

APPENDIX J

DWER APPROVAL TO DWMS



Your ref: 153905_RevC
Our ref: RF741-19, REPORT16/378, PA7712
Enquiries: Natalie Leach 9144 2000

Nimal Gamage
Senior Hydrologist and Civil Engineer
GHD
GHD House
999 Hay Street
Perth WA 6000

Dear Mr Gamage,

**MINOR AMENDMENT TO BOODARIE STRATEGIC INDUSTRIAL AREA DWMS
ADDENDUM REPORT**

Thank you for referral of the *Boodarie Strategic Industrial Area District Water Management Strategy (DWMS)* received by the Department of Water on 10 May 2016. The Department has reviewed the DWMS Addendum and provides the following comments and conditional approval.

The Department is unable to assess whether the proposal will affect flood extents and flood levels peripheral to the development - as no post-development modeling information has been provided within the addendum document.

Post-development modeling is important to determine the appropriate 1% Annual exceedance probability (AEP) flood levels within the area, and to ensure the proposed development does not detrimentally affect the existing 1% AEP flooding regime.

Flow paths should be shown within the identified drainage and road reserves to ensure they are not obstructed by development (i.e. filling, building, fencing, etc.) and that the impact on individual lots is limited. As the existing floodplain covers approximately half of the area, this may require a relatively significant area set aside for drainage and will require suitably detailed modeling to be undertaken at the next stage of development.

Considering the above, the department provides conditional approval of the DWMS, with the following conditions:

- The subsequent water management report/document to support the next stage of planning (e.g. Local Water Management Strategy (LWMS) or Urban Water Management Plan (UWMP)) should include appropriate flood modeling for both pre and post-development scenarios; and
- The proponent should confirm that the drainage corridor provided is sufficient to safely convey flood flows up to the post development 1%AEP event. If future (detailed) modeling suggests that wider/additional corridors are required, the proponent should commit to this, as determined through the detailed modeling.

If you wish to discuss the matter further please contact Natalie at the Department of Water, on telephone (08) 6364 6574.

Yours sincerely



Natalie Leach
Program Manager – Land Use Planning /Approvals
Department of Water - Pilbara District

14 June 2016