



### **SCDHEC Certified Laboratories**

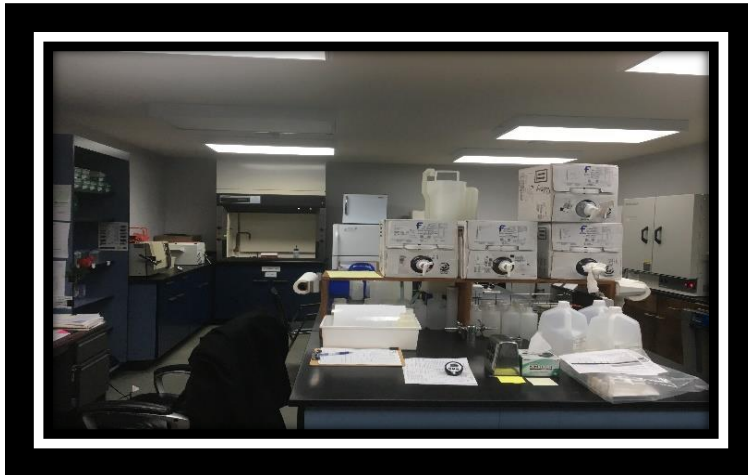
The City of Dillon has three SCDHEC certified laboratories. The Dillon Environmental laboratory is responsible for analyzing parameters for the Safe Drinking Water Act according to EPA and SCDHEC regulations. The Safe Drinking Water Act was established for testing potable drinking water to ensure that consumers are provided safe drinking water. The Safe Drinking Water Act parameters that the Dillon Environmental lab is certified for are Total Residual Chlorine, pH, Total Coliform/E. Coli, and Temperature.

The Dillon Environmental Lab is also certified under the Clean Water Act. The Clean Water Act was established for the testing of treated wastewater effluent discharge to ensure that clean and environmentally safe water is discharged from wastewater treatment facilities. The Clean Water Act parameters that the Dillon Environmental Lab is certified for are Total Residual Chlorine, pH, Total Suspended Solids, E. Coli-MPN, Specific Conductance, and Temperature.

The Pee Dee Wastewater Treatment Plant Lab and the Cypress Pond Wastewater Treatment Plant Lab is also certified under the Clean Water Act. The parameters that the Pee Dee WWTP Lab and the Cypress Pond WWTP Lab are certified for are pH, Dissolved Oxygen (DO), and Temperature. Other in-house tests are performed for daily operation and control.

SCDHEC Office of Laboratory Certification conducts a laboratory inspection for each lab every three years. Analysis records, lot# records, yearly employee training records, monthly reports, standard operating procedures (SOPs), and testing/quality control procedures are reviewed. Each lab must be recertified yearly for each parameter under the Safe Drinking Water Act and/or Clean Water Act. Each lab is required to purchase, analyze, and report Water Studies (WS) for parameters certified for under the Safe Drinking Water Act and Performance Evaluation (PT) studies for parameters certified for under the Clean Water Act. Samples of unknown values for the Water Studies and Performance Evaluation Studies are purchased from a vendor. The samples of unknown values are analyzed, and results are reported on line to the vendor. The vendor, in turn, sends the results to each lab and to SCDHEC Office of Laboratory Certification. Certification is maintained for each parameter that receives acceptable results in the WS and PT studies. If acceptable results are not received and the issue is not resolved, the laboratory will lose certification for the parameter that received unacceptable results, and the lab will have to reapply for certification for that parameter. Until certification is reinstated, another certified laboratory would have to perform the analysis on the failed parameter. The Laboratory Director oversees the operation and certification of all three laboratories.

## Dillon Environmental Lab



## Pee Dee Wastewater Treatment Plant Lab



## Cypress Pond Wastewater Treatment Plant Lab



