

# Texas Water Development Board

The logo for the Texas Water Development Board features the text "Texas Water" in a blue, sans-serif font, with "Development Board" in a larger, bold, black, sans-serif font below it. To the right of the text is a stylized graphic of three blue, curved lines representing water waves or a fan.

**Project and City Name:** Reverse Osmosis Membrane Replacement – City of Hubbard

**Drinking Water State Revolving Fund administering agency:** Texas Water Development Board

**Funded in whole or in part by Drinking Water State Revolving Fund:** Funded by Drinking Water State Revolving Fund

**Brief description of project:** Removal, disposal and replacement of forty-eight (48) existing reverse osmosis membrane modules with new membrane modules. New modules are 8-inch diameter, 400 square feet spiral wound elements with a total permeate flow rate of 10,000 gallons per day and feed flow rate of 75 gallons per minute. Models to be Hydranautics Nitto ESPA2-LD or equal;

Removal, disposal and replacement of eight (8) existing reverse osmosis membrane vessels with new membrane vessels having 8-inch nominal diameters and a maximum design pressure of 450 psi. New vessels to be Pentair Codeline 80S45 or equal; and

Various piping, valves, fittings and appurtenances.