



WATER QUALITY

NWO WELL SERVICES

(A SUBSIDIARY OF AEGIS GROUP)

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PATHOGENS

- BACTERIA, VIRUSES, AND PROTOZOA CAN BE PRESENT IN YOUR WELL WATER AND THEY CAN BE HARMFUL TO YOUR HEALTH
- THE FIRST STEP TOWARDS PREVENTING ILLNESS CAUSED BY THESE PATHOGENS IS TO MONITOR YOUR WATER
- IF YOU KNOW YOU HAVE A PROBLEM, CONTACT US AND WE CAN INVESTIGATE THE CAUSE
- SHOULD THE WATER TABLE ITSELF BE THE SOURCE OF THE PATHOGENS, MODERN UV STERILIZERS, WHEN PROPERLY INSTALLED ARE AN INEXPENSIVE WAY TO MAKE YOUR WATER SAFE
- AUTO SHUT-OFF CAPABLE UV STERILIZERS ALSO ACT AS A “FAIL-SAFE” METHOD OF PROTECTING YOUR DRINKING WATER

HARDNESS

- HARD WATER IS OFTEN DIFFICULT TO USE, AS IT TASTES STRANGE, CAN DAMAGE LAUNDRY, APPLIANCES, FIXTURES, AND PLUMBING
- HARD WATER IS EASY TO DIAGNOSE, AND SIMPLE TO ADDRESS WITH POINT OF ENTRY WATER SOFTENERS

MANGANESE

- SMALL AMOUNTS OF DISSOLVED MANGANESE CAN BE TREATED WITH A SOFTENER
- LARGE AMOUNTS OF DISSOLVED MANGANESE CAN BE TREATED WITH A DEDICATED ION EXCHANGE FILTER
- ANY AMOUNT OF PRECIPITATED MANGANESE CAN BE REMOVED WITH MECHANICAL FILTRATION

IRON AND IRON BACTERIA

- SMALL AMOUNTS OF DISSOLVED IRON CAN BE TREATED WITH A SOFTENER
- LARGE AMOUNTS OF DISSOLVED IRON CAN BE TREATED WITH A DEDICATED ION EXCHANGE FILTER
- ANY AMOUNT OF PRECIPITATED IRON CAN BE REMOVED WITH MECHANICAL FILTRATION

- IRON BACTERIA IS A DOUBLE HEADED PROBLEM IN THAT YOU MUST DEAL WITH BOTH THE SLIME AND THE IRON

- CURRENTLY THE BEST WAY FORWARD WITH HEAVY IRON BACTERIA IS REGULAR WELL TREATMENTS IN ADDITION TO MECHANICAL FILTRATION AND ION EXCHANGE TREATMENT

SULFUR

- SULFUR, WHILE DISGUSTING IN EVEN SMALL AMOUNTS CAN BE TREATED WITH SPIROVENTS, PEROXIDE FEEDS, AND CARBON FILTERS
- UNFORTUNATELY SULFUR IN YOUR WELL WATER IS MORE OFTEN THAN NOT ONLY SOMETHING THAT CAN BE MITIGATED AND NEVER FULLY REMOVED

GASES (OTHER THAN SULFUR)

- ODOURLESS GASES CAN BE DANGEROUS AND SHOULD BE TESTED AND REPORTED TO THE MINISTRY OF ENVIRONMENT AND CLIMATE CHANGE
- OFTEN ODOURLESS GASES ARE ONLY TEMPORARY OR SEASONAL

SALINITY

- SALT IN YOUR WELL CAN BE VERY COSTLY AND SOMETIMES IMPOSSIBLE TO MITIGATE
- UP TO 500 mg/L CAN BE TREATED INEXPENSIVELY, WHILE 500-5000 mg/L CAN BE TREATED EXPENSIVELY, AND ANYTHING OVER 5000 mg/L IS GENERALLY TOO EXPENSIVE TO DEAL WITH

CONTAMINANTS

- FERTILIZER, SEPTIC EFFLUENT, AND FUEL ARE COMMON TYPES OF CONTAMINANTS THAT HAVE BEEN FOUND IN WELLS
- YOU WOULD NEVER WANT TO BE IN THIS SITUATION, THE KEY IS PREVENTING THIS SCENARIO BY PROTECTING YOUR WELL

