



Arkansas Department of Health

4815 West Markham Street • Little Rock, Arkansas 72205-3867 • Telephone (501) 661-2000

Governor Mike Beebe

Paul K. Halverson, DrPH, FACHE, Director and State Health Officer

November 29, 2007

Michael J. Thompson
Director, Pesticide Division
Arkansas State Plant Board
P.O. Box 1069
Little Rock, AR 72203

Dear Mr. Thompson:

On the basis of a review of the groundwater sampling data collected on 08/08/07 and 10/30/07, by the Arkansas State Plant Board for domestic well Clay-05 in Knobel, AR, the Arkansas Department of Health (ADH) has determined that the levels of Metolachlor and Bentazon in this well pose ***no apparent public health hazard***.

ADH, under a cooperative agreement with the Agency for Toxic Substances and Disease Registry (ATSDR), screened the data that was submitted using ATSDR Health Comparison Values for groundwater/drinking water ingestion. Comparison values are substance concentrations set well below levels that are known or anticipated to result in adverse health effects. The ATSDR Health Comparison Value for Metolachlor is 2,000 micrograms per liter, or parts per billion (ppb) for a child and 5,000 ppb for an adult. The ATSDR Health Comparison Value for Bentazon is 300 ppb for a child and 1,000 ppb for an adult. The highest reported values of Metolachlor and Bentazon (0.40 ppb and 0.24 ppb, respectively) fall well below these comparison values. Therefore, no further action for domestic well Clay-05 is needed at this time. Should future tests detect levels at higher concentrations for this or surrounding wells, please do not hesitate to contact us again with the new data information.

Thank you for allowing ADH the opportunity to work with your agency on this site. Please feel free to contact me at 501-661-2936, or our health assessor, Ashley Whitlow at 501-280-4041, if you have any questions.

Sincerely,

Lori Simmons, M.S.
ADH Sr. Epidemiologist
ATSDR Program Manager
Environmental Epidemiology

Ashley Whitlow, M.S.
ADH Sr. Epidemiologist
ATSDR Health Assessor
Environmental Epidemiology

cc: Shirley Louie, M.S., CIH, Associate Epidemiology Branch Chief, ADH
Carrie Poston, B.S., CHES, ATSDR Public Health Education Supervisor, ADH

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