

SECTION 14 INCIDENT REPORT (*Waste Management and Pollution Control Act*)

Date and Time of Notification:	S14 Notification: 22 November 2022 Email Notification (waste.ntepa@nt.gov.au): 21 November 2022 13:52 pm
Person / Company:	Lithium Developments (Grants) NT Pty Ltd
Incident:	Passive release of stormwater from Sediment Basin 2 spillway containing elevated levels of suspended particulates.
(a) the incident causing or threatening to cause pollution	Between 18 November 2022 and 21 November 2022, the Lithium Developments (LD) site received a total of 107 mm over two rain events. The combined rainfall volume exceeded the 85th percentile 5-day duration rainfall event (55 mm) for adopted 'Type D' sediment basins onsite. The design and operation of 'Type D' sediment basins is such that rainfall greater than 55 mm will result in the passive release of water through the designated spillway. This is in accordance with the IECA (2008) standard. The combined rain event of 107 mm resulted in the ongoing passive discharge of water through the spillway of Sediment Basin 2 (SB2) from approximately 10:30pm 20 November 2022.
(b) the place where the incident occurred	Finnis Lithium Project (Grants Mine) Location Co-ordinates: 6922961.217, 8600106.483
(c) the date and time of the incident	20 November 2022. Approximately 10:25 pm
(d) how the pollution has occurred, is occurring or may occur	Due to the significant volume and frequency of rain events, SB2 was unable to be dosed with flocculant nor was there suitable residence time for effective treatment in accordance with IECA (2008) standard. Water quality sampling undertaken the morning of 21 November 2022 indicated water quality (turbidity) was in excess of site-specific trigger values at downstream monitoring locations GDS SW2 and GDS SW5.

(e) the attempts made to prevent, reduce, control, rectify or clean up the pollution or resultant environmental harm caused or threatening to be caused by the incident	Emergency and Remedial Action Taken: 1. Commenced dosing of SB2 as soon as practicable with flocculant. 2. Prioritised completion of dewatering infrastructure at SB2 to allow management of sediment basin in accordance with IECA (2008) standard. 3. Mobilised standby trailer mounted pumps from Darwin to actively dewater treated sediment basin water. 4. Commenced remedial actions across site to address sediment and erosion control issues in identified source areas. Immediate Action Taken: 5. Sediment Basin 2 (SB2) was inspected, and water quality field parameters were collected from the basin and downstream monitoring locations. 6. Installation of SB2 dewatering infrastructure was prioritised and commenced 21 November 2022 with scheduled completion by 22 November 2022. 7. Dosing infrastructure was commissioned, and dosing commenced of SB2 on 21 November 2022. Gypsum flocculant applied using a dedicated spray trailer. 8. A directive was issued to mining and civil contractors that prior to dewatering work areas, temporary sumps and ponded water are to be treated with flocculant and approval sought from the HSE team prior to dewatering non-mine affected water into the drainage network. Current Situation: 1. Passive discharge has decreased significantly 2. Dosing of SB2 ongoing.
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	3. Installation of dewatering infrastructure at SB2 to be completed 22 November 2022.
(f) the identity of the person notifying the NT EPA	Tim Gunns Superintendent Environment