Timeline: Nationwide Outbreak of Salmonella Enteritidis (SE) Infections Associated with Shell Eggs, United States, 2010

Twenty-nine restaurant/event clusters are reported from 11 states; 15 of 29 clusters with likely egg source as Wright County Eggs (WCE); 1 cluster of 29 with likely source as Hillandale Farms. May - Early June June 27 – Mid July August - September Several local outbreaks of SE infections with pulsed-field gel electrophoresis (PFGE) CA reports 4 additional clusters CDC continues surveillance for SE PFGE pattern 4 infections and restaurant clusters pattern 4 are reported to CDC by state public health authorities, with some evidence associated with breakfast-style restaurants that infections are related to egg-containing foods. In none of these clusters are shell July 29 August 4 eggs specifically implicated. Two clusters appear to have a common source of a Preliminary data from 6 CA MN reports 4 clusters to CDC, including the pasteurized liquid egg product, but 2 others are distinctly different from each other and clusters identify a common egg one in May; 3 associated with eggs from do not support a link. FDA and FSIS participate in assessment of these 4 clusters. An supplier: WCE in Galt, IA. CO lowa farms, including same farm as source intense investigation of the liquid egg manufacturer is completed; advanced laboratory July 21 notifies CDC of restaurant cluster of 6 CA clusters. States are notified of methods determine outbreaks are not related to each other. CDC notes general sustained nationwide of SE infections; raw preliminary CA egg source results. CDC increase in SE pattern 4 infections; preliminary Outbreak egg-containing food implicated requests epidemiologic and any egg source investigation results are shared with FDA & MN statistically implicates consumption of chile rellenos (stuffed and preliminary lab results of information on all identified clusters of SE Identification USDA/FSIS. chili peppers) prepared with shell eggs. MN traceback identifies food testing suggest Salmonella infections in the United States. and Source shell eggs supplied by Hillandale Farms in New Hampton, IA. No positive. **Implication** unexpected nation-wide increase in SE infections was apparent in PulseNet. July 30 May 21 CDC, FDA and USDA/FSIS conference CA reports to CDC bakery clusters associated MN reports to CDC call to discuss investigation updates. CA reports to CDC state increase of SE infections and identification with custard-filled pastries containing eggs. CO identifies WCE as egg restaurant cluster of of two local clusters catered by common bakery. source for restaurant outbreak. SE infections. September III persons by week of report to CDC PulseNet 5-year baseline mean 200 150 100 50 From May 1 to September 14, 2010, a total of 2,752 illnesses were reported. However, some ill persons from this period have not been reported yet, and some of these ill persons may not be related to this outbreak. Based on the previous 5 years of reports to PulseNet, 1,144 total SE illnesses would be expected during this same period. This means there are approximately 1,608 reported illnesses that are likely to be associated with this outbreak. 250 Illnesses that began during this time may Ill persons by week of illness onset 200 not yet be reported 150 100 50 May September Regulatory Actions, August 30 August 4 Recalls, and Results August 20 Form FDA-483, FDA reviews preliminary records from Hillandale Farms of Product testing FDA contacts and begins daily dialogue with WCE. multiple states and assigns investigators to Inspectional August 18 issued nationwide Observations, collect complete traceback records from Based on additional traceback information voluntary recall of issued to WCE. restaurants and distributors in CA & CO. and concerns discovered during FDA August 10 shell eggs. Recall July 9 investigation, WCE expanded recall to include FDA SE Incident Management Group notice posted on FDA Egg Rule 2 additional farms. Recall notice posted on activated. FDA's website. implemented. FDA's website. FDA selects 3 geographically distinct clusters (MN, CO, CA) of illness to focus complete documented August 26 tracebacks. FDA had previously been collecting and FDA starts inspection at WCE in Galt, IA. analyzing traceback records for some of these clusters. FDA starts inspection at Hillandale Farms. Form FDA-483, Inspectional Observations, issued to August 13 Hillandale Farms of Iowa. May - Early June Late July - Early August WCE issued a nationwide voluntary recall of shell eggs from 3 farms. USDA and FDA complete intensive investigation of pasteurized FDA closely monitors state and CDC investigations to identify Recall notice posted on FDA's liquid egg manufacturer as result of CDC and state epidemiological food vehicle associated with increase in SE infections. FDA data. Preliminary traceback of shell eggs show no common source. requests traceback records from certain states.