

Becky Woodruff
2782 Sterret Road
Calera, OK 74730

Western Oregon University
Department of Chemistry
Monmouth, OR 97361

RE: Severe water stains

To Whom It May Concern:

I am writing to you with a request to analyze my water system in order to determine what is causing a very severe discoloration in my shower stall and bathtub. There is a slow drip in my tile shower and the dark blue stains run along the lower part of the shower where it splashes, and on the shower floor. The bathtub is in a different part of the house and has a dark blue stain where the faucet drips down the side of it.

I've tried cleaning the stains with everything I can think of. I've used diluted bleach, straight bleach, Comet cleanser, Tilex, CLR, Orange cleaner paste, scour pads, gas and varnish remover! As a last resort I tried food grade peroxide - straight. The stain bubbled and fizzed and then turned a horrible dark brown color. So now, instead of bright blue stains, I have a huge, ugly brown stain that won't budge!

Would your department be willing to test my water to see what is causing the blue discoloration? I would like to know what it is that is in my water system and determine the cause, concentration and whether or not it is a health hazard for me and my pets. I'd also like to know what I can use to get rid of the stains!

The water comes from a well on 55 acres in Southern Oklahoma. The property was formerly used as a horse farm and then for cattle grazing.

I will eagerly await a response from someone in your Department.

Sincerely,

Becky Woodruff