

Jordan Valley Water Conservancy District

**Southwest Groundwater
Project Stakeholders Meeting**

January 12, 2005

Southwest Groundwater Project Status and Schedule Outlook

Agreements with Trustee and Kennecott Signed –
August 31, 2004

Zone A Reverse Osmosis Treatment Plant
Complete and Operational – Spring 2006

Zone B Reverse Osmosis Treatment Plant
Complete and Operational – Spring 2009

Southwest Groundwater Project

2004 Project Activities

- Sign agreement with Trustee and Kennecott
- Sign agreement with Kennecott
- Issue a request for Proposal for a consulting engineering firm
- Select a consulting engineering firm (Carollo Engineers)
- Negotiate an agreement with Carollo Engineers

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2005 Project Activities

- Complete acquisition of four deep well sites
- Acquire pipeline easements
- Drill deep exploratory wells
- Submit Jordan River UPDES permit (feed water)
- Begin drilling deep production wells
- Begin drilling shallow production wells

Cont.

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2005 Project Activities

- Begin design work for:
 - Reverse osmosis treatment plant
 - By-product pump stations
 - Feed water collection pipelines
- Continue construction of Zone B finished water pipeline (7800 South)
- Construct Zone A finished water pipeline (10200 South)

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2006 Project Activities

- Complete acquisition of pipeline easements.
- Complete drilling, development, and pump testing of deep production wells.
- Complete drilling, development, and pump testing of shallow production wells.
- Complete design work for:
 - Reverse osmosis treatment plant
 - By-product pump stations
 - Feed water collection pipelines

Cont.

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2006 Project Activities

- Begin construction of feed water collection pipelines.
- Complete construction of Zone B finished water pipeline
- Begin design of by-product pump stations
- Make treatment plant decision: (based on water right change application status)
 - Minimum Integrated Design vs. Integrated Design

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2007 Project Activities

- Complete construction of feed water collection pipelines.
- Complete construction of by-product pump stations.
- Begin construction of reverse osmosis treatment plant.
- September 2007 – make treatment plant design
 - Integrated Design vs. Separate Design
- Begin construction of by-product pipeline.

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2008 Project Activities

- Complete construction of reverse osmosis treatment plant.
- Complete construction of by-product pipeline

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2009 Project Activities

- Initiate start-up of Zone B facilities – Winter
 - Shallow wells
 - Deep wells
 - Reverse osmosis treatment plant
 - By-product pump stations
- Complete and operational - Spring

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Well Drilling Details

- Exploratory Wells
 1. Notify City planning staff
 2. Notify property owners within 300 feet
 3. Complete exploratory drilling (daytime work)

- Conditional Use Permits
 1. Prepare site plans
 2. Meet with City planning staff
 3. Meet with property owners within 300 feet
 4. Attend planning commission meeting

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Well Drilling Details

- Deep production wells and shallow production wells
 1. Notify property owners within 300 feet
 2. Notify potentially affected water right owners
 3. Receive indication from water right owners interested in monitoring water levels
 4. Notify City planning staff
 5. Complete 24 hour drilling
 6. Install well casing, screen and gravel pack

Cont.

Southwest Groundwater Project

Well Drilling Details

7. Complete well development by surging and pumping
8. Measure surrounding well water levels
9. Complete a 24 hour well pump test
10. Measure surrounding well water levels
11. Turn off well pump
12. Construct surface improvements and install permanent pump
13. January 2009 – turn on pump
14. Run pumps constantly (except for electrical or mechanical failure)