

Pleasanton water plant gets more than a new face

It was a difficult decision for the leadership of the city of Pleasanton a few years ago when considering to either close their water treatment plant, built sometime around 1905, and join the new Public Wholesale Water Supply District No. 13 or apply for loans/grant funds to upgrade the existing water treatment plant. The decision came down to either giving up independence and relying on another source for their water or do yet one more upgrade to the aging treatment plant. The debate was long and drawn out with many nights of discussions both for and against. In the end, it was decided to make the needed upgrades to the existing water plant and find a way to finance them.

The project included almost every area of the treatment plant and the intake at the city's lake. All of the improvements to the water treatment plant were to assist the city in meeting the

feed equipment. The cost was approximately \$34,000. Potassium permanganate will be added to reduce taste and odor issues.

At the city's main treatment plant, stainless steel launders were

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current Stage 1 requirements of the Disinfection Byproducts Rule (DBPR).

Improvements at the city's East Lake included a new six-foot by eight-foot concrete block building to house potassium permanganate

added to the plant's two clarifiers along with two 30-foot stainless steel covers. The covers were added to help reduce algae growth. Other improvements in this area included new flash mix tanks as well as a new catwalk

EBH and Associates of Great Bend, Kan., was chosen as the engineering firm for the project. Alan Luttrell and Don Hellar were project managers with EBH. The construction was completed by BRB Contractors, Inc., Topeka. Construction began in October 2005 and was completed in late May 2006.



*Gary Armentrout
Training Director*

The city was successful in obtaining a \$400,000 Community Development Block Grant through the Kansas Department of Commerce. In addition the city obtained a loan of \$633,210 through the Kansas Public Water Supply Loan Fund administered by the Kansas Dept. of Health & Environment.



The Pleasanton water plant clarifiers have new stainless steel covers. One is seen on the clarifier shown above. Part of the new catwalk between the two clarifiers is also shown.

between the two existing clarifiers. The catwalk is a safety improvement that was long needed.

The plant's filters received a new splitter box, a filter to waste line with air gap and a new overflow pipe. Granular activated carbon (GAC) was added at this time to a depth of one-foot to the filter system to assist in additional TOC removal. New turbidity meters were also installed at each

filter and on the combined line for each filter.

A new concrete chlorine contact basin was built with a flat aluminum cover added. A new 200 kW standby generator with automatic transfer switch in case of power failure was installed. The cost of the generator was approximately \$35,000 but is considered a wise investment should it ever be needed.

A new chemical building was also constructed. It houses the chemical feed equipment including two 360-gallon tanks and stands for soda ash and alum. A new carbon feed system complete with tank and metering pump is planned for in the future if needed.

Another improvement to the water plant was the addition of dual platform chlorine scales,



Above left: Inside of Pleasanton's new chemical room showing the 360-gallon tanks for soda ash and alum along with new master meter, chemical feed pumps, emergency shower station and eye wash on far left side.

Above right: Pleasanton Water Plant Operator John Jennings checks turbidity at new bank of turbidity meters.

Left: The new Pleasanton 200 kw auto start emergency generator.

equipped with an automatic shut off for two chlorine cylinders.

The lab in the main building was completely rebuilt to include a stainless steel workstation, shelves and sink along with laboratory equipment for iron manganese, alkalinity and stability testing.

It is the hope of the city council and water treatment plant personnel that these new upgrades at an approximate cost of \$1,000,000 will carry the city's water treatment plant well into the future to meet EPA requirements.

Training Calendar

Take advantage of KRWA-sponsored training. KRWA's training calendar is updated regularly; additional management and finance sessions will be added to the listing below. Always check "training sessions" on KRWA's Web site at www.krwa.net for the latest schedule. If you have further questions or would like to suggest a particular topic, e-mail to krwa@krwa.net or call KRWA at 785/336-3760.

Date	Course	Location	Op Credit	Cost
July 11	Water Meters, Water Loss	La Cygne	w	No Charge
July 12	Water Meters, Water Loss	Marysville	w	No Charge
July 12 & 13	Basic Electrical Maintenance and Troubleshooting	Emporia	w/ww	No Charge
July 13	Water Meters, Water Loss	Pratt	w/ww	No Charge
July 26	Competent Person for Trenching, Confined Space Entry	New Strawn	w/ww	\$80.00
July 26 & 27	Programmable Logic Controllers: Application, Function and Benefits	Manhattan	w/ww	No Charge
July 27	Competent Person for Trenching, Confined Space Entry	New Strawn	w/ww	\$80.00
Aug 8	Source Water, Wellhead Protection and Water Rights	Ft. Scott	w	No Charge
Aug 9	Operation, Selection, and Maintenance of Water Meters	Hoisington	w	No Charge
Aug 9 & 10	Advanced Electrical Course	Concordia	w/ww	No Charge
Aug 16	Competent Person for Trenching	Arkansas City	w/ww	\$80.00
Aug 16 & 17	Advanced Electrical Course	Dodge City	w/ww	No Charge
Aug 17	Competent Person for Trenching	Arkansas City	w/ww	\$80.00
Aug 23	Source Water, Wellhead Protection and Water Rights	Russell	w	No Charge
Aug 24	Source Water, Wellhead Protection and Water Rights	Winfield	w	No Charge
Sept 6 - 7	Advanced Electrical Course	Holton	w/ww	No Charge
Sept 11 - 15	Backflow Prevention-Cross Connection Control Course	Girard	w/ww	\$200.00
Sept 11 - 15	Backflow Prevention-Cross Connection Control Course RECERTIFICATION	Girard	w/ww	\$75.00
Sept 20	Competent Person for Trenching	Larned	w/ww	\$80.00
Sept 20 & 21	Advanced Electrical Course	Emporia	w/ww	No Charge
Sept 21	Confined Space Entry	Larned	w/ww	\$80.00
Oct 2 - 6	Backflow Prevention-Cross Connection Control Course	Arkansas City	w/ww	\$200.00
Oct 2 - 6	Backflow Prevention-Cross Connection Control Course RECERTIFICATION	Arkansas City	w/ww	\$75.00
Oct 4 & 5	Motors and Drives	Hays	w/ww	No Charge
Oct 8 & 9	Competent Person for Trenching, Confined Space Entry	Lyons	w/ww	\$80.00
Oct 18 & 19	Motors and Drives	Ottawa	w/ww	No Charge
Nov 13 - 17	Backflow Prevention-Cross Connection Control Course	Dodge City	w/ww	\$200.00
Nov 13 - 17	Backflow Prevention-Cross Connection Control Course RECERTIFICATION	Dodge City	w/ww	\$75.00
Nov 15 & 16	Programmable Logic Controllers: Application, Function and Benefits	Hutchinson	w/ww	No Charge
Dec 6 & 7	Motors and Drives 2007	Seneca	w/ww	No Charge
Jan 8 - 12	Backflow Prevention-Cross Connection Control Course	Gardner	w/ww	\$200.00
Jan 8 - 12	Backflow Prevention-Cross Connection Control Course RECERTIFICATION	Gardner	w/ww	\$75.00
Mar 27 - 29	2007 KRWA Annual Conference & Exhibition	Wichita	w/ww	No Charge