

Montana Law Enforcement Academy

Case Story of Success

Montana LEA Retrofits Water Storage Tank with AquaBlend™ Compressed Gas Mixing System to Prevent Freezing and Preserve Potable Water Quality

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| Location: Helena, MT | Solution: AquaBlend™ Compressed Gas Mixing |
| Design Engineer: Anderson Montgomery | Design Capacity: 60,000 Gallons |
| Application: Potable Water Storage | Compressors: One (1) 2 HP Rotary Screw |
| Mixing Efficiency: 0.03 HP/1000 Gallon | Quantity of Mixing Nozzles: 1 |

As part of the water system upgrade at the Montana Law Enforcement Academy in Helena, MT EnviroMix's AquaBlend™ Compressed Gas Mixing technology is utilized to provide active mixing of the facilities elevated water storage tank. The Montana Law Enforcement Academy provides year round law enforcement and public safety educational and training programs. Therefore, having reliable water availability for potable use and fire protection is paramount.

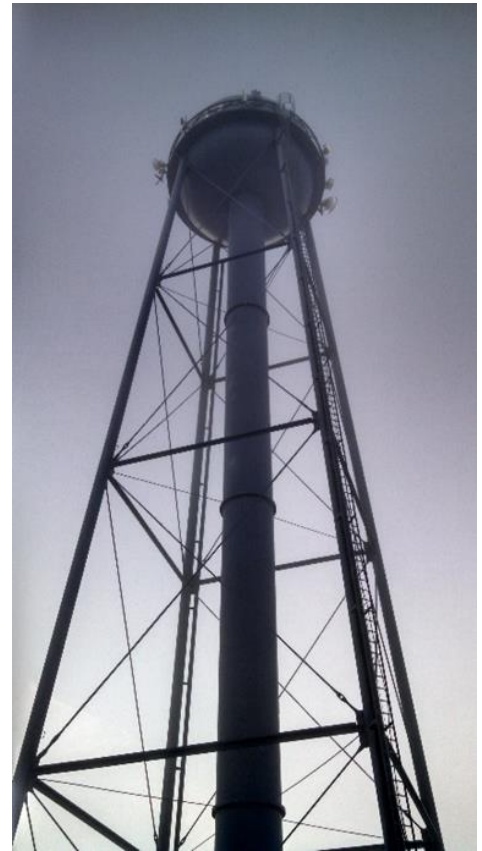
EnviroMix's AquaBlend™ Compressed Gas Mixing System utilizes a medical grade air compressor and filtration system, to ensure 100% clean pure air and is installed in the pump house along with an automated control panel. The bubble forming nozzle installed at the base of the riser of the water storage tank fires intermittent bursts of air to actively mix the tank contents.

The AquaBlend™ System is designed to provide continuous liquid movement to prevent ice buildup in the extreme cold climate ensuring essential fire protection capability. In addition, it prevents stagnation, stratification, and short-circuiting issues, thus preserving the water quality.

The AquaBlend™ System is truly a reactive mixing system that can be programmed to respond to water system needs as seasonal demands occur or water quality changes. The system has no in-tank moving components that require maintenance and the control system provides visual and audible feedback of operating function.

Unlike other mechanical mixing systems that require in-tank maintenance and subsequent tank cleaning and disinfection, AquaBlend™ in tank components will not require maintenance and are conveniently located in the base of the riser, versus in the difficult to access elevated tank.

EnviroMix's AquaBlend™ Compressed Gas Mixing System provides straightforward and low maintenance mixing to preserve water quality and provide freeze protection at the Montana Law Enforcement Agency.



AquaBlend™ Compressed Gas Mixing System Advantages

- Bottom up mixing in any size tank
- No submerged electrical components
- Maintenance free in-tank components
- Easy access to maintenance items
- Very low energy consumption
- Preserves water quality
- Provides freeze protection