

Title: Through-Chain *Salmonella* Risk Identification
AECL Project No: 1RD121A
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Keywords

Salmonella; eggs; risk; feed and water; egg collection; grading; washing and packing; egg products; storage and transport; handling and hygiene

Summary

A major reputational and public health issue for the egg industry is the presence of *Salmonella* spp. (particularly some Typhimurium serotypes) throughout the supply chain, which can cause salmonellosis in humans. The presence and spread of *Salmonella* depends on numerous variables so there is no single effective control measure. As no one business through-chain operates similarly, the identification, level and management of risks will vary, which means that there is no one 'best practice'. It is more a case of identified 'appropriate practice'. These issues make the control of *Salmonella* complex and subject to a combination of both real and perceived risks.

The AECL *Salmonella* Initiative has engaged with numerous key stakeholders, including state regulators/health departments, industry associations, egg producers, researchers and technical consultants (including veterinarians).

This is the final report for the first 12 months of the AECL *Salmonella* Initiative. It sets out a series of risk identification tables to assist all through-chain stakeholders to initiate identification of their potential hazards. The minimum considerations for risk management provided in the report should not be considered final. They are designed to stimulate stakeholder discussion, so that firm conclusions can be made about what constitutes minimum risk management arrangements. The ultimate aim is to reduce *Salmonella* load through-chain.

The consultation process needs to be continued until all stakeholders are able to identify their relevant *Salmonella* risks and implement appropriate controls and interventions.

AECL anticipates that this documentation should be regularly updated to ensure that any new information that may impact on *Salmonella* risk management anywhere through-chain can be better managed and made available to all industry stakeholders.
