

WRT's Water Treatment Process

Much of the nation's water supply has contaminants — either from naturally occurring or man-made sources. In either case, certain contaminants must be removed from the water to protect public health and meet regulatory guidelines. Once removed, safe and environmentally responsible disposal of the contaminants and treatment waste is essential.

WRT's proprietary water treatment process is unique in that it not only removes select contaminants from water using an absorptive media, it completes the process by disposing of radioactive treatment residuals in a licensed facility.

As a result, contaminants do not re-enter the water supply or return to the community as run-off or sludge deposits. It is the most environmentally responsible method available today of treating water.

WRT is the only provider of a total, long-term, environmentally safe solution for removing select contaminants from water sources and disposing of them in licensed facilities.



Clean water. Clean earth. That's our promise.®

WRT'S WATER TREATMENT PROCESS



About the Process

- WRT's innovative treatment process removes radium and uranium by passing contaminated water through a fluidized bed of proprietary Z-88[®] and Z-92[®] absorptive media. The media absorbs the contaminants.
- Treatment residuals are removed and disposed of in a licensed facility.
- Special state and federal licensing enables WRT to provide water treatment and radioactive residual waste removal.
- With WRT's total solution for contaminant removal:
 - No chemicals are added to the water
 - No radioactive liquid waste is generated or discharged to sewers
 - No radioactive waste is sent to a local landfill or land applied
 - No drinking water is discharged to sewers from the radium or uranium removal process
- WRT guarantees its water treatment systems will reduce high contaminant levels to below EPA guidelines, enabling water providers to be in compliance throughout their contract with WRT.
 - Through ongoing research and development, WRT is able to remove many contaminants from water using its proprietary technology and natural treatment media.
 - City and water provider employees do not need to come in contact with potentially hazardous matter, maintaining the employees' safety and protecting water providers from potential liability related to the removal and disposal of contaminated media.
 - Water providers are only responsible for minimal maintenance and routine monitoring of the system, which reduces overall costs and staff time.
- WRT's system provides everything needed for clean, safe water – from reliable process equipment and the assurance of radiation safety to the environmentally sound removal and disposition of treatment residuals.
- To ensure the site meets or exceeds desired treatment goals, WRT:
 - Evaluates and analyzes a site-specific application
 - Designs a complete treatment process
 - Removes residuals under WRT's Radioactive Materials License
 - Performs on-site piloting and proof-of-process
 - Monitors and documents discharge compliance
 - Maintains the full-scale installation



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