

## WE SOLVE ODOR!

Take Back Control Of Odors At Your Facility  
Increase Plant Capacity / Reduce Operating Costs



WASTEWATER TREATMENT

### POULTRY PROCESSING



LAPLANTE POULTRY FARM

LaPlante Poultry Farms is an independent chicken processor that processes 7,000 chickens per day and generates 100 m<sup>3</sup>/day of wastewater that is treated with an anaerobic/aerobic process.



### The Challenge/Problem

Prior to SciCorp's involvements the facility faced the following challenges:

- An overloaded wastewater treatment system
- Significant odor generation from
  - Entrails collection and storage tanks
  - Wastewater collection tanks

### SciCorp Treatment Plan and Execution

SciCorp engineers assessed the system and worked with facility operators to modify the WWTP design and to incorporate the use of BIOLOGIC™ SR2 to:

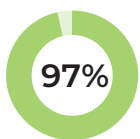
- ✓ Eliminate odors from entrails/blood tanks
- ✓ Eliminate odors from wastewater equalization tanks
- ✓ Enhance anaerobic/aerobic process efficiency while eliminating odors
- ✓ Eliminate odors from sludge storage tanks
- ✓ Improve the nitrification/denitrification process
- ✓ Improve performance of biofilters treating air emissions

### Success

Working with SciCorp, LaPlante was able to improve the entire wastewater treatment system and achieve:



BOD removal efficiency



Ammonia/  
Ntotal removal efficiency



TSS removal



H<sub>2</sub>S reduction

Improved biofilter performance

Increased capacity to absorb peak loads

Increased sludge digestion in equalization tanks

### Problems Avoided

As a result of their partnership with SciCorp, LaPlante Poultry Farm was able to avoid:

- Odor complaints from nearby residents
- Wastewater capacity overload and limitation of chicken processing rates
- High aeration and sludge disposal costs

[WWW.SCI-CORP.NET](http://WWW.SCI-CORP.NET)

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