



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  
Birnamwood, WI 54414

Dan Lex  
Chairman, Town of Aniwa  
N10750 Sugarbush Road  
Birnamwood, 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 Birnamwood 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.

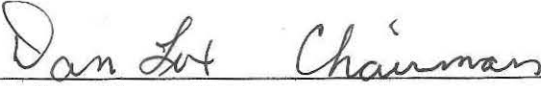
If the system is accepted by the property owner, EPA will purchase and pay for the cost of installation of a DSPS/WDNR approved POE system. The system will address all contaminants identified by EPA sampling. Following installation of the system, EPA will collect additional samples to verify the performance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

<b>Reduces Arsenic III</b> (Gold Arsenic Reduction System Manual)		
<b>Component</b>	<b>Suggested Inspection Frequency</b>	<b>Reason for Maintenance</b>
Media (Arsenic Filter)	Test for arsenic after <b>1 year and every 3-months thereafter until filter is replaced.</b> †	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)

<b>Water Softener with Bacteria Reduction</b> (Gold Service Manual & Softener Cleer Plus Manual)		
<b>Component</b>	<b>Suggested Inspection Frequency</b>	<b>Reason for Maintenance</b>
Brine Softener	<b>Monthly or less</b> 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 <b>every 3-6 months</b> 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	<b>Every 12 months</b> 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	<b>Every 12 months</b> 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	<b>Every 2-3 years</b>	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).