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2 September 2010

Ref: 2010-771

NSW Department of Planning
GPO Box 39
SYDNEY NSW 2001

Attn : Christine Chapman

Dear Christine,

RE: PART 3A ENVIRONMENTAL ASSESMENT ADVICE - PROPOSED EXPANSION OF THE EXISTING TILE MANUFACTURING FACILITY AT 175 RACECOURSE ROAD RUTHERFORD

As requested, Hunter Water has reviewed the environmental assessment for the expansion of the existing Tile Manufacturing Facility in Rutherford. The report outlines water consumption estimates as well as indicating the nature and extent of wastewater discharge as follows:

4.9.4 Water

- Based on actual water consumption stages 1 – 4 when complete will use 1772 kL/week (253kL/day) and stages 1 – 8 would use 3544 kL/week if approved.
- Investigations are ongoing into rain and storm water use. These would at a minimum supplement existing water usage.

4.9.5 Sewage System

- Existing sewage discharge is related to staff amenities. There would be no trade waste or process water discharge from the proposed facility.

However no accurate information on timing for the proposed development was supplied due to the demand driven nature of the development. Therefore, Hunter Water can only provide general comments at this stage.

Summary: Part 3A – Expansion Proposal

- *Water Supply* – There are current capacity limitation within this system to service this development. However, Hunter Water's forward capital program will provide capacity when completed in 2011/12
- *Wastewater Transportation* – There are capacity limitations in the wastewater system however this not likely to be an issue

WATER DELIVERY

It was assumed for this investigation that the expanded facility would utilise the existing water connection at the site. This was assumed to be the DN150 watermain in Racecourse Road which is within the Buttai Res Water Supply System. The following advice is offered based the current water supply computer model as well as the estimates provided in the environmental assessment. Based on the figures provided in the report the ultimate demand from the facility will be 647 ET, while the current computer model for the Buttai Res System has a current demand of 192 ET.

The supply capacity to the Rutherford Industrial Estate area is adequate to cater for significant further development within the estate. This is via the DN500 trunk main and reticulations mains to a minimum of DN150. In particular there is sufficient capacity for the ultimate demand from this development. However there are low pressure issues in the surrounding area that further demands in Rutherford will impact on. The Hunter Water forward capital program has identified works to construct a new reservoir at Windella that will provide capacity in Rutherford and the low pressure areas into the future. The Windella Reservoir will allow this development to be serviced while not compromising pressure available at other locations and is currently scheduled to be completed in 2011/12. There may be capacity available for an additional production line to commence operation in the interim period before this work is completed. This will be determined when a Section 50 application is lodged, and will take into consideration other developments in the area and how this is impacting on the existing low pressure areas.

The report briefly outlines investigations into alternative water supply options. Alternative water sources can pose a contamination risk to Hunter Waters supply network if the appropriate backflow prevention measures are not in place. Planning has no objection to the use of alternative water supply options, provided the appropriate backflow prevention measures are in place. Details of Hunter Water's backflow prevention requirements can be obtained from the Treatment Operations group.

WASTEWATER TRANSPORTATION

The proposed development is located within the Farley WWTW catchment and the Maitland 14 WWPS catchment. The Maitland 14 WWPS is theoretically overloaded. It was assumed based on the report that the only additional wastewater discharge would be generated by additional staff required to operate the facility. Based on this assumption there should be no issues in regard to wastewater transportation and treatment however this will be confirmed upon application for Section 50.

The report also states that there is no current trade waste or process water discharged to the wastewater system, Planning has confirmed with the Treatment Operations group that there is currently no Trade Waste agreement for the existing facility.

Hunter Water has no objections to the proposed development application; however the developer should continue to liaise with Hunter Water regarding the development..

If you have any enquiries, please do not hesitate to contact Stephen Glynn on 4979 9525.

Regards,



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