**Sewage thickening by FO–NF using MSG as a Draw Agent**

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**Abstract**

FO-NF process for sewage thickening was suggested using Monosodium glutamate (MSG) as a draw solute (DS). Water flux, (*J*w), and reverse draw solute flux, (*J*s), through FO membrane were evaluated with MSG (0.1 - 3 M). The *J*s/*J*w for MSG was 0.0015mol/L with 1M of initial concentration, which was ca. 6 % of that for NaCl while the water flux (*J*w) for MSG (ca. 10 L/m2h) was comparable to that for NaCl in FO processes. The collected primary effluent from the full-scale wastewater treatment plant (TCOD: 271mg/L) was thickened up to nine times in terms of volumetric concentration factor. The recovery of MSG by NF process was 97-98%.