



September 21, 2016

Joseph Timm
W19146 Marsh Road
Biramwood, WI 54414

SUBJECT: Arsenic Treatment System Annual Maintenance for Residence Located at
W19146 Marsh Road, Birnamwood, Wisconsin

Dear Mr. Timm,

In June 2015, an arsenic treatment system was installed by Culligan at your residence to mitigate threats posed by arsenic contamination from the adjacent property owned by the Town of Aniwa (Town). The adjacent property is currently an open environmental repair (ERP) case Aniwa Arsenic Site, BRRTS # 02-59-000198. The treatment system is a point of entry system that treats arsenic in the well water entering your residence that was exceeding the Wis. Admin. ch. NR 140 groundwater standard and EPA's Maximum Contaminant Level for arsenic.

As indicated to you and the Town of Aniwa in a letter issued by EPA on June 1, 2015, annual maintenance of the system is needed by Culligan to ensure the system continues to work effectively. Operation and maintenance of the system is the property owner's responsibility and maintenance costs are the obligation of the Town of Aniwa, per the agreement with EPA and DNR. Please refer to the attached letter for the agreement and maintenance schedule.

Please arrange a time with Culligan to get the treatment system serviced, so any annual maintenance that is needed can be completed. The phone number for the local Culligan location in Shawano is 715-526-2220. As indicated above, costs for the maintenance will be the Town's obligation. If you have any questions for the Town, please contact the Town Clerk Tammy Resch at (715) 449-2351 or at tammy@reschinsurance.com. If you have any questions for me, please contact me at (920) 662-5178 or at tauren.beggs@wisconsin.gov.

Sincerely,

Tauren R. Beggs
Hydrogeologist
Remediation & Redevelopment Program

Attachment

cc: Tammy Resch, Town Clerk (electronic: tammy@reschinsurance.com)
Warren Hohn, Town's Consultant (electronic: whohn@co.lincoln.wi.us)
Jaime Bodden, Shawano-Menominee Counties Health Dept (electronic: jaime.bodden@co.shawano.wi.us)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

June 1, 2015

Joseph Timm
Property owner
W19146 Marsh Road
Biramwood, WI 54414

Dan Lex
Chairman, Town of Aniwa
N10750 Sugarbush Road
Biramwood, WI 54414

RE: Point of Entry Water Treatment System for W19146 Marsh Road

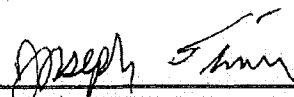
U.S. EPA's Emergency Response Branch is preparing to mitigate the threats posed by abandoned arsenic pesticides at the Aniwa Arsenic Site located on Marsh Road between the Towns of Aniwa and Biramwood in Shawano County, Wisconsin. As part of the EPA time critical removal action, EPA proposes to install a point of entry water treatment system ("POE system") for the residence located at W19146 Marsh Road. EPA sampling conducted on March 4, 2015 confirmed that arsenic concentrations in the well water entering the residence exceed the EPA Maximum Contaminant Level.

If the system is accepted by the property owner, EPA will purchase and pay for the cost of installation of a DSPS/WDNR approved POE system. The system will address all contaminants identified by EPA sampling. Following installation of the system, EPA will collect additional samples to verify the performance of the system.

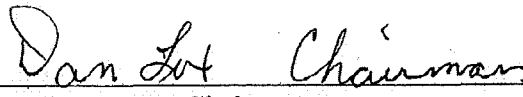
EPA will provide the property owner an operation manual for the system. Once EPA establishes proper performance of the POE system, operation and maintenance of the system will be the property owner's responsibility. A summary of the manufacturer's recommended maintenance is attached. The estimated cost for maintenance is \$250-2,000 per year, depending on the extent of service needed. Arrangements can be made with Culligan to check the system annually and perform the required maintenance. Maintenance costs are the obligation of the Town of Aniwa, per their Consent Decree and subsequent agreement with WDNR. WDNR will determine when the system is no longer needed and the Town's obligation is fulfilled. This determination will be based on future sampling conducted by the Town.

Please contact Kathy Halbur, EPA On-Scene Coordinator, halbur.kathy@epa.gov, 920-634-9072, with any questions about the POE system or EPA's removal action. Please contact Jaime Boden, Shawano-Menominee County Health Department, jaime.bodden@co.shawano.wi.us, 715-526-4808, with any health related questions.

By signing below, you accept the POE system and agree to follow the manufacturer's recommendations regarding operation and maintenance of the system.



Joseph Timm, Property Owner



Dan Lex, Town Chairman

The following maintenance schedule was compiled from the owner's manuals for each component of the arsenic water treatment system. Actual maintenance schedule will be dependent on water usage and any recommendations provided by the installer and maintenance personnel.

Reduces Arsenic III (Gold Arsenic Reduction System Manual)		
Component	Suggested Inspection Frequency	Reason for Maintenance
Media (Arsenic Filter)	Test for arsenic after 1 year and every 3-months thereafter until filter is replaced. [†]	Replace when arsenic can no longer be removed. Manufacturer suggested useful lifetime is 75,000-gallons.

[†] = Based on the average 2-person water use of 200-gallons a day (USEPA calculated average)

Water Softener with Bacteria Reduction (Gold Service Manual & Softener Clear Plus Manual)		
Component	Suggested Inspection Frequency	Reason for Maintenance
Brine Softener	Monthly or less depending on use.	Ensure proper amount of salt to soften water
Entire System	At Start-up, after infrequent use (idle for one week or more) or every 3-6 months if on a private water supply.	On private supplies, the appearance of off-tastes and odors, particularly if must or "rotten egg" (caused by harmless sulfate-reducing bacteria) may indicate a need for the system to be sanitized.
Backwash Flow Controller	Every 12 months or every time service is performed on the system.	Build up of sediment, iron and/or other foreign materials (found in some water supplies but not necessarily all) could negatively affect system performance. Monitor item for normal or unexpected wear.
Brine educator nozzle and throat	Every 12 months or every time service is performed on the system	Build up of sediment, iron and/or other foreign materials (found in some water supplies but not necessarily all) could negatively affect system performance. Monitor item for normal or unexpected wear.
Softening Media	Every 2-3 years	Chlorinated water supplies can breakdown and destroy resin material. Resin material may also perform poorly if subjected to other materials (sediment, iron, aluminum, etc.) found in some water supplies (but not necessarily all).