



# **National Advisory Committee on Meat and Poultry Inspection**

**August 8-9, 2007**

**Issue Paper  
Pilot Project to Explore Mechanisms for  
Using Industry Data**



# Overview of presentation

- **Purpose**
- **Background**
- **Possible Data Pilot Projects**
- **Questions for Sub-Committee**
- **Contact Person**



## Purpose

**Seeking NACMPI recommendations on a pilot project to use industry data**

- **Further guidance on:**
  - **Type of industry data to share in a pilot**
  - **Mechanisms for collecting industry data**
  - **Mechanisms for verifying industry data**



## Background

- **Non-FSIS data has historically been used in risk assessment, economic impact analysis, regulation development**
- **To date, industry data has been aggregate; not specific to establishments**
- **Exception – *Listeria monocytogenes* program (Lm Alternative)**



# Industry Data in Lm Alternative

- Establishments producing post-lethality exposed RTE products report “alternatives” to reduce Lm (Alternative 1, 2, or 3)
- Establishments report annual production volumes of RTE products
- Establishments report volume and other information to FSIS by:
  - Completing FSIS Form 10,240-1 and fax or mail to FSIS
  - or
  - Completing electronic version of Form 10,240-1 (fillable pdf) on FSIS website and emailing to Technical Service Center
- Treated as confidential commercial information



## Background cont.

- **Nov. 2004: NACMPI Issue: considered developing a data repository to assist FSIS in anticipating food borne hazards (industry, states, academia, consumer groups, etc.)**
- **April 2007: FSIS Public Meeting – Using Data from Other Sources**



## Possible Data Pilot Projects

- **FSIS considering pilot project on collection of industry data**
  - Possible use of plant-specific industry data in allocation of inspection resources
- **Potential plant-specific data under consideration for pilot:**
  - **Production volume data**
  - **Pathogen results data**



## Possible Data Pilot Project – Volume Data

- **Collection and use of volume data, a possible pilot for industry sharing data with FSIS?**
- **Industry voluntarily supplies production volume ranges to FSIS Headquarters. FSIS field personnel verify a random sample of the information.**

**Or**

- **Industry, as part of their record keeping, could voluntarily record production volumes ranges on a new industry-developed form. FSIS inspection personnel could verify information and input into PBIS.**





## Possible Data Pilot Project – Pathogen Data

- **FSIS considering new *Salmonella* control incentive initiative that could involve submission of data by industry for participation**
- **Voluntary program; would include broilers and turkeys**
- **Data under consideration for submission:**
  - ***Salmonella* analysis at specified frequency (1 in every x birds)**
  - ***Salmonella* & *Campylobacter* analysis at both re-hang and post-chill**
  - **Random, periodic enumeration of *Salmonella* & *Campylobacter* positive samples**
  - **Periodic generic *E. coli* analysis**
  - **Periodic enumeration of generic *E. coli* at both re-hang and post-chill**



## Possible Data Pilot Project – Pathogen Data

### New *Salmonella* initiative cont.

- Isolates for a percentage of positives would be submitted for serotyping and data would be captured in PulseNet
- Maximum percent positive rate would be established for *Salmonella* sets and overall *Salmonella* results for entry into and to remain in the project



# Possible Data Pilot Project – Pathogen Data

Collection and use of pathogen data—as a subset of new *Salmonella* initiative--a possible pilot for industry sharing data with FSIS?

- Industry would maintain pathogen testing records as part of new *Salmonella* initiative
- FSIS field personnel could review, verify, and collect industry data

or

- Industry could provide pathogen data directly to FSIS (raw or summary data) and FSIS field personnel verify information on a random basis



## Questions

- **In context of establishing pilot project to collect and possibly use industry data in allocating inspection resources:**



# Questions

- **What type of industry data would be appropriate for use in risk-based inspection (RBI) algorithm for processing establishments?**
  - Presence/absence, enumeration, serotype/subtype data for pathogens in products?
  - Plant environmental monitoring data, including presence/absence, enumeration, serotype/subtype data for pathogens?
  - Volume data?
  - Other data?
- **What type of industry data would be appropriate for use in public health-based inspection algorithm for slaughter establishments?**



# Questions

- **How should FSIS obtain industry data (i.e., mechanism of collection)?**
  - Direct from industry to FSIS databases via Internet (with secured identity)?
  - Contract laboratory data?
  - Collection as part of inspection activity by FSIS inspectors of industry records/information?
- **If industry data are used, how does FSIS ensure data quality?**
  - e.g., verification by FSIS inspectors, use of standardized methods and laboratory certification, use of third-party audits, etc.?



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