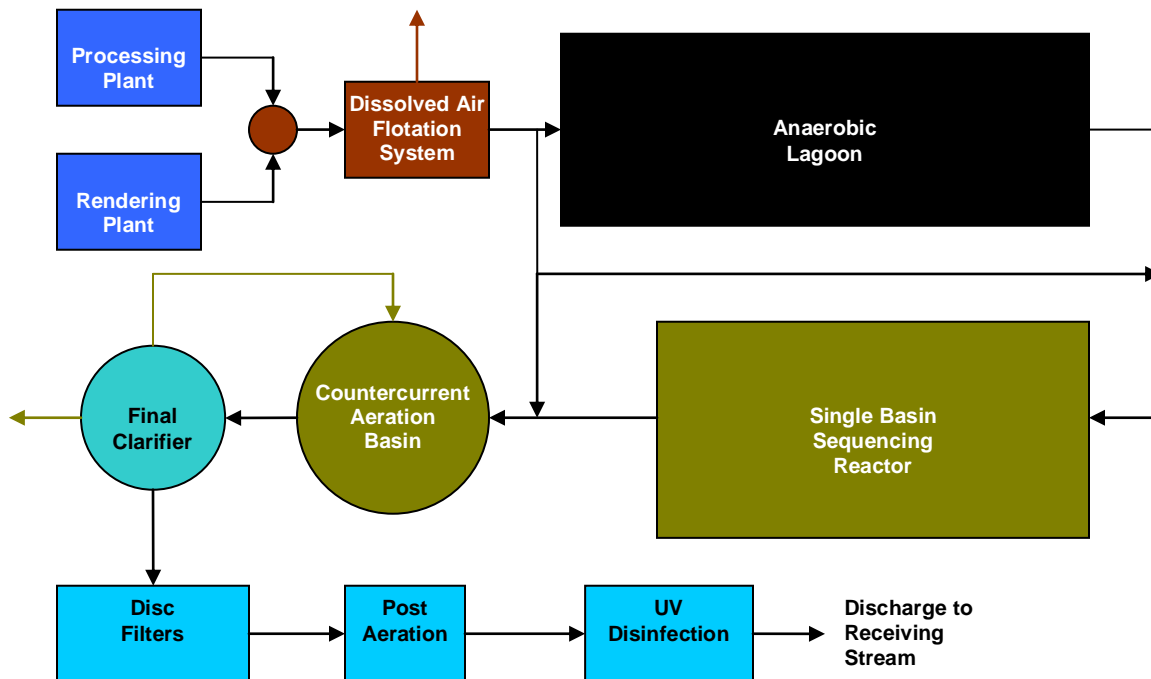


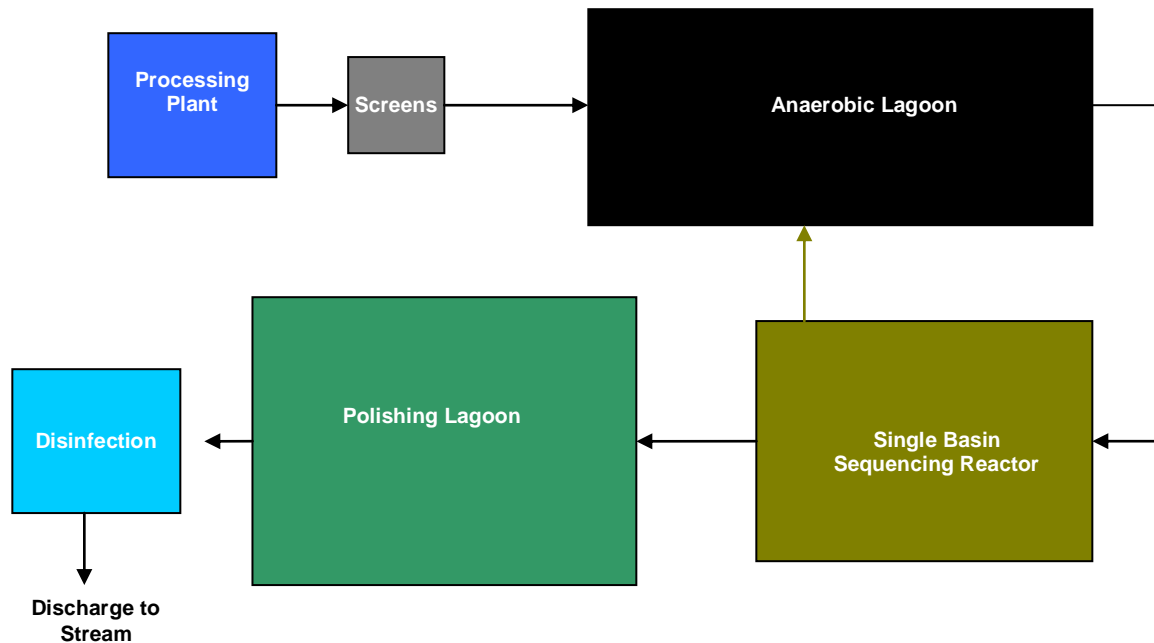
**SIMMONS FOODS POULTRY PROCESSING PLANT
SOUTHWEST CITY, MISSOURI**



In early 1998, Simmons Foods experienced a major upset of their biological treatment system caused by toxicity to sanitation chemicals. rowenvironmental was retained to assist in getting the treatment plant back on-line and to complete an evaluation of alternatives to upgrade the system to protect against such upsets and to increase treatment capabilities and capacity. Following a detailed evaluation of alternatives, rowenvironmental was retained to complete the detailed design of a 1.5 mgd biological treatment system to provide high level pretreatment upstream of the existing system. The upgraded system was placed on line in 1999 and has operated consistently since startup with effluent levels significantly better than the permit limits of 10 mg/l BOD, 15 mg/l TSS, 4 mg/l NH₃N, 10 mg/l NO₃N, and 1 mg/l Total Phosphorus.

Reference: Joe Earney
(501) 524-8151 Ext 415

**CAGLES, INC. POULTRY PROCESSING PLANT
COLLINSVILLE, ALABAMA**

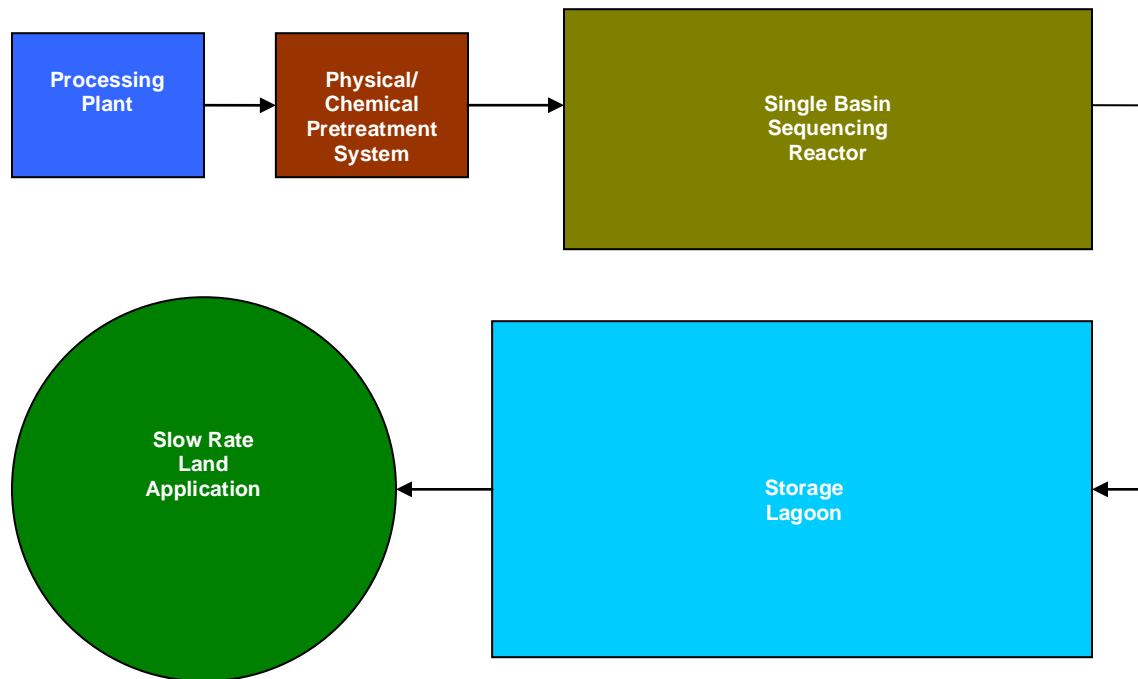


In February, 1995, Cagle's was faced with a requirement to implement improvements to their biological treatment system to meet new permit limits to become effective in June, 1995. Cagle's had been advised by others that the only way to meet new permit limits was to install a new treatment system with costs estimated as high as \$4,000,000.

[rowenvironmental](#) was retained to give a second opinion as to the feasibility of upgrading the existing lagoon based biological treatment system. After a detailed evaluation and presentation of alternatives, [rowenvironmental](#) was retained to complete the detailed design and provide the turnkey installation of equipment to upgrade the existing system at a total cost of less than \$500,000 as compared to the previously suggested cost of \$4,000,000. The 1.5 mgd facility upgrade was completed in May, 1995 and placed on line in time to meet the new permit limits in June, 1995.

Reference: Joey Poe
(256) 524-2147

**PILGRIM'S PRIDE CORPORATION POULTRY PROCESSING PLANT
RUSSELLVILLE, ALABAMA**



Gold Kist was operating a treatment system consisting of physical/chemical pretreatment, aerated lagoons, and slow rate land application of treated wastewater. While the facility generally met permit requirements, periodic odor problems resulted from the spraying of wastewater for land application. Additionally, nitrogen loadings on the land application system were reaching design capacity. rowenvironmental was retained to evaluate alternatives to upgrade the treatment system to reduce the nitrogen loadings to land application and to eliminate odors. Following a thorough evaluation of all alternatives, a unique single basin system for BOD removal and nitrogen reduction was selected. rowenvironmental was subsequently retained to complete the detailed design of the 2.0 mgd system. The system was awarded the Industrial Wastewater Treatment Plant of the Year Award by the State of Alabama.

Reference: Joel Ponders
(205) 332-8900