Richard A. Reynolds Desalination Facility Expansion Project – IRWM Prop 84 Round 3
Project Number 84-3-1-80021

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About Us

• Safe, reliable water since 1977
• 32 square mile service area
• Approx. 190,000 customers
• 2 dams, 2 reservoirs, 20 storage tanks, 17 pump stations
• Surface water treatment, groundwater desalination, freshwater wells and imported water
Richard A. Reynolds Desalination Facility

• Initial Facility
  - 3,600 acre-feet per year (AFY)
  - Six production wells (brackish groundwater)
  - Online December 1999

• Expansion
  - 5,200 AFY (total 8,800 AFY)
  - SWA and City of SD share 5,200 AFY equally
  - Five new production wells (brackish groundwater)
  - 23,000 feet of well conveyance, potable water, and brine discharge pipelines
  - $42 million cost; 75% grant funding from California and Federal Sources ($5 million from Prop 84 through IRWM)
  - 2,950 ground-mounted solar photovoltaic panels
Construction of 18-inch Well Conveyance Pipeline in Second Ave.
HDD Construction of 12-inch Well Conveyance Pipeline in Fourth Ave.

Horizontal Directional Drilling (HDD) Machine
Sweetwater River – Crossed Twice with HDD

Installation of 14-inch Stainless Steel Casing and Screen at SDF Well No. 8
SDF Well No. 11 (Library Site) After Construction

Inside Desal Facility - Getting Ready for Phase 2 Work
New Iron/Manganese Treatment System, Decant Tank, and Refined Chlorine Contact Tank

Questions?
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