

ChemScan<sup>®</sup> At-Tank<sup>™</sup>  
Nutrient Analyzer System  
For  
SBR Phase Analysis

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## ChemScan Nutrient Analyzer Operating on SBR Process

A ChemScan UV-4100 was installed in a sequence batch reactor (SBR) process in Northern Florida. The sample is drawn directly from the SBR tank throughout the treatment process using a Cyclic Filter at the end of a pivoting wand mounted to the tank wall.



The analysis of nitrite, nitrate, ammonia and orthophosphate is performed every 15 minutes. Each batch consisting of an anaerobic phase, aeration phase, settle phase and decant phase. The process was operation with a continuous raw water influent flow during this period.

The first graph displays the data over about 36 hours of operation. Each batch takes about 6 hours.

