MY WATER SMELLS LIKE SWAMP OR BOG WATER												
POSSIBLE PROBLEM	HEALTH CONCERN?	OTHER CLUES & CONSIDERATIONS	CONFIRM IT	POSSIBLE FIXES	LICENSE REQUIRED FOR FIX?	STATE FUNDS?	MORE INFO					
Sulfur Bacteria See <u>Sulfur</u> <u>Bacteria</u> brochure.	No, sulfur bacteria are not a threat to human health and there is no drinking water standard. Hydrogen Sulfide Gas can be harmful to humans, but not at the levels produced by bacteria in wells.	Sometimes odors are more noticeable after a period of low water use. There are two types of bacteria that cause odors: sulfur-oxidizing and sulfur-reducing. Hydrogen sulfide gas (produced by sulfur-reducing bacteria) is highly corrosive and can damage plumbing connections, metal piping and well casing. Some sulfur bacteria form deposits that can clog a well screen and pump piping.	Sulfur bacteria samples are difficult to collect and take a long time to analyze. You may wish to have your water tested for iron bacteria instead. Laboratories certified to test for coliform bacteria may also test for iron bacteria Ask the lab.	Periodic shock chlorination	No, but licensed Well Drillers or Pump Installers have the knowledge and equipment.	No	See <u>Bacteriological</u> <u>Contamination</u> <u>of Drinking</u> <u>Water Wells</u> brochure.					
				Increase water heater temperature temporarily and drain tank	No, but do not attempt unless water heater has a pressure relief valve.	No	This will reduce, but not eliminate sulfur bacteria.					
				Replace magnesium anode rods in heater with zinc or aluminum rods if the problem appears to be only with the hot water	No, but recommend a <u>licensed plumber</u> .	No	This will reduce, but not eliminate sulfur bacteria.					
				Continuous pellet chlorination	Licensed <u>Pump</u> <u>Installers</u> or well owners must install. DNR recommends that license holders install.	No	Requires advance DNR approval. See Pellet Chlorination application.					

MY WATER SMELLS LIKE SWAMP OR BOG WATER, CONTINUED											
POSSIBLE	HEALTH	OTHER CLUES &	CONFIRM	POSSIBLE	LICENSE REQUIRED	STATE	MORE				
PROBLEM	CONCERN?	CONSIDERATIONS	IT	FIXES	FOR FIX?	FUNDS?	INFO				
Hydrogen	Not likely at	Does the water stink	There is	Install a	Yes, treatment devices	No	<u>United</u> <u>States</u>				
sulfide	the levels	when it is drawn	no water	Dept. of	must be installed by		<u>Geological</u>				
(naturally-	found in	directly from the	test for	Safety and	<u>licensed plumbers;</u> or		<u>Survey</u>				
occurring)	groundwater.	well?	hydrogen	Professional	in some cases may be						
			sulfide.	Services	installed by the		<u>National</u>				
See the				<u>approved</u>	owner\occupant of a		Ground Water				
<u>Michigan</u>				<u>water</u>	single family private		<u>Association</u>				
Dept. of				<u>treatment</u>	residence. See						
Environmental				<u>device</u> -	plumbing license laws.		<u>Water</u>				
<u>Quality</u>				from the search			<u>Systems</u>				
brochure on				dropdown, select products;			<u>Council</u>				
hydrogen				then from the							
sulfide				type of product			<u>National</u>				
				dropdown,			<u>Sanitation</u>				
				choose plumbing			<u>Foundation</u>				
				products and							
				from the select			Center for				
				product			<u>Watershed</u>				
				description			Science and				
				dropdown, choose water			Education, UW-				
				treatment			Stevens Point				
				device.							