27 March 2026

Director Petroleum Operations
Department of Lands, Planning and Environment
PO Box 3675
Darwin NT 0801

Attention: Ms Sally Strohmayr

Dear Ms Strohmayr

Re: Quarter 1 2026 – Groundwater Monitoring Results – Beetaloo Basin Drilling, Stimulation and Well Testing Program Environment Management Plan – Amungee NW (ORI10-3)

In accordance with the ministerial condition of approval 5 (ii) of the *Beetaloo Sub -Basin Multi-well Drilling, Stimulation and Well Testing Program Environment Management Plan* (ORI10-3) (Beetaloo Multi-well EMP), water quality results are provided to the Department of Lands, Planning and Environment (DLPE) 2 months after collection of the Quarter 1 2026 monitoring event.

While not a requirement of the conditions of approval for the Beetaloo Multi-well EMP, statistical summaries comprising the interquartile ranges for the groundwater quality parameters identified in the Code of Practice have been provided for the Amungee NW site (Table 1). The parameters for which the 75th percentile concentration in the impact monitoring bore exceeds the 75th percentile concentration in the control monitoring bore are highlighted.

Table 1: Quarter 1 2026 Groundwater quality monitoring result reporting summary

Data required	Tamboran response
The title of the current plan the relevant approval conditions the submission of quarterly groundwater data is intended to satisfy	*Beetaloo Sub -Basin Multi-well Drilling, Stimulation and Well Testing Environment Management Plan* (ORI10-3)
Details of the relevant approval condition the notification of any groundwater monitoring results above the interquartile range is intended to satisfy	**Self-Reporting – noting:** ***Condition 5:*** *In support of clause B.4.17.2 of the Code of Practice: Onshore Petroleum Activities in the Northern Territory, the interest holder must:* *ii. provide DEPWS, via Onshoregas.DEPWS@nt.gov.au, the results of quarterly groundwater monitoring, as soon as practicable and no later than 2 months after collection, in a format determined by DEPWS.*[1].

[1] *Under the new Administration Arrangement Orders the following departmental name change has occurred - Department of Environment, Parks and Water Security (DEPWS) has been revised to Department of Lands Planning and Environment (DLPE). Email address – Onshoregas.DLPE@nt.gov.au*

Data required	Tamboran response
Information to demonstrate that the reporting has occurred within the timeframe specified in the relevant condition	Groundwater monitoring results been collected during the reporting period and are submitted to DLPE post sampling event. The monitoring frequency of the groundwater program aligns with the Ministerial Condition 5i. which requires quarterly groundwater monitoring.
Statement on whether the analytical results are within or outside of natural variability of baseline groundwater quality	The analytical results from the Amungee NW Gum Ridge impact monitoring bore (RN043018) have recorded several results outside of the interquartile range of the control monitoring bore (RN040894).
Highlighting the data that are above the respective interquartile range for the relevant groundwater parameter/s	Thirteen (13) chemical parameters measured in the impact monitoring bore were identified to exceed the 75th percentile of background concentrations (Table 2). The results of the statistical analysis, identifying the analytes that exceed the 75th percentile, is provided separately to this summary.
A summary and an analysis of causes for elevated groundwater monitoring results and actions taken to ensure that protection of groundwater is maintained	The 75th percentile exceedances observed from the impact monitoring bore are: • within the natural variability based on the hydrogeological conceptualisation of the Cambrian limestone aquifers; including likelihood of rainfall recharge entering the aquifer from the 2024/2025 and 2025/2026 wet season. • the low absolute concentrations where exceedances occur are generally within laboratory error ranges. • Results of groundwater monitoring confirm no material deterioration in groundwater quality associated with Tamboran's activities.
The outcome of the risk review undertaken as a result of the notification, including an updated assessment of the occurrence likelihood and whether this changes the risk ranking.	The absolute concentrations where exceedances occur do not materially change the groundwater quality. There is no change to the risk ranking associated with the activity.

A full compilation of water quality monitoring results across Tamboran's sites has been provided with this report.

If you require any further information, please do not hesitate to email me.

Kind Regards

[redacted]

Alana Court
Senior Approvals Manager
Tamboran B2 Pty Ltd

Table 2: Amungee NW 1 Gum Ridge Formation Bore Comparison Results, January 2026

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Table 2 Amungee NW1 Gum Ridge Formation bore comparison January 2026

Analyte	RN040894 (BET-MB019) Count Samples	EQL	EQL Units	Output Unit	RN040894 (BET-MB019) 75th percentile	RN043018 (BET-MB027) Concentration as of Last Sample Date 21/1/2026	RN040894 (BET-MB019) to RN043018 (BET-MB027) Ratio	75th Percentile Exceedance	Comment
Acenaphthene	21	1	µg/L	µg/L	<1.0	<1.0	NA	Complies	
Acenaphthylene	21	1	µg/L	µg/L	<1.0	<1.0	NA	Complies	
Alkalinity (Bicarbonate as CaCO3)	21	1	mg/L	mg/L	416	383	0.92	Complies	
Alkalinity (Carbonate as CaCO3)	21	1	mg/L	mg/L	<1	<1	NA	Complies	
Alkalinity (Hydroxide as CaCO3)	21	1	mg/L	mg/L	<1	<1	NA	Complies	
Alkalinity (Total) as CaCO3	21	1	mg/L	mg/L	416	383	0.92	Complies	
Anthracene	21	1	µg/L	µg/L	<1.0	<1.0	NA	Complies	
Arsenic	21	0.001	mg/L	mg/L	<0.001	<0.001	NA	Complies	
Barium	21	0.001	mg/L	mg/L	0.068	0.122	1.79	Exceedance	Less than historical maximum, dynamic over time.
Benzo(a)anthracene	21	1	µg/L	µg/L	<1.0	<1.0	NA	Complies	
Benzene	21	1	µg/L	µg/L	<1	<1	NA	Complies	
Benzo(a)pyrene	21	0.5	µg/L	µg/L	<0.5	<0.5	NA	Complies	
Benzo(b+j)fluoranthene	21	0.001	mg/L	mg/L	<0.0010	<0.0010	NA	Complies	
Benzo(g,h,i)perylene	21	1	µg/L	µg/L	<1.0	<1.0	NA	Complies	
Benzo(k)fluoranthene	21	1	µg/L	µg/L	<1.0	<1.0	NA	Complies	
Boron	21	0.05	mg/L	mg/L	0.170	0.19	1.12	Exceedance	Dynamic over time & less than historical maximum
C10 - C14 Fraction	21	50	µg/L	µg/L	<50	<50	NA	Complies	
C10 - C16 Fraction	21	100	µg/L	µg/L	<100	<100	NA	Complies	
C10 - C16 Fraction minus Naphthalene (F2)	21	100	µg/L	µg/L	<100	<100	NA	Complies	
C10 - C36 Fraction (Sum)	21	50	µg/L	µg/L	<50	<50	NA	Complies	
C10 - C40 Fraction (Sum)	21	100	µg/L	µg/L	<100	<100	NA	Complies	
C15 - C28 Fraction	21	100	µg/L	µg/L	<100	<100	NA	Complies	
C16 - C34 Fraction	21	100	µg/L	µg/L	<100	<100	NA	Complies	
C29 - C36 Fraction	21	50	µg/L	µg/L	<50	<50	NA	Complies	
C34 - C40 Fraction	21	100	µg/L	µg/L	<100	<100	NA	Complies	
C6 - C10 Fraction	21	20	µg/L	µg/L	<20	<20	NA	Complies	
C6 - C10 Fraction minus BTEX (F1)	21	20	µg/L	µg/L	<20	<20	NA	Complies	
C6 - C9 Fraction	21	20	µg/L	µg/L	<20	<20	NA	Complies	
Cadmium	21	0.0001	mg/L	mg/L	<0.0001	<0.0001	NA	Complies	
Calcium	21	1	mg/L	mg/L	120	92	0.77	Complies	
Chloride	21	1	mg/L	mg/L	106	146	1.38	Exceedance	Less than historical maximum, no discernible trend possible rising trend since October 2024
Chromium (III+VI)	21	0.001	mg/L	mg/L	<0.001	<0.001	NA	Complies	
Chrysene	21	1	µg/L	µg/L	<1.0	<1.0	NA	Complies	
Copper	21	0.001	mg/L	mg/L	0.0020	<0.001	NA	Complies	
Dibenz(a,h)anthracene	21	1	µg/L	µg/L	<1.0	<1.0	NA	Complies	
Dissolved Oxygen (Field)	22	0.1	mg/L	mg/L	0.86	0.26	0.30	Complies	
Electrical Conductivity (Field)	32	1	µS/cm	µS/cm	1498	1,649	1.10	Exceedance	Small exceedance. Possible rising trend since April 2023
Specific conductance (Field)	14	1	µS/cm	µS/cm	1240	1,347	1.09	Exceedance	Small exceedance.
Electrical Conductivity (Lab)	20	1	µS/cm	µS/cm	1183	1,260	1.07	Exceedance	Dynamic with no real trend - equal with historical maximums
Ethane	20	10	µg/L	µg/L	<10	<10	NA	Complies	
Ethylbenzene	21	2	µg/L	µg/L	<2	<2	NA	Complies	
Fluoranthene	21	1	µg/L	µg/L	<1.0	<1.0	NA	Complies	
Fluorene	21	1	µg/L	µg/L	<1.0	<1.0	NA	Complies	
Fluoride	21	0.1	mg/L	mg/L	0.5	0.4	0.8	Complies	
Gross alpha activity	17	0.05	Bq/L	Bq/L	0.38	0.25	0.66	complies	
Gross beta activity (excluding activity of K-40)	17	0.1	Bq/L	Bq/L	0.18	<0.10	NA	Complies	
Indeno(1,2,3-c,d)pyrene	21	1	µg/L	µg/L	<1.0	<1.0	NA	Complies	
Iron	21	0.05	mg/L	mg/L	1.38	2.05	1.49	Exceedance	Less than historical maximum and significantly less than previous value of 4.06 mg/L in July 2025
Lead	21	0.001	mg/L	mg/L	<0.001	<0.001	NA	Complies	
Lithium	20	0.001	mg/L	mg/L	0.0555	0.062	1.12	Exceedance	Dynamic with time, current value is historically highest
Magnesium	21	1	mg/L	mg/L	48	42	0.88	Complies	
Manganese	21	0.001	mg/L	mg/L	0.100	0.206	2.06	Exceedance	Broadly declining trend, and significantly lower than historical maximum
Mercury	21	0.0001	mg/L	mg/L	<0.0001	<0.0001	NA	Complies	
Methane	20	10	µg/L	mg/L	<0.01	0.014	>1.4	Exceedance	Trace level of methane detected. Dynamic but possibly stabilising trend.
Naphthalene	21	1	µg/L	µg/L	<1.0	<1.0	NA	Complies	
Nitrate (as N)	21	0.01	mg/L	mg/L	0.02	<0.01	NA	Complies	
Nitrite (as N)	21	0.01	mg/L	mg/L	<0.01	<0.01	NA	Complies	
Nitrite + Nitrate (as N)	12	0.01	mg/L	mg/L	0.03	<0.01	NA	Complies	
pH (Lab)	20	0.01	pH Unit	pH_Units	7.47	7.16	0.96	Complies	
pH (Field)	38	0.01	pH Unit	pH_Units	6.80	7.01	1.03	Exceedance	Very small exceedance, within calibration and measurement error. Possible slight rising trend since February 2025
Phenanthrene	21	1	µg/L	µg/L	<1.0	<1.0	NA	Complies	
Potassium	21	1	mg/L	mg/L	11	25	2.27	Exceedance	Dynamic but possibly declining / stabilising trend. Less than historical maximum
Propane	20	10	mg/L	mg/L	<0.01	<0.01	NA	Complies	
Pyrene	21	1	µg/L	µg/L	<1.0	<1.0	NA	Complies	
Selenium	21	0.01	mg/L	mg/L	<0.004	<0.004	NA	Complies	
Silicon as Si	19	0.05	mg/L	mg/L	14.5	13.8	0.96	Complies	
Silver	21	0.001	mg/L	mg/L	<0.001	<0.001	NA	Complies	
Sodium	21	1	mg/L	mg/L	69	62	0.90	Complies	
Strontium	21	0.001	mg/L	mg/L	0.671	0.683	1.02	Complies	Only very minor exceedance and less than historical maximum
Sulphate as SO4	19	1	mg/L	mg/L	134	119	0.89	Complies	
Sum of BTEX	21	1	µg/L	µg/L	<1	<1	NA	Complies	
Suspended Solids	21	5	mg/L	mg/L	9	10	NA		
Temperature (Field)	36	0.1	°C	°C	36.13	37.1	1.03	Exceedance	Most recent result slightly less than 1 deg C below previous measurement, and greater than earlier historical values. In contrast in situ temperatures observed by groundwater loggers show relative stability. Likely due to different purge durations
Toluene	21	2	µg/L	µg/L	<2	<2	NA	Complies	
Total Dissolved Solids	21	10	mg/L	mg/L	748	645	0.862	Complies	Variable historical concentrations with no definable trend. Less than historical maximum
Total Reportable PAH	20	0.5	µg/L	µg/L	<0.5		NA	Complies	
Xylene (m & p)	21	2	µg/L	µg/L	<2	<2	NA	Complies	
Xylene (o)	21	2	µg/L	µg/L	<2	<2	NA	Complies	
Xylene Total	21	2	µg/L	µg/L	<2	<2	NA	Complies	
Zinc	21	0.005	mg/L	mg/L	0.016	0.013	0.80	Complies	Variable historical concentrations with no definable trend. Less than historical maximum