Form B6

3b. What is the maximum volume of effluent you will discharge in a day:

750m3 consists of 700m3/day of treated effluent (it is the peak design flowrate of the treated effluent plant) and 50m3/day allowance for the foul effluent from the factory.

750m3 per day volumetric discharge will only be reached in exceptional emergency circumstances, should the factory not be able to accept the treated reuse water. This has not occurred since the operation of the treatment plant commenced, but should be considered as a risk.

3c. What is the maximum rate of discharge:

The flow is balanced over 24hr in the treatment plant and in the foul effluent plant (Klargester) therefore, the maximum the rate of discharge = 750/24/60/60 = 8.68l/s. This is based on peak Ultrafiltration (UF) permeate flow in the event of direct discharge for a short period (*i.e.* worst case maximum possible flow), however, effluent would not be discharged at this flow rate because it would be buffered even in an emergency.

3d. What is the maximum volume of non-rainfall dependent effluent you will discharge in a day:

All the rainfall from the effluent treatment plant area is sent back to the front of the effluent treatment plant and is included in the peak value of 700m3/day.