

Jenny (on behalf of Darryl)

From: Brett McCulloch <Brett.McCulloch@water.nsw.gov.au>
Sent: Thursday, 1 December 2011 3:30 PM
To: Jenny (on behalf of Darryl)
Cc: Jodie Dabovic; Mark Mignanelli
Subject: Re: FW: Major Project Application No. 09_0166 - Altitude Aspire Fraser Drive Terranora

Dear Darryl,

As discussed at our meeting on-site the NSW Office of Water endorses the proposed conditions as stated below and recommends the following slight adjustments to be included in the revised Statement of Conditions:

1. The applicant to prepare a Surface Water Management Plan in consultation with and to the satisfaction of the NSW Office of Water prior to the commencement of works.
2. The applicant to prepare a Groundwater Management Plan in consultation with and to the satisfaction of the NSW Office of Water prior to commencement of works.
3. The applicant to obtain the relevant licences to the satisfaction of the NSW Office of Water under the *Water Act 1912* and the *Water Management Act 2000* (whichever is relevant at the time application is made) for all activities that intercept or extract groundwater and surface water prior to commencement of these activities.
4. A site specific Acid Sulfate Soil Management Plan should be produced in accordance with the ASSMAC guidelines including investigations to a total depth of one metre past the base of the deepest excavation within the identified potential acid sulfate soil area (assumed to be the stormwater quality treatment device).

The documents to be prepared in conditions 1 and 2 above will include where relevant the following:

1. Detailed groundwater assessment to include but not limited to the following:

- o Groundwater levels and flow direction within the development area and adjacent SEPP 14 wetlands;
- o Extent surface-groundwater connectivity within the drainage lines;
- o Degree of groundwater dependency of the SEPP 14 wetlands and the potential impacts of any changes to flow direction, quantity and quality of groundwater to the wetlands and Terranora Creek; and
- o Development of trigger levels for impacts of changes in groundwater quantity and quality.

2. A detailed surface water assessment for the adjacent SEPP 14 wetland and Terranora Creek to provide baseline data for determining trigger levels for changes in water quantity and quality.

Furthermore, the applicant must adhere to the Core Riparian Zone widths on both sides of watercourses and the additional vegetated buffers to allow for edge effects detailed in the NSW Office of Water's *Guidelines for Controlled Activities (2010/2011)*. Please ensure that all existing monitoring bores are licensed accordingly and for all licensing matters for the proposal please contact the Licensing Branch of the NSW Office of Water at the Murwillumbah office (02) 6676 7380.

If you require further information you can contact me on (02) 6676 7381.

Yours Sincerely
Brett McCulloch

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>>> "Jenny (on behalf of Darryl)" jenny@daconsulting.com.au 12/1/2011 12:52 pm >>

Brett

Further to the NOW letter dated 16 May 2011 (attached) and our onsite meeting today, I confirm that Newland Developers Pty Ltd would be prepared to include the following conditions in the revised Statement of Commitments to accompany the Preferred Project Report. The conditions address the recommended conditions in the above referenced letter and are generally as discussed. Could you please confirm that the proposed conditions resolve NOW issues?

- 1) A Site Specific Acid Sulfate Soil Management Plan should be produced in accordance with the ASSMAC guidelines including investigations to a total depth of one meter past the base of the deepest excavation within the identified potential acid sulfate soil area (assumed to be the stormwater quality treatment device). The Management Plan shall be approved by the Principal Certifying Authority prior to the issue of a Construction Certificate.
- 2) A Surface and Groundwater Management Plan to be developed to monitor for any potential impacts to surface and groundwater sources (including the SEPP 14 wetland) of the development and the stormwater quality treatment device. The Management Plan shall address the following issues:
 - a. Groundwater levels and flow direction within the development area and adjacent SEPP 14 wetlands.
 - b. Extent surface-groundwater connectivity within the drainage lines (indicated as groundwater seeps in the Geotechnical Report).
 - c. Degree of groundwater dependency of the SEPP 14 wetlands and potential impacts of any changes to flow direction, quantity and quality of groundwater to the wetlands and Terranora Creek.
 - d. Development of trigger levels for impacts of changes in groundwater quantity and quality.

The Management Plan shall be approved by the Principal Certifying Authority prior to the issue of a Construction Certificate.

- 3) All necessary approvals under the Water Management Act 2000 shall be obtained prior to commencing construction work.

Please phone and discuss should you have any queries.

Regards

Darryl Anderson
Director



Our Office Will Be Closed Over The Christmas Period From
Thursday 22 December 2011 Until Monday 9 January 2012



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