

transfer surfaces; (b) development of improved and combined distillation processes; (c) scale-up of processes and components to large size; (d) development of alternative heat exchange materials; and (e) development of large evaporator vessels.

(2) Membrane Processes:

Some of the problems which seem to emerge in the membrane process area are (a) development of improved membranes; (b) improved process efficiency; and (c) improved plant operations technology.

(3) Pretreatment of Feedwater, Post-Treatment and Disposal of Brine:

(a) Improved pretreatment to prevent scale formation and fouling; (b) post-treatment to remove undesirable constituents in brine; (c) improved by-product recovery processes; and (d) improved brine disposal methods for both inland and coastal areas.

(4) Integration of Desalting with Water Supply and Reuse Systems:

Research and development on the coupling of desalting systems to water supply, waste treatment and wastewater renovation systems should be a major part of future R&D effort by OSW and