

GROUND WATER RULE



**New Mexico Municipal League
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RULE DEVELOPMENT BACKGROUND: PUBLIC HEALTH RISKS

- **CDC Outbreak Data: 1971–1996**
 - **318 of 371 outbreaks associated with ground water systems**
 - **Of those 318 microbial outbreaks:**
 - **86% were associated with source water**
 - **11% were associated with the distribution system**
 - **3% were of unknown cause**
 - **Of those involving source water, just under half were systems practicing disinfection**

GROUND WATER RULE

- **Ground Water Rule Promulgated January 8, 2007.**
- **Ground Water Rule is effective December 1, 2009.**
- **The rule applies to all systems that use ground water as a source unless it is combined with surface water (or GWUDI) prior to treatment.**
 - **This includes consecutive systems receiving finished ground water.**
- **Will apply to 94% (1,190) systems in New Mexico.**

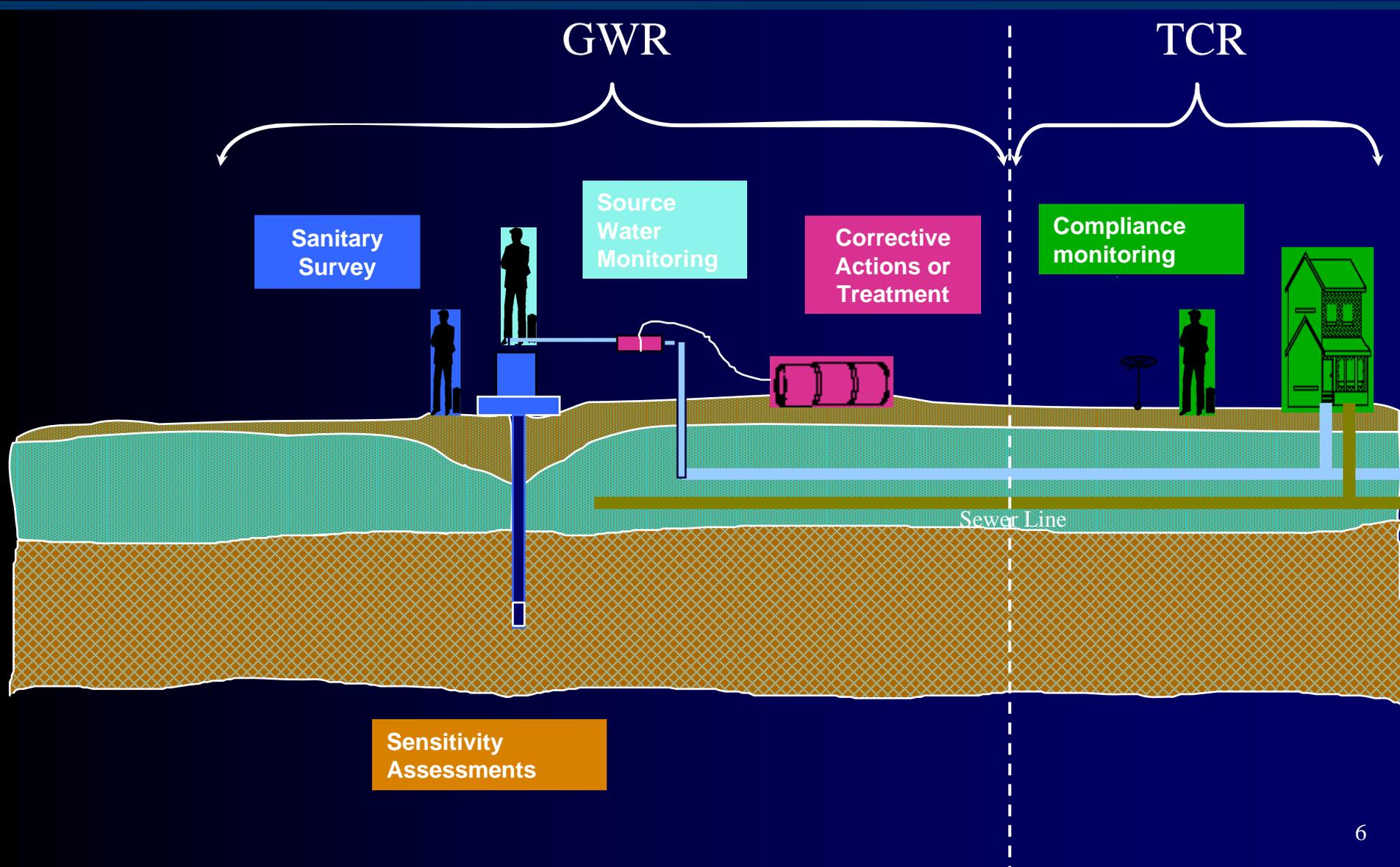
REGULATORY PROVISIONS:

- **Sanitary Survey Changes**
 - Frequency
 - Every 3 years for CWS; 5 years for NCWS
 - Eight Elements of a Sanitary Survey – To match ESWTR
- **Hydrogeologic Sensitivity Assessment (HSA)**
 - To identify sensitive sources that will be required to perform routine monitoring
 - Non-disinfecting ground water systems
- **Source Water Monitoring (Bacteriological)**
 - Triggered (Positive TCR samples)
 - Routine (HSA)

REGULATORY PROVISIONS:

- **Corrective Actions**
 - If a State identifies a Significant Deficiency, OR if there is confirmed Source Water Contamination, the PWS must complete one of the following:
- **Correct the significant deficiency.**
- **Eliminate the source of contamination.**
 - Source Water Protection Program.
- **Provide an alternative source of water.**
- **Provide treatment that reliably achieves 4-log inactivation or removal of viruses.**
 - Will require daily monitoring of disinfectant.

REGULATORY APPROACH:



STATE STRATEGY

- **Drinking Water Bureau developing Implementation Strategy.**
 - **Targeting mid-2008 completion**
 - **Stakeholder Input**
 - **Comprehensive Package**
 - **Forms**
 - **State Discretionary Issues**
 - **Coordination with other Bureaus/Agencies**
 - **FAQs**
 - **Stress Advanced Education of Water Systems.**