidase)- cross linker	2	4	L	Stimulation ch	nemical stor	rage area	Sodium (C14-16) olefin sulfonate - surfactant	4,658	13,974		storage a	on chemical rea	Sodium (C1 sulfonate	l4-16) olefi	i <mark>n</mark>	68439-57-6	EHS Support, (2023) – Appendix
Nonoxynol-9- surfactant	9	19	kg	Stimulation ch	nemical stor	rage area]										E.1
2-Ethylhexanol PO/EO polymer- stabiliser	9	19	kg	Stimulation ch	nemical stor	rage area	Diisobutyl glutarate - plasticiser	627	1,881	L	Stimulati storage a	on chemical rea	Diisobutyl	glutarate		71195-64-7	EHS Support,
Corn Oil- friction reducer	662	1325	kg	Stimulation ch	nemical stor	rage area]										(2023) –
Sodium hypochlorite	10,000	30,000	L	Completion ch	hemical stor	rage area]										Appendix E.1
Sodium Chloride- weighting agent	15,000	30,000	kg	Completion ch	hemical stor	rage area	Diisobutyl succinate - plasticiser	209	627	L	Stimulati storage a	on chemical	Diisobutyl :	succinate		925-06-4	EHS Support,
ALDACIDE G Biocide	500	1,000	L	Completion ch	hemical stor	rage area	T productions										<mark>(2023) –</mark>
OXYGON Oxygen scavenger	100	200	kg	Completion ch	hemical stor	rage area]										Appendix E.1
BARACOR 100 corrosion inhibitor	2,000	4,000	L	Completion ch	hemical stor	rage area	Diisobutyl adipate-	179	537	L		on chemical	Diisobutyl	<mark>adipate</mark>		141-04-8	EHS
CON-DET wetting agent	50	100	kg	Drilling chemic	cal storage	area	plasticiser				storage a	rea					Support, (2023) –
SAPP- sodium Acid Phosphate cement treatment	50	100	kg	Drilling chemic	cal storage	area]										Appendix E.1
Bentonite- lubricant	3,000	6,000	kg	Drilling chemic	cal storage	area	Sodium thiosulphate-	4,763	14,289	L		on chemical	Sodium thi	<mark>osulphate</mark>		7772-98-7	EHS
Caustic Soda-pH control	1,400	2,800	kg	Drilling chemic	cal storage	area	stabilising agent				storage a	rea					Support, (2023) –
EZ MUD DP or EZ MUD Liquid- drilling mud	2000	4,000	kg	Drilling chemic	cal storage	area]										Appendix E.1
ALDACIDE G Biocide	336	672	kg	Drilling chemic	cal storage	area	Sodium sulphate	913	2,739	L	Stimulati	on chemical	Sodium sul	<mark>phate</mark>		7757-82-6	AECOM,
STOPPIT Loss of circulation material	1,000	2,000	kg	Drilling chemic	cal storage	area	stabilising agent				storage a	rea					2024a – Appendix E
Soda Ash- drill mud conditioner	350	700	kg	Drilling chemic	cal storage	area]										EHS Support, (2023) –
BARACOR 100 Corrosion inhibitor	250	500	kg	Drilling chemic	cal storage	area]										Appendix E.1
Sodium Chloride (Flossy Salt)- weighting agent and formation inhibitor	96,000	192,000	kg	Drilling chemic	cal storage	area	Sodium sulphite stabilising agent	794	2,382	L	Stimulati storage a	on chemical rea	Sodium sul	phite		7757-83-7	AECOM, 2024a – Appendix E
Barite- weighting agent	500	1,000	kg	Drilling chemic	cal storage	area	1										EHS
BARACARB loss of circulation material	500	1,000	kg	Drilling chemic	cal storage	area											Support, (2023) –
Citric Acid- pH control	500	1,000	kg	Drilling chemic	cal storage	area]										Appendix E.1
BARADEFOAM HP Drilling fluid/foam	500	1,000	kg	Drilling chemic	cal storage	area	Ethylene glycol- crosslinker	<mark>8,416</mark>	<mark>25,247</mark>	L	Stimulati	on chemical rea	Ethylene gl	lycol		107-21-1	AECOM, 2024a –
Sodium Bicarbonate- pH buffer	500	1,000	kg	Drilling chemic	cal storage	area	Anti-freeze					·-					Appendix E

Interest holder	Tamboran	B2 Pty Ltd		EMP Title	Well Testi	lling, Stimulation and Permit (EP) 98 & 76	Unique EMP ID		ORI10	-3 Mo	i#	8	Date	26 March	2025
		Curre	ent EMP te	ext						Amended El	/IP text				
PERFORMATROL- polymer fluid system	500	1,000	kg	Drilling chemic	cal storage area										EHS Support,
SOURSCAV- mud additive treat H2S contamination	500	1,000	kg	Drilling chemic	cal storage area										(2023) – Appendix
DRIL-N-SLIDE- Casing lubricant	500	1,000	kg	Drilling chemic	cal storage area										E.1 AECOM,
STEELSEAL- corrosion inhibitor	500	1,000	kg	Drilling chemic	cal storage area										2024b – Appendix E.2
BARAZAN D or BARAZAN D PLUS- viscosity increaser	4,150	8,300	kg	Drilling chemic	cal storage area	Choline chloride- clay stabiliser / clay swelling	67,750	203,250	L	Stimulation che storage area	mical C	Choline chlori	ide	67-48-1	AECOM, 2024a –
PAC L Loss of circulation material	2,300	4,600	kg	Drilling chemic	cal storage area	control (2-hydroxy-N,N,N-				Storage area					Appendix E EHS
Potassium Chloride- weighting agent and formation inhibitor	22,500	45,000	kg	Drilling chemic	cal storage area	trimethylethanaminium chloride)									Support, (2023) – Appendix
GEM CP/GP Shale stabiliser	500	1,000	kg	Drilling chemic	cal storage area										E.1
QUIK-FREE – drilling additive	500	1,000	kg	Drilling chemic	cal storage area										AECOM, 2024b —
BAROFIBRE, BAROFIBRE Superfine and BAROFIBRE COARSE Loss of circulation material	500	1,000	kg	Drilling chemic	cal storage area	Glutaraldehyde- biocide	14,930	44,790	L	Stimulation che	mical <mark>G</mark>	Glutaraldehyd	de de	111-30-8	Appendix E.2 AECOM, 2024a –
BaraBlend-657 Loss of circulation material	500	1,000	kg	Drilling chemic	cal storage area					storage area					Appendix E EHS
N-DRIL HT PLUS filtration control additive	500	1,000	kg	Drilling chemic	cal storage area										Support, (2023) –
DEXTRID LTE filtration control additive	4,600	13,800	kg	Drilling chemic	cal storage area										Appendix E.1
BARABUF pH buffer	500	1,000	kg	Drilling chemic	cal storage area										AECOM, 2024b —
BORE-HIB shale stabiliser	500	1,000	kg	Drilling chemic	cal storage area										<mark>Appendix</mark>
BDF 933 or BaraLube W-933 drilling lubricant	864	1,728	kg	Drilling chemic	cal storage area	Ammonium sulphate-	4,479	13,491	L	Stimulation che	mical A	Ammonium s	ulphate	7783-20-2	E.2 AECOM,
BAROLIFT sweeping agent	500	1,000	kg	Drilling chemic	cal storage area	breaker				storage area					<mark>2024a –</mark> Appendix E
OXYGON Oxygen scavenger	500	1,000	kg	Drilling chemic	cal storage area										EHS
ENVIRO-THIN filtration control additive	500	1,000	kg	Drilling chemic	cal storage area										Support, (2023) –
Lime pH buffer	500	1,000	kg	Drilling chemic	cal storage area										Appendix E.1
BDF 677 Clay stabiliser	4,770	9,540	kg	Drilling chemic	cal storage area	Polyacrylamide- friction	4,479	13,491	<u> </u>	Stimulation che	mical p	olyacrylamic	<u> </u>	25085-02-3	AECOM,
BDF 988 Clay stabiliser	3,390	6,780	kg	Drilling chemic	cal storage area	reducer	7,473	15,431	-	storage area		Jiyaci ylaiille	~~	23003 02.3	<mark>2024a –</mark>
SARALINE 185V- Synthetic based mud	299,800	599,600	kg	Drilling chemic	cal storage area										Appendix E EHS
NOVATEC P emulsifier for SBM	13,110	26,220	kg	Drilling chemic	cal storage area										Support, (2023) – Appendix
NOVATEC S emulsifier SBM	5700	11,400	kg	Drilling chemic	cal storage area										E.1
Calcium Chloride weighting agent SBM	37,000	74,000	kg	Drilling chemic	cal storage area	Sodium polyacrylate- gelling agent	746	2,238	L	Stimulation che storage area	mical <mark>S</mark>	Sodium polya	<mark>crylate</mark>	9003-04-7	AECOM, 2024a –
VG SUPREME clay viscosifier SBM	11,350	22,700	kg	Drilling chemic	cal storage area				<u> </u>						Appendix E

Interest holder	Tamboran	B2 Pty Ltd		EMP Title		i-well Drilling, Stimulation and ploration Permit (EP) 98 & 76 int Plan	Unique EMP ID		ORI10	-3 Mod #	8	Date	26 March 2	2025
		Curre	ent EMP te	ext						Amended EMP te	xt			
M-I BAR weighting agent SBM	193,500	169,500	kg	Drilling chemica	al storage area									EHS Support,
NOVATEC F emulsifier SBM	3,610	7,220	kg	Drilling chemica	al storage area									(2023) – Appendix
NOVATEC transferred emulsifier SBM	1770	1770	kg	Drilling chemica	ıl storage area	Codi un bissifia	140	447		Stimulation chemical	Carlinga	164	7524 00 5	E.1
Waste drilling fluids	2,500	2,500	m³	Drilling mud sur	mp	Sodium bisulfite- stabiliser	149	447	L	storage area	Sodium b	sulfite	<mark>7631-90-5</mark>	AECOM, 2024a –
Completion fluids	1.4	1.4	ML	Drilling mud sur	mp/on-site tank									Appendix
Condensate	160	320	KL	Condensate sto	rage area									EHS Support,
Diesel	250	500	KL	Diesel storage t	anks									<mark>(2023) –</mark>
Hydraulic oil	1,000	3,000	L	Workshop										Appendix E.1
Engine oil	1,000	3,000	L	Workshop		Alkyl alcohol- surfactant	149	447	L	Stimulation chemical	Alkyl alco	hol	<mark>56-81-5</mark>	EHS
Degreasers	100	300	L	Workshop						storage area				Support, (2023) –
Flowback	<10	13.8	ML	Flowback tanks										Appendix E.1
						ammonium salt- biocide Potassium persulfate-	otassium persulfate- 149		L	Stimulation chemical	salt	ymer, ammonium	7727-21-1	2024a – Appendix EHS Support, (2023) – Appendix E.1
						braker				storage area				2024a – Appendio EHS Support, (2023) – Appendio E.1
						2-Ethoxy-naphthalene- surfactant	149	447	L	Stimulation chemical storage area	2-Ethoxy-	naphthalene	93-18-5	EHS Support, (2023) – Appendix E.1
						Sodium gluconate- stabiliser	8,576	25,728	L	Stimulation chemical storage area	Sodium g	uconate	527-07-1	EHS Support, (2023) – Appendix E.1
						Boric acid- crosslinker	4,288	12,864	L	Stimulation chemical storage area	Boric acid		10043-35-3	EHS Support, (2023) – Appendix E.1 AECOM, 2024b – Appendix E.2

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well Dr Well Testing Program Exploration Environment Management Plan		Unique EMP ID		ORI10-3	3 Mod #	8	Date	26 March 2	2025
	Current EM	P text						Amended EMP te	xt			
				Potassium hydroxide- pH control	10,745	32,235	1	Stimulation chemical storage area	Potassium hy	droxide	1310-58-3	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1
				Mannanase- crosslinker	2	6	1	Stimulation chemical storage area	Mannanase		37288-54-3	EHS Support, (2023) – Appendix E.1
				Ammonium persulphate- breaker	7,451	22,353	1 - 1	Stimulation chemical storage area	Ammonium p	ersulphate	7727-54-0	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1 AECOM,
				Diammonium peroxidisulphate – Oxidizing viscosity breaker								2024b – Appendix E.2
				Talc- buffer/ Filler for encapsulate	384	1,152	1	Stimulation chemical storage area	Talc, Magnes	um Silicate	14807-96-6	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1 AECOM, 2024b – Appendix E.2
				Sodium bromate- breaker	50,441	151,323		Stimulation chemical storage area	Sodium brom	<mark>ate</mark>	7789-38-0	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1
				Hepta sodium phosphonate- Emulsifier	3,176	9,528		Stimulation chemical storage area	Hepta sodiun	ı phosphonate	22042-96-2	AECOM, 2024a – Appendix E EHS Support, (2023) –

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well Do Well Testing Program Exploration Environment Management Plan		Unique EMP ID		ORI10	-3 Mod #	8	Date	26 March 2	2025
	Current EMI	text						Amended EMP te	xt			
												Appendix E.1
				Distillates, hydrotreated light- friction reducer/slurry agent	54,231	162,693	L	Stimulation chemical storage area	Distillates, hyd	otreated light	64742-47-8	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1 AECOM, 2024b – Appendix
				Guar gum- viscosity regulator	15,141	45,423	L	Stimulation chemical storage area	Guar gum		9000-30-0	E.2 AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1 AECOM, 2024b – Appendix E.2
				Poly-oxyethylene nonylphenol ether- surfactant	4,466	13,398	L	Stimulation chemical storage area	Poly-oxyethyle ether	ne nonylphenol	9016-45-9	EHS Support, (2023) – Appendix E.1
				Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite-biocide	4,466	13,398	L	Stimulation chemical storage area	Quaternary am compounds, bis(hydrogenaralkyl)dimethyl, bentonite	ed tallow	68953-58-2	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1
				1,6-Hexanediol- cross linker	447	1,341	L	Stimulation chemical storage area	1,6-Hexanedio		629-11-8	EHS Support, (2023) – Appendix E.1
				Hydrochloric acid- pH control	44,715	134,145	L	Stimulation chemical storage area	Hydrochloric a	sid	7647-01-0	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well Drill Well Testing Program Exploration E Environment Management Plan		Unique EMP ID		ORI10	-3 M o	od #	8	Date	26 March 2	2025
	Current EMP to	ext						Amended E	MP text				
				N-Benzyl- alkylpyridinium chloride- pH control	28	84	L	Stimulation che storage area		N-Benzyl-alky chloride	<mark>lpyridinium</mark>	68909-18-2	EHS Support, (2023) – Appendix E.1
				Formic acid- corrosion inhibitor	2,001	6,002	L	Stimulation cho storage area	emical F	ormic acid		64-18-6	EHS Support, (2023) – Appendix E.1 AECOM, 2024b – Appendix E.2
				Sodium erythorbate- scaler prohibitor/Reducing Agent	2,001	6,002	L	Stimulation che storage area	emical s	odium eryth	orbate	6381-77-7	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1 AECOM, 2024b – Appendix E.2
				Citric acid- pH control	15,878	47,634	L	Stimulation che storage area	emical <mark>c</mark>	Citric acid		77-92-9	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1
				Acetic acid- pH Buffer	15,878	47,634	L	Stimulation che storage area	emical A	Acetic acid		64-19-7	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1 AECOM, 2024b – Appendix E.2
				Isopropanol- clay management	83	249	L	Stimulation che storage area	emical I	sopropanol		67-63-0	AECOM, 2024a – Appendix E EHS Support, (2023) –

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well I Well Testing Program Explorati Environment Management Plan	on Permit (EP) 98 & 76	Unique EMP ID		ORI10	-3 Mod #	!	8	Date	26 March 2	2025
	Current EMP t	ext						Amended EMP	text				
													Appendix E.1
				Ethoxylated C12-C16 alcohol - surfactant	57	171	L	Stimulation chemi storage area	cal <mark>Et</mark>	thoxylated C	12-C16 alcohol	68551-12-2	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1
				Ethoxylated decanol - surfactant	19	57	L	Stimulation chemi storage area	cal <mark>Et</mark>	thoxylated d	<mark>ecanol</mark>	26183-52-8	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1
				Cinnamaldehyde- biocide / Corrosion inhibitor	1,000	3,000	L	Stimulation chemi storage area	cal <mark>Ci</mark>	innamaldeh	<mark>/de</mark>	104-55-2	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1 AECOM, 2024b – Appendix E.2
				Ethoxylated tallow alkyl amine - surfactant	9	27	L	Stimulation chemi storage area		thoxylated t mine	allow alkyl	61791-26-2	EHS Support, (2023) – Appendix E.1
				Methanol- corrosion inhibitor	2	6	L	Stimulation chemi storage area	cal M	1ethanol		67-56-1	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1
				Polyacrylamide - friction reducer	49,093	147,279	L	Stimulation chemi storage area	cal Po	olyacrylamic	de	9003-05-08	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1 AECOM, 2004 –

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well Dril Well Testing Program Exploration Environment Management Plan		Unique EMP ID		ORI10	-3 Mod #		8 D a	ate	26 March 2	2025
	Current EMP t	ext						Amended EMP t	ext				
													Appendix E.2
				Polyethylene glycol trimethylnonyl ether - clay manager/ Emulsifier	748	<mark>2,243</mark>	L	Stimulation chemica storage area	,	vethylene glyco nethylnonyl eth		127087-87- 0	EHS Support, (2023) – Appendix E.1 AECOM, 2024 - Appendix E.2
				Water in additive- stabiliser	66,804	200,412	L	Stimulation chemica storage area	l Wat	ter in additive		7732-18-5	EHS Support, (2023) – Appendix E.1
				Potassium sorbate food grade- corrosion inhibitor	14	42	L	Stimulation chemica storage area	Pota	assium sorbate		127087-87- 0 127087-87- 0 7732-18-5 24634-61-5 37288-54-3 26571-11-9 64366-70- 7 8001-30-7 Proprietary	EHS Support, (2023) – Appendix E.1
				Mannanase (Mannan endo-1,4-beta- mannosidase)- cross linker	2	6	L	Stimulation chemica storage area		nnanase (Mann -beta-mannosio		37288-54-3	EHS Support, (2023) – Appendix E.1
				Nonoxynol-9- surfactant <mark>/Emulsifier</mark>	51	153	L	Stimulation chemica storage area	l Non	oxynol-9		26571-11-9	EHS Support, (2023) – Appendix E.1 AECOM, 2024b – Appendix E.2
				2-Ethylhexanol PO/EO polymer- stabiliser	9	27	L	Stimulation chemica storage area		hylhexanol PO, ymer	/EO	64366-70- 7	EHS Support, (2023) – Appendix E.1
				Corn oil- friction reducer	662	1,986	L	Stimulation chemica storage area	Corn	n oil		8001-30-7	EHS Support, (2023) – Appendix E.1
				Proprietary – SCI-1F Scale inhibitor	19,357	58,071	L	Stimulation chemica storage area	cher hum envi PBT	ed on the CRA, mical is of low nan health and ironment. Cher and calculated thresholds.	concern to the micals were	Proprietary	AECOM, 2024b – Appendix E.2
				Proprietary – surface coating	44	<mark>131</mark>	L	Stimulation chemica storage area		ed on the CRA, mical is of low		Proprietary	AECOM, 2024b –

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well Dri Well Testing Program Exploration Environment Management Plan	-	Unique EMP ID		ORI10)-3 Mod #	8	Date	26 March 2	2025
	Current EN	/IP text						Amended EMP to	ext		497-19-8 Proprietary	
										nt. Chemicals were culated below the		Appendix E.2
				Sodium carbonate – pH buffer	<mark>78.5</mark>	<mark>236</mark>	L	Stimulation chemical storage area	Sodium carl	<mark>oonate</mark>	<mark>497-19-8</mark>	AECOM, 2024b – Appendix E.2
				Proprietary – improves surface and interfacial tension	292	<mark>876</mark>	L	Stimulation chemical storage area	human hea environmer	of low concern to th and the at. Chemicals were culated below the	Proprietary	AECOM, 2024b – Appendix E.2
				Proprietary – surfactant	7,592	<mark>22,776</mark>	L	Stimulation chemical storage area	human hea environmer	of low concern to lth and the nt. Chemicals were culated below the	Proprietary	AECOM, 2024b – Appendix E.2
				Alkyl Pyridines Quat – Corrosion inhibitor	128	<mark>384</mark>	L	Stimulation chemical storage area	Alkyl Pyridir	nes Quat	68909-18- 2	AECOM, 2024b – Appendix E.2
				Polymer/s - Isotridecanol, ethoxylated - Emulsifier	5,742	17,225	L	Stimulation chemical storage area	Isotridecand	ol, ethoxylated	69011-36- 5	AECOM, 2024b – Appendix E.2
				HCL-15B — Hydrochloric acid Blend — mineral acid	76,201	228,603	L	Stimulation chemical storage area	Hydrochlori	<mark>c acid</mark>	7647-01-0	AECOM, 2024b – Appendix E.2
				Proprietary - Emulsifier	8,614	25,842	L	Stimulation chemical storage area	chemical is human hea environmer	of low concern to lth and the nt. Chemicals were culated below the	Proprietary	AECOM, 2024b – Appendix E.2
				Didecyldimethyl- ammonium Chloride - Biocide	1,936	5,807	L	Stimulation chemical storage area	Didecyldime Chloride	ethyl-ammonium	7173-51-5	AECOM, 2024b – Appendix E.2
				Benzalkonium Chloride – Biocide	1,936	<mark>5,807</mark>	L	Stimulation chemical storage area	Benzalkoniu	m Chloride	8001-54-5	AECOM, 2024b – Appendix E.2
				Proprietary – Improve surface and interfacial tension	1,022	3,066	L	Stimulation chemical storage area	human hea environmer	of low concern to lth and the nt. Chemicals were culated below the	Proprietary	AECOM, 2024b – Appendix E.2

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well Dril Well Testing Program Exploration Environment Management Plan	=	Unique EMP ID		ORI10	-3 Mod	#	8	Date	26 March 2	2025
	Current EMP to	ext						Amended EN	IP text				
				Proprietary – Improve surface and interfacial tension	341	<mark>1,022</mark>	L	Stimulation cher storage area	(H	human health environment.	low concern to and the Chemicals were lated below the	Proprietary	AECOM, 2024b – Appendix E.2
				Completion chemicals			_		<u> </u>				
				Sodium chloride- weighting agent	15,000	45,000	kg	Completion cher storage area	mical S	odium chlori	<mark>de</mark>	<mark>7647-14-5</mark>	AECOM, 2024a – Appendix E
				ALDACIDE G biocide	500	1,500	L	Completion cher storage area		Glutaraldehyd Methanol	e	111-30-8 67-56-1	AECOM, 2024a – Appendix E
				OXYGON Oxygen scavenger	100	300	kg	Completion cher storage area		above cut-off	concentrations	Proprietary	AECOM, 2024a – Appendix E
				BARACOR 100 corrosion inhibitor	2,000	6,000	L	Completion cher storage area	1	Ethanol, 2,2'-c products with morpholine de		68909-77- 3	AECOM, 2024a – Appendix E
									n n s	residues Methanol Nitrilotriacetio salt monohyd	acid, trisodium rate	67-56-1 5064-31-3	
				Sodium Hypochlorite 10 - 30% cleaner	10,000	30,000	L	Completion cher storage area	s	Sodium hypod Sodium Hydro Water		7681-52-9 1310-73-2 7732-18-5	AECOM, 2024a – Appendix E
				Drilling chemicals			,					•	
				CON-DET wetting agent	50	150	kg	Drilling chemical storage area	(E (I:	Amides, coco, (hydroxyethyl Benzenesulfor dimethyl-, soc sopropanol Potassium pyr Potassium hyd) nic acid, lium salt ophosphate	68603-42- 9 1300-72-7 67-63-0 7320-34-5 1310-58-3	AECOM, 2024a – Appendix E
				SAPP- sodium acid phosphate cement treatment	50	150	kg	Drilling chemica storage area	[DISODIUM PY	ROPHOSPHATE	7758-16-9	AECOM, 2024a – Appendix E
				Bentonite- lubricant	3,000	9,000	kg	Drilling chemica storage area	C	Crystalline sili Crystalline sili Crystalline sili	ca, cristobalite	14808-60- 7 14464-46- 1 15468-32-	AECOM, 2024a – Appendix E
				Caustic Soda-pH control	1,400	4,200	kg	Drilling chemica storage area	S	Sodium hydro	xide	1310-73-2	AECOM, 2024a – Appendix E

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well Dr Well Testing Program Exploration Environment Management Plan	-	Unique EMP ID		ORI10	-3	Mod #	8	Date	26 March 2	2025
	Current EMP	text						Amend	ed EMP text				
				EZ MUD DP or EZ MUD Liquid- drilling mud	2000	6,000	kg	Drilling cl storage a	irea	above cut-off	concentrations	Proprietary	AECOM, 2024a – Appendix E
				ALDACIDE G biocide	336	1,008	kg	Drilling cl storage a	'	Glutaraldehyd Methanol	<mark>le</mark>	111-30-8 67-56-1	AECOM, 2024a – Appendix E
				STOPPIT loss of circulation material	1,000	3,000	kg	Drilling cl storage a		Crystalline sili	<mark>ca, quartz</mark>	14808-60- 7	AECOM, 2024a – Appendix E
				Soda Ash- drill mud conditioner	350	1,050	kg	Drilling cl storage a		Sodium carbo	<mark>nate</mark>	497-19-8	AECOM, 2024a – Appendix E
				BARACOR 100 corrosion inhibitor	250	750	kg	Drilling cl storage a	irea	products with morpholine d residues Methanol	erivatives c acid, trisodium	68909-77- 3 67-56-1 5064-31-3	AECOM, 2024a – Appendix E
				Sodium chloride (flossy salt)- weighting agent and formation inhibitor	96,000	288,000	kg	Drilling cl storage a	hemical	Sodium chlori		<mark>7647-14-5</mark>	AECOM, 2024a – Appendix E
				Barite- weighting agent	500	1,500	kg	Drilling cl storage a		Crystalline sili	<mark>ca</mark>	14808-60- 7	AECOM, 2024a – Appendix E
				BARACARB loss of circulation material	500	1,500	kg	Drilling cl storage a		Crystalline sili	<mark>ca, quartz</mark>	14808-60- 7	AECOM, 2024a – Appendix E
				Citric acid- pH control	500	1,500	kg	Drilling cl storage a		Citric acid		5949-29-1	AECOM, 2024a – Appendix E
				BARADEFOAM HP drilling fluid/foam	500	1,500	kg	Drilling cl storage a	rea	above cut-off	concentrations	67-56-1 14808-60- 7 497-19-8 68909-77- 3 67-56-1 5064-31-3 7647-14-5 14808-60- 7 14808-60- 7 5949-29-1 Proprietary S Proprietary S	AECOM, 2024a – Appendix E
				Sodium bicarbonate- pH buffer	500	1,500	kg	Drilling cl storage a	irea	above cut-off	concentrations	Proprietary	AECOM, 2024a – Appendix E
				PERFORMATROL- polymer fluid system	500	1,500	kg	Drilling cl storage a	irea	above cut-off	concentrations	Proprietary	AECOM, 2024a – Appendix E

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well Di Well Testing Program Exploration Environment Management Plan	_	Unique EMP ID		ORI10	-3	Mod #	8	Date	26 March 2	2025
	Current EMP	text						Amendo	ed EMP tex	t		Proprietary Proprietary Proprietary Proprietary Proprietary Proprietary Proprietary Proprietary Proprietary Proprietary	
				SOURSCAV- mud additive treat H2S contamination	500	1,500	kg	Drilling ch storage a		above cut-of	concentrations	Proprietary	AECOM, 2024a – Appendix E
				DRIL-N-SLIDE- casing lubricant	500	1,500	kg	Drilling ch storage a		above cut-of	concentrations	Proprietary	AECOM, 2024a – Appendix E
				STEELSEAL- corrosion inhibitor	500	1,500	kg	Drilling ch storage a	rea	<mark>above cut-of</mark>	concentrations	Proprietary	AECOM, 2024a – Appendix E
				BARAZAN D or BARAZAN D PLUS- viscosity increaser	4,150	12,450	kg	Drilling ch storage a		above cut-of	concentrations	Proprietary Proprietary Proprietary Proprietary Proprietary Proprietary Proprietary Proprietary Proprietary 14808-60-7	AECOM, 2024a – Appendix E
				PAC L loss of circulation material	2,300	6,900	kg	Drilling ch storage a		above cut-of	concentrations	Proprietary	AECOM, 2024a – Appendix E
				Potassium chloride- weighting agent and formation inhibitor	22,500	67,500	kg	Drilling ch storage a		above cut-of	concentrations	Proprietary	AECOM, 2024a – Appendix E
				QUIK-FREE – drilling additive	500	1,500	kg	Drilling ch storage a		above cut-of	concentrations	Proprietary	AECOM, 2024a – Appendix E
				BAROFIBRE, BAROFIBRE super fine and BAROFIBRE coarse loss of circulation material	500	1,500	kg	Drilling ch storage a		above cut-of	concentrations	Proprietary	AECOM, 2024a – Appendix E
				BaraBlend-657 Loss of circulation material	500	1,500	kg	Drilling ch storage a		Crystalline sil	ica, quartz	14808-60- 7	AECOM, 2024a – Appendix E
				N-DRIL HT PLUS filtration control additive	500	1,500	kg	Drilling ch storage a		above cut-of	concentrations	Proprietary	AECOM, 2024a – Appendix E
				DEXTRID LTE filtration control additive	4,600	13,800	kg	Drilling ch storage a		Tetrahydro-3 1,3,5-thiadia	,5-dimethyl- zine-2-thione	533-74-4	AECOM, 2024a – Appendix E

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well D Well Testing Program Exploratio Environment Management Plan	n Permit (EP) 98 & 76	Unique EMP ID		ORI10	-3	Mod #	8	Date	26 March 2	2025
	Current EMP	text						Amende	ed EMP text	t		Proprietary Proprietary Proprietary Proprietary 1305-62-0 1305-62-0 143-22-6 111-76-2 111-42-2 Proprietary	
				BARABUF pH buffer	500	1,500	kg	Drilling ch storage ar	rea	above cut-off	concentrations	Proprietary	AECOM, 2024a – Appendix E
				BDF 933 or BaraLube W- 933 drilling lubricant	864	2,592	kg	Drilling ch storage ar	rea	above cut-off	concentrations	Proprietary	AECOM, 2024a – Appendix E
				BAROLIFT sweeping agent	500	1,500	kg	Drilling ch storage ar	rea	above cut-off	concentrations	Proprietary	AECOM, 2024a – Appendix E
				OXYGON oxygen scavenger	500	1,500	kg	Drilling ch storage ar	rea	above cut-off	concentrations	Proprietary	AECOM, 2024a – Appendix E
				ENVIRO-THIN filtration control additive	500	1,500	kg	Drilling ch storage ar	rea	above cut-off	concentrations	Proprietary	AECOM, 2024a – Appendix E
				Lime pH buffer	500	1,500	kg	Drilling ch storage ar		Calcium hydr	<mark>oxide</mark>	1305-62-0	AECOM, 2024a – Appendix E
				Calcium chloride	37,000	111,000	kg	Drilling ch storage ar		Calcium chlor	<mark>ide</mark>	10043-52- 4	AECOM, 2024a – Appendix E
				Sodium bromide	8,160	24,480	kg	Drilling ch storage ar		Sodium brom	<mark>ide</mark>	7647-15-6	AECOM, 2024a – Appendix E
				Evolube TR	14,500	43,500	L	Drilling ch storage ar	rea	Triethylene g ether 2-Butoxyetha Diethanolami		111-76-2	AECOM, 2024a – Appendix E
				Radiagreen EME	4,800	14,400	L	Drilling ch storage ar		Fatty esters Specialities		Proprietary	AECOM, 2024a – Appendix E
				Radiagreen EBL	4,800	14,400	L	Drilling ch storage ar		Fatty esters Specialities		Proprietary	AECOM, 2024a – Appendix E
				Polydrill	7,500	22,500	kg	Drilling ch storage ar		SULPHONATE POLYMER	D ORGANIC	Proprietary	AECOM, 2024a – Appendix E

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well Dr Well Testing Program Exploration Environment Management Plan		Unique EMP ID		ORI10	-3	Mod #	8	Date	26 March 2	2025
	Current EMP to	ext						Amend	led EMP text	;	•		
				Alpine spotting beads	1,000	3,000	kg	Drilling cl storage a		Styrene		100-42-5	AECOM, 2024a – Appendix E
				Barite- weighting agent	354,000	1,062,000	kg	Drilling cl storage a	area (Barium sulfat Crystalline sil Mica-group r	i <mark>ca</mark>	7727-43-7 14808-60- 7 12001-26- 2	AECOM, 2024a – Appendix E
				Bio-Paq high temp filtration control	1,134	3,402	kg	Drilling cl storage a		Starch, carbo sodium salt	xymethyl ether,	9063-38-1	AECOM, 2024a – Appendix E
				Brine-Pac XTS corrosion inhibitor	3,400	10,200	L	Drilling cl storage a		2-methylbut-	3-yn-2-ol	115-19-5	AECOM, 2024a – Appendix E
				Calcium chloride - salinity	180,000	540,000	kg	Drilling cl storage a	area	<mark>calcium chlo</mark> i	i <mark>de</mark>	10043-52- 4	AECOM, 2024a – Appendix E
				CF Desco deflocculant	2,270	6,810	kg	Drilling cl storage a	area		o-methylated ica, respirable	68201-64- 9 14808-60- 7	AECOM, 2024a – Appendix E
				Chek-Loss fibrous LCM	1,360	4,080	kg	Drilling cl storage a	<u> </u>	<u>Cellulose</u>		9004-34-6	AECOM, 2024a – Appendix E
				Citric acid - pH control	1,360	4,080	L	Drilling cl storage a		Citric acid		77-92-9	AECOM, 2024a – Appendix E
				Ecco-Temp high temp extender	8,000	24,000	L	Drilling cl storage a	<u> </u>	Triethanolam	<mark>iine</mark>	102-71-6	AECOM, 2024a – Appendix E
				Flowzan viscosifier	5,000	15,000	kg	Drilling cl storage a		Contains no l ingredients a	nazardous ccording to GHS.	N/A	AECOM, 2024a – Appendix E
				KEN-SEAL [™] PLUS - high temperature filtration control agent	4,000	12,000	Kg	Drilling cl storage a	area :	Copolymer, s dimethylacry acrylamidom sulfonic		Proprietary	AECOM, 2024a – Appendix E
				Mil-Lime (Calcium hydroxide) alkalinity	1,361	4,080	L	Drilling cl storage a		<mark>calcium di-h</mark> y	<mark>droxide</mark>	1305-62-0	AECOM, 2024a – Appendix E
				Magnesium oxide pH buffer	7,500	22,500	kg	Drilling cl storage a		magnesium o	<mark>vxide</mark>	1309-48-4	AECOM, 2024a – Appendix E
				Mil-bio SEA 98 biocide	1,800	5,400	L	Drilling cl storage a	<u> </u>	THPS		55566-30- 8	AECOM, 2024a – Appendix E
				Mil-carb LCM / bridging	5,000	15,000	kg	Drilling cl storage a	area	Limestone crystalline sil powder	ica, respirable	1317-65-3 14808-60- 7	AECOM, 2024a – Appendix E

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well Dri Well Testing Program Exploration Environment Management Plan		Unique EMP ID		ORI10	-3	Mod#	8	Date	26 March 2	2025
	Current EMP to	ext						Amend	led EMP tex	t			
				Milstarch filtration control	5,000	15,000	kg	Drilling c	1	Starch Starch		9005-25-8	AECOM, 2024a – Appendix E
				Navi-Lube lubricant	16,650	49,950	L	Drilling constants	1	Distillates, (phydrotreated Diethylene gether		64742-47- 8	AECOM, 2024a – Appendix E
												112-34-5 148520- 82-5	
										Petroleum d hydrotreated naphthenic Benzenesulf			
										<mark>alkyl derivat</mark>	ves, sodium salts	<mark>64742-52-</mark> 5	
												<mark>69669-44-</mark> 9	
				New-Drill Plus shale stabiliser	1,000	3,000	kg	Drilling c storage a			acid, polymer namide, sodium	<mark>25987-30-</mark> 8	AECOM, 2024a – Appendix E
				Noxygen XT oxygen scavenger	884	2,652	kg	Drilling c storage a	1		o-3-O-sodio-D- ono-1,4-lactone	6381-77-7	AECOM, 2024a – Appendix E
				Ova Col 110 HC cloud point glycol	13,000	39,000	kg	Drilling c storage a	area	Glycol Ether		9004-77-7	AECOM, 2024a – Appendix E
				Potassium chloride salt / shale stabiliser	41,000	123,000	kg	Drilling c storage a	area	potassium cl	nloride	7447-40-7	AECOM, 2024a – Appendix E
				Potassium hydroxide pH source		3,750	kg	Drilling c storage a	area	potassium h		1310-58-3	AECOM, 2024a – Appendix E
				Pyro-Trol II HT filtration control	25	75	kg	Drilling c storage a	1	Copolymer of 2-acrylamide propane sulf		Proprietary	AECOM, 2024a – Appendix E
				Pyro-Vis II HT viscosifier	1,400	4,200	kg	Drilling costorage a	1	t-Butyl alcoh	<mark>ol</mark>	<mark>75-65-0</mark>	AECOM, 2024a – Appendix E
				Soda ash pH and hardness control	1,000	3,000	kg	Drilling c storage a		sodium carb	<mark>onate</mark>	<mark>497-19-8</mark>	AECOM, 2024a – Appendix E

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well Dril Well Testing Program Exploration Environment Management Plan	=	Unique EMP ID		ORI10-	-3	Mod#	8	Date	26 March 2	2025
	Current EMP to	ext						Amende	ed EMP text				
				Sodium bicarbonate pH and hardness control	1,000	3,000	kg	Drilling ch storage ar		<mark>odium hydro</mark>	gen carbonate	144-55-8	AECOM, 2024a – Appendix E
				Sodium chloride - salt	54,400	163,200	kg	Drilling ch storage ar		odium chlori	de	7647-14-5	AECOM, 2024a – Appendix E
				W.O. defoam defoamer	600	1,800	L	Drilling ch storage ar	=	-Hexanol, 2-	ethyl-	104-76-7	AECOM, 2024a – Appendix E
				Xan-Plex D viscosifier	3,000	9,000	kg	Drilling ch storage ar	_	Contains no h ngredients ac	azardous cording to GHS.	N/A	AECOM, 2024a – Appendix E
				TEQ-LUBE II - lubricant	14,400	43,200	kg	Drilling ch storage ar	rea h		ethanediyl),α- oxy- Ethane- xylated	25322-68- 3	AECOM, 2024a – Appendix E
				TEQ-LUBE II - lubricant	14,400	43,200	kg	Drilling ch storage ar	rea (<u>(</u>	oly(oxy-1,2- 9Z)-9-octade ydroxy-, pho		39464-69- 2	AECOM, 2024a – Appendix E
				NEW-THIN – Polymeric thinner	4,680	14,040	kg	Drilling ch storage ar	rea C	Contains no h	azardous cording to GHS.	N/A	AECOM, 2024a – Appendix E
				LC-LUBE -lubricant (graphite)	9,090	27,270	kg	Drilling ch storage ar		<mark>latural graph</mark>	ite	7782-42-5	AECOM, 2024a – Appendix E
				MAX-GUARD EA	26,000	78,000	Ľ	Drilling ch storage ar	rea P	oly[oxy(met thanediyl)], minomethyl minomethyl	<mark>x-(2-</mark> ethyl)-ω-(2-	9046-10-0	AECOM, 2024a – Appendix E
										cetic acid		64-19-7	AECOM, 2024a – Appendix E
								Drilling ch storage ar	rea a		s of 7- 1,13-diamine nylenediamine	Proprietary	AECOM, 2024a – Appendix E
				MAX-GUARD PLUS	<mark>26,000</mark>	<mark>78,000</mark>	L		a	<mark>cetic acid</mark>		<mark>64-19-7</mark>	AECOM, 2024a – Appendix E
					25,300	. 5,000	-		h	<mark>examethyle</mark> r	nediamine e	124-09-4	AECOM, 2024a – Appendix E
											<mark>/lenediamine</mark>	<mark>694-83-7</mark>	AECOM, 2024a – Appendix E
				MAX-GUARD PLUS A	<mark>26,000</mark>	<mark>78,000</mark>	L	Drilling ch storage ar		,2-Ethanedia minoethyl)-	mine, N-(2-	<mark>111-40-0</mark>	AECOM, 2024a – Appendix E

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well Dril Well Testing Program Exploration Environment Management Plan		Unique EMP ID		ORI10)-3	Mod #	8	Date	26 March 2	2025
	Current EMP t	ext						Amend	led EMP tex	t			
										acetic acid		<mark>64-19-7</mark>	AECOM, 2024a – Appendix E
				SARALINE 185V	18,603	55,809	kg	Drilling o			Fischer-Tropsch), Inched and Linear	848301- 67-7	AECOM, 2024a – Appendix E
				Proppants*	'								
				100 mesh sand- proppant	91,000	273,000	kg	Stimulati Chemica storage a	I	Sand		14808-60-7	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1
				Quartz or organophilic phyllosilicate- proppant	1,084	3,252	L	Stimulati Chemica storage a	ı	Quartz or o phyllosilica	organophilic te	14808-60-7	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1
				40/70 sand- proppant	,650,000	4,950,000	kg	Stimulati Chemica storage a	1	Sand		14808-60-7	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1
				30/50 sand- proppant	610,000	1,830,000	kg	Stimulati Chemica storage a	I	Sand		14808-60-7	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1 as 20/40
				* Proppants are sand wh within the well pad bund contaminated spill mater	. Residual p	proppant from	equire a stim	special che nulation can	mical bunding npaign is often	but are co- used to ass	ocated in the stimu	lation chemical	storage area,
				Silicon dioxide (quartz/sand) 100 sand	. <mark>,757,614</mark>		kg	Stimulati Chemica storage a		Sand		14808-60-7	AECOM, 2024b – Appendix E.2
				Silicon dioxide (quartz/sand) 40/70	,435,287	16,305,860	kg	Stimulati Chemica storage a		Sand		14808-60-7	AECOM, 2024b – Appendix E.2

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well Drilli Well Testing Program Exploration P Environment Management Plan	•	Unique EMP ID		ORI10-	3 Mod i	#	8	Date	26 March 2	2025
	Current EMP t	ext		Amended EMP text									
				Cleaning Chemicals and	Spill Respon	ise							
				Soda ash – sodium carbonate	3,750	<mark>11,250</mark>		Stimulation Chemical storage area	and the second second	dium carbon sponse in evo	<mark>ate - spill</mark> ent acid spill	497-19-8	AECOM, 2024b – Appendix E.2
				Flush fluid - distillates (petroleum), hydrotreated	1,500	4,500	L	Stimulation Chemical storage area	hy	stillates (petr drotreated - eaning		64742-47-8	AECOM, 2024b – Appendix E.2

3.11.1 Chemical types and quantities

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Table 16 Anticipated chemical volumes use in the drilling and stimulation process

Material name	Typical volume	Maximu m volume	Unit	Storage area
Acetic Acid - 60% PH control	3,000	6,000	L	Stimulation chemical storage area
BE-9 Biocide	17,000	34,000	L	Stimulation chemical storage area
Caustic Soda Liquid pH control/ buffer	15,000	30,000	L	Stimulation chemical storage area
DCA-11001 Breaker Activator	5,000	10,000	L	Stimulation chemical storage area
DCA-13002 Breaker	300	600	kg	Stimulation chemical storage area
DCA-13003 Breaker	10,000	20,000	L	Stimulation chemical storage area
DCA-16001 Clay Stabiliser	42,000	84,000	L	Stimulation chemical storage area
DCA-17001 Corrosion Inhibitor	1,000	2,000	L	Stimulation chemical storage area
DCA-19001 Crosslinker	600	1,200	kg	Stimulation chemical storage area
DCA-19002 Crosslinker	10,000	20,000	L	Stimulation chemical storage area
DCA-23001 Friction Reducer	5,000	10,000	kg	Stimulation chemical storage area
DCA-23003 Friction Reducer	18,000	36,000	L	Stimulation chemical storage area
DCA-25005 Gelling Agent	35,000	70,000	kg	Stimulation chemical storage area
DCA-30001 Scale Inhibitor	15,000	30,000	L	Stimulation chemical storage area
DCA-32002 Surfactant	15,000	30,000	L	Stimulation chemical storage area
DCA-32014 Surfactant	200	400	L	Stimulation chemical storage area
FE-2 Buffer	200	400	kg	Stimulation chemical storage area
Hydrochloric Acid - 32%	50,000	150,000	L	Stimulation chemical storage area
100 Mesh Sand- Proppant	91,000	182,000	kg	Stimulation chemical storage area
40/70 Sand- Proppant	1,650,00 0	3,300,000	kg	Stimulation chemical storage area
30/50 Sand- Proppant	610,000	1,220,000	kg	Stimulation chemical storage area

3.11.1 Chemical types and quantities

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Table 17: Anticipated chemical volume and storage used in the drilling and stimulation process at each site

Material name	Typical volume	Maximum volume	Unit	Storage area	Chemical composition	CAS Number	Chemical risk assessment report
Stimulation Chemicals			_				
Acetic acid - 60% pH control	3,000	9,000	L	Stimulation chemical storage area	Acetic acid	64-19-7	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1
BE-9 biocide	17,000	17,000	L	Stimulation chemical storage area	Tributyl tetradecyl phosphonium chloride	81741-28-8	AECOM, 2024 – Appendix
Caustic soda liquid - pH control / <mark>buffer</mark>	15,000	45,000	L	Stimulation chemical storage area	Sodium hydroxide	1310-73-2	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1 AECOM, 2024b – Appendix E.2
DCA-11001 breaker activator	5,000	15,000	L	Stimulation chemical storage area	Diethanolamine	111-42-2	AECOM, 2024a – Appendix E
DCA-13002 breaker	300	900	kg	Stimulation chemical storage area	Sodium persulfate	7775-27-1	AECOM, 2024a – Appendix E
DCA-13003 breaker	10,000	30,000	L	Stimulation chemical storage area	Chlorous acid, sodium salt Sodium chloride	7758-19-2 7647-14-5	AECOM, 2024a – Appendix I

Interest holder	Tamboran E	32 Pty Ltd		EMP Title	Beetaloo Sub-basin Multi-we Well Testing Program Explor Environment Management F	ration Permit (EP) 98 & 76	Unique EMP ID		ORI10	-3 Mod #	8	Date	26 March	2025
		Curre	ent EMP tex	ct						Amended EMP to	ext			
Alcohols, C11-14-iso-, C13- rich,ethoxylated- Surfactant	5285	10570	L	Stimulation ch	emical storage area	DCA-16001 clay stabiliser	42,000	126,000	L	Stimulation chemical storage area	substanc above cu	no hazardous es in concentrations t-off values	Proprietary	AECOM, 2024a – Appendix E
Sodium (C14-16) olefin sulfonate - Surfactant	4658	9316	L	Stimulation ch	emical storage area					Stimulation chemical	authority	·		
Diisobutyl glutarate - plasticiser	627	1254	L	Stimulation ch	emical storage area	DCA-17001 corrosion inhibitor	1,000	3,000	L	storage area	Diethyler Cinnamal	dehyde	111-46-6 104-55-2	AECOM, 2024a – Appendix E
Diisobutyl succinate - plasticiser	209	418	L	Stimulation ch	emical storage area						Amine ox cocoalky Methano	<mark>dimethyl</mark>	61788-90-7 67-56-1	
Diisobutyl adipate- plasticiser	179	358	L	Stimulation ch	emical storage area						Benzalde		100-52-7 68551-12-2	
sodium thiosulphate- stabilising agent	4763	9527	L	Stimulation ch	emical storage area					China dahian ahamisa	Sodium i	<mark>odide</mark>	, 001 02 3	
sodium sulphate stabilising agent	913	1827	L		emical storage area	DCA-19001 crosslinker	600	1,800	kg	Stimulation chemical storage area	Disodium tetrahyd	<mark>octaborate</mark> rate	12008-41-2	AECOM, 2024a – Appendix E
sodium sulphite stabilising agent	794	1588	L		emical storage area	DCA-19002 crosslinker	10,000	30,000	L	Stimulation chemical storage area	Ulexite Ethylene	glycol	1319-33-1 107-21-1	AECOM, 2024a –
Ethylene Glycol- Crosslinker	5112	10225	L	Stimulation ch	emical storage area				<u> </u>	Stimulation chemical	Crystallin	e silica, quartz	14808-60-7	Appendix E
Choline Chloride- Claystabiliser	10301	20603	L	Stimulation ch	emical storage area	DCA-23001 friction reducer	5,000	15,000	kg	storage area	substanc	no hazardous es in concentrations t-off values	Proprietary	AECOM, 2024a – Appendix E
Glutaraldehyde- Biocide	14930	29859	L		emical storage area						accordin _s	to the competent		
Ammonium Sulphate- Breaker	4479	8958	L	Stimulation ch	emical storage area	DCA-23003 friction	18,000	54,000	L	Stimulation chemical	authority Hydrotre	ated light petroleum	64742-47-8	AECOM,
Polyacrylamide- Friction reducer	4479	8958	L	Stimulation ch	emical storage area	reducer		·		storage area	distillate Ethoxylat	ed branched C13	78330-21-9 126-96-5	2024a – Appendix E
Sodium polyacrylate- gelling agent	746	1493	L	Stimulation ch	emical storage area						alcohol Sodium d	<mark>iacetate</mark>		
Sodium bisulfite- stabiliser	149	299	L	Stimulation ch	emical storage area	DCA-25005 gelling	35,000	105,00	kg	Stimulation chemical		no hazardous	Proprietary	AECOM,
Alkyl Alcohol- surfactant	149	299	L		emical storage area	agent				storage area		es in concentrations -off values		<mark>2024a –</mark> Appendix E
2-Propenoic acid, homopolymer, ammonium salt- biocide	149	299	L	Stimulation ch	emical storage area					Ctimulation showing	authority	to the competent		
Potassium persulfate- braker	149	299	L	Stimulation ch	emical storage area	DCA-30001 scale Inhibitor	15,000	45,000	L	Stimulation chemical storage area	substanc	no hazardous es in concentrations :-off values	<u>Proprietary</u>	AECOM, 2024a – Appendix E
2-Ethoxy-naphthalene- surfactant	149	299	L	Stimulation ch	emical storage area							g to the competent		
Sodium Gluconate- stabiliser	8576	17152	L	Stimulation ch	emical storage area	DCA-32002 surfactant	15,000	45,000	L	Stimulation chemical storage area	propoxyl		68937-66-6 69227-22-1	AECOM, 2024a –
Boric -Crosslinker	4288	8576	L	Stimulation ch	emical storage area						Alcohols,	C10-C16, ed propoxylated		Appendix E
Potassium Hydroxide- pH control	10745	21491	L	Stimulation ch	emical storage area	DCA-32014 surfactant	200	600	L	Stimulation chemical storage area		ated light petroleum	64742-47-8	AECOM, 2024a –
Mannanase- Cross linker	2	4	L	Stimulation ch	emical storage area					Storage area	Ethanol		64-17-5	Appendix E
Ammonium Persulphate- breaker	7451	14902	L	Stimulation ch	emical storage area						Fatty acid		61791-00-2 68131-39-5	
Talc- buffer	384	769	L	Stimulation ch	emical storage area						C12-C15	Ethoxylated alcohols	<mark>68155-20-4</mark>	

Interest holder	Tamboran E	32 Pty Ltd		EMP Title	Beetaloo Sub-basin Multi-we Well Testing Program Explor Environment Management F	ation Permit (EP) 98 & 76	Unique EMP ID		ORI10	Mod	#	8	Date	26 March 2	2025
		Curren	nt EMP te	xt						Amended EM	P text				
Sodium Bromate- breaker	50441	100881	L	Stimulation ch	emical storage area								oil fatty, N,N-	71-36-3	
Hepta sodium phosphonate- Emulsifier	3176	6351	L		emical storage area						В	ois(hydroxye Butyl alcohol	thyl)	<mark>67-56-1</mark>	
DISTILLATES, HYDROTREATED LIGHT- friction reducer	54231	108462	L	Stimulation ch	emical storage area	FE-2 buffer	200	600	kg	Stimulation chen storage area		Methanol Citric acid		77-92-9	AECOM, 2024a – Appendix E
Guar Gum- Viscocity regulator	15141	30282	L	Stimulation ch	emical storage area	Hydrochloric acid - 32%	50,000	150,000	L	Stimulation chen	nical H	lydrochloric	acid (32%)	<mark>7647-01-0</mark>	AECOM, 2024a –
Polyoxyethylene nonylphenol ether- surfactant	4466	8933	L	Stimulation ch	iemical storage area	Alcohols, C11-14-iso-,	5,285	15,855	L	Stimulation chen	' '		14-iso-, C13-	78330-21-9	Appendix E AECOM,
Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite- biocide	4466	8933	L		emical storage area	C13-rich, ethoxylated- surfactant				storage area	ri	ich, ethoxyli	<mark>ated</mark>		2024a – Appendix E EHS Support, (2023) – Appendix E.1
1,6-Hexanediol- cross linker	447	893	L	Stimulation ch	emical storage area	Sodium (C14-16) olefin sulfonate - surfactant	4,658	13,974	L	Stimulation chen	Y	odium (C14-	-16) olefin	68439-57-6	EHS Support,
Quartz or Organophilic phyllosilicate- proppant	1084	2167	L	Stimulation ch	emical storage area					storage area		dionate			(2023) – Appendix
HydroChloric Acid- pH control	44715	89430	L		emical storage area	Diisobutyl glutarate -	627	1,881	L	Stimulation chen	nical D	oiisobutyl glu	<mark>ıtarate</mark>	71195-64-7	E.1 EHS
N-Benzyl-Alkylpyridinium Chloride- pH control	28	57	L		nemical storage area	plasticiser				storage area					Support, (2023) – Appendix
Formic Acid- corrosion inhibitor	38	76	L		emical storage area	Diisobutyl succinate -	209	627		Stimulation chen	nical D	Diisobutyl su	rcinate	925-06-4	E.1
Sodium erythorbate- scaler prohibitor	334	668	L	Stimulation ch	emical storage area	plasticiser		927	-	storage area					Support, (2023) –
Citric Acid- pH control	15878	31756	L		emical storage area										Appendix E.1
Acetic Acid- pH control	15878	31756	L		emical storage area	Diisobutyl adipate-	179	537	 	Stimulation chen	ical D	Diisobutyl ad	inato	141-04-8	EHS
Isopropanol- clay management	83	167	L		emical storage area	plasticiser	179	337		storage area	ca. <mark>D</mark>	nisobutyi au	ipate	141-04-8	Support, (2023) –
Ethoxylated C12-C16 Alcohol - surfactant	57	114	L		emical storage area										Appendix E.1
Ethoxylated Decanol - surfactant	19	38	L	Stimulation ch	emical storage area	Sodium thiosulphate- stabilising agent	4,763	14,289	L	Stimulation chen storage area	ical <mark>So</mark>	<mark>odium thios</mark>	<mark>ulphate</mark>	<mark>7772-98-7</mark>	EHS Support,
Cinnamaldehyde- biocide	57	114	L	Stimulation ch	emical storage area										(2023) – Appendix
Ethoxylated Tallow Alkyl Amine - surfactant	9	19	L	Stimulation ch	emical storage area	Sodium sulphate	913	2,739	I	Stimulation chen	nical s	<mark>odium sulp</mark> t	nate	7757-82-6	E.1 AECOM,
Methanol- corrosion inhibitor	2	4	L	Stimulation ch	emical storage area	stabilising agent		_,,,,,		storage area					2024a – Appendix E
Polyacrylamide - friction reducer	49093	98186	L	Stimulation ch	emical storage area										EHS Support,
Polyethylene glycol trimethylnonyl ether - clay manager	87	173	L	Stimulation ch	emical storage area										(2023) – Appendix E.1

Interest holder	Tamboran	B2 Pty Ltd		EMP Title	Beetaloo Sub-basin Multi-w Well Testing Program Explor Environment Management	ation Permit (EP) 98 & 76	Unique EMP ID		ORI10	-3	Mod #	8	Dat	te	26 March 2	2025
		Curre	nt EMP te	xt						Amend	led EMP tex	ct				
Water in Additive- stabiliser	66804	133607	L	Stimulation ch	nemical storage area	Sodium sulphite stabilising agent	794	2,382	L	Stimulati storage a	ion chemical area	Sodium sul	phite		7757-83-7	AECOM, 2024a –
Potassium Sorbate Food Grade- corrosion inhibitor	14	29	L	Stimulation ch	nemical storage area											Appendix E EHS
Mannanase (Mannan endo-1,4-beta- mannosidase)- cross linker	2	4	L	Stimulation ch	nemical storage area											Support, (2023) – Appendix E.1
Nonoxynol-9- surfactant	9	19	kg	Stimulation ch	nemical storage area	Ethylene glycol-	<mark>8,416</mark>	<mark>25,247</mark>	L	Stimulat	ion chemical	Ethylene gl	lycol		107-21-1	AECOM,
2-Ethylhexanol PO/EO polymer- stabiliser	9	19	kg	Stimulation ch	nemical storage area	crosslinker Anti-freeze				storage a	area					2024a – Appendix E
Corn Oil- friction reducer	662	1325	kg	Stimulation ch	nemical storage area											EHS Support,
Sodium hypochlorite	10,000	30,000	L	Completion ch	nemical storage area											<mark>(2023) </mark>
Sodium Chloride- weighting agent	15,000	30,000	kg	Completion ch	nemical storage area											Appendix E.1
ALDACIDE G Biocide	500	1,000	L	Completion ch	nemical storage area											AECOM, 2024b –
OXYGON Oxygen scavenger	100	200	kg	Completion ch	nemical storage area											Appendix E.2
BARACOR 100 corrosion inhibitor	2,000	4,000	L	Completion ch	nemical storage area	Choline chloride- clay stabiliser / clay swelling control	67,750	203,250	L	Stimulati storage a	ion chemical area	Choline chl	<mark>loride</mark>		<mark>67-48-1</mark>	AECOM, 2024a – Appendix E
CON-DET wetting agent	50	100	kg	Drilling chemi	cal storage area	(2-hydroxy-N,N,N-										EHS
SAPP- sodium Acid Phosphate cement treatment	50	100	kg	Drilling chemic	cal storage area	trimethylethanaminium chloride)										Support, (2023) – Appendix E.1
Bentonite- lubricant	3,000	6,000	kg	Drilling chemi	cal storage area											AECOM,
Caustic Soda-pH control	1,400	2,800	kg	Drilling chemi	cal storage area											<mark>2024b –</mark>
EZ MUD DP or EZ MUD Liquid- drilling mud	2000	4,000	kg	Drilling chemi	cal storage area		11.000			Ctimulati	ion chemical					Appendix E.2
ALDACIDE G Biocide	336	672	kg	Drilling chemi	cal storage area	Glutaraldehyde- biocide	14,930	44,790		storage a		Glutaraldel	nyde		<mark>111-30-8</mark>	AECOM, 2024a –
STOPPIT Loss of circulation material	1,000	2,000	kg	Drilling chemi	cal storage area											Appendix E EHS
Soda Ash- drill mud conditioner	350	700	kg	Drilling chemi	cal storage area											Support, (2023) – Appendix
BARACOR 100 Corrosion inhibitor	250	500	kg	Drilling chemi	cal storage area											E.1 AECOM,
Sodium Chloride (Flossy Salt)- weighting agent and formation inhibitor	96,000	192,000	kg	Drilling chemi	cal storage area					C+im.ula4	ion chemical			_		2024b – Appendix E.2
Barite- weighting agent	500	1,000	kg	Drilling chemi	cal storage area	Ammonium sulphate- breaker	4,479	13,491	"	storage a		Ammoniun	n sulphate	e	<mark>7783-20-2</mark>	AECOM, 2024a –
BARACARB loss of circulation material	500	1,000	kg	Drilling chemi	cal storage area					1.0.380						Appendix E EHS
Citric Acid- pH control	500	1,000	kg	Drilling chemi	cal storage area											Support,
BARADEFOAM HP Drilling fluid/foam	500	1,000	kg	Drilling chemi	cal storage area											(2023) – Appendix E.1

Interest holder	Tamboran	B2 Pty Ltd		EMP Title	Well Tes	o Sub-basin Multi-well Dri ting Program Exploration ment Management Plan	=	Unique EMP ID		ORI10	-3 Mod #		8	Date	26 March	2025
		Curre	ent EMP te	ext							Amended EMP	text				
Sodium Bicarbonate- pH buffer	500	1,000	kg	Drilling chem	nical storage	area	Polyacrylamide- friction reducer	4,479	13,491	L	Stimulation chemic storage area	al <mark>Po</mark>	olyacrylamic	le	25085-02-3	AECOM, 2024a –
PERFORMATROL- polymer fluid system	500	1,000	kg	Drilling chem	nical storage	area										Appendix E EHS
SOURSCAV- mud additive treat H2S contamination	500	1,000	kg	Drilling chem	nical storage	area										Support, (2023) – Appendix
DRIL-N-SLIDE- Casing lubricant	500	1,000	kg	Drilling chem	nical storage	area	Sodium polyacrylate-	746	2,238	L	Stimulation chemic	al <mark>So</mark>	odium polya	<u>crylate</u>	9003-04-7	E.1 AECOM,
STEELSEAL- corrosion inhibitor	500	1,000	kg	Drilling chem	nical storage	area	gelling agent				storage area					<mark>2024a –</mark> Appendix E
BARAZAN D or BARAZAN D PLUS- viscosity increaser	4,150	8,300	kg	Drilling chem	nical storage	area										EHS Support, (2023) –
PAC L Loss of circulation material	2,300	4,600	kg	Drilling chem	nical storage	area										Appendix E.1
Potassium Chloride- weighting agent and formation inhibitor	22,500	45,000	kg	Drilling chem	nical storage	area	Sodium bisulfite- stabiliser	149	447	L	Stimulation chemic storage area	cal <mark>So</mark>	odium bisulf	ite	7631-90-5	AECOM, 2024a – Appendix E
GEM CP/GP Shale stabiliser	500	1,000	kg	Drilling chem	nical storage	area										EHS Support, (2023) –
QUIK-FREE – drilling additive	500	1,000	kg	Drilling chem	nical storage	area										Appendix E.1
BAROFIBRE, BAROFIBRE Superfine and BAROFIBRE COARSE Loss of circulation material	500	1,000	kg	Drilling chem	nical storage	area	Alkyl alcohol- surfactant	149	447	L	Stimulation chemic storage area	cal All	kyl alcohol		<mark>56-81-5</mark>	EHS Support, (2023) – Appendix
BaraBlend-657 Loss of circulation material	500	1,000	kg	Drilling chem	nical storage	area	2-Propenoic acid, homopolymer,	149	447	L	Stimulation chemic storage area	1 -	Propenoic a	ncid, or, ammonium	9003-03-6	AECOM, 2024a –
N-DRIL HT PLUS filtration control additive	500	1,000	kg	Drilling chem	nical storage	area	ammonium salt- biocide						alt			Appendix E EHS
DEXTRID LTE filtration control additive	4,600	13,800	kg	Drilling chem	nical storage	area										Support, (2023) – Appendix
BARABUF pH buffer	500	1,000	kg	Drilling chem	nical storage	area										E.1
BORE-HIB shale stabiliser	500	1,000	kg	Drilling chem	nical storage	area	Potassium persulfate-	149	447	L	Stimulation chemic	al <mark>Po</mark>	otassium pe	<mark>rsulfate</mark>	<mark>7727-21-1</mark>	AECOM, 2024a –
BDF 933 or BaraLube W- 933 drilling lubricant	864	1,728	kg	Drilling chem	nical storage	area	braker				storage area					Appendix E EHS
BAROLIFT sweeping agent	500	1,000	kg	Drilling chem	nical storage	area]									<mark>Support,</mark>
OXYGON Oxygen scavenger	500	1,000	kg	Drilling chem												(2023) – Appendix E.1
ENVIRO-THIN filtration control additive	500	1,000	kg	Drilling chem	nical storage	area	2-Ethoxy-naphthalene- surfactant	149	447	L	Stimulation chemic storage area	cal <mark>2-</mark>	Ethoxy-nap	hthalene	93-18-5	EHS Support,
Lime pH buffer	500	1,000	kg	Drilling chem	nical storage	area]					<mark>(2023) –</mark>
BDF 677 Clay stabiliser	4,770	9,540	kg	Drilling chem	nical storage	area]									Appendix E.1
BDF 988 Clay stabiliser	3,390	6,780	kg	Drilling chem	nical storage	area	Sodium gluconate-	8,576	25,728	1	Stimulation chemic	al co	odium gluco	nate	<mark>527-07-1</mark>	EHS
SARALINE 185V- Synthetic based mud	299,800	599,600	kg	Drilling chem	nical storage	area	stabiliser	6,570	23,120		storage area	30	valuiti gluco	nate	527-07-1	Support, (2023) –

Interest holder	Tamboran	B2 Pty Ltd		EMP Title		ti-well Drilling, Stimulation and kploration Permit (EP) 98 & 76 ent Plan	Unique EMP ID		ORI10	-3 Mod #	8	Date	26 March 2	2025
		Curre	ent EMP te	xt						Amended EMP te	xt			
NOVATEC P emulsifier for SBM	13,110	26,220	kg	Drilling chemic	cal storage area									Appendix E.1
NOVATEC S emulsifier SBM	5700	11,400	kg	Drilling chemic	cal storage area	Boric acid- crosslinker	4,288	12,864	L	Stimulation chemical storage area	Boric a	cid	10043-35-3	EHS Support,
Calcium Chloride weighting agent SBM	37,000	74,000	kg	Drilling chemic	cal storage area									(2023) – Appendix E.1
VG SUPREME clay viscosifier SBM	11,350	22,700	kg	Drilling chemic	cal storage area									AECOM, 2024b –
M-I BAR weighting agent SBM	193,500	169,500	kg	Drilling chemic	cal storage area			-		Ctimulation share:!				Appendix E.2
NOVATEC F emulsifier SBM	3,610	7,220	kg	Drilling chemic	cal storage area	Potassium hydroxide- pH control	10,745	32,235	L	Stimulation chemical storage area	Potassi	<mark>um hydroxide</mark>	1310-58-3	AECOM, 2024a – Appendix E
NOVATEC transferred emulsifier SBM	1770	1770	kg	Drilling chemic	cal storage area									EHS Support,
Waste drilling fluids	2,500	2,500	m³	Drilling mud so	ump									<mark>(2023) –</mark> Appendix
Completion fluids	1.4	1.4	ML	Drilling mud st	ump/on-site tank									E.1
Condensate	160	320	KL	Condensate st	orage area	Mannanase- crosslinker	2	6	L	Stimulation chemical	<mark>Manna</mark>	nase	37288-54-3	EHS
Diesel	250	500	KL	Diesel storage	tanks					storage area				Support, (2023) –
Hydraulic oil	1,000	3,000	L	Workshop										<mark>Appendix</mark>
Engine oil	1,000	3,000	L	Workshop		Assessment	7,451	22.252		Stimulation chemical	A	-:	7727 54 0	E.1
Degreasers	100	300	L	Workshop		Ammonium persulphate- breaker	7,451	22,353	-	storage area	Ammor	<mark>nium persulphate</mark>	<mark>7727-54-0</mark>	AECOM, 2024a –
Flowback	<10	13.8	ML	Flowback tank	rs .									Appendix I EHS Support, (2023) –
						Diammonium peroxidisulphate –								Appendix E.1 AECOM, 2024b – Appendix
						Oxidizing viscosity breaker								E.2
						Talc- buffer/ Filler for encapsulate	384	1,152	L	Stimulation chemical storage area	Talc, M	agnesium Silicate	14807-96-6	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1 AECOM, 2024b – Appendix
						Sodium bromate- breaker	50,441	151,323	L	Stimulation chemical storage area	Sodium	<u>bromate</u>	7789-38-0	E.2 AECOM, 2024a – Appendix

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well Dril Well Testing Program Exploration Environment Management Plan		Unique EMP ID		ORI10	-3 Mod #	8	Date	26 March 2	2025
	Current EMP t	ext						Amended EMP	ext			
												EHS Support, (2023) – Appendix E.1
				Hepta sodium phosphonate- Emulsifier	3,176	9,528	L	Stimulation chemical storage area	Hepta so	dium phosphonate	22042-96-2	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1
				Distillates, hydrotreated light- friction reducer/slurry agent	54,231	162,693	L	Stimulation chemica storage area	Distillate	s, hydrotreated light	64742-47-8	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1 AECOM, 2024b – Appendix E.2
				Guar gum- viscosity regulator	15,141	45,423	L	Stimulation chemical storage area	Guar gur	n	9000-30-0	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1 AECOM, 2024b – Appendix E.2
				Poly-oxyethylene nonylphenol ether- surfactant	4,466	13,398	L	Stimulation chemica storage area	Poly-oxy ether	ethylene nonylphenol	9016-45-9	EHS Support, (2023) – Appendix E.1
				Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite-biocide	4,466	13,398	L	Stimulation chemical storage area	compou bis(hydr	ogenated tallow nethyl, salts with	68953-58-2	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1
				1,6-Hexanediol- cross linker	447	1,341	L	Stimulation chemica storage area	1,6-Hexa	nediol	629-11-8	EHS Support, (2023) –

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well D Well Testing Program Exploratio Environment Management Plan		Unique EMP ID		ORI10	-3 Mod #	8	Date	26 March	2025
	Current EM	Ptext						Amended EMP te	xt			
												Appendix E.1
				Hydrochloric acid- pH control	44,715	134,145	L	Stimulation chemical storage area	Hydroch	loric acid	7647-01-0	AECOM, 2024a – Appendix EHS Support, (2023) – Appendix E.1
				N-Benzyl- alkylpyridinium chloride- pH control	28	84	L	Stimulation chemical storage area	N-Benzyl chloride	l-alkylpyridinium	68909-18-2	EHS Support, (2023) – Appendix E.1
				Formic acid- corrosion inhibitor	2,001	6,002	L	Stimulation chemical storage area	Formic a	cid	64-18-6	EHS Support, (2023) – Appendix E.1 AECOM, 2024b – Appendix E.2
				Sodium erythorbate- scaler prohibitor/Reducing Agent	2,001	6,002	L	Stimulation chemical storage area	Sodium	erythorbate	6381-77-7	AECOM, 2024a – Appendix EHS Support, (2023) – Appendix E.1 AECOM, 2024b – Appendix E.2
				Citric acid- pH control	15,878	47,634	L	Stimulation chemical storage area	Citric aci	d	77-92-9	AECOM, 2024a – Appendix EHS Support, (2023) – Appendix E.1
				Acetic acid- pH Buffer	15,878	47,634	L	Stimulation chemical storage area	Acetic ac	cid	64-19-7	AECOM, 2024a – Appendix EHS Support, (2023) – Appendix E.1

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well Drill Well Testing Program Exploration I Environment Management Plan		Unique EMP ID		ORI10)-3	Mod #	8	Date	26 March	2025
	Current EMP t	ext						Amend	ded EMP tex	ct			
													AECOM, 2024b – Appendix E.2
				Isopropanol- clay management	83	249	L	Stimulat storage	ion chemical area	isopropar	ol	67-63-0	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1
				Ethoxylated C12-C16 alcohol - surfactant	57	171	L	Stimulat storage	ion chemical area	Ethoxylat	ed C12-C16 alcohol	68551-12-2	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1
				Ethoxylated decanol - surfactant	19	57	L	Stimulat storage		Ethoxylati	<mark>ed decanol</mark>	26183-52-8	
				Cinnamaldehyde- biocide / Corrosion inhibitor	1,000	3,000	L	storage a		<u>Cinnamal</u>	dehyde	104-55-2	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1 AECOM, 2024b – Appendix E.2
				Ethoxylated tallow alkyl amine - surfactant	9	27	L	Stimulat storage		Ethoxylate amine	ed tallow alkyl	61791-26-2	
				Methanol- corrosion inhibitor	2	6	L	Stimulat storage a		Methanol		67-56-1	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well Dril Well Testing Program Exploration Environment Management Plan	_	Unique EMP ID		ORI10-	3 Mod	I#	8	Date	26 March 2	2025
	Current EMP to	ext						Amended EN	/IP text				
				Polyacrylamide - friction reducer	49,093	147,279	L	Stimulation che storage area	mical p	^o olyacrylamid	e	9003-05-08	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1 AECOM, 2004 – Appendix
				Polyethylene glycol trimethylnonyl ether - clay manager/ Emulsifier	748	2,243	L	Stimulation cher storage area		olyethylene grimethylnony		127087-87- 0	E.2 EHS Support, (2023) – Appendix E.1 AECOM, 2024 - Appendix E.2
				Water in additive- stabiliser	66,804	200,412	L	Stimulation che storage area	mical <mark>v</mark>	Vater in addit	ive	7732-18-5	EHS Support, (2023) – Appendix E.1
				Potassium sorbate food grade- corrosion inhibitor	14	42	L	Stimulation che storage area	mical P	otassium sor	bate	24634-61-5	EHS Support, (2023) – Appendix E.1
				Mannanase (Mannan endo-1,4-beta- mannosidase)- cross linker	2	6	L	Stimulation cher storage area		Mannanase (N 1,4-beta-man	<mark>/lannan endo-</mark> nosidase)	37288-54-3	EHS Support, (2023) – Appendix E.1
				Nonoxynol-9- surfactant <mark>/Emulsifier</mark>	51	153	L	Stimulation che storage area	mical N	Nonoxynol-9		26571-11-9	EHS Support, (2023) – Appendix E.1 AECOM, 2024b – Appendix E.2
				2-Ethylhexanol PO/EO polymer- stabiliser	9	27	L	Stimulation che storage area		e-Ethylhexano polymer	I PO/EO	64366-70- 7	EHS Support, (2023) – Appendix E.1
				Corn oil- friction reducer	662	1,986	L	Stimulation che storage area	mical <mark>C</mark>	Corn oil		8001-30-7	EHS Support, (2023) –

Interest holder	Tamboran B2 Pty Ltd	n B2 Pty Ltd EMP Title Beetaloo Sub-basin Multi- Well Testing Program Expl Environment Managemen		=	Unique EMP ID		ORI10-3		Mod #	8	Date	26 March 2	025
	Amended EMP text												
													Appendix E.1
				Proprietary – SCI-1F Scale inhibitor				human healtl environment	f low concern to n and the . Chemicals were ulated below the	Proprietary	AECOM, 2024b – Appendix E.2		
				Proprietary – surface coating	44	131	L	storage area		Based on the CRA, the chemical is of low concern to human health and the environment. Chemicals were PBT and calculated below the risk thresholds.		Proprietary	AECOM, 2024b – Appendix E.2
				Sodium carbonate – pH buffer			L	Stimulati storage a	on chemical irea	Sodium carbo	onate	497-19-8	AECOM, 2024b – Appendix E.2
				Proprietary – improves surface and interfacial tension	292	876	L	Stimulati storage a		Based on the CRA, the chemical is of low concern to human health and the environment. Chemicals were PBT and calculated below the risk thresholds.		Proprietary	AECOM, 2024b – Appendix E.2
				Proprietary – surfactant	7,592	22,776	L	Stimulati storage a	on chemical irea	human healtl environment	f low concern to n and the . Chemicals were ulated below the	Proprietary	AECOM, 2024b – Appendix E.2
				Alkyl Pyridines Quat – Corrosion inhibitor	128	384	L	Stimulati storage a		Alkyl Pyridines Quat		68909-18- 2	AECOM, 2024b – Appendix E.2
				Polymer/s - Isotridecanol, ethoxylated – Emulsifier	5,742	17,225	L	Stimulati storage a	on chemical irea	Isotridecanol,	ethoxylated	69011-36- 5	AECOM, 2024b – Appendix E.2
				HCL-15B — Hydrochloric acid Blend — mineral acid	76,201	228,603	L	storage a	area	Hydrochloric	<mark>acid</mark>	7647-01-0	AECOM, 2024b – Appendix E.2
				Proprietary - Emulsifier	<mark>8,614</mark>	25,842	L	Stimulati storage a	on chemical area	human healtl environment	f low concern to n and the . Chemicals were ulated below the	Proprietary	AECOM, 2024b – Appendix E.2
				Didecyldimethyl- ammonium Chloride - Biocide	1,936	5,807	L	Stimulati storage a	on chemical irea	Didecyldimet Chloride	hyl-ammonium	7173-51-5	AECOM, 2024b – Appendix E.2

Interest holder	Title Well Testing Program		Beetaloo Sub-basin Multi-well Dri Well Testing Program Exploration Environment Management Plan	-	Unique EMP ID		ORI10	-3 Mod #	8	Date	26 March	2025	
	Amended EMP text												
				Benzalkonium Chloride – Biocide	1,936	5,807	L	Stimulation chemical storage area	Benzalkonium Chlorid		8001-54-5	AECOM, 2024b – Appendix E.2	
				Proprietary – Improve surface and interfacial tension	1,022	3,066	L	Stimulation chemical storage area	chemic human enviror PBT an	on the CRA, the cal is of low concern health and the nment. Chemicals will calculated below tresholds.	ere	AECOM, 2024b – Appendix E.2	
				Proprietary – Improve surface and interfacial tension	341	1,022	L	Stimulation chemical storage area	chemic human enviror PBT an	on the CRA, the cal is of low concern health and the nment. Chemicals wild calculated below tresholds.	ere	AECOM, 2024b – Appendix E.2	
				Completion chemicals				,					
				Sodium chloride- weighting agent	15,000	45,000	kg	completion chemical storage area	Sodium	n chloride	<mark>7647-14-5</mark>	AECOM, 2024a – Appendix E	
				ALDACIDE G biocide	500	1,500	L	Completion chemical storage area	Glutara Methar	aldehyde nol	111-30-8 67-56-1	AECOM, 2024a – Appendix E	
				OXYGON Oxygen scavenger	100	300	kg	Completion chemical storage area	substar above	ns no hazardous nces in concentratio cut-off values ling to the competen ity		AECOM, 2024a – Appendix E	
				BARACOR 100 corrosion inhibitor	2,000	6,000	L	Completion chemical storage area	morphoresidue Methar Nitrilot		67-56-1 5064-31-3	AECOM, 2024a – Appendix E	
				Sodium Hypochlorite 10 – 30% cleaner	10,000	30,000	L	Completion chemical storage area		n hypochlorite n Hydroxide	7681-52-9 1310-73-2 7732-18-5	AECOM, 2024a – Appendix E	
				Drilling chemicals	1								
				CON-DET wetting agent	50	150	kg	Drilling chemical storage area	(hydroz Benzen dimeth Isoprop Potassi	s, coco, N,N-bis xyethyl) nesulfonic acid, nyl-, sodium salt panol ium pyrophosphate ium hydroxide	68603-42- 9 1300-72-7 67-63-0 7320-34-5 1310-58-3	AECOM, 2024a – Appendix E	
				SAPP- sodium acid phosphate cement treatment	50	150	kg	Drilling chemical storage area	DISODI	UM PYROPHOSPHAT	7758-16-9	AECOM, 2024a – Appendix E	

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well E Well Testing Program Exploration Environment Management Plan	on Permit (EP) 98 & 76	Unique EMP ID		ORI10-3		Mod#	8	Date	26 March 2	2025
	Amended EMP text												
				Bentonite- lubricant	3,000	9,000	kg	Drilling chemical storage area		Crystalline silica, quartz Crystalline silica, cristobalite Crystalline silica, tridymite		14808-60- 7 14464-46- 1 15468-32- 3	AECOM, 2024a – Appendix E
				Caustic Soda-pH control	1,400	4,200	kg	Drilling ch storage a		Sodium hydro	<mark>vxide</mark>	1310-73-2	AECOM, 2024a – Appendix E
				EZ MUD DP or EZ MUD Liquid- drilling mud	2000	6,000	kg	Drilling ch storage a	irea	above cut-of	concentrations	Proprietary	AECOM, 2024a – Appendix E
				ALDACIDE G biocide	336	1,008	kg	Drilling ch storage a		Glutaraldehy Methanol	<mark>de</mark>	111-30-8 67-56-1	AECOM, 2024a – Appendix E
				STOPPIT loss of circulation material	1,000	3,000	kg	Drilling ch storage a		Crystalline sil	<mark>ca, quartz</mark>	14808-60- 7	AECOM, 2024a – Appendix E
				Soda Ash- drill mud conditioner	350	1,050	kg	Drilling ch storage a		Sodium carbo	nate	497-19-8	AECOM, 2024a – Appendix E
				BARACOR 100 corrosion inhibitor	250	750	kg	Drilling ch storage a	irea	products with morpholine d residues Methanol	erivatives c acid, trisodium	68909-77- 3 67-56-1 5064-31-3	AECOM, 2024a – Appendix E
				Sodium chloride (flossy salt)- weighting agent and formation inhibitor	96,000	288,000	kg	Drilling ch storage a		Sodium chlor	de	<mark>7647-14-5</mark>	AECOM, 2024a – Appendix E
				Barite- weighting agent	500	1,500	kg	Drilling ch storage a		Crystalline sil	<mark>ca</mark>	14808-60- 7	AECOM, 2024a – Appendix E
				BARACARB loss of circulation material	500	1,500	kg	Drilling ch storage a	irea	Crystalline sil	ca, quartz	14808-60- <mark>7</mark>	AECOM, 2024a – Appendix E
				Citric acid- pH control	500	1,500	kg	Drilling ch storage a		Citric acid		5949-29-1	AECOM, 2024a – Appendix E
				BARADEFOAM HP drilling fluid/foam	500	1,500	kg	Drilling ch storage a	rea	above cut-of	concentrations	Proprietary	AECOM, 2024a – Appendix E
				Sodium bicarbonate- pH buffer	500	1,500	kg	Drilling ch storage a	irea	Contains no h substances in above cut-of	concentrations	Proprietary	AECOM, 2024a – Appendix E

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well Dr Well Testing Program Exploration Environment Management Plan	_	Unique EMP ID		ORI10	-3 Mod #	8	Date	26 March 2	2025
	Current EM	P text						Amended EMP to	ext			
									according to authority	the competent		
				PERFORMATROL- polymer fluid system	500	1,500	kg	Drilling chemical storage area	above cut-of	n concentrations	Proprietary	AECOM, 2024a – Appendix E
				SOURSCAV- mud additive treat H2S contamination	500	1,500	kg	Drilling chemical storage area	above cut-of	n concentrations	Proprietary	AECOM, 2024a – Appendix E
				DRIL-N-SLIDE- casing lubricant	500	1,500	kg	Drilling chemical storage area	above cut-of	n concentrations	Proprietary	AECOM, 2024a – Appendix E
				STEELSEAL- corrosion inhibitor	500	1,500	kg	Drilling chemical storage area	above cut-of	n concentrations	Proprietary	AECOM, 2024a – Appendix E
				BARAZAN D or BARAZAN D PLUS- viscosity increaser	4,150	12,450	kg	Drilling chemical storage area	above cut-of	n concentrations	Proprietary	AECOM, 2024a – Appendix E
				PAC L loss of circulation material	2,300	6,900	kg	Drilling chemical storage area	above cut-of	n concentrations	Proprietary	AECOM, 2024a – Appendix E
				Potassium chloride- weighting agent and formation inhibitor	22,500	67,500	kg	Drilling chemical storage area	above cut-of	n concentrations	Proprietary	AECOM, 2024a – Appendix E
				QUIK-FREE – drilling additive	500	1,500	kg	Drilling chemical storage area	above cut-of	n concentrations	Proprietary	AECOM, 2024a – Appendix E
				BAROFIBRE, BAROFIBRE super fine and BAROFIBRE coarse loss of circulation material	500	1,500	kg	Drilling chemical storage area	above cut-of	n concentrations	Proprietary	AECOM, 2024a – Appendix E
				BaraBlend-657 Loss of circulation material	500	1,500	kg	Drilling chemical storage area	Crystalline si	ica, quartz	14808-60- 7	AECOM, 2024a – Appendix E

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well D Well Testing Program Exploration Environment Management Plan	on Permit (EP) 98 & 76	Unique EMP ID		ORI10	-3	Mod #	8	Date	26 March 2	2025
	Current EMP t	ext						Amend	ed EMP text				
				N-DRIL HT PLUS filtration control additive	500	1,500	kg	Drilling ch storage a	rea	above cut-of	concentrations	Proprietary	AECOM, 2024a – Appendix E
				DEXTRID LTE filtration control additive	4,600	13,800	kg	Drilling ch storage a		Tetrahydro-3 1,3,5-thiadia	,5-dimethyl- zine-2-thione	533-74-4	AECOM, 2024a – Appendix E
				BARABUF pH buffer	500	1,500	kg	Drilling ch storage a	rea	above cut-of	concentrations	Proprietary	AECOM, 2024a – Appendix E
				BDF 933 or BaraLube W- 933 drilling lubricant	864	2,592	kg	Drilling ch storage a	rea	above cut-of	concentrations	Proprietary	AECOM, 2024a – Appendix E
				BAROLIFT sweeping agent	500	1,500	kg	Drilling ch storage a	rea	above cut-of	concentrations	Proprietary	AECOM, 2024a – Appendix E
				OXYGON oxygen scavenger	500	1,500	kg	Drilling ch storage a	rea	above cut-of	concentrations	Proprietary	AECOM, 2024a – Appendix E
				ENVIRO-THIN filtration control additive	500	1,500	kg	Drilling ch storage a	rea	above cut-of	concentrations	Proprietary	AECOM, 2024a – Appendix E
				Lime pH buffer	500	1,500	kg	Drilling ch storage a		Calcium hydr	<mark>oxide</mark>	1305-62-0	AECOM, 2024a – Appendix E
				Calcium chloride	37,000	111,000	kg	Drilling ch storage a		Calcium chlo	r <mark>ide</mark>	10043-52- 4	AECOM, 2024a – Appendix E
				Sodium bromide	8,160	24,480	kg	Drilling ch storage a		Sodium brom	<mark>iide</mark>	7647-15-6 yl 143-22-6 111-76-2 111-42-2	AECOM, 2024a – Appendix E
				Evolube TR	14,500	43,500	L	Drilling ch storage a	rea	Triethylene g ether 2-Butoxyetha Diethanolam			AECOM, 2024a – Appendix E
				Radiagreen EME	4,800	14,400	L	Drilling ch storage a		Fatty esters Specialities		Proprietary	AECOM, 2024a – Appendix E

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well Well Testing Program Explorat Environment Management Pla	ion Permit (EP) 98 & 76	Unique EMP ID		ORI10	-3	Mod #	8	Date	26 March 2	2025
	Current EMP	text						Amende	ed EMP text		•		
				Radiagreen EBL	4,800	14,400	L	Drilling cho storage ar		Fatty esters Specialities		Proprietary	AECOM, 2024a – Appendix E
				Polydrill	7,500	22,500	kg	Drilling che storage ar		SULPHONAT POLYMER	ED ORGANIC	Proprietary	AECOM, 2024a – Appendix E
				Alpine spotting beads	1,000	3,000	kg	Drilling cho storage ar		Styrene		100-42-5	AECOM, 2024a – Appendix E
				Barite- weighting agent	354,000	1,062,000	kg	Drilling cho storage ar	ea	Barium sulfat Crystalline sil Mica-group r	ica	7727-43-7 14808-60- 7 12001-26- 2	AECOM, 2024a – Appendix E
				Bio-Paq high temp filtration control	1,134	3,402	kg	Drilling cha storage ar		Starch, carbo sodium salt	xymethyl ether,	9063-38-1	AECOM, 2024a – Appendix E
				Brine-Pac XTS corrosion inhibitor	3,400	10,200	L	Drilling cho storage ar		2-methylbut	3-yn-2-ol	115-19-5	AECOM, 2024a – Appendix E
				Calcium chloride - salinity	180,000	540,000	kg	Drilling cho storage ar		calcium chlo	<mark>ride</mark>	10043-52- 4	AECOM, 2024a – Appendix E
				CF Desco deflocculant	2,270	6,810	kg	Drilling cho storage ar	·ea		o-methylated ica, respirable	68201-64- 9 14808-60- 7	AECOM, 2024a – Appendix E
				Chek-Loss fibrous LCM	1,360	4,080	kg	Drilling cho storage ar		Cellulose		9004-34-6	AECOM, 2024a – Appendix E
				Citric acid - pH control	1,360	4,080	L	Drilling cho storage ar		Citric acid		<mark>77-92-9</mark>	AECOM, 2024a – Appendix E
				Ecco-Temp high temp extender	8,000	24,000	L	Drilling che storage ar		<u>Triethanolan</u>	<mark>nine</mark>	102-71-6	AECOM, 2024a – Appendix E
				Flowzan viscosifier	5,000	15,000	kg	Drilling che storage ar	rea	Contains no ingredients a	nazardous ccording to GHS.	N/A	AECOM, 2024a – Appendix E
				KEN-SEAL [™] PLUS - high temperature filtration control agent	4,000	12,000	Kg	Drilling cho storage ar	rea	Copolymer, s dimethylacry acrylamidom sulfonic		Proprietary	AECOM, 2024a – Appendix E
				Mil-Lime (Calcium hydroxide) alkalinity	1,361	4,080	L	Drilling cho storage ar		calcium di-hy	<mark>rdroxide</mark>	1305-62-0	AECOM, 2024a – Appendix E
				Magnesium oxide pH buffer	7,500	22,500	kg	Drilling cho storage ar		magnesium (oxide	1309-48-4	AECOM, 2024a – Appendix E

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well Drill Well Testing Program Exploration F Environment Management Plan		Unique EMP ID		ORI10	-3	Mod #	8	Date	26 March 2	2025
	Current EMP to	ext						Amend	led EMP text				
				Mil-bio SEA 98 biocide	1,800	5,400	L	Drilling costorage a		THPS		<mark>55566-30-</mark> 8	AECOM, 2024a – Appendix E
				Mil-carb LCM / bridging	5,000	15,000	kg	Drilling c storage a	area (imestone crystalline sili powder	<mark>ca, respirable</mark>	1317-65-3 14808-60- 7	AECOM, 2024a – Appendix E
				Milstarch filtration control	5,000	15,000	kg	Drilling c storage a	<u> </u>	<mark>itarch</mark>		9005-25-8	AECOM, 2024a – Appendix E
				Navi-Lube lubricant	16,650	49,950	L	Drilling c	area P	ether Benzene, mo Herivatives, fi	light ycol monobutyl no-C10-13-alkyl actionation	64742-47- 8 112-34-5	AECOM, 2024a – Appendix E
									S F P		odium salts stillates,	148520- 82-5	
										iikyi derivati	es, soulum saits	64742-52- 5	
												69669-44- 9	
				New-Drill Plus shale stabiliser	1,000	3,000	kg	Drilling of storage a	area \		ncid, polymer namide, sodium	<mark>25987-30-</mark> 8	AECOM, 2024a – Appendix E
				Noxygen XT oxygen scavenger	884	2,652	kg	Drilling c storage a	l <u> </u>		o-3-O-sodio-D- no-1,4-lactone	6381-77-7	AECOM, 2024a – Appendix E
				Ova Col 110 HC cloud point glycol	13,000	39,000	kg	Drilling c storage a	<u> </u>	Glycol Ether		9004-77-7	AECOM, 2024a – Appendix E
				Potassium chloride salt / shale stabiliser	41,000	123,000	kg	Drilling c storage a	r	otassium ch	<mark>loride</mark>	7447-40-7	AECOM, 2024a – Appendix E
				Potassium hydroxide pH source	1,250	3,750	kg	Drilling c storage a	·	otassium hy	<mark>droxide</mark>	1310-58-3	AECOM, 2024a – Appendix E
				Pyro-Trol II HT filtration control	25	75	kg	Drilling costorage a	area 2	Copolymer of 2-acrylamide propane sulfo		Proprietary	AECOM, 2024a – Appendix E

Interest holder	=:-1			lling, Stimulation and Permit (EP) 98 & 76	Unique EMP ID		ORI10	1-3	Mod #	8	Date	26 March 2	2025
	Current EMP to	ext	•			<u> </u>		Amende	ed EMP text				
				Pyro-Vis II HT viscosifier	1,400	4,200	kg	Drilling ch storage ar	-	-Butyl alcoho	ıl	75-65-0	AECOM, 2024a – Appendix E
				Soda ash pH and hardness control	1,000	3,000	kg	Drilling ch storage ar	_	odium carbo	nate	497-19-8	AECOM, 2024a – Appendix E
				Sodium bicarbonate pH and hardness control	1,000	3,000	kg	Drilling ch storage ar	-	odium hydro	gen carbonate	144-55-8	AECOM, 2024a – Appendix E
				Sodium chloride - salt	54,400	163,200	kg	Drilling ch storage ar		odium chlori	de	7647-14-5	AECOM, 2024a – Appendix E
				W.O. defoam defoamer	600	1,800	L	Drilling ch storage ar	_	L-Hexanol, 2-	ethyl-	104-76-7	AECOM, 2024a – Appendix E
				Xan-Plex D viscosifier	3,000	9,000	kg	Drilling ch storage ar	rea i	Contains no h ngredients ac	azardous cording to GHS.	N/A	AECOM, 2024a – Appendix E
				TEQ-LUBE II - lubricant	14,400	43,200	kg	Drilling ch storage ar	rea <mark>k</mark>	Poly(oxy-1,2-e nydro-ω-hydr 1,2-diol, etho:		25322-68- 3	AECOM, 2024a – Appendix E
				TEQ-LUBE II - lubricant	14,400	43,200	kg	Drilling ch storage ar	rea (Poly(oxy-1,2-e 9Z)-9-octade nydroxy-, pho		39464-69- 2	AECOM, 2024a – Appendix E
				NEW-THIN – Polymeric thinner	4,680	14,040	kg	Drilling ch storage ar	roa	Contains no h	azardous cording to GHS.	N/A	AECOM, 2024a – Appendix E
				LC-LUBE -lubricant (graphite)	9,090	27,270	kg	Drilling ch storage ar		Natural graph	ite	7782-42-5	AECOM, 2024a – Appendix E
				MAX-GUARD EA	<mark>26,000</mark>	7 8,000	L	Drilling ch storage ar	rea F e	Poly[oxy(metl ethanediyl)], o aminomethylo aminomethylo	α-(2- ethyl)-ω-(2-	9046-10-0	AECOM, 2024a – Appendix E
									<u> </u>	Acetic acid		64-19-7	AECOM, 2024a – Appendix E
								Drilling ch storage ar	rea a		s of 7- 1,13-diamine nylenediamine	Proprietary	AECOM, 2024a – Appendix E
				MAX-GUARD PLUS	<mark>26,000</mark>	<mark>78,000</mark>	L		a	acetic acid		64-19-7	AECOM, 2024a – Appendix E
									ŀ	nexamethyler	nediamine	124-09-4	AECOM, 2024a – Appendix E

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well Dri Well Testing Program Exploration Environment Management Plan		Unique EMP ID		ORI10	-3 Mod #	8	3	Date	26 March 2	2025
	Current EMP	text						Amended EMP to	ext				
									cycloh	hex-1,2-yle	<mark>enediamine</mark>	<mark>694-83-7</mark>	AECOM, 2024a – Appendix E
								Drilling chemical storage area		thanediam oethyl)-	ine, N-(2-	111-40-0	AECOM, 2024a – Appendix E
				MAX-GUARD PLUS A	26,000	78,000	L		acetic	c acid		64-19-7	AECOM, 2024a – Appendix E
				SARALINE 185V	18,603	55,809	kg	Drilling chemical storage area			er-Tropsch), d and Linear	848301- 67-7	AECOM, 2024a – Appendix E
				Proppants*		L	1						I.
				100 mesh sand- proppant	91,000	273,000	kg	Stimulation Chemical storage area	Sand			14808-60-7	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1
				Quartz or organophilic phyllosilicate- proppant	1,084	3,252	L	Stimulation Chemical storage area		tz or organ osilicate	ophilic	14808-60-7	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1
				40/70 sand- proppant	,650,000	4,950,000	kg	Stimulation Chemical storage area	Sand			14808-60-7	<u> </u>
				30/50 sand- proppant	610,000	1,830,000	kg	Stimulation Chemical storage area	Sand			14808-60-7	AECOM, 2024a – Appendix E EHS Support, (2023) – Appendix E.1 as 20/40
				Silicon dioxide (quartz/sand) 100 sand	<mark>,757,614</mark>	14,272,842	kg	Stimulation Chemical storage area	Sand			14808-60-7	AECOM, 2024b – Appendix E.2

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well Dril Well Testing Program Exploration Environment Management Plan	-	Unique EMP ID		ORI10-	3	Mod #	8	Date	26 March	2025
	Cu	rrent EMP text						Amend	ed EMP text				
				Silicon dioxide (quartz/sand) 40/70	<mark>,435,287</mark>	16,305,860	kg	Stimulation Chemical storage and	_	Sand		14808-60-7	AECOM, 2024b – Appendix E.2
				* Proppants are sand w within the well pad bur contaminated spill mat	nd. Residual pi	oppant fron							
				Cleaning Chemicals and									
				Soda ash – sodium carbonate	<mark>3,750</mark>	<mark>11,250</mark>	<mark>kg</mark>	Stimulation Chemical storage and	_	Sodium carbo response in o	onate - spill event acid spill	<mark>497-19-8</mark>	AECOM, 2024b – Appendix E.2
				Flush fluid - distillates (petroleum), hydrotreated	1,500	<mark>4,500</mark>	L	Stimulation Chemical storage and		Distillates (po hydrotreated cleaning	etroleum), d - equipment	64742-47-8	AECOM, 2024b – Appendix E.2
3.13.5 Stormwa Table 22: Storm Monitoring	water release and re-use limits Release limit	Limit basis		3.13.5 Stormwater Table 22: Stormwate	er release a			imit bas	e				
parameter				parameter	Neiease III	iiit	<u>ן</u>	iiiiit bas	3				
Electrical conductivity	1,300 µs/cm		lues used due to the absence of ses, with the protection of soils the	Off-site release an	nd dust sup	pression							
1		most relevant envir	onmental Value (EV). The guideline	Amenity	No visi	ble oil, gre	ase or	other hyd	Irocarbons.				
		1 20000 011 1110 1			, 3		-						
		moderately sensitive	rrigation water salinity ratings for re crops. (Sources from Table 9.2.5				caused	by surfa	ctants and d	etergents.			
		moderately sensitive	re crops. (Sources from Table 9.2.5 lelines (2000) Volume 3, Chapter 9,			ble foams		•		etergents.			
рН	6.5 – 9.5	moderately sensitive of the ANZEC Guide Primary Industries) Sodium adsorption anticipated to be lost are sandy loam (as SAR in irrigation was increase the sodicity ANZEC Guidelines Primary Industries)	ratio (SAR) of stormwater is w, well below <20. Receiving soils described in section 4.1.3), with ater >20 permissible which will not y of soils (Sources from Table 9.2.6 (2000) Volume 3, Chapter 9,		No visi	ble foams	The Rid the cro Prii The the	e limit of lge forma ANZECO ps (Table mary indue propose changin	1,300 µs/cm tion (the ma 2 short term i 9.2.5 of the estries). ed EC limit is g soil salinition	was chos in source rrigation g ANZEC G s underpines and the	en as it aligns of water used uideline value uidelines (200 ned by mode e potential for	on proposed for moderate 00) Volume 3, ling designed impact on th	d sites) and ely sensitive Chapter 9, d to assess e receiving

Interest hold	ler	Tamboran	B2 Pty Ltd		Title	Beetaloo Sub-basin N Well Testing Program Environment Manage	Exploration F	_		ique P ID	ORI10-3	Mod #	8	Date	26 March 2	2025
		<u> </u>	Curre	ent EMP tex	t .						Amer	ded EMP te	xt			
					e 2 Aquatic ec round information	osystems – ratio	nale and				be in the of This is be types in the Ridge Forwalues, increase critical The adopt operations	order of 1.6 low the like area. Also mation was dicates that teria is unliked discharged sites on EF	dS/m (for a saly vegetation of the sodium calculated at 2 the release coely to cause secriteria are well.)	s the maximulandy loam) to root zone sa adsorption rack, which when of stormwater oil structural is videly used by and EP 76, win.	o 1.7 dS/m (inity of the latio (SAR) for combined who based on the ssues.	for a clay). vegetation or the Gum with the EC the revised at its other
								рН	5.2 – 9	9.0	pH levels of has observaround the a site in a	of 5.24 observed pH level e pH of 5 level very short per efore increase observed in over several f rainwater.	rved at Daly Wals on its encluded. Given the learning as they in sediment based in hours after a Given the exist	erved regiona laters on Maro osed tank lide arge volume on the sedimen of the sedimen of the sins onsite, was rainfall even ting pH of rair riate release li	ch 20, 2024. Is and sedim of rainwater to the basin is an one receiving of the phincre of the to the onwater is app	Tamboran nent basins that falls on ticipated to soils. This easing from low buffer proximately
4.2 Biologica	l environmen	it						4.2 Biologica	l environmen	nt						<u> </u>
Beetaloo Suk Amungee NV The existing Construction	o-basin, EP98 a V-1H EMP (NT biological env EMP (NT-205	and 117 Explora -2050-35-PH-0 ironment for Vo 50-15-MP-3-1) a	ation Drilling E 018). elkerri 76 S2 w Ind the Beetal	MP (NT-205 vas describe oo Basin Dri	d in the Beetaloo Balling, Stimulation ar	en described previo d the Beetaloo Sub-l asin Velkerri 76 S2 C nd Well Testing Prog	oasin Civil gram	Beetaloo Sub Amungee NV The existing b	-basin, EP98 a V-1H EMP (OF Diological env	and 117 Exploi RI7-2). ironment for V	ment of the An ration Drilling E relkerri 76 S2 waloo Basin Velk	MP (NT-205	0-35-PH-0018 d in the Beeta	3) and the Bee	etaloo Sub-b kerri 76 S2 C	asin :ivil
	•	50-15-MP-032) <u>ved-emp.pdf</u>	. <u>nttps://dep</u>	ws.nt.gov.au	i/data/assets/pd	f_file/0008/735317/	<u>/ep/6-s2-</u>	Velkerri 76 S2	2 EMP (ORI5-4	<mark>4).</mark>						
-			e at https://d	epws.nt.gov	.au/onshore-gas/ei	nvironment-manage	ement-				le at NT Onsho					
plan/approve	ed-emps.							The environn	nental land co	ondition report	s are presente	<mark>d in Append</mark>	ix K.1 and App	oendix K.2.		
			•	•	npleted by AECOM under this EMP.	(2021) (Appendix K) which									
8.5 Monitori	ng							8.5 Monitori	ng							
Table 34: Mo	onitoring prog	gram summary						Table 34: Mo	nitoring prog	gram summary	,					
Monitoring program	Purpose	Monitoring points	Parameters	Frequency	Investigation thresholds	Instrument calibration	Reference document	Monitoring program	Purpose	Monitoring points	Parameters	Frequency	Investigation thresholds	Instrum calibrat		Reference document
Stormwater	Manage stormwater collected within bunds during activities	Chemical storage areas	Field EC and pH	Prior to release	Off-site release and dust suppression limits: • pH 6-9 • EC 1300µs/cm	Instrument calibrated before use. pH probe calibrated with a two point calibration using a pH buffer of 7 and 10. EC meter	N/A	Stormwater	Manage stormwater collected within bunds during activities	Chemical storage areas	Field EC and pH	Prior to release	Off-site release dust suppression limits: • pH 5.2 – 9.0 • EC 1300 µs/c	calibrate use. pH prob with a to calibrati	ed before se calibrated wo point son using a er of 7 and	N/A

Interest holder	Tamboran B2 Pty Ltd	Title	Beetaloo Sub-basin Multi-well Dril Well Testing Program Exploration Environment Management Plan	=	Unique EMP ID	ORI10-3	Mod #	8	Date	26 March 2025
	Current EMP t	ext				Amend	led EMP text			
			calibrated with a						calibrat	ed with a
			1413μs/cm (or						1413µs	/cm (or
			similar) standard						similar)	standard

Appendix F Spill Management Plan

Spill Management Plan Appendix A Chemical volumes per well and storage areas (based on maximum 3 wells per pad)

Material name	Typical volume	Maximum volume	Unit	Storage area
Acetic Acid - 60% PH control	3,000	6,000	L	Stimulation chemical storage area
BE-9 Biocide	17,000	34,000	L	Stimulation chemical storage area
Caustic Soda Liquid pH control/ buffer	15,000	30,000	L	Stimulation chemical storage area
DCA-11001 Breaker Activator	5,000	10,000	L	Stimulation chemical storage area
DCA-13002 Breaker	300	600	kg	Stimulation chemical storage area
DCA-13003 Breaker	10,000	20,000	L	Stimulation chemical storage area
DCA-16001 Clay Stabiliser	42,000	84,000	L	Stimulation chemical storage area
DCA-17001 Corrosion Inhibitor	1,000	2,000	L	Stimulation chemical storage area
DCA-19001 Crosslinker	600	1,200	kg	Stimulation chemical storage area
DCA-19002 Crosslinker	10,000	20,000	L	Stimulation chemical storage area
DCA-23001 Friction Reducer	5,000	10,000	kg	Stimulation chemical storage area
DCA-23003 Friction Reducer	18,000	36,000	L	Stimulation chemical storage area
DCA-25005 Gelling Agent	35,000	70,000	kg	Stimulation chemical storage area
DCA-30001 Scale Inhibitor	15,000	30,000	L	Stimulation chemical storage area
DCA-32002 Surfactant	15,000	30,000	L	Stimulation chemical storage area
DCA-32014 Surfactant	200	400	L	Stimulation chemical storage area
FE-2 Buffer	200	400	kg	Stimulation chemical storage area
Hydrochloric Acid - 32%	50,000	150,000	L	Stimulation chemical storage area
100 Mesh Sand- Proppant	91,000	182,000	kg	Stimulation chemical storage area
40/70 Sand- Proppant	1,650,00 0	3,300,000	kg	Stimulation chemical storage area
30/50 Sand- Proppant	610,000	1,220,000	kg	Stimulation chemical storage area
Alcohols, C11-14-iso-, C13- rich,ethoxylated- Surfactant	5285	10570	L	Stimulation chemical storage area
Sodium (C14-16) olefin sulfonate - Surfactant	4658	9316	L	Stimulation chemical storage area
Diisobutyl glutarate - plasticiser	627	1254	L	Stimulation chemical storage area

Appendix F Spill Management Plan

Appendix A Chemical volumes per well and storage areas (based on maximum 3 wells per pad)

NOTE: In accordance with the Code, a chemical risk assessment has been completed on all listed chemicals, which have been verified to not be toxic and persistent and bioaccumulative.

Material name	Typical volume	Maximum volume	Unit	Storage area	Hazardous (Y/N)
Acetic acid – 60%	3,000	9,000	L	Stimulation chemical storage area	No
BE-9 Biocide	17,000	51,000	L	Stimulation chemical storage area	Yes
Caustic Soda Liquid	15,000	45,000	L	Stimulation chemical storage area	No
DCA-11001 Breaker activator	5,000	15,000	L	Stimulation chemical storage area	Yes
DCA-13002 Breaker	300	900	kg	Stimulation chemical storage area	Yes
DCA-13003 Breaker	10,000	30,000	L	Stimulation chemical storage area	Yes
DCA-16001 Clay Stabiliser	42,000	126,000	L	Stimulation chemical storage area	No
DCA-17001 Corrosion inhibiter	1,000	3,000	L	Stimulation chemical storage area	Yes
DCA-19001 Crosslinker	600	1,800	kg	Stimulation chemical storage area	Yes
DCA-19002 Crosslinker	10,000	30,000	L	Stimulation chemical storage area	Yes
DCA-23001 Friction reducer	5,000	15,000	kg	Stimulation chemical storage area	No
DCA-23003 Friction reducer	18,000	54,000	L	Stimulation chemical storage area	No
DCA-25005 Gelling agent	35,000	105,000	kg	Stimulation chemical storage area	No
DCA-30001 Scale inhibitor	15,000	45,000	L	Stimulation chemical storage area	No
DCA-32002 Surfactant	15,000	45,000	L	Stimulation chemical storage area	Yes
DCA-32014 Surfactant	200	600	L	Stimulation chemical storage area	Yes
FE-2 Buffer	200	600	kg	Stimulation chemical storage area	No
Hydrochloric acid – 32%	50,000	150,000	L	Stimulation chemical storage area	Yes
Alcohols, C11-14-iso-, C13-rich,ethoxylated- Surfactant	5,285	15,855	L	Stimulation chemical storage area	Yes
Sodium (C14-16) olefin sulfonate - Surfactant	4,658	13,974	L	Stimulation chemical storage area	Yes
Diisobutyl glutarate - plasticiser	627	1,881	L	Stimulation chemical storage area	No
Diisobutyl succinate - plasticiser	209	627	L	Stimulation chemical storage area	No
Diisobutyl adipate- plasticiser	179	537	L	Stimulation chemical storage area	No
Sodium thiosulphate- stabilising agent	4,763	14,289	L	Stimulation chemical storage area	No
Sodium sulphate stabilising agent	913	2,739	L	Stimulation chemical storage area	No
Sodium sulphite stabilising agent	794	2,382	L	Stimulation chemical storage area	No
Ethylene glycol- crosslinker	5,112	15,336	L	Stimulation chemical storage area	Yes

Interest holder	Tamboran B	2 Pty Ltd		EMP Title	Well 1	loo Sub-basin Multi-well [Festing Program Exploration Inment Management Plar	on Permit (EP) 98 & 76	Unique EMP ID	ORI	10-3	Mod #	8	Date	2	26 March	2025
		Curren	nt EMP te	ext						Amende	d EMP te	xt				
Diisobutyl succinate - plasticiser	209	418	L	Stimulation ch	chemical st	torage area	Choline Chloride- Cla stabiliser	ау	10,301	30,903	B L	Stimulati	on chemic	cal storag	e area	No
Diisobutyl adipate-	179	358	L	Stimulation ch	chemical st	torage area	Glutaraldehyde- bioc	ide	14,930	44,790) L	Stimulati	on chemi	cal storag	e area	Yes
plasticiser							Ammonium sulphate-	- breaker	4,479	13,49	L	Stimulati	on chemi	cal storag	e area	Yes
sodium thiosulphate- stabilising agent	4763	9527	L	Stimulation ch	chemical st	torage area	Polyacrylamide- fricti reducer	on	4,479	13,49	L	Stimulati	on chemi	cal storag	e area	No
sodium sulphate stabilising agent	913	1827	L	Stimulation ch	chemical st	torage area	Sodium polyacrylate- agent	gelling	746	2,238	B L	Stimulati	on chemi	cal storag	e area	No
sodium sulphite stabilising	794	1588	L	Stimulation ch	chemical st	torage area	Sodium bisulfite- stat	oiliser	149	447	' L	Stimulati	on chemic	cal storag	e area	No
agent							Alkyl alcohol- surfact	ant	149	447	' L	Stimulati	on chemic	cal storag	e area	Yes
Ethylene Glycol- Crosslinker	5112	10225	L	Stimulation ch	chemical st	torage area	2-Propenoic acid, homopolymer, ammo salt- biocide	nium	149	447	L	Stimulati	on chemi	cal storag	e area	Yes
Choline Chloride-	10301	20603	L	Stimulation ch	chemical st	torage area	Potassium persulfate	-broaker	149	447	, L	Stimulati	on chemic	cal storac	le area	Yes
Claystabiliser Glutaraldehyde- Biocide	14930	29859	L	Stimulation ch	chemical st	torage area	2-Ethoxy-naphthalen		149	447		+	on chemic			Yes
Ammonium Sulphate-	4479	8958	L	Stimulation ch	chemical st	torage area	Sodium gluconate- st	ahiliser	8,576	25,728	3 L	Stimulati	on chemic	cal storac	e area	No
Breaker							Boric -crosslinker	labilisei	4,288	12,864		+	on chemic			Yes
Polyacrylamide- Friction reducer	4479	8958	L	Stimulation ch	chemical st	torage area	Potassium hydroxide control	- pH	10,745	32,235			on chemic			Yes
Sodium polyacrylate-	746	1493	L	Stimulation ch	chemical st	torage area	Mannanase- crosslin	ker	2	() L	Stimulati	on chemic	cal storac	e area	Yes
gelling agent							Ammonium persulpha		7,451	22,353	3 L		on chemic			Yes
Sodium bisulfite- stabiliser	149	299	L	Stimulation ch			breaker		·							
Alkyl Alcohol- surfactant	149	299	L	Stimulation ch			Talc- buffer		384	1,152	2 L	Stimulati	on chemi	cal storag	e area	No
2-Propenoic acid,	149	299	L	Stimulation ch	chemical st	torage area	Sodium bromate- bre	aker	50,441	151,323	3 L	Stimulati	on chemi	cal storag	e area	Yes
homopolymer, ammonium salt- biocide							Hepta sodium phospi emulsifier	honate-	3,176	9,528	B L	Stimulati	on chemi	cal storag	je area	No
Potassium persulfate- braker	149	299	L	Stimulation ch	chemical st	torage area	Distillates, hydrotreat friction reducer	ed light-	54,231	162,693	B L	Stimulati	on chemi	cal storag	e area	No
2-Ethoxy-naphthalene-	149	299	L	Stimulation ch	chemical st	torage area	Guar gum- viscosity	regulator	15,141	45,423	3 L	Stimulati	on chemic	cal storag	e area	No
surfactant Sodium Gluconate-	8576	17152	L	Stimulation ch	chemical st	torage area	Poly-oxyethylene nonylphenol ether- su	urfactant	4,466	13,398	B L	Stimulati	on chemi	cal storag	e area	Yes
stabiliser						~	Quaternary ammoniu	ım	4,466	13,398	3 L	Stimulati	on chemi	cal storag	e area	Yes
Boric -Crosslinker	4288	8576	L	Stimulation ch	chemical st	torage area	compounds, bis(hydrogenated tall	ow								
Potassium Hydroxide- pH control	10745	21491	L	Stimulation ch	chemical st	torage area	alkyl)dimethyl, salts v bentonite- biocide	vith								
Mannanase- Cross linker	2	4	L	Stimulation ch	chemical st	torage area	1,6-Hexanediol- cros	s linker	447	1,34	L	Stimulati	on chemi	cal storag	e area	Yes
Ammonium Persulphate-	7451	14902	L	Stimulation ch			Hydrochloric acid- ph	l control	44,715	134,14	i L	Stimulati	on chemi	cal storag	e area	Yes
breaker							N-benzyl-alkyl pyridir	nium	28	84	L L	Stimulati	on chemi	cal storag	e area	Yes
Talc- buffer	384	769	L	Stimulation ch	chemical st	torage area	chloride- pH control	<u> </u>		4.4	, ,	Ction : I = 1	on charry	ool etc :	10.0%==	V
Sodium Bromate- breaker	50441	100881	L	Stimulation ch	chemical st	torage area	Formic acid- corrosio inhibitor	n	38	114	l L	Stimulati	on chemi	cai storag	je area	Yes
Hepta sodium phosphonate- Emulsifier	3176	6351	L	Stimulation ch	chemical st	torage area	Sodium erythorbate- prohibitor	scaler	334	1,002	2 L	Stimulati	on chemic	cal storag	e area	No
DISTILLATES,	54231	108462	L	Stimulation ch	chemical st	torage area	Citric acid- pH contro	ı	15,878	47,634	L L	Stimulati	on chemi	cal storag	e area	No
HYDROTREATED LIGHT-							Acetic acid- pH contr		15,878	47,634		+	on chemic			No
friction reducer							Isopropanol- clay management		83	249	L	Stimulati	on chemi	cal storag	e area	Yes

Interest holder	Tamboran B	2 Pty Ltd		EMP Title	Beetaloo Sub-basin Multi-w Well Testing Program Explo Environment Management	ration Permit (EP) 98 & 76	Unique EMP ID	ORI10	D-3 I	Mod #	8	Date	26 March	2025
		Curren	t EMP te	xt					Amended	d EMP te	ext			
Guar Gum- Viscocity regulator	15141	30282	L	Stimulation chemical storage area		Ethoxylated C12-C16	6 alcohol	57	171	L	Stimulation chemical storage area			Yes
Polyoxyethylene nonylphenol ether-	4466	8933	L	Stimulation cho	emical storage area	Ethoxylated decanol surfactant	-	19	57	L	Stimulation	n chemical stora	ge area	Yes
surfactant						Cinnamaldehyde- bio	ocide	57	171	L	Stimulation	n chemical stora	ge area	Yes
Quaternary ammonium compounds,	4466	8933	L	Stimulation cho	emical storage area	Ethoxylated tallow all amine - surfactant		9	27	L	Stimulation chemical storage area			Yes
bis(hydrogenated tallow alkyl)dimethyl, salts with						Methanol- corrosion in Polyacrylamide - frict		49,093	6 147,279			n chemical stora n chemical stora		Yes No
bentonite- biocide						reducer								
1,6-Hexanediol- cross linker	447	893	L	Stimulation cho	emical storage area	Polyethylene glycol trimethylnonyl ether - manager	- clay	87	261	L	Stimulation	n chemical stora	ge area	Yes
Quartz or Organophilic	1084	2167	L	Stimulation cho	emical storage area	Water in additive- sta	abiliser	66,804	200,412	L	Stimulation	n chemical stora	ge area	No
phyllosilicate- proppant HydroChloric Acid- pH	44715	89430	L	Stimulation ch	emical storage area	Potassium sorbate for grade- corrosion inhile		14	42			n chemical stora		No
control N-Benzyl-Alkylpyridinium Chloride- pH control	28	57	L	Stimulation cho	emical storage area	Mannanase (Mannar 1,4-beta-mannosidas cross linker		2	6	L	Stimulation	n chemical stora	ge area	Yes
Formic Acid- corrosion	38	76	L	Stimulation che	emical storage area	Nonoxynol-9- surfact	ant	9	27	L	Stimulation	n chemical stora	ge area	Yes
inhibitor Sodium erythorbate- scaler	334	668			emical storage area	2-Ethylhexanol PO/E polymer- stabiliser	0	9	27	L	Stimulation	n chemical stora	ge area	No
prohibitor	334	000	-	Stimulation civ	errical storage area	Corn oil- friction redu	icer	662	1,986	L	Stimulation	n chemical stora	ge area	No
Citric Acid- pH control	15878	31756	L		emical storage area	AL-CI-1F - HT Acid C	Corrosion	1,022	3,066	L	Stimulation	n chemical stora	ge area	Yes
Acetic Acid- pH control	15878	31756	L		emical storage area	AL-FE-1F - Iron Cont	trol	2,001	6,002	L	Stimulation	n chemical stora	ge area	Yes
Isopropanol- clay	83	167	L	Stimulation che	emical storage area	BFL-1F - Low Buffer		2,000	6,000	L	Stimulation	n chemical stora	ge area	Yes
management Ethoxylated C12-C16	57	114		Stimulation ch	emical storage area	BHE-01F - Encapsul	ated AP	<mark>173</mark>	<mark>519</mark>	L	Stimulation	n chemical stora	ge area	Yes
Alcohol - surfactant						BIO-GQ510 - Biocide Glut Quat	2 5/10	38,715	116,144	L	Stimulation	n chemical stora	ge area	Yes
Ethoxylated Decanol - surfactant	19	38	L	Stimulation cho	emical storage area	CSA-1F - Clay Contro	ol (70%	96,786	290,358	L	Stimulation	n chemical stora	ge area	No
Cinnamaldehyde- biocide	57	114	L	Stimulation che	emical storage area	HCL-15B - 15% HCL		508,008	1,524,023	L	Stimulation	n chemical stora	ge area	Yes
Ethoxylated Tallow Alkyl Amine - surfactant	9	19	L	Stimulation cho	emical storage area	SFT-NE-1F - Flowba Surfactant (NE)	ck	48,666	145,997	L	Stimulation	n chemical stora	ge area	Yes
Methanol- corrosion inhibitor	2	4	L	Stimulation cho	emical storage area	BFH-1F - High Buffer FRP-BL1F - HVFR A		2,000	6,000	L		n chemical stora		Yes
Polyacrylamide - friction reducer	49093	98186	L	Stimulation cho	emical storage area	(Freshwater) LGA-01F - Guar Gel		114,830	344,490	L		n chemical stora	-	Yes
Polyethylene glycol	87	173	L	Stimulation che	emical storage area	Concentrate		<mark>13,594</mark>	<mark>40,781</mark>	L		n chemical stora		Yes
trimethylnonyl ether - clay manager						SCI-1F - Scale Inhibi XLB-C1F - Instant Cr		96,786	290,358	L		n chemical stora		No
Water in Additive- stabiliser	66804	133607	L	Stimulation cho	emical storage area	linker Sodium chloride		3,263 15,000	9,788 45,000	L kg		on chemical stora		Yes No
Potassium Sorbate Food	14	29	ı	Stimulation ch	emical storage area	ALDACIDE G		500	1,500		_	on chemical stora	-	Yes
Grade- corrosion inhibitor	14	23	L		cimear storage area	OXYGON		100	300	+	-	on chemical stora	-	No
	<u> </u>			l		BARACOR 100		2,000	6,000	L		on chemical stora	-	Yes
						Sodium Hypochlorite	10-30%	10,000	30,000	I I		on chemical stora	-	Yes

Interest holder	Tamboran B	32 Pty Ltd		EMP Title	Well Testi	Sub-basin Multi-well Dri ing Program Exploration ent Management Plan	O .	Unique EMP ID	ORI	10-3	Mod #	8	Date	26 March	າ 2025	
Current EMP text							Amended EMP text									
Mannanase (Mannan	2	4	L	Stimulation chemical storage area		age area	CON-DET		50	150	0 kg Drilling chemical storage are			rea	No	
endo-1,4-beta-							SAPP		50	150	kg	Drilling cl	hemical storage a	ırea	No	
mannosidase)- cross linker							Bentonite		3,000	9,000	kg	Drilling cl	hemical storage a	ırea	No	
Nonoxynol-9- surfactant	9	19	L	Stimulation ch			Caustic soda		1,400	4,200	kg	Drilling cl	hemical storage a	ırea	No	
2-Ethylhexanol PO/EO polymer- stabiliser	9	19	L	Stimulation ch	hemical stora	age area	EZ MUD DP or EZ M Liquid	UD	2,000	6,000	kg	Drilling cl	hemical storage a	ırea	No	
Corn Oil- friction reducer	662	1325	L	Stimulation ch	hemical stora	age area	ALDACIDE G		336	1008	kg	Drilling cl	hemical storage a	ırea	Yes	
Sodium hypochlorite	10,000	30,000	L	Completion ch	hemical stora	age area	STOPPIT		1,000	3,000	kg	Drilling cl	hemical storage a	irea	No	
Sodium Chloride-	15,000	30,000	kg	Completion ch	hemical stora	age area	Soda ash		350	1050	kg	Drilling cl	hemical storage a	ırea	Yes	
weighting agent	,	, l	Ü	'			BARACOR 100		250	750	kg	Drilling cl	hemical storage a	irea	Yes	
ALDACIDE G Biocide	500	1,000	L	Completion ch	hemical stora	age area	Sodium chloride (flos	sy salt)	96,000	288,000	kg	Drilling cl	hemical storage a	ırea	No	
OXYGON Oxygen	100	200	kg	Completion ch	hemical stora	age area	Barite		500	1,500	kg	Drilling cl	hemical storage a	rea	No	
scavenger			_				BARACARB		500	1,500	kg	Drilling c	hemical storage a	rea	Yes	
BARACOR 100 corrosion	2,000	4,000	L	Completion ch	hemical stora	age area	Citric acid		500	1,500	kg	Drilling cl	hemical storage a	rea	Yes	
inhibitor							BARADEFOAM HP		500	1,500	kg	Drilling cl	hemical storage a	ırea	No	
CON-DET wetting agent	50	100	kg	Drilling chemic	ical storage a	rea	Sodium Bicarbonate		500	1,500	kg	Drilling cl	hemical storage a	rea	No	
SAPP- sodium Acid	50	100	kg	Drilling chemic	ical storage a	rea	PERFORMATROL		500	1,500	kg	Drilling cl	hemical storage a	rea	Yes	
Phosphate cement							SOURSCAV		500	1,500	kg	Drilling cl	hemical storage a	ırea	No	
treatment							DRIL-N-SLIDE		500	1,500	kg	Drilling cl	hemical storage a	rea	No	
Bentonite- lubricant	3,000	6,000	kg	Drilling chemic	ical storage a	rea	STEELSEAL		500	1,500	kg	Drilling cl	hemical storage a	rea	Yes	
Caustic Soda-pH control	1,400	2,800	kg	Drilling chemic	ical storage a	rea	BARAZAN D or BAR	AZAN D	4,150	12,450	kg	Drilling cl	hemical storage a	ırea	No	
EZ MUD DP or EZ MUD	2000	4,000	kg	Drilling chemic	ical storage a	rea	Plus		2 222	2.222	╀. ┤	5			.,	
Liquid- drilling mud							PAC L		2,300	6,900	kg		hemical storage a		Yes	
ALDACIDE G Biocide	336	672	kg	Drilling chemic	ical storage a	rea	Potassium chloride		22,500	67,500	kg		hemical storage a		No	
STOPPIT Loss of circulation	1,000	2,000	kg	Drilling chemic	ical storage a	rea	QUIK-FREE	FIDDE	500	1,500	kg		hemical storage a		No No	
material Soda Ash- drill mud	350	700	kg	Drilling chemic	ical storage a	rea	BAROFIBRE, BARO Superfine and BARO COARSE		500	1,500	kg	Drilling C	hemical storage a	irea	140	
conditioner							BaraBlend-657		500	1,500	kg	Drilling c	hemical storage a	ırea	Yes	
BARACOR 100 Corrosion	250	500	kg	Drilling chemic	ical storage a	rea	N-DRIL HT Plus		500	1,500	kg	Drilling cl	hemical storage a	rea	Yes	
inhibitor	06.000	402.000	1.	D.:			DEXTRID LTE		4,600	13,800	kg	Drilling cl	hemical storage a	rea	No	
Sodium Chloride (Flossy	96,000	192,000	kg	Drilling chemic	icai storage a	rea	BARABUF		500	1,500	kg	Drilling cl	hemical storage a	ırea	No	
Salt)- weighting agent and formation inhibitor							BDF 933 or BaraLub	e W-933	864	2,592	kg	Drilling cl	hemical storage a	rea	Yes	
Barite- weighting agent	500	1,000	kg	Drilling chemic	ical storage a	rea	BAROLIFT		500	1,500	kg	Drilling c	hemical storage a	rea	No	
BARACARB loss of	500	1,000		Drilling chemic			OXYGON		500	1,500	kg	Drilling cl	hemical storage a	ırea	No	
circulation material	300	1,000	kg	Drilling Chemic	icai storage a	ilea	ENVIRO-THIN		500	1,500	kg	Drilling cl	hemical storage a	ırea	No	
Citric Acid- pH control	500	1,000	kg	Drilling chemic	ical storage a	rea	Lime		500	1,500	kg	Drilling cl	hemical storage a	rea	Yes	
BARADEFOAM HP Drilling	500	1,000	kg	Drilling chemic			Calcium chloride		37,000	111,000	kg	Drilling cl	hemical storage a	rea	Yes	
fluid/foam	300	1,000	' δ	Dinning Chemic	icui stoi age a	ii Cu	Sodium bromide		8,610	24,480	kg	Drilling cl	hemical storage a	rea	Yes	
Sodium Bicarbonate- pH	500	1,000	kg	Drilling chemic	ical storage a	rea	Evolube TR		14,500	43,500	L	Drilling cl	hemical storage a	rea	Yes	
buffer		,,,,,,	.0				Radiagreen EME		4,800	14,400	L	Drilling cl	hemical storage a	rea	Yes	
PERFORMATROL- polymer	500	1,000	kg	Drilling chemic	ical storage a	rea	Radiagreen EBL		4,800	14,400	L	Drilling cl	hemical storage a	rea	Yes	
fluid system							Polydrill		7,500	22,500	kg	Drilling cl	hemical storage a	rea	Yes	
							Alpine spotting beads	3	1,000	3,000	kg	Drilling cl	hemical storage a	irea	Yes	

Interest holder	Tamboran B	2 Pty Ltd		EMP Title	Beetaloo Sub-basin Multi- Well Testing Program Exp Environment Managemer	oration Pe	_	Unique EMP ID	ORI	10-3	Mod #	8	Date	26 March	2025
		Curren	t EMP te	xt				•		Amende	d EMP tex	ct		•	
SOURSCAV- mud additive	500	1,000	kg	Drilling chemic	cal storage area		Barite - weighting ag	gent	354,000	1,062,000	kg	Drilling ch	emical storage a	area	No
treat H2S contamination							Bio-Paq HT - filtratio	on control	1,134	3,410	kg	Drilling ch	nemical storage a	area	Yes
DRIL-N-SLIDE- Casing lubricant	500	1,000	kg	Drilling chemic	cal storage area		Brine-Pac XTS - cor inhibitor	rosion	3,400	10,200	L	Drilling ch	emical storage a	area	Yes
STEELSEAL- corrosion	500	1,000	kg	Drilling chemic	cal storage area		Calcium chloride - sa	alinity	180,000	540,000	kg	Drilling ch	emical storage a	area	Yes
inhibitor							CF Desco - defloccu	ulant	2,270	6,810	kg	Drilling ch	nemical storage a	area	Yes
BARAZAN D or BARAZAN D PLUS- viscosity increaser	4,150	8,300	kg	Drilling chemic	cal storage area		Chek Loss - fibrous Cellulose	LCM	1,360	4,080	kg	Drilling ch	emical storage a	area	No
PAC L Loss of circulation	2,300	4,600	kg	Drilling chemic	cal storage area		Citric acid - pH contr	rol	1,361	4,083	L	Drilling ch	emical storage a	area	Yes
material							Ecco-Temp - HT ext	ender	8,000	24,000	L	Drilling ch	emical storage a	area	Yes
Potassium Chloride-	22,500	45,000	kg	Drilling chemic	cal storage area		Flowzan - viscosifier	r	5,000	15,000	kg	Drilling ch	emical storage a	area	No
weighting agent and formation inhibitor							KEM-SEAL [™] PLUS temperature filtration agent	n control	4,000	12,000	Kg	Drilling ch	emical storage a	area	No
GEM CP/GP Shale stabiliser	500	1,000	kg	Drilling chemic	cal storage area		Mil-Lime alkalinity		1,361	4,083	1	Drilling ch	nemical storage a	area	Yes
QUIK-FREE – drilling	500	1,000	kg	Drilling chemic	cal storage area		Magnesium oxide - p	nH huffer	7,500	22,500	-		nemical storage a		No
additive		·					Mil-bio SEA 98 - bio		1,800	5,400			nemical storage a		Yes
BAROFIBRE, BAROFIBRE	500	1,000	kg	Drilling chemic	cal storage area		Mil-carb - LCM / brid		5,000	15,000		+	nemical storage a		No
Superfine and BAROFIBRE COARSE Loss of circulation							Milstarch filtration co		5,000	15,000			nemical storage a		No
material							Navi-Lube - lubrican		16,650	49,980		<u> </u>	emical storage a		Yes
BaraBlend-657 Loss of	500	1,000	kg	Drilling chemic	cal storage area	-	New-Drill Plus - shal		1,000	3,000	_		emical storage a		No
circulation material		2,000	6		sar storage area		stabiliser	.	.,000	0,000	1.19		.oou. o.o.ugo c		
N-DRIL HT PLUS filtration control additive	500	1,000	kg	Drilling chemic	cal storage area		Noxygen XT - oxyge scavenger	en	880	2,660	kg	Drilling ch	emical storage a	area	No
DEXTRID LTE filtration control additive	4,600	13,800	kg	Drilling chemic	cal storage area		Ova Col 110 HC - cle glycol	oud point	13,000	39,000) kg	Drilling ch	emical storage a	area	Yes
BARABUF pH buffer	500	1,000	kg	Drilling chemic	cal storage area	-	Potassium chloride s shale stabiliser	salt /	40,800	122,500	kg	Drilling ch	emical storage a	area	Yes
BORE-HIB shale stabiliser	500	1,000	kg	Drilling chemic	cal storage area		Potassium hydroxide	e - pH	1,250	3,750	kg	Drilling ch	emical storage a	area	Yes
BDF 933 or BaraLube W- 933 drilling lubricant	864	1,728	kg	Drilling chemic	cal storage area		Pyro-Trol II - HT filtra	ation	25	75	kg	Drilling ch	emical storage a	area	No
BAROLIFT sweeping agent	500	1,000	kg	Drilling chemic	cal storage area		control	.c	4 400	4.000		D :::: 1			
OXYGON Oxygen	500	1,000	kg		cal storage area		Pyro-Vis II - HT visco		1,400	4,200			nemical storage a		Yes
scavenger		,,,,,	3		3 · · · · ·		control	iaiuiiess	1,000	3,000	kg	lilling ch	emical storage a	ai c a	Yes
ENVIRO-THIN filtration control additive	500	1,000	kg	Drilling chemic	cal storage area		Sodium bicarbonate hardness control	- pH and	1,000	3,000	kg	Drilling ch	emical storage a	area	No
Lime pH buffer	500	1,000	kg	Drilling chemic	cal storage area		Sodium chloride - sa	alt	54,400	163,300	kg	Drilling ch	emical storage a	area	No
BDF 677 Clay stabiliser	4,770	9,540	kg		cal storage area		W.O. defoam - defoa	amer	600	1,820	L	Drilling ch	emical storage a	area	Yes
BDF 988 Clay stabiliser	3,390	6,780	kg		cal storage area		Xan-Plex D - viscosi	ifier	3,000	9,000	kg	Drilling ch	emical storage a	area	No
SARALINE 185V- Synthetic	299,800	599,600	kg		cal storage area		TEQ-LUBE II - lubrio (25322-6-3)	cant	14,400	43,200	kg	Drilling ch	emical storage a	area	Yes
based mud NOVATEC P emulsifier for	13,110	26,220	kg	Drilling chemic	cal storage area		TEQ-LUBE II - lubric (39464-69-2)	cant	14,400	43,200	kg	Drilling ch	emical storage a	area	Yes
SBM NOVATEC S emulsifier SBM	5700	11,400	kg	Drilling chemic	cal storage area		NEW-THIN - Polymethinner	eric	4,680	14,040	kg	Drilling ch	emical storage a	area	No
So chialomer Solvi	2.55	,,,,,	-0	1 .6			LC-LUBE - lubricant (graphite)	i	9,090	27,270	kg	Drilling ch	emical storage a	area	No

Interest holder	Tamboran B	32 Pty Ltd		EMP Title		i-well Drilling, Stimulation and ploration Permit (EP) 98 & 76 nt Plan	Unique EMP ID	ORI	10-3 N	/lod#	8	Date	26 March	2025	
		Currer	nt EMP te	xt				•	Amended	EMP te	xt	•			
Calcium Chloride weighting	37,000	74,000	kg	Drilling chemi	cal storage area	MAX-GUARD EA		78,000	L	Drilling ch	area	Yes			
agent SBM						MAX-GUARD PLUS		26,000	78,000	L				Yes	
VG SUPREME clay	11,350	22,700	kg	Drilling chemi	cal storage area	MAX-GUARD PLUS	4	26,000	78,000	L	Drilling ch	emical storage a	area	Yes	
viscosifier SBM	11,550	22,700				SARALINE 185V		18,603	55,809	kg	Drilling ch	emical storage	area	Yes	
M-I BAR weighting agent	193,500	169,500	kg	Drilling chemi	cal storage area	General operation c	hemicals								
SBM	2.640	7 220	ka	Drilling shomi	cal storage area	Diesel		250	750	KL	Diesel sto	age tanks		Yes	
NOVATEC F emulsifier SBM	3,610	7,220	kg	-	cal storage area	Hydraulic oil		1,000	3,000	L	Workshop			Yes	
NOVATEC transferred emulsifier SBM	1770	1770	kg	Drilling chemi	cal storage area	Engine oil		1,000	3,000	L	Workshop			Yes	
	2 500	2 500	m ³	Drilling mud s	ıımn	Degreasers		100	300	L	Workshop			Yes	
Waste drilling fluids	2,500	2,500				Waste drilling fluids		2,500	7,500	m ³	Drilling mu			Yes	
Completion fluids	1.4	1.4	ML		ump/on-site tank	Completion fluids		1.4	4.2	ML	Drilling mu			No	
Condensate	160	320	KL	Condensate s	torage area	Condensate		10	10	KL		emical storage	area	Yes	
Diesel	250	500	KL	Diesel storage	tanks	Flowback		~10.8 ML	per well	ML	Flowback	tanks		Yes	
Hydraulic oil	1,000	3,000	L	Workshop		Proppants*		04.000	070.000		1 00 10				
Engine oil	1,000	3,000	L	Workshop		100 mesh sand		91,000	273,000	kg	1	n chemical stora	-	No	
Degreasers	100	300	L	Workshop		Quartz or organophiliophyllosilicate- proppa		1,084	3,252	L	Stimulation	n chemical stora	age area	No	
Flowback	<10	13.8	ML	Flowback tan	(S	40/70 sand	1	,650,000	4,950,000	kg				No	
						30/50 sand		610,000	1,830,000	kg	Stimulation	n chemical stora	age area	No	
						Silicon dioxide (quart: 100% Sand	z/sand)	1,757,614	14,272,842	kg	Stimulation	n chemical stora	age area	No	
						Silicon dioxide (quart: 40/70	z/sand)	5,435,28 <mark>7</mark>	16,305,860	kg	Stimulation	n chemical stora	age area	No	
						* Proppants are sand storage area, within the on the well pad, wher	he well pad bund	d. Residual	proppant from	chemical a stimulat	bunding but tion campaign	are co-located i is often used to	n the stimulat assist with c	ion chemical hemical spills	
						Cleaning chemicals		•							
						Soda ash – sodium carbonate		3,750	11,250	kg		n chemical stora		Yes	
						Flush fluid - distillates (petroleum), hydrotres		1,500	4,500	L		n chemical stora		Yes	
Appendix E Chemical Risk Assessment (revised) AECOM (2023). Beetaloo Exploration and Appraisal Program - Hydraulic Fracturing Chemical Risk Assessment. Dated June 2023. Appendix E.1 Chemical Risk Assessment - Condor EHS Support (2023). Hydraulic Stimulation Chemical Risk Assessment Tamboran Resources Northern Territory						Appendix E Chemical AECOM Australia Pty Assessment, Rev 10, p Appendix E.1 - EHS S Territory Tenements, Appendix E.2 - AECO	Appendix E Chemical Risk Assessment AECOM Australia Pty Ltd. 2024a. Beetaloo Exploration and Appraisal Program - Hydraulic Fracturing Chemical Risk Assessment, Rev 10, prepared for Tamboran Resources, 26 November 2024. Appendix E.1 - EHS Support. 2023. Hydraulic Stimulation Chemical Risk Assessment – Tamboran Resources Norther Territory Tenements, Prepared for Condor Energy, January 2024. Appendix E.2 – AECOM Australia Pty Ltd. 2024b. Beetaloo Exploration and Appraisal Program – Chemical Risk								
Tenements, dated 12 January Appendix H Erosion and Sedia		Plan				Assessment, prepared Appendix H Erosion a				ty Ltd, Se	eptenber 20	<mark>24.</mark>			
Section 7.3 new section	ment Control	riaii				Section 7.3 ESC Trigge • Action: • On establ		onse Plan	tion well pad,		•	-		•	

Interest holder	Tamboran B2 Pty Ltd	EMP Title	Beetaloo Sub-basin Multi-well Drilling, Well Testing Program Exploration Perr Environment Management Plan		Unique EMP ID	ORI10-3	Mod #	8	Date	26 March 2025
	Current E		-	Ame	ended EMP tex	t	-			
	Current E	EMP text		sedimentimpacts the even Inspection only) at a quality of the even only of the even only of the even only of the even of the	t controls, oper of rainfall and eat. on of all ESC devente well pad seculischarge indicated in the well pad seculischarge indicated in the well pad seculischarge indicated in the part of the part	ices across the wolliment basin shou ors include: other hydrocarbo ration. 3.01 5. reflective of observed. Given the large is anticipated to be defined by mode appropriate releases to the ANZEC Guernined by mode deceiving vegetation much to the area indicate the maxing indicate the maxing indicates that the ral issues.	condition have one of the treat of the treat orksite and phyld be conducted in a	rainfall phore as inwater the increasing in the existing function assessing Eucalype species has alinity with a species has a series or the existing function for the existing Eucalype species has a series and existing expecies has a series and expecies and expecies has a series and expecies has a series and expecies and expecies has a series and expecies and expecies has a series and expecies and expecies and expecies has a series and expecies and expecies has a series and expecies are a series and expecies	r quality testidischarge of discharge of discharge of ded by surfact discharge of ded by surfact discharge of the enclose as they interest of the Gum Ringation guide, Chapter 9, Fithe changing of the changi	of the erosion and on 6.0 to mitigate the sysically practicable after ing (physical parameters water offsite. Water ants and detergents. No of the levels of 5.24 observed and the lide and sediment ite in a very short period, act with the receiving soils. To over several hours after a nwater is approximately primary industries). In the line value for moderately primary industries and the melaleuca species and own to have a moderate to off of 1.6 dS/m (for a sandy of the vegetation types in the culated at 2, which when revised release criteria is