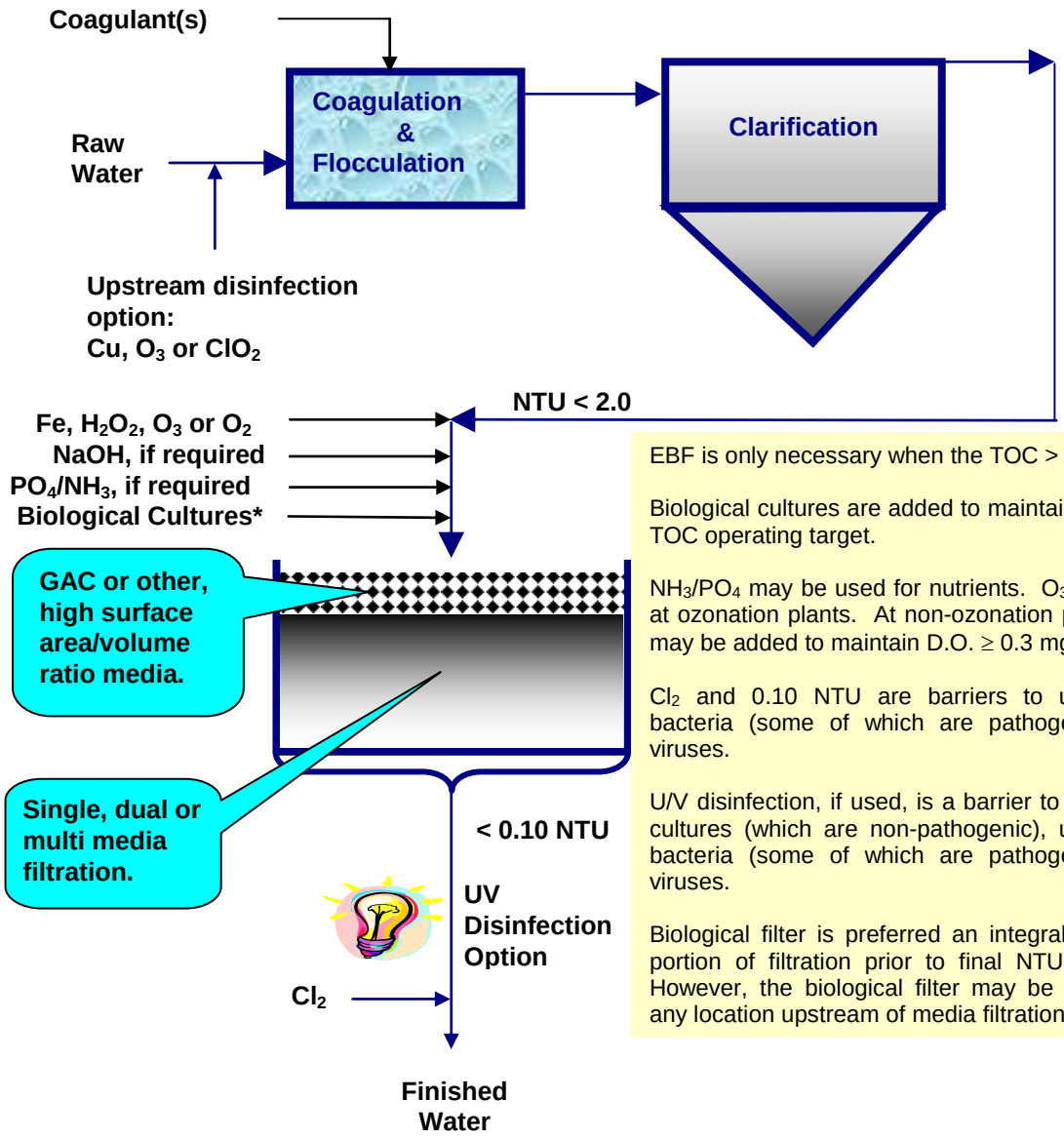
Enhanced Biological Filtration

A novel, efficacious and efficient means of DBP Control.



EBF is only necessary when the TOC > 2.0 mg/L.

Biological cultures are added to maintain the final TOC operating target.

NH_3/PO_4 may be used for nutrients. O_3 is added at ozonation plants. At non-ozonation plants, O_2 may be added to maintain D.O. $\geq$ 0.3 mg/L.

Cl_2 and 0.10 NTU are barriers to ubiquitous bacteria (some of which are pathogenic) and viruses.

U/V disinfection, if used, is a barrier to biological cultures (which are non-pathogenic), ubiquitous bacteria (some of which are pathogenic) and viruses.

Biological filter is preferred an integral and first portion of filtration prior to final NTU filtration. However, the biological filter may be placed at any location upstream of media filtration.