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IDE Selects San Diego County-Based Protec Arisawa to Provide Membrane Pressure Vessels and Dow Water & Process Solutions to Provide Reverse Osmosis Membrane Technology for Carlsbad Desalination Project

Carlsbad, CA (October 6, 2014) – Poseidon Water (“Poseidon”) has announced that IDE Technologies (“IDE”) has selected Protec Arisawa (“Protec”) and Dow Water & Process Solutions (“Dow”) to provide the pressure vessels and reverse osmosis membranes for the Carlsbad Desalination Project. Both key elements of the desalination process, the membranes act as the filter that separates salt and other impurities from water molecules to create clean and fresh drinking water, and the pressure vessels house these membranes.

Poseidon’s contractor and plant operator, IDE Technologies, has extensive experience developing, engineering and operating advanced desalination facilities. Currently there are about 400 IDE designed systems operating in 40 countries with a total capacity of about 528 million gallons per day, including 4 of the world’s largest plants in Israel.

Protec is considered a global leader for the design and manufacturing of FRP (Fiber Reinforced Plastic) pressure vessels for membrane filtration systems. Protec’s standard for safety and quality, the unique design of their FRP pressure vessels will provide the Carlsbad Desalination Plant with a long-lasting and energy efficient product that is critical to the desalination process.

The Dow membranes will work hand in glove with the pressure vessels recently manufactured by Protec. Currently, Dow’s reverse osmosis products are being used at desalination facilities worldwide in countries such as Australia, Israel and Saudi Arabia, as well as in Tampa Bay, Florida.

“Protec and Dow are recognized world leaders in reverse osmosis technology,” said Poseidon Vice President Peter MacLaggan. “We are pleased to partner with such reputable innovators in the industry to provide this critical technology for the Carlsbad Desalination Project.”

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Poseidon Water has made an effort to involve as many local companies in the Carlsbad Desalination Project as possible, and the selection of the City of Vista based Protec continues that commitment. During the three-year construction process, the desalination project is supporting an estimated 2,500 local jobs and infusing \$350 million into the local economy.

The historic Carlsbad Desalination Project will bring the largest, most technologically advanced and energy-efficient seawater desalination plant in the Western Hemisphere to San Diego County. The Project is scheduled to be completed and operational late 2015, at which time the plant will provide water for nearly 112,000 San Diego County households.

About the Carlsbad Desalination Project

This \$1 billion capital investment is a result of a 30-year water agreement between the San Diego County Water Authority and Poseidon Water for the purchase of 50 million gallons per day of desalinated seawater. The Carlsbad Desalination Project is infusing \$350 million in the local economy and supporting an estimated 2,500 jobs in the desalination, engineering, construction and other services industries. The desalination plant and 10-mile pipeline are scheduled to be complete and operational late 2015.

For more information on the Carlsbad Desalination Project, visit the project website at www.carlsbaddesal.com.

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