

Cassique Golf Course, Kiawah Island, SC

Owner:	Kiawah Island Resort Associates
Engineer:	Thomas and Hutton Engineering Co.
Application:	Irrigation
Startup:	July 2001
Capacity:	0.5 MGD
Array:	8:4, 7-element vessels
Membrane:	Koch XR/HR
Operating Data:	Feedwater TDS: 2160 mg/l Permeate TDS: 35 mg/l RO Feed Pressure: 208 psi Recovery: 75%



Kiawah Island Resort Associates commissioned Harn R/O Systems, Inc. to provide a 500,000 gallon per day reverse osmosis water treatment system to improve the quality of their irrigation water for ornamental landscape and golf course irrigation. The low salinity permeate from the reverse osmosis system is blended in an on-site pond with native ground and surface water and re-pumped into the irrigation system.

Harn R/O Systems, Inc. is a full service membrane water treatment system company with installations all over the United States. Harn R/O Systems is the oldest privately-owned company in the membrane treatment industry. All of Harn R/O's systems are custom-designed, tailored to the Owner's specific needs and designed for long life, energy savings, reliability and low operation and maintenance costs. Harn R/O is a licensed general contracting firm with a full engineering staff and can provide turn-key facilities and service and support for the life of the plant.

References:

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