



Arkansas Department of Health

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February 16, 2012

Mr. James Allison
Carroll-Boone Water District
11510 HWY 187
Eureka Springs, AR 72631

response from ADH TO Jim's letter 12/13/11

RE: NSF/ANSI Standard 60 for Fluoride Chemicals
Response to Letter dated February 3, 2012

Dear Mr. Allison:

First off, I would like to apologize that no one responded to your letter of December 13, 2011.

The Arkansas Department of Health requires that all water treatment additives to be certified by NSF/ANSI Standard 60. Fluorosilicic Acid, Sodium Fluorosilicate, and Sodium Fluoride are all chemicals that are available in purities that meet certification of NSF Standard 60. NSF information should be supplied by the supplier of the chemical.

Potential impurities in fluoride chemicals include but are not limited to, arsenic, copper, lead, and radionuclides. NSF test results have concluded that fluoride chemicals do not add a measurable amount of these contaminants.

We would like to point out that other commonly used water treatment chemicals such as lime, aluminum sulfate, and chlorine potentially contain impurities, which is why the Arkansas Department of Health requires NSF certification for all water treatment chemicals.

I have attached a report titled, *NSF Fact Sheet on Fluoridation Chemicals* that you may find useful. This document can be found at www.cdc.gov/fluoridation. It explains the process of NSF Standard 60 testing and outcomes for fluoridation chemicals.

Sincerely,

Charlie Holt, E.I.
District I Engineer
ADH Engineering Section

Enclosures: NSF Fact Sheet on Fluoridation Chemicals

LJ:GAG:CSC:CBH:cbh

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