

ORIGINAL

ILLINOIS POLLUTION CONTROL BOARD

November 5, 2004

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STATE OF ILLINOIS
Pollution Control Board

IN THE MATTER OF:)	
)	
REVISIONS TO RADIUM WATER QUALITY)	R04-21
STANDARDS: PROPOSED NEW 35 ILL. ADM.)	Rulemaking - Water
CODE 302.307 and AMENDMENTS TO)	
35 ILL. ADM. CODE 302.207 and 302.525)	

CUMULATIVE EXHIBIT LIST

First Hearing: April 1, 2004, Chicago

Exhibit 1: A map of the public water supply intakes in the State of Illinois, Illinois Environmental Protection Agency (Agency) Division of Public Water Supplies, Groundwater Section, March 2004.

Exhibit 2: A map of the radionuclide MCL violations for Illinois community water supply facilities, Agency Division of Public Water Supplies, Groundwater Section, 2001.

Second Hearing: May 6, 2004, Springfield

Exhibit 3: Pre-filed testimony of Mr. Dennis Duffield, P.E., on behalf of the City of Joliet (referred to as Exhibit 1 on page 22 of the May 6, 2004 hearing).

Third Hearing: August 25, 2004, Springfield

Exhibit 4: Pre-filed testimony of Theodore G. Adams on behalf of Water Remediation Technology, LLC (WRT), with Exhibits A through J attached.

Exhibit 5: Pre-filed Testimony of Charles Williams on Behalf of Water Remediation Technology, LLC, with Exhibits 1 through 3 attached.

Exhibit 6: Figure 4 of Mr. Williams' pre-filed testimony, entitled Reverse Osmosis Radium Removal Process, including handwritten values indicating the radium concentration per gram of the precipitant used by WRT and radium concentration of the reject water.

Exhibit 7: Figure 8 of Mr. Williams' pre-filed testimony, entitled Hydrous Manganese Oxide Radium Removal Process, including handwritten values indicating the radium concentration per gram of the precipitant used by WRT.

Exhibit 8: Figure 6 of Mr. Williams' pre-filed testimony, entitled Ion Exchange Radium Removal Process, including handwritten values indicating the radium concentration per gram of the precipitant used by WRT and radium concentration of the rinse water.

Exhibit 9: Figure 11 of Mr. Williams' pre-filed testimony, entitled Absorbent Media Radium Removal Process, including handwritten values indicating the radium concentration per gram of loaded media used by WRT.

Exhibit 10: "Effects of Ionizing Radiation on Aquatic Organisms," National Council on Radiation Protection and Measurements Report No. 109, Aug. 30, 1991.

Exhibit 11: Copy of letter from Mr. Steven C. Collins from the Division of Nuclear Safety of the Illinois Emergency Management Agency to Mr. Charles S. Williams, President of WRT, regarding WRT's understanding of the removal and disposal of radium in drinking water.

Exhibit 12: The Agency's responses to questions pre-filed by the Sierra Club and Environmental Law & Policy Center to the Agency.

Fourth Hearing: October 21 and 22, 2004

Exhibit 13: Amended testimony of Dr. Brian Anderson, on behalf of WRT Environmental. This testimony amends the Pre-filed testimony of Dr. Brian Anderson and Ms. Angela Tin filed by WRT Environmental on October 8, 2004.

Exhibit 14: Amended supplemental testimony of Mr. Theodore G. Adams, on behalf of WRT Environmental, including Attachments A through I. This testimony amends attachments A, B, and E of the Pre-filed supplemental testimony of Mr. Theodore Adams filed by WRT Environmental on October 8, 2004.

Exhibit 15: "A Graded Approach for Evaluating Radiation Doses to Aquatic and Terrestrial Biota (DOE-STD-1153-2002)," for Use in DOE Compliance and Risk Assessment Activities, U.S. Department of Energy, Domotor, Stephen, July 2002.

Exhibit 16: Sections 4, 5, and 8 of "Toxicological Profile for Radium," U.S. Public Health Service in collaboration with the U.S. Environmental Protection Agency, December 1990.

Exhibit 17: Application of R.M.D. Operations, LLC for a new radioactive material license, Illinois Department of Nuclear Safety, September 23, 2004.