

Welcome!
 April 17-18, 2012
 Chas Ariss, P.E.
Wastewater Engineering Program Manager

2012 DEQ WATER REUSE CONFERENCE

DEQ Wastewater Program Staff

- Chas Ariss, P.E.
 - Engineering Manager – Program Lead
- Tressa Nicholas
 - Wastewater Analyst, Biosolids, Training & Conference Coordinator
- A.J. Maupin, P.E.
 - Program Lead Engineer
- Olga Cuzmanov
 - Permits, Compliance & Enforcement Analyst
- Lindsey Stanton
 - Administrative Assistant

Overview of Reuse Program in Idaho – Rules Landscape

- IDAPA 58.01.17 – Recycled Water Rules
- IDAPA 58.01.16 – Wastewater Rules
- IDAPA 58.01.11 – GW Quality Rule
- IDAPA 58.01.02 – Water Quality Standards
- IDAPA 58.01.03 - Individual/Subsurface Sewage Disposal Rules
- IDAPA 58.01.08 – Idaho Rules for Public Drinking Water Systems

Basic Concepts

- DEQ Wastewater Rules define **Reuse as** -
“The use of reclaimed water for beneficial uses including, but not limited to, land treatment, irrigation, ground water recharge using surface spreading, seepage ponds, or other unlined surface water features.”
- DEQ Recycled Water Rules define **Reuse as** -
“The use of recycled water for, irrigation, ground water recharge, landscape impoundments, toilet flushing in commercial buildings, dust control, and other uses.”

Basic Concepts

- Wastewater versus Recycled Water
 - **Wastewater** refers to all municipal and industrial waters that have served one or more prior uses and requires treatment and disposal (IDAPA 58.01.16.010.89)
 - **Recycled Water** refers to that subset of wastewater that has been treated to a level suitable in quality for additional use(s) (IDAPA 58.01.17.200.33)
- DEQ supports ALL levels of Water Reuse in Idaho!

Basic Concepts

- Other commonly used wastewater terms
 - Black Water
 - Gray Water
 - Industrial Wastewater
 - Municipal Wastewater
 - Septage
 - Sewage
- Other related permits
 - NPDES (USEPA – CWA Section 402)
 - Biosolids (USEPA – CWA Section 503)

Relationship to Ground Water Quality Rule (IDAPA 58.01.11)

- All Reuse Permits in Idaho must comply with Ground Water Quality Rule Standards
- Only Class A Systems may perform GW Recharge
- Class A-D Systems may perform Subsurface Distribution (IDAPA 58.01.03)
- Class A Systems performing GW Recharge must meet
 - 10 mg/L Total Nitrogen Limit (Alt = 30)
 - 5 mg/L BOD₅ Limit (Alt = 10)
 - pH Limit is 6.0-9.0 S.U.

Classes of Municipal Recycled Water

- Class A – Highest Quality
- Class B – Equivalent to Class A but no Mechanical Redundancy
- Class C – Typical Municipal Effluent
- Class D – Typical Municipal Effluent
- Class E – Untreated
- Note: No Classifications apply to Industrial Recycled Water

Water Reuse Program Activities

- Permitting
- Inspections
- Enforcement
- Public Outreach
- Guidance Development
- Operator Training Coordination

Status of Reuse Permits in Idaho by Type

- 136 = Total # Permits
- 92 = # Municipal Permits
- 41 = # Industrial Permits
- 3 = # Combined Muni/Industrial (INL)
- 121 = # Active Permits
- 15 = # Inactive Permits

Status of Reuse Permits in Idaho by Class

- 3 = # Class A Permits
- 7 = # Class B Permits
- 39 = # Class C Permits
- 13 = # Class D Permits
- 5 = # Class E Permits
- 13 = # Multiple Class Permits: A&C, A&D, etc.

Status of Reuse Permits in Idaho by Periods of Use

- 70 = # Growing Season Only Permits
- 0 = # Non-Growing Season Only Permits
- 51 = # Facilities Doing Both-GS & NGS
 - Includes 3 Facilities producing Snowfluent

Other Matters of Note

- New Reuse Permit Template in Use
 - New Naming Convention
 - New Numbering Convention
- Seepage Test Calculation Spreadsheet
 - Final Draft now posted for Use
- Municipal Lagoon Seepage Test Deadline
 - April 15, 2012!
- Biosolids Guidance Complete
 - DEQ Training Scheduled for May 2012

Welcome Again & Thanks!

- Questions?
- Wastewater Program Staff will be here throughout Conference
 - Feel free to contact us for sidebar discussions
 - Program Staff Business Cards are available
- DEQ Booth in Vendor Display Area
- Reception Tonight!
 - Thanks to All our Sponsors!