

Fluoride Chemical Storage Tank Radar Level Sensor



When a municipal water treatment plant needed reliable level measurement of their fluoride bulk storage tanks, they turned to Flowline. Fluoride is commonly injected into the nation's drinking water to prevent tooth decay. In higher concentrations, fluoride is highly vaporous and corrosive. The plant had used a different brand of ultrasonic sensors with poor performance, because the thick vapor would absorb the acoustic signal, and periodically cause the sensors to lose track of the level. For this reason, Flowline suggested the use of our pulse radar level sensors that are unaffected by vapor or corrosion. The [pulse radar sensors](#) provide continuous level data to the SCADA system, which in turn, provides inventory and alarms to the operators. The 316L sensor has a PTFE antenna shield and coated aluminum enclosure for corrosive media. Flowline is reliable level measurement.