

THE STAR ENTERTAINMENT GROUP

Modification 14 Planning Submission

MECHANICAL RESPONSES TO DPI COMMENTS

PUBLIC

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The Star Entertainment Group

Public

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AUTHOR, REVIEWER AND APPROVER DETAILS

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Our ref: 2303044B-170214-JV-DPI RESPONSES

By email
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13 February 2017

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Dear Clare

**Modification 14 Planning Submission
Mechanical Responses to DPI Comments**

In response to the Modification 14 Planning Submission comments provided by the DPI, please find this addendum report.

Yours sincerely

John Verrell

cc: The Star Entertainment Group - Scott Harrison
WSP Asia Pacific - Tinoulla Philippou
WSP Asia Pacific - Ben Dedman

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1 WSP RESPONSES TO DPI COMMENTS

We wish to advise the following clarification of impacts on ground water by the WSP | Parsons Brinckerhoff Mechanical and Fire Protection disciplines in the Modification 14 works as follows:

DPI Comment	Response
The SEAR's require the project to assess the impacts on groundwater hydrology and quality. The Environmental Assessment indicates this is addressed in section 8.10 and Appendix M but the impact on groundwater is not specifically mentioned in either section 8.10 (see pages 56-57) or Appendix M. The proponent should address this.	There is no expected effect on ground water quality or quantities from the Mechanical and Fire Protection works involved in the Modification projects. The geotechnical assessment report titled "Geotechnical Assessment Proposed Modification 14 Works" report ref. 28777LA2let dated 17th February 2017, indicates through core rock samples, that the existing groundwater level is approximately 3m below the intended work zone in Basement B4. This is further confirmed by the fact that the 2.5m deep excavation that is adjacent to the intended work, is currently dry. The intended work will be minor levelling of surface prior to the laying of a concrete slab with no major excavation. Minor excavation will be required for the new water and sewer connections.
The proponent should confirm that none of the following apply to the proposal: Tunnelling or excavations associated with the installation of the systems;	With respect to the Mechanical and Fire Protection components of the Modification 14 works, there will be no tunnelling or excavation in this project. There will be minor levelling works of earth in the undercroft area of B4 prior to a new concrete slab being installed.
Potential contamination of groundwater by the system	Any works on B4 are well above the recorded ground water levels and would therefore pose no danger of contamination.
Any suggestion of re-injection of water or wastes into aquifers;	There is no intention in the project to return water or waste to the ground water aquifer in the area.
Any proposed extraction or augmentation of the systems from aquifers that is in broad terms – any aquifer interface (See Appendix O)	There will be no use of ground water within the project.