

I&E Update



Tricia Angoli
On-Site Water Protection
Branch

Changes to I&E and Branch

- **Nancy Deal – Staff I&E Coordinator**
- **Ted Lyon retired**
- **Raleigh offices have moved from Capital Blvd to Six Forks Rd**
- **Phone numbers for Raleigh staff have changed**

New/Updated I&E Approvals (1/1/2011)

- **Flowtech (Innovative)**
- **Orenco/AdvanTex (Innovative)**
- **Ezflow (Innovative and Accepted)**
- **ADS/PSA (Innovative and Accepted)**
- **Infiltrator (Innovative)**

New/Updated I&E Approvals (1/1/2011)

- **F R Mahony/Amphidrome
(pending)**
- **E-Z Treat (application in)**
- **Delta (application in)**

Flowtech



Flowtech



Flowtech

- **New Innovative Approval**
- **Approved by the Commission for Public Health in May 2012**
- **Did not go through I&E but was approved as being functionally equivalent to an accepted product in accordance with NCGA 130A-343(g1)(1)**

Flowtech

- **Not the same as accepted (cannot just be used if permit specifies 25% system)**
- **Owner or their authorized agent must specifically request the use of Flow Tech**



Orenco / AdvanTex



Orenco/AdvanTex

- **Different flow return configurations (able to return flow from filter to other than recirculation tank)**
- **Modified sampling requirements**
 - **All systems sampled for CBOD₅ and NH₄-N**
 - **TS-II systems also sampled for TN and influent analyzed for TKN**
 - **Systems over 1,501 gpd have effluent sampled for fecals**

Orenco/AdvanTex

- **Change in pod requirements for design flow**
 - **On design flows over 1,500 gpd**

**EZflow
ADS/PSA
Infiltrator**

EZflow/ADS/Infiltrator

- **All three products owned by the same company, Infiltrator Systems Inc.**
- **35% reduction system removed from all drainfield product approvals**

EZflow/ADS/Infiltrator

- **Name changes to EZflow and ADS Accepted approvals**
- **EZflow Accepted approval modified – clarification of approval language (also changed in Innovative approval)**

EZflow/ADS/Infiltrator

- **ADS Innovative approval for low profile chamber added (foot for foot and same soil depth as required for standard chambers)**

F R Mahony / Amphidrome



F R Mahony/Amphidrome

- **Modify their sizing chart to reflect what they are currently doing in other states**
- **Add rectangular reactors**

E-Z Treat

E-Z Treat

- **Made application for Innovative approval (from Controlled Demonstration)**
- **Still in subcommittee**

Delta



Delta

- **Made application for a new Controlled Demonstration approval for a new pretreatment system**
- **Still in subcommittee**

- **Tricia Angoli**
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**Web Address for all Innovative,
Controlled Demonstration,
Accepted, and Experimental
Systems**

**[http://ehs.ncpublichealth.com/
osww_new/new1/iesys.htm](http://ehs.ncpublichealth.com/osww_new/new1/iesys.htm)**