

SIMULTANEOUS USE OF WATER SOLUBLE POLYMERS
WITH OZONE IN COOLING WATER SYSTEMS

ABSTRACT

Certain water soluble polymers in the presence of
5 ozone are acceptable for scale control, corrosion control,
microbiological control and the like because the
effectiveness of these polymers is not substantially
negated by ozone. The preferred polymers are homopolymers
and copolymers containing at least 50 mole percent of
10 acrylic acid or methacrylic acid or mixtures thereof.
Certain other monomers may be used with the acrylic acid
and methacrylic acid monomers, and still function as scale
inhibitors and corrosion inhibitors in the presence of
ozone in industrial waters. The industrial waters are
15 particularly recirculating cooling waters.