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FOR IMMEDIATE RELEASE

SciCorp Solves Odor, FOG, and Sludge Challenges While Reducing Operating Costs and Carbon Footprint at Major Poultry Processing Wastewater Plants

(Booth #B38057)

Mississauga, Ontario— SciCorp International Corp., a global leader in natural wastewater optimization technology, today announced the successful turnaround of operations at a large poultry processing wastewater treatment facility facing severe efficiency, environmental, and cost challenges.

Before SciCorp's involvement, the facility struggled with persistent odor, excessive FOG (fat, oil and grease) accumulation, high sludge generation, elevated energy use, and rising chemical and disposal expenses. The plant also faced operational strain, increasing regulatory scrutiny, and potential future capital upgrades due to system overloading.

Key operational issues included:

- Ineffective anaerobic pretreatment lagoons
- Thick FOG accumulation and expensive offsite removal
- Frequent odor complaints from surrounding community
- High aeration energy demand in aerobic treatment
- Significant sludge buildup requiring frequent dredging
- Denitrification and nitrification performance instability
- Overall treatment capacity limitations and escalating operating costs

SciCorp Treatment Strategy and Execution

SciCorp partnered closely with plant operations to deploy a targeted treatment strategy based on **BIOLOGIC™ SR2**, the company's proprietary "smart nature based" biotechnology. The solution included dosing at:

- The inlet of the anaerobic pretreatment lagoons
- The inlet of the sludge storage lagoon

Operational adjustments by plant staff ensured optimal activation of the technology and rapid performance improvement.

Measured Operational Results

Following implementation, the plant recorded substantial system-wide improvements:

- FOG crust in pretreatment lagoons reduced by 80%–90%
- BOD/COD removal improved from 40% to 85%
- Odors eliminated in anaerobic lagoons
- BOD load to aerobic treatment decreased by 80%



- Sludge accumulation in sludge pond dramatically reduced
- Anaerobic lagoon dredging fully eliminated
- Sludge pond dredging frequency reduced by 60%
- Aeration demand was reduced by up to 50%
- Overall plant organic load capacity increased by 50%

These improvements translated into outstanding financial performance, delivering over a **4:1 cost-savings-to-investment ratio**, when calculating long-term maintenance.

Environmental & Carbon Footprint Impact

Beyond operational and cost gains, SciCorp's treatment approach generated major sustainability benefits:

- Energy use in aerobic treatment reduced by up to 50%
- Energy associated with sludge and FOG dredging and offsite disposal eliminated
- Carbon footprint of wastewater operations reduced an estimated 35%–50%

Issues & Costs Successfully Avoided

With the optimized wastewater biology and stabilized system performance, the facility avoided:

- Major future **capital expenditures** due to plant overload
- Restrictions or bans on **land application of sludge**
- Offsite treatment and transport of FOG and sludge
- Increased dredging and disposal costs associated with untreated buildup
- Any disruption to current plant operations

A Sustainable, Scalable Wastewater Solution

"This project represents exactly what modern wastewater treatment should look like—high performance, low operating cost, and measurable environmental benefit," said Derk Maat, CEO of SciCorp. "Instead of investing millions in upgrades, this customer achieved breakthrough performance using a natural, low-cost, and scalable technology."

About SciCorp International Corp.

SciCorp develops and supplies "smart nature based" wastewater treatment solutions designed to improve plant efficiency, eliminate odor, reduce sludge generation, and dramatically lower costs. Its flagship technology, **BIOLOGIC™ SR2**, is used around the world in municipal, industrial, and agricultural wastewater treatment systems seeking both operational improvement and sustainability gains.

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