

*Complete radium
removal solutions
for guaranteed
performance.*

Radium



From Source to Solution

WRT®: Contaminant removal from source to solution.

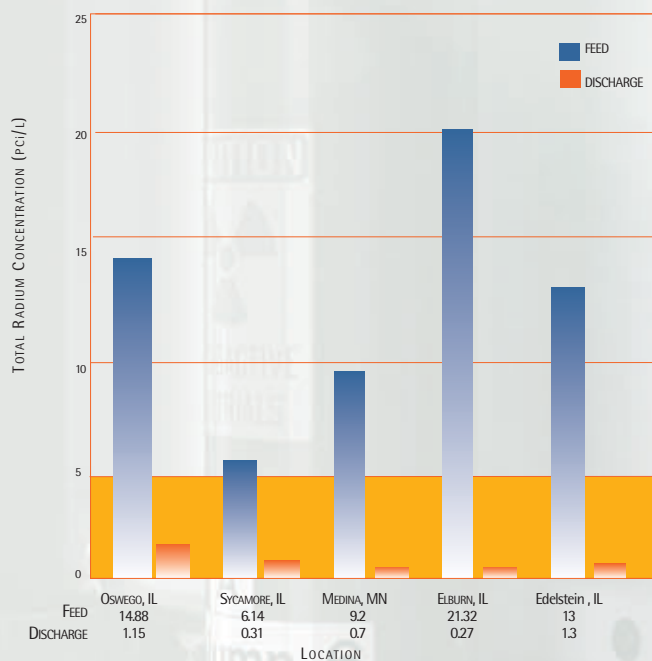
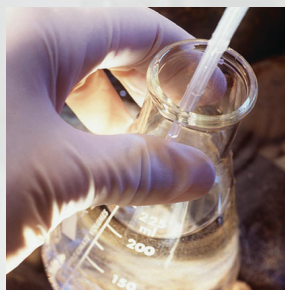
To help customers meet regulatory compliance standards, WRT designs, builds and provides processes for removing radium, chromium, arsenic, ammonia, uranium, barium and other contaminants from water or waste water. These patent-pending processes are the simplest, most effective and cost-efficient available, utilizing proprietary treatment media mined, processed and formulated by WRT.

What's more, our long-term contract package of process/services includes equipment, media, exchange of media, and proper handling and disposal of used media.

Advantages of the Z-88™ Radium Removal Process.

Provided on a cost-per-1,000 gallons treated, long-term contract basis, WRT's complete radium removal solution guarantees results.

Our process offers the most effective and economical means of radium removal utilizing Z-88 media, which is NSF Standard 61 certified for use in drinking water.



- No chemicals are added to the water for the removal process
- No liquid waste stream is generated, and no backwash or regeneration cycle is required
- Pre-treatment for iron removal is not required
- Minimal maintenance and operation consists of routine monitoring and sampling
- No handling of radioactive materials, media or chemicals by utility staff
- Safe disposal of waste material to licensed facility by WRT
- Not temperature or pH dependent within the normal range of drinking water
- NSF Standard 61 certified for use in drinking water

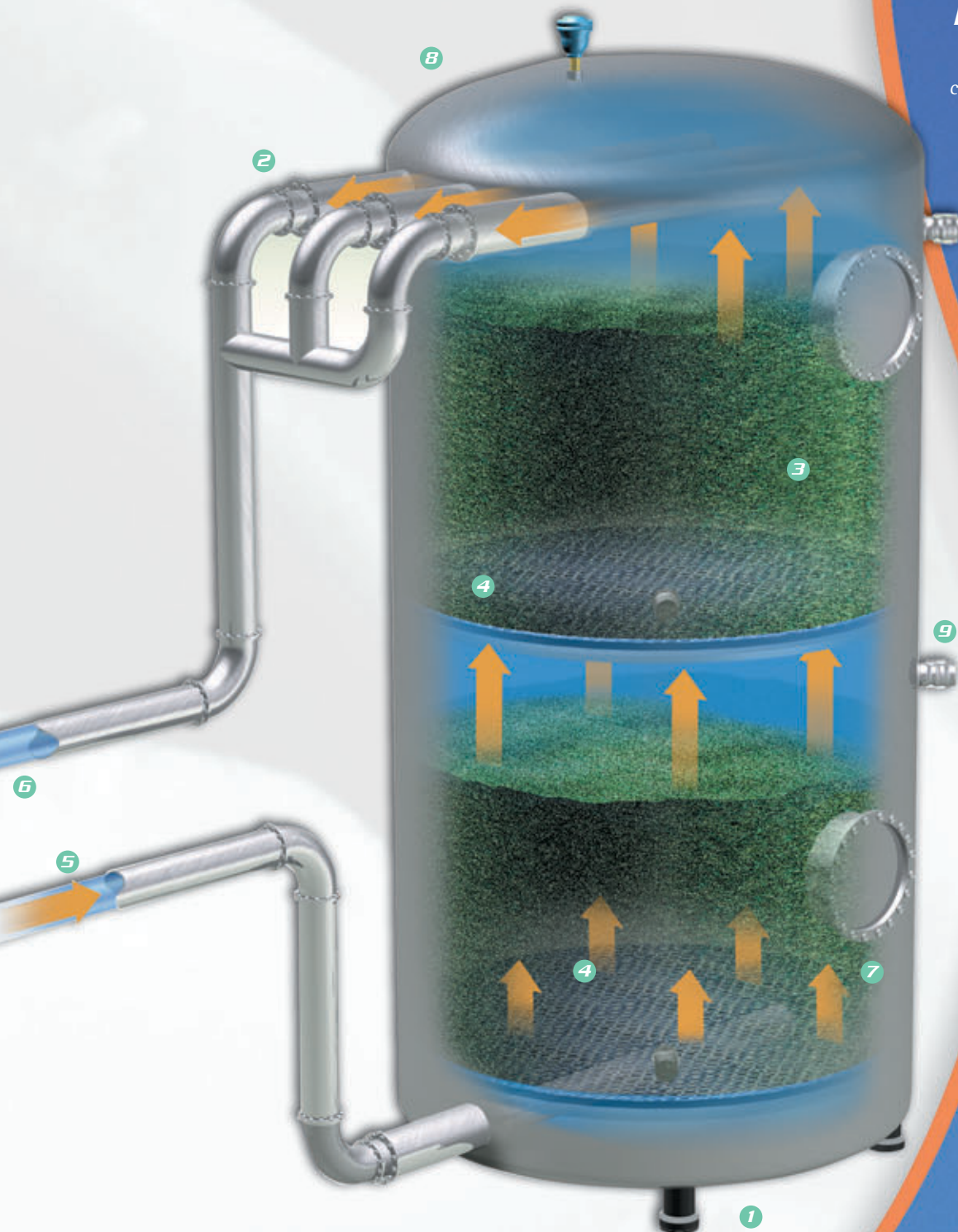
Results of pilot tests conducted by WRT at five different facilities.

Guaranteed process performance made simple.

WRT's radium removal process is designed to be added to any new or existing potable water system. Water is passed in an upflow mode through a fluidized bed of Z-88™ media in the treatment columns, where radium is removed by means of ion exchange. After the media is loaded with radium, WRT removes it from the process vessel and permanently disposes of it in a licensed facility.

***WRT's Z-88™
Radium Removal Process***

Radium-laden water flows up through the column at velocities that slightly expand the bed of Z-88™ media, which is NSF standard certified for use in drinking water.



- 1 Stainless Steel Process Vessel
- 2 Stainless Steel Process Piping
- 3 Z-88™ Treatment Media
- 4 Flow Distribution Plate
- 5 Source Water
- 6 Treated Water
- 7 Access Ports
- 8 Pressure Valve
- 9 Media Valves

***For more information,
please visit
www.wrtnet.com***

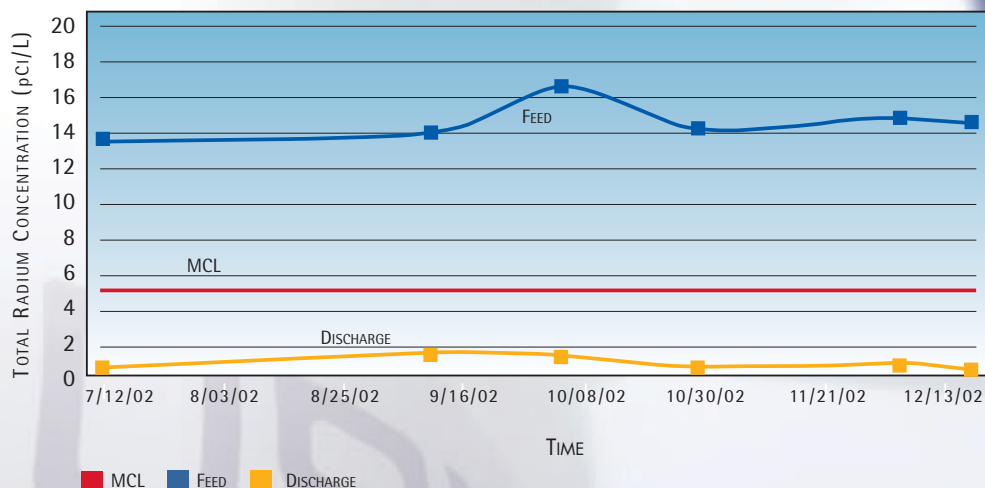
Pilot Programs: WRT's on-site successes.

At facilities across the country, pilot studies have demonstrated the effectiveness of WRT's process at reducing radium levels to well below the MCL. Depending on a facility's needs, WRT can provide portable or mobile units for pilot tests. The purpose is to demonstrate the technology, determine media life, establish operating costs and—when applicable—fulfill piloting requirements for regulatory approval.

- WRT provides delivery and setup of self-contained, ready-to-operate units
- Operator training provided
- All necessary supplies and equipment are included
- Length of pilot test is typically 1 - 3 months
- Utility monitors operation and collects samples

Upon completion of a pilot study, we will prepare a report of the results and a detailed cost proposal for the design, delivery and maintenance of a full-scale system. All processes and services are provided by WRT, eliminating a capital equipment investment by the customer.

To view case studies, pilot study reports and pilot studies in progress, visit wrtnet.com



WRT's Z-88 process consistently reduced radium levels as high as 17.8 pCi/L to below the MCL of 5 pCi/L.



WATER REMEDIATION TECHNOLOGY, LLC.
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