

## Standard Operating Procedures (SOP) for Iron Based Sorbent (IBS) Systems

### General information:

These systems are designed to remove arsenic as well as some other contaminants like antimony and uranium. The media adsorbs the contaminants onto its surface. The media cannot be regenerated and, therefore, has a fixed capacity. This means the media will need to be replaced periodically. The frequency of replacement will depend on the volume of water used. It is important not to waste water. All leaks, like dripping faucets and running toilets, should be repaired immediately. Any water that is not to be consumed by occupants, like irrigation water, should not go through the treatment system.

### Sampling:

Water testing should be done at least quarterly or more often if required by regulations. Before taking the sample, run approximately 16 oz. of water through the sample port. Samples should be taken at the sample port between the first tank (or set of tanks) and the second tank (or set of tanks).

### Records:

A log should be kept of water usage and pressure gauge readings for the system. These readings should be taken at the time of water sampling. There are three pressure gauges on each system. The pressure readings need to be taken at the time of peak flow. Systems that deliver treated water directly to an atmospheric (non-pressurized) storage tank should have the pressure readings taken while the tank is being filled.

If you have any questions about this information, please contact Air & Water Quality at 800.698.9655