



The Wet Gazette

Volume 8, Issue 1

The Latest in Technology For The Treatment Of Water & Wastewater

Inside This Issue:

TRA Awards Second Phase of AquaDiamond® Filter Project

Internally Fed Drum Screen Makes Debut

Significant Upgrade for Wichita Falls, Texas

Harris County Texas Chloramine Conversion

Introducing a New Honey Monster®

Envirogen Technologies for Odor Control

New Projects in Oklahoma

If you would like to receive the Wet Gazette by email send your email address to kbray@hartwellenv.com

Our Locations

Tomball
281.351.8501 Tel
281.351.8323 Fax

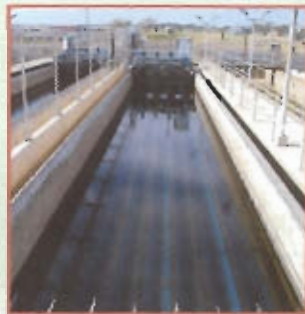
Austin
512.347.7676 Tel
512.347.7730 Fax

Arlington
817.446.9500 Tel
817.446.7200 Fax

Tulsa
918.299.8555 Tel
918.299.8554 Fax

TRA AWARDS SECOND PHASE OF AQUADIAMOND® FILTER PROJECT

Following successes of a 2007 project **Trinity River Authority (TRA)** recently awarded a contract to **Eagle Contracting L.P. (Keller)** for **AquaDiamond® Cloth Media Filters** manufactured by **Aqua-Aerobic Systems** for conversion of four more traveling bridge filters at the **TRA Central WWTP in Dallas, TX**. The existing filters, were rated to handle **5 MGD Average/10 MGD Peak** and following conversion each will handle **12 MGD Average/24 MGD Peak, i.e. more than twice the capacity in the same footprint!** This project was designed by **Alan Plummer Associates, Inc.** of Ft. Worth.



INTERNALLY FED DRUM SCREEN MAKES DEBUT



El Dorado U.D. (Humble, TX) is completing an improvements project at their existing WWTP that included the supply of a new **Internally Fed Rotating Drum Screen** supplied by **JDV Equipment Co.** for the headworks. The screen incorporates the latest in drum screen technology and is totally enclosed to contain odor. Screenings are conveyed into a **JDV Washer/Compactor** to enhance ease of disposal for the operator. The project was designed by **Century Engineering Inc.** and built by **T&C Construction**, both of Houston.

SIGNIFICANT UPGRADE FOR WICHITA FALLS, TEXAS

The **City of Wichita Falls** recently awarded an improvements contract for their **Cypress Water Treatment Plant** to **Archer Western Contractors (Arlington)**. **Biggs and Matthews Inc. (Wichita Falls)** and **CH2M Hill (Tulsa)** were the Design Engineers and the project will include the following equipment items:

- **Accelerator® Solids Contact Clarifier & STS/Tetra Filter Underdrain Systems by Infilco Degremont**
- **Sluice & Slide Gates by Hydro Gate**
- **Gravity Thickeners by Walker Process Equipment**
- **Carbon Dioxide Feed System by TOMCO2**
- **Mixers by Lightnin'**
- **Progressing Cavity Pumps by Netzsch**

HARRIS COUNTY TEXAS CHLORAMINE CONVERSION



In order to comply with the groundwater use reduction requirements, many Harris County utility districts began to purchase treated surface water from the City of Houston. The City practices chloramination as a means to reduce disinfectant by-product (DPB) formation. Online analysis of water following the chloramination process is a necessary operator function. The **ChemScan 2150/S** detects free ammonia, total ammonia, monochloramine and total chlorine online. This reduces the need for inconvenient laboratory sampling, assures process conformance and controls energy and chemical costs. Additional benefits include a reduction of taste and odor complaints while minimizing the potential for nitrification in the distribution system. A typical installation is shown in the adjacent photo. Many of these have already been installed at districts throughout the Houston area and we invite you to check out the **Chemscan 2150/S** for your application.

INTRODUCING A NEW HONEY MONSTER®

The **Honey Monster® SRS-XE** is an improvement to JWC Environmental's award winning Honey Monster®. This automated Septage Receiving System uses a combination of grinding, solids removal, washing and dewatering to remove unwanted trash before septage is allowed to enter a wastewater treatment plant.

The pivoting auger assembly allows for easy maintenance and minimizes overhead requirements needed to remove the auger from the tank. This allows for easy inspection and removal. It features an Auger Monster® screen with 1/4" (6mm) perforations that removes far more unwanted solids and trash than bar screens. The patented dual compartment compaction zone provides significant additional dewatering. JWC's unique dewatering segment prevents material from wrapping around the shaft- a common problem with other receiving stations. Additional filters keep the spray wash systems operating trouble-free, even when reclaimed water is used.



At this time of year we again extend our thanks and best wishes to all of our customers. You have helped make us a success and we deeply appreciate your patronage throughout the year. May you and your family enjoy this special season and have a very prosperous 2010!



Hartwell Environmental Corp.
22115 Hufsmith Kohrville Rd.
Tomball, TX 77375-6952

Tomball

Ron Culp, Joe Hartwell, Kathy Bray, Jim Clayton, Joe Rodriguez, Dave Alston, Dennis Fishbeck, Matt Davis, Raelene McGinley, Terri Shook

Austin

Kent Guilbeau

Arlington

Bob Russell, Andy Spicher, Tamara Crain, Uwe Rabler, Peter Lunk, Jamie French, Heather Wright

Tulsa

Jim Beer



ENVIROGEN TECHNOLOGIES FOR ODOR CONTROL



Envirogen Technologies offers Biofiltration Systems for cost effective odor and VOC control. They offer three cost effective options depending on the specific application:

- Built-in-Place for larger air flow rate applications
- Modular for smaller applications
- Bioscrubber Towers for a smaller footprint



Throughout our TX/OK market we can show you many successful examples of these types. Our most recent order is a Bioscrubber Tower unit for the **City of La Feria, TX**, a project designed by **Siglar, Winston, Greenwood and Associates**.

NEW PROJECTS IN OKLAHOMA

City of Claremore, OK WWTP

Engineer: **Garver, LLC** (Norman)
Contractor: **Grimm Construction** (Kansas City, MO)
Equipment: Diffused Aeration by **Sanitaire**
Blowers by **Hibon**
PC Pumps by **Netzsch**

City of Henryetta, OK WTP

Engineer: **Mehlburger Brawley Engineers** (McAlester)
Contractor: **Wynn Construction** (Oklahoma City)
Equipment: Two **SuperPulsator®** Solids Contact Clarifiers
by **Infilco-Degremont**