

CYNDAN

PRODUCT UPDATE

Flocculant Dosage Rates CPU 22 28th January 2004

We recently discussed Flocculant in some TOTMY meetings. This has brought about some "Sales People's" interest and some orders for this reason I thought the following would be helpful.

Flocculant is unique in its position in the product range for a number of reasons.

1. Not many of our everyday competitors have something like it. Therefore it sets us apart.
2. Its application rates are completely site specific, meaning every application dosage will be different. Dosage is entirely dependant on the type of fouling in the water and the water itself.
3. It cannot be automatically dosed. Once the dose rate is determined, it is dosed manually. Overdosing is always the reason for non performance. Therefore to auto dose means you will get too much (eventually) in the water and the product will not work.

Dosage Rates

To determine dosage rates is simply trial and error.

For any given application take a sample of the water, (about 5 – 10Ltrs) NOT small amounts, like 100ml, as the dosage is too small to administer.

Using a syringe add Flocculant at increments of 1ml, stir and gauge the reaction. Stirring is essential.

Once you have established for instance, that 5mls of Flocculant will floc 10Ltrs of water, you can then calculate the dosage for the body of water to be treated.

e.g. 5mls Flocculant to 10Ltrs water = 0.0005%

TOTAL WATER REQUIRING TREATMENT 5 Million Litres

$5,000,000 \times 0.0005\% = 25 \text{ Litres}$

The application must be made where the water is or can be highly agitated or stirred.

Often in a large area (e.g. dam) a small boat with a out board motor is used to agitate. Otherwise a recirculating pump which has been installed for the purpose is required.

The area where water enters a holding area is also a good area to apply flocculant as the water will be agitated.

Hope this helps