

# Equipment Manufacturer for WWTPs Finds Ways to Help with Broader Concerns

By Cliff Lebowitz, Catalytic Reporting

Having decided that its commitment to serving the water industry as an equipment manufacturer means more than just developing hardware and software proposals and fulfilling them, TGO Technologies has sought input from its customers on how they are dealing with overarching industry concerns – and how the company can help as a supplying manufacturer.

One concern being investigated by this manufacturer of secondary containment vessels for gas cylinders is coping with the widely acknowledged situation of aging plant management and workers. These personnel have typically stayed at their places of employment for many years, with their average tenure noted in one recent study by the federal Bureau of Labor Statistics (BLS, 2018) to be the highest among all industries, and there is deep concern about how they are to be effectively replaced with knowledgeable and trained new personnel.

So far in its ongoing investigation, the company has learned some things about what is already being done by plant management to address the aging workforce challenge; how the design of TGO's equipment and its on-site training can help; and how a special partnership with the American Water Works Association (AWWA) may address the problem.



## Plant Management Observations

"As long as the equipment information is effectively passed on, there shouldn't be any problems for new people," noted Alex Mares, the water utilities supervisor for Lake Havasu City, AZ. "Meanwhile, overall, our city is looking at optimizing training programs to get new guys interested in plant operations, including drawing them from our own distribution system crews, toward getting them interested in training for whole-plant operations."

Another manager noted how the design of the containment vessels, and the manufacturer's training in their use, can help. "Training for this equipment is pretty straightforward; we just need to have somebody with experience on site when we are changing out the chlorine cylinders," summarized Mike Holloway, chief operator for the Walnut Creek Special Utility District in Lake Bridgeport, TX.

"It's not a long process to learn," he continued. "We don't need six months to train somebody. It shouldn't take more than four changeouts to learn it well."

## AWWA Scholarships

In a further commitment to assisting with the challenge, TGO is taking advantage of AWWA and its membership's recognition of the importance of investing in students as the future of the water industry. As part of that commitment, AWWA takes a very active role in supporting students, distributing more than 40 scholarships to students nationally. The scholarships range from \$5,000 to \$10,000.

So, partnering with AWWA in the effort toward financially supporting aspiring civil and environmental engineers and encouraging their entry into the water industry, TGO is establishing a \$5,000 scholarship eligible to students attending schools where one of its ChlorTainer™ containment units sold.

The company's present goal is to reach an annual donation threshold of \$20,000 and, in the program's first year, TGO was

able to donate \$5,000. Further information on the program is available via the AWWA scholarship page.

## Further Initiatives

More sharing of information among utilities on how they are coping with the aging workforce challenge can certainly help, as can further attention from manufacturers on simplifying equipment design and increasing participation in scholarship initiatives. But other actions can help as well.

More high school outreach might be especially promising. One study by the Princeton Review says that the most popular college majors among youth today are computer science, communications, and political science because they are regarded as offering the best prospects for advancement and the highest salaries (Franek, 2019). Another study by the BLS (2019) says that the information industry's workforce is already more than five years younger than the water industry's.

The water industry can certainly offer prospects for employment and opportunities for advancement as a growing population increases the need for plant personnel. The students electing their major based on the "hot" trends may want to consider looking into the water industry.

## References

- Bureau of Labor Statistics (BLS). (2018, September). *Table 5. Median years of tenure with current employer for employed wage and salary workers by industry, selected years, 2008-2018*. Retrieved from <https://www.bls.gov/news.release/tenure.t05.htm>
- Bureau of Labor Statistics (BLS). (2019, January). *Labor force statistics from the current population survey*. Retrieved from <https://www.bls.gov/cps/cpsaat18b.htm>
- Franek, R. (2019, June). *Top 10 College Majors*. Retrieved from <https://www.princetonreview.com/college-advice/top-ten-college-majors>