

November 24, 2009

MEMORANDUM

TO: Dwayne Peterson, Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygienist *HA*
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
B & C Grocery
829 Whittemore Rd. (BC-08)
Graham, Alamance County
NONCD0002837

A water sample was collected from the water supply well at the subject address on October 27, 2009. Chloromethane was detected at a concentration that does not exceed its applicable standard. The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (NC 2L). A health-based concentration was calculated for iron..

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation the water from this well can be used for drinking, cooking and all other residential purposes listed above.** The table below compares the detected contaminant concentrations with the applicable standards:

Sample #	Chemical	10/27/2009 Concentrations Ug/l	NC 2L Ug/l
KJ28038-011	Chloromethane	0.83	2.6