



877-782-6427
www.quanics.net



KANGAROO/PANTRY

The Kangaroo/Pantry truck stop is located at a busy intersection in South Carolina where 3 state roads meet. Truckers go there to fuel their trucks and enjoy the fried chicken known for miles around 24-hours a day. A wastewater system failure threatened to close down this rural oasis.

A plan was developed to resolve their problem which could also be used for other Kangaroo/Pantry Truck Stops. The solution was a Quanics Advanced Treatment System with drip irrigation for discharge.

On a daily basis, 4100 gallons of kitchen and bathroom waste go through a 1500-gallon grease trap and two 5000-gallon septic/settling tanks. This then proceeds to a 5000-gallon ATS dosing tank located a short distance across the highway at the treatment and discharge site. The waste is then timer-dosed to 2 Quanics ATS-16 units. The higher dosing allows for lower loading rates and more advanced treatment of daily influent. The treated effluent splits via a Quanics pressure recirculating device. 80% of the flow repeats the treatment process, while 20% proceeds to a 5000-gallon dosing tank. Inside the dosing tank, a Quanics STEP package moves the effluent to a two-zone drip irrigation dispersal field. Each zone gets an alternating dose of effluent via a distribution valve then goes to the 3100 lineal feet of drip tubing in each zone.

The disposal site has a high water table so advanced treatment and pressure splitting of the flows are a must. The Quanics ATS-16 and the sewage/dosing tanks are all 18" above ground level and covered by a mound.

