

Miramar Water Treatment Plant Upgrade and Expansion Construction Update March 2009

Contract B

- Construction began in November 2007 and is estimated to be completed in December 2009 or January 2010. The work is on schedule.
- The contractor is Western Summit Constructors, Inc. Contract B work now has over 150,000 man-hours on the job and there has been an excellent safety record.
- The key work is to construct four new flocculation/sedimentation basins. The concrete work is completed on the new basins and the equipment is now being installed.
- After the new floc/sed basins have been hydro-tested and put into service, the existing basins will be demolished.
- The demolition of the existing flocculation/sedimentation basins and abandoned chlorine building are scheduled to occur in summer to fall 2009. The demolition will take approximately three months.
- The fiberglass grating in the bulk chemical storage areas is completed.
- The paving of a portion of the interior roadway designated within Contract B is completed.
- The paving of the Administration Building parking lot and entry way are completed and outdoor lighting is installed and functioning.

Photo Explanation: New flocculation/sedimentation Basin No. 8. Basins, 5, 6, 7 and 8 will replace the existing basins No. 1, 2, 3 and 4. At the bottom of the basin are tracks and wear strips running lengthwise. Scrapers, called flights, will be attached to these tracks and will slowly move along the length of the bottom of the basin. They will collect and push any settled particles off the bottom of the tank and remove the particles, called sludge, from the water.



Contract C

- Construction began in November 2008 and is estimated to be completed in March 2010. The work is on schedule.
- The contractor is Archer Western Contractors, LTD. Contract C work now has over 8,000 man-hours on the job and there has been an excellent safety record.
- The key work is to furnish and install the ozone disinfection equipment. Ozone will be used to disinfect the water at the plant. Chlorine will be added as the water leaves the plant for the distribution system.
- The contractor is currently installing the concrete pads and saddles for the tanks and installing conduits.
- The new ozonation equipment will be installed in the new ozone building which was constructed in Contract A work.

Photo explanation: The large light-colored concrete pad in the middle of the photo was built as part of Contract C work. The other facilities were built as part of Contract A work. Three tanks that will contain liquid oxygen will be placed on this pad. The liquid oxygen will be converted into ozone by equipment located inside the ozone building (not visible in this picture).

