


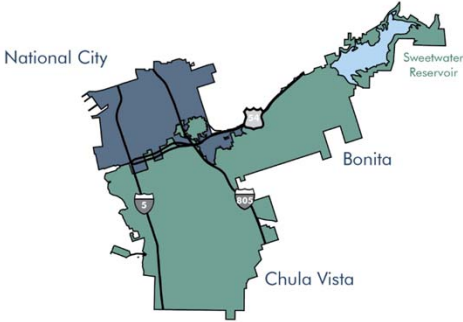
August 1, 2018

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

Ron R. Mosher, Director of Engineering

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



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Board of Directors

Ron Morrison
National City
2014-2018

Jess Van Deventer
National City
2014-2018

Steve Castaneda
SBID Div. 1
2014-2018

José Cerda
SBID Div. 2
2016-2020

Josie Calderon-Scott
SBID Div. 5
2016-2020

Terry Thomas
SBID Div. 4
2014-2018

Jose Preciado
SBID Div. 3
2016-2020

City of National City
Scotts Day Irrigation District
Division 1
Division 2
Division 3
Division 4
Division 5

0.5 0 0.5 1 Miles

Watershed & Facilities

Loveland Reservoir

Sweetwater Reservoir

Perdue Water Treatment Plant

Reynolds Groundwater Desal Facility

National City Wells

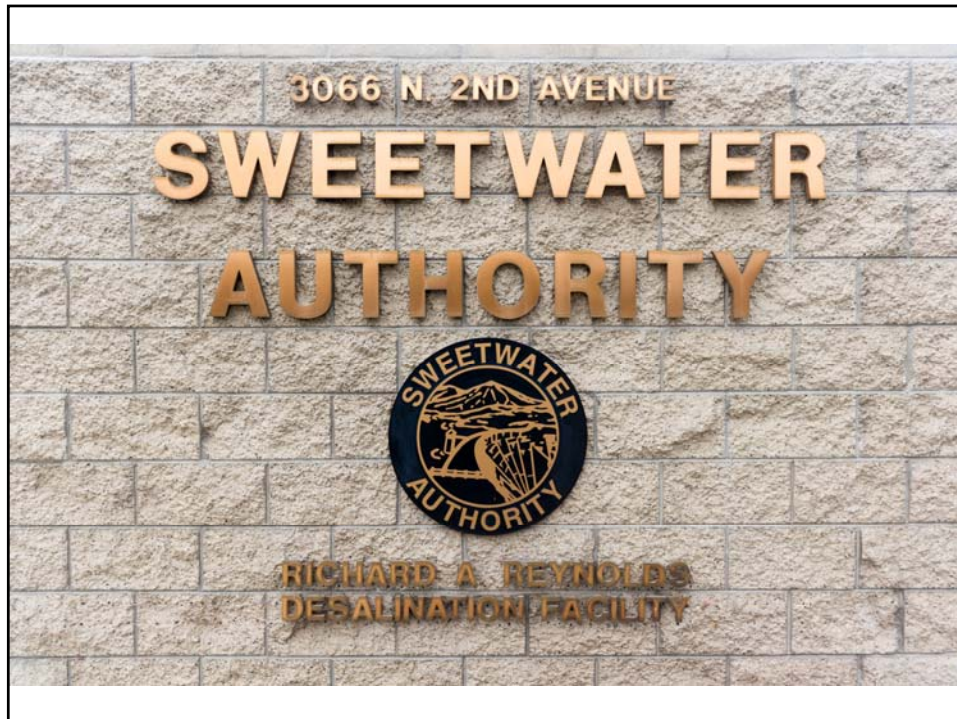
Alpine

Spring Valley

Bonita

National City

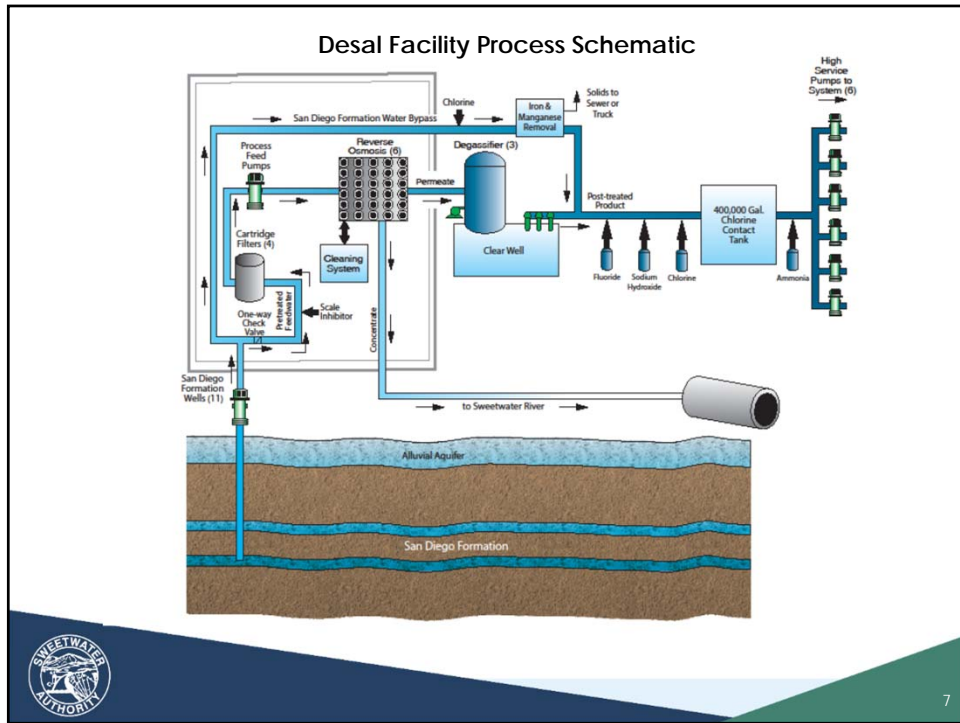
Chula Vista

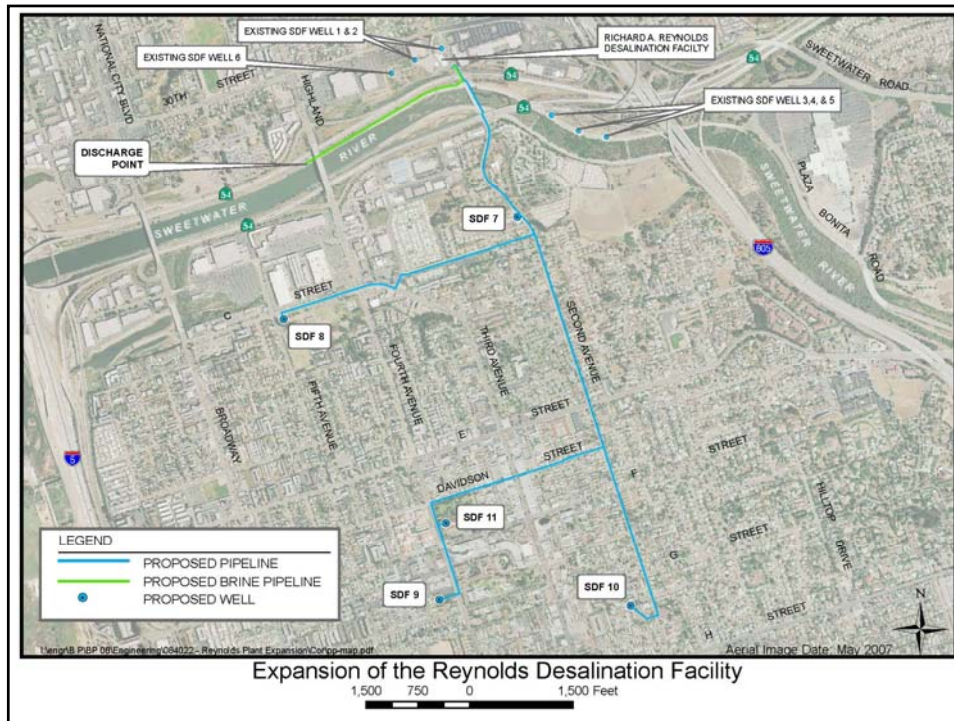


Richard A. Reynolds Desalination Facility

- 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

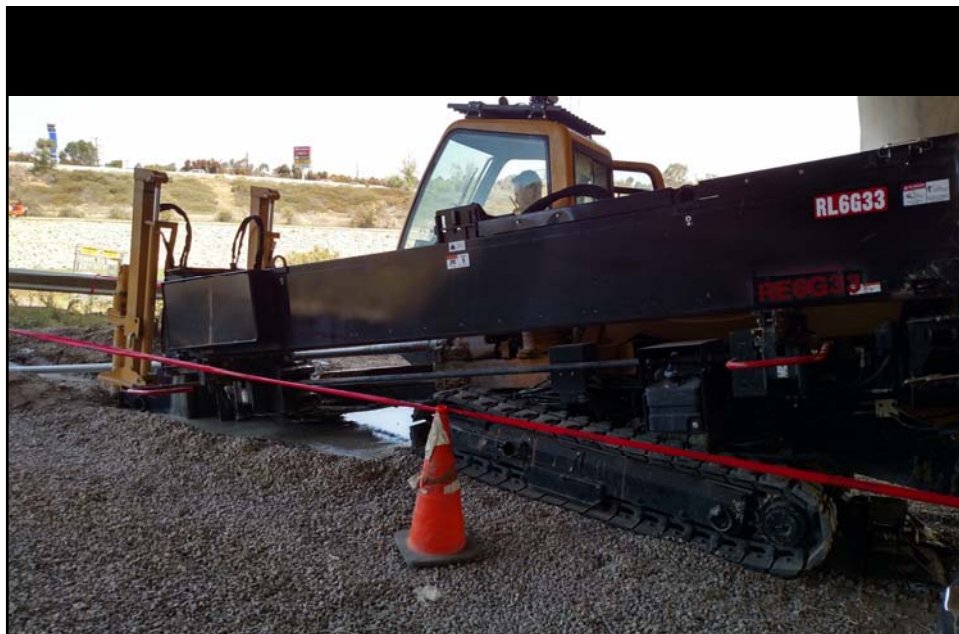








HDD Construction of 12-inch Well Conveyance Pipeline in Fourth Ave.



Horizontal Directional Drilling (HDD) Machine





14-inch 316L Stainless Steel Well Screen

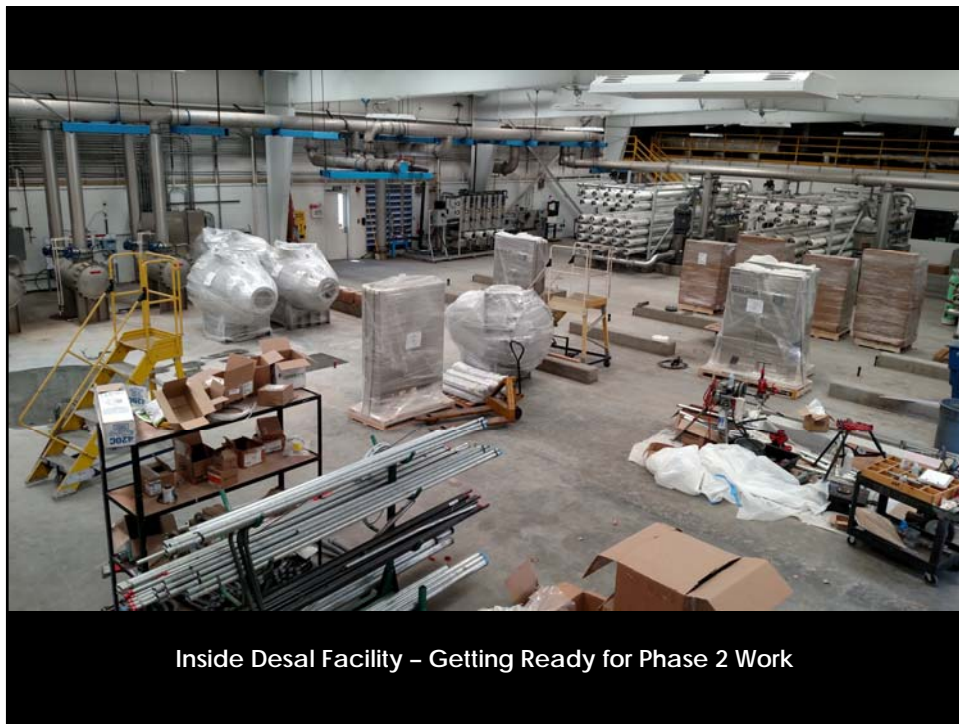
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SDF Well No. 11
(Library Site)



SDF Well No. 11 (Library Site) After Construction



Inside Desal Facility - Getting Ready for Phase 2 Work



Inside Desal Production Building After Expansion Project

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Inside Desal Production Building After Expansion Project

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New Iron/Manganese Treatment System, Decant Tank, and Relined Chlorine Contact Tank

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Questions?



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