



Quarterly Recordable Environmental Incident Report

Interest holder Name:	Sweetpea Petroleum Pty Ltd	Title holder and Business address	Sweetpea Petroleum Pty Ltd Fully owned subsidiary of Tamboran Resources Ltd 110-112 The Corso, Manly NSW 2095 ABN 28 135 299 062	Title of the Environmental management Plan for the activity	Well Drilling, Hydraulic Fracture Stimulation and Well Testing Environment Management Plan EP136 - Beetaloo Sub-basin, NT SWP4-3
Activity	Drilling	Quarter, Year	Quarter 4 (Dec), 2022	Title details (e.g Exploration License no. Production License no.)	EP136
Summary of Recordable Environmental Incident Report					
Incident date and time	All material facts and circumstances	Environmental outcome(s) and/or performance standard(s) breached or environmental impact or risk not specified in Approved EMP	Immediate action taken to avoid or mitigate any adverse environmental impacts of risk of the incident, including actions to stop or control the incident	Corrective action taken, or proposed, to prevent similar incident occurring in future	
01/10/2022	Fluid level within the Maverick 1 drilling mud sump was above the 1.3m wet season freeboard level. <ul style="list-style-type: none"> Freeboard at highest level of water in the mud sump found to be 0.7m. 	Environmental Performance Measure: SWP7.6.2 Freeboard in open-topped tanks and sump maintained.	The freeboard level was still sufficient to manage a 1:2000-year ARI 7-day rainfall event. DEPWs immediately notified.	Temporary “frac” tanks were brought onsite to reduce the volume of drilling fluids entering the sump A wastewater tank was constructed onsite to	



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	<ul style="list-style-type: none"> Freeboard levels were being collected daily by HSE Advisor - no freeboard markings were present on the sump. Additional bore water was incorrectly transferred into the mud sump in preparation for potential loss of circulation. On drilling out the 9-5/8" shoe track and cement, the losses did not occur and the sump remained full. Drilling Program guidance document clearly identified that losses were not anticipated once the Gum Ridge had been isolated. Transfer was human error/oversight. DEPWS notified September 30th of impending freeboard breach. On October the 1st, the freeboard requirements changed from dry season to wet season (1.3m), meaning fluid was above the wet season level. 	<p>Environmental Impact: No overtopping event or release occurred. With no immediate threat or impact to the environment.</p>	<p>Water from the sump was utilised within the drilling operation for drilling mud make-up to reduce sump volumes.</p> <p>An evaporation reticulation network was set up to increase evaporation.</p> <p>A camera installed to monitor sump levels.</p>	<p>reduce the volumes in the sump to below the 1.3m freeboard level.</p> <p>Freeboard levels were added to the sump.</p> <p>The Drill Well on a Page (DWOP) to be updated to include additional guidance on wastewater management- specifically freeboard requirements.</p> <p>Environmental work instruction process to be implemented to consolidate obligations to increase operational awareness.</p>
01/10/2022	<p>Low EC drilling wastewater utilised for dust suppression:</p> <ul style="list-style-type: none"> During the drilling of Maverick 1, the drilling sump was filled to accommodate predicted fluid losses the weir separating clean water from wastewater was breached - mixing the freshwater with bore water Fluid losses were not observed and the sump volume was predicted to 	<ul style="list-style-type: none"> Environmental Performance Measure: WP7.6-1 Designated wastewater storage and handling delivered in accordance with this plan. 	<ul style="list-style-type: none"> Dust suppression activities were suspended DEPWS notified 01 October 2022 Consultant engaged to conduct soil sampling 	<ul style="list-style-type: none"> Update of the DWOP and Induction material to include greater detail around wastewater management and a focus on seeking guidance to support



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	<p>exceed the wet season freeboard from 01 October 2022</p> <ul style="list-style-type: none"> • DEPWS was notified of the freeboard status on September 30 2022 • An email was sent from the Tamboran NT Operations Manager to the Field Operations team on 30 September 2022 directing them to work toward lowering the fluid level to below the freeboard level as a priority. • On October 1, water was transferred from the southern sump cell (where drilling cuttings and muds had not been stored) to the turkey's nest and taken directly from the sump for use as dust suppression at the direction of the Onsite Company Representative (OCR) • On 1 October, The Drilling and Completions Manager identified that water from the drilling sump had been used for dust suppression and immediately intervened to ensure it was not ongoing. • DEPWS was notified on October 1 2022 and an investigation initiated. • In total, up to an estimated 314,600 L (1980 bbl) of water is estimated to have been used for dust suppression (around 90% of this was taken directly from the sump 	<ul style="list-style-type: none"> • Environmental Impact: Soil sampling did not identify any change in soil quality resulting from the short term application of water from the sump. 	<ul style="list-style-type: none"> • Water from turkey nest transferred back into sump • Turkey nest decommissioned to prevent further storage/use • Investigation initiated 	<p>operational decision making.</p> <ul style="list-style-type: none"> • Implementation of an environmental work instruction process where the obligations are summarised and implementation strategy defined for future work • Implementation of a compliance management system with nominated accountabilities • Update future WWMP to include the use of low EC drilling wastewater for dust suppression.
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	<p>and around 10% was transferred to the turkey's nest where the civils contractor unknowingly used the blended sump and turkey's nest water).</p> <ul style="list-style-type: none">• Initial field reports only contained information regarding the relatively small volume of fluids taken from the turkey's nest, the internal investigation brought to light the directive by the OCR to use fluids directly from the mud sump for dust suppression.• The water was a blend of fresh bore water and drilling wastewater resulting from the drilling of the Top hole section of the well• Analysis and testing of the water samples from the southern drilling sump cell confirmed the water had a Total Dissolved Solids (TDS) of approximately 2,610 mg/L with no contaminants of concern;• Background bore water TDS was ~780mg/l• The low salinity of the sump water is consistent with the water primarily being made up of bore water and dilution with approved low toxicity drilling fluid system used to drill through the Gum Ridge Aquifer			
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	<ul style="list-style-type: none">• Fluid transferred to turkey nest likely to have had a lower EC given it was further blended with bore water• The OCR had performed field tests on the water and directed the water be utilised for dust suppression in an effort to reduce the sump freeboard to below the wet season freeboard level.• No formal change management was performed and no broader consultation with the Tamboran engineering or management team was completed.			
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