

DESCRIPTION OF FACILITY (from Fact Sheet/Statement of Basis)

The Southwest Groundwater Project will remediate groundwater contaminated from historic mining activities in southwest Salt Lake County. This project will improve groundwater quality and prevent further contaminant migration in the Salt Lake Valley. The project will extract groundwater with elevated total dissolved solids (salts) via a series of deep aquifer wells and purify the extracted water utilizing a reverse osmosis (RO) treatment process at the Southwest Groundwater Treatment Plant (SWGWTP). The project will also extract groundwater from shallow wells with elevated total dissolved solids that have not been impacted by mining activities. The SWGWTP is owned and operated by the Jordan Valley Water Conservancy District (JVWCD).

The drinking quality water generated will be distributed by JVWCD to its member agencies for supply to their drinking water systems. RO byproduct water (i.e. concentrate), containing the extracted salts from the treated water, will be routed via a 21 mile pipeline to Gilbert Bay of the Great Salt Lake (GSL). Initial construction of the SWGWTP will have a capacity of seven million gallons per day (MGD) of treated drinking quality water and will discharge a maximum of 1.5 MGD of byproduct. At ultimate build out, the treatment plant capacity will increase to 14 MGD with 3 MGD of byproduct to be discharged to GSL.

Normal discharges under this permit will be via Outfall 001 to Gilbert Bay of the GSL. Limited intermittent start-up flows from deep and shallow wells will be discharged through municipal storm drain systems at various times to the Jordan River and the Utah and Salt Lake Canal. Discharges of water from the shallow aquifer wells would eventually reach the Jordan River, due to the fact that the natural flow pattern of the shallow aquifer is to the Jordan River. Routine discharges of mining contaminated groundwater from the deep aquifer wells to municipal storm drains will not be allowed.

The plant will be located near the District's headquarters, adjacent to the Jordan River. The approximate address is 8215 South 1300 West.

OTHER INFORMATION

The public is invited to comment on the draft UPDES permit. The 60 day public comment period will begin on December 1, 2010 and end on February 1, 2011. A public hearing is scheduled on January 4, 2011 at 5:00 pm in the DEQ Board Room, first floor of the MASOB building.

The draft UPDES permit and permit application will be available for public review under "Public Notices" at www.waterquality.utah.gov/ or at the project page on DEQ's website:

<http://www.deq.utah.gov/Issues/hottopics/swjvgwtp/swjvgwtp.htm>

If internet access is not available, a copy may be obtained by calling the DWQ at 801-536-4300. After considering public comment, the Executive Secretary may execute the permit, revise it or abandon it.

Written comments may be directed to: Kim Shelley, UPDES Engineering Section, P.O. Box 144870, Salt Lake City, Utah 84114-4870 or by email at: kshelley@utah.gov.

**Note: DWQ is only required to public notice draft UPDES permits for 30-days. Given the complexity of this permit and the high public interest, the Division will increase the public comment period to 60 days and has scheduled a public hearing on January 4, 2011. The hearing will be an opportunity for the public to provide comments for the record. No presentations or information on the project will be provided at that time.