

Benjamin H. Grumbles

Director

Arizona Department of Environmental Quality

1110 West Washington Street

Phoenix, Arizona

Agency Director since June 22, 2009

ADEQ's mission is to protect and enhance public health, welfare and the environment in Arizona.

Pretreatment in Arizona

- AzPDES program delegated in December 2002
 - CWA 503 program
 - 12 approved programs
 - 4 in development
- Private utilities (non-POTW) must develop “codes of practice” for source control for commercial/industrial users (under Section 208)
 - Food service operations
 - Dry cleaners
 - Dental/medical offices
 - Photo imaging/finishing
 - Auto wash/repair facilities

Arizona's Pretreatment Challenges

- Arizona is
 - a large, rural state
 - two population centers
 - small industrial base outside of Phoenix and Tucson
- Nearly 60% of WWTPs do not have AzPDES discharge permits
- Arizona has significant number of private utilities (non-POTWs) serving large master planned communities

Arizona's Solutions

- State Aquifer Protection Program requires pollution reduction for all WWTPs, including non-POTWs & WWTPs < 5 mgd
- Pollution reduction can be achieved by one of the following methods:
 - Setting local influent limits;
 - Meet CWA 503 requirements; or
 - For WWTPs without significant industrial inputs, conduct periodic monitoring to detect industrial discharges
- No combined sewer systems in Arizona

Emerging Trends

- Fats, Oils & Grease → Energy
 - Local Arizona community using DOE stimulus funds to study feasibility of FOG → Energy Project. May power some POTW operations
- Border issues
 - Where trans-boundary systems exist, need for collaboration & cooperation in developing pretreatment standards & programs
- Stormwater – next renewable resource?
 - Re-use/retain stormwater locally rather than manage with expensive conveyance and collection systems
 - Diversion of stormwater minimizes SSOs
- Pollution Prevention/Reduction
 - Laws ordinances & public education on pollution prevention measures
 - mercury reduction and phase-out
 - endocrine disruptor/emerging contaminants/pharmaceuticals
 - Communities sponsored collection events (e.g., drug takeback locations, school cleanout events)