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 Officer: John Hyde  
 Our Ref.: 2010/09605F

22 April 2010

Northrop Consulting Engineers P/L  
 PO Box H171  
 Australia Square NSW 1215

Attention: Mr Will Platts

Dear Sir,

**Stormwater Discharge  
 24 Muir Road, Chullora**

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With reference to your request regarding the requirements for stormwater discharge from 24 Muir Road, Chullora.

**The requirements are to apply for a year from the date of this letter** after which the requirements will be updated on reapplication.

1. An application fee of \$368.80 is payable to Sydney Water. If the payment is to be made after 30 June 2010 then you are required to contact Sydney Water for the revised application fee.
2. Water Quality Requirements

An appropriate water quality treatment device is to be incorporated prior to the connection to ensure the proposed development meet contemporary water quality discharge requirements. As a minimum, the 1997 NSW Environment Protection Authority guidelines should apply.

Pollutant	Requirement
Suspended Solids	80% reduction of the average annual load
Total Phosphorous	45% reduction of the average annual load
Total Nitrogen	45% reduction of the average annual load
Litter	Retention of litter greater than 50mm for flows up to 25% of the 1 year ARI peak flow
Coarse Sediment	Retention of sediment coarser than 0.125mm for flows up to 25% of the 1 year ARI peak flows
Oils and Grease	In areas with concentrated hydrocarbon deposition, no visible oils for flows up to 25% of the 1 year ARI peak flow

NSW EPA – Managing Urban Stormwater – Council Handbook 1997

### 3. Point of Connection

You will not be permitted to discharge stormwater directly to the Wet Land, which is located adjacent to your property. Please note that the Wet Land is located away from the main stormwater channel and currently functioning as a water quality treatment device for low flow situations.

The stormwater lines are to be designed such a way that connection is to be made to the upstream of the Sydney Water's Gross Pollutant Trap. For this arrangement the stormwater pipes are to be laid across the Sydney Water land. An appropriate easement needs to be created for the proposed stormwater lines across the Sydney Water land.

### 4. On Site Detention

On-Site Detention of stormwater will be required for stormwater discharge from this property. A maximum permitted site discharge (P.S.D.) of 851 litres/sec and a minimum on-site storage of 1,454 cubic meters is required for storage of the excess flow from a 100 year A.R.I. design storm (Total Site Area 44,635 square meter).

If you have any queries please do not hesitate to contact me on the above number.

Yours sincerely

  
for John Hyde

