

Recordable Incidents Summary Report: Water Bore Monitoring Program – Tanumbirini South, Inacumba North and Inacumba South Environmental Management Plan (EMP) (Ref: E2018/0024-0010)

The following information has been compiled to satisfy the reporting requirements for recordable incidents under Part 3, Division 1, Regulation 35 of the Petroleum (Environment) Regulations for the Water Bore Monitoring Program – Tanumbirini South, Inacumba North and Inacumba South Environmental Management Plan (EMP) (Ref: E2018/0024-0010). This is the first reporting period post approval of the EMP, and covers the period **12 December 2018 to 12 March 2019**.

SUMMARY OF RECORDABLE INCIDENTS UNDER SECTION 35 PETROLEUM (ENVIRONMENT) REGULATIONS							
QUARTERLY REPORTING FOR PERIOD 12/12/2018 TO 12/03/2019							
ENVIRONMENT MANAGEMENT PLAN – Water Bore Monitoring Program – Tanumbirini South, Inacumba North and Inacumba South (E2018/0024-0010)							
Incident Date (dd/mm/yy)	Area / Location	Incident Summary	Actual Consequence (From Risk Assessment) ¹	Corrective Actions	Relevant Environment Performance Standard	Effect on Relevant Environmental Outcome	Other Regulator Notification
17/12/18	Inacumba North Lease Pad	<p>The drilling of the groundwater bore RN040931, specifically the failure to isolate the Gum Ridge Formation and the Bukulara Sandstone in that bore. This connectivity is potentially inconsistent with the Minimum Construction Requirements for Water Bores in Australia (3rd edition).</p> <p>There was no discernible flow or permeability in the Bukulara Sandstone, and so no cross-flow or contamination of either aquifer is evident. Analysis of groundwater sampled from the bore demonstrates water quality that is consistent with groundwater sampled from other bores that target only the Gum Ridge Formation.</p>	None – No impact to the aquifer	<p>Cut weld rings between 12" and 8" production casing, and pull up the first 18m of casing.</p> <p>Cut and suspend 8" casing from 12" casing</p> <p>Plug up the base of the hole using cement-bentonite grout (to <104m depth).</p> <p>Airlift bore until clean and take water sample for analysis.</p> <p>Future bores to be drilled to isolate the Gum Ridge Formation and the Bukulara Sandstone</p>	Water bore drilling will be conducted in accordance with the Minimum Construction Requirements for Water Bores in Australia (3rd edition)	Nil – There is no impact on groundwater quality or quantity as a result of the incident	DENR have been notified. Process for remediation of the bore was instructed on the water licence.