From: Patricia Lovera [plovera@fwwatch.org]

Sent: Monday, July 10, 2006 3:29 PMTo: FSIS RegulationsComments

Subject: Docket #04-026N

Please find attached a document from Food & Water Watch, to be include in Docket # 04-026N, Notice on Salmonella Verification Sample Result Reporting: Agency Policy and Use in Public Health Protection.

Thank you.

#### **BACKGROUND**

USDA's Food Safety and Inspection Service (FSIS), the government agency responsible for inspecting meat and poultry, has established acceptable levels of *Salmonella* contamination for different types of meat and poultry. Of particular concern, the agency's testing has demonstrated an increase in the percentage of broiler chickens contaminated with *Salmonella*, from 9.09% in 2000 to 16.25% in 2005.<sup>6</sup>

In 1998, FSIS began enforcing a new Salmonella standard by testing raw and ground products for the presence of the pathogen. The purpose of the new program was to use microbial sampling to determine when plants were not controlling food safety hazards in their production processes. Testing was also supposed to serve as an objective indicator of when industry and/or government were not fulfilling their food safety responsibilities.

The acceptable level of contamination established for each product was based on the average level of *Salmonella* present for each class of product at the time that initial baseline tests were taken. Consequently, the USDA's acceptable percentage of *Salmonella* contamination varies greatly by product.

Type of Product	Acceptable Level of Salmonella Contamination
Steers and Heifers	1.2%
Cows and Bulls	3.5%
Ground Beef	9.5%
Hogs	10.9%
Broiler Chickens	23.5%
Fresh Pork Sausage	34.0%
Ground Chicken	49.1%
Ground Turkey	54.7%

To determine the contamination level for a particular plant, the USDA tests a sample of the finished product each day that the plant is operating until the requisite number of samples are taken. The number of required daily samples differs by species. So, for example, the testing period for an plant that slaughters steers and heifers would be as long as is necessary to collect 82 daily samples, whereas the testing period for a broiler chicken plant would be long enough to collect 51 daily samples. The length of the testing period is also affected by the frequency with which a plant produces the product. Some small plants do not produce every day, and therefore the testing period would be longer at these plants to collect the same number of samples. The "contamination rate" of a plant is the percentage of the daily samples that are contaminated with Salmonella during the testing period.

<sup>&</sup>lt;sup>6</sup> http://www.fsis.usda.gov/PDF/Serotypes\_Profile\_Salmonella\_Tables\_&\_Figures.pdf

#### **METHODS**

The *Salmonella* testing results for 1998 through 2003 were acquired using the Freedom of Information Act. We have analyzed numerous FSIS testing databases over the past ten years and routinely discovered errors or gaps in the data. In the data available here, we discovered that up to three percent of the tests may missing from the database. All of our calculations are based on the data available in the records we received

The records we received from the agency listed results by the plant's establishment number. We found the names of the companies operating these plants in the "Meat, Poultry and Egg Product Inspection Directory," found on the agency's website. We used the version of directory available during June 2006. The directory does not provide information for a few of the plants we found in the test result database, which are indicated on the chart.

#### **FINDINGS**

#### Overall

Our analysis found that 106 broiler chicken plants in 27 states and Puerto Rico failed to meet the performance standard in at least one *Salmonella* testing period. These plants are listed in Attachment 1. A more detailed chart, including states and dates of testing can be found in Attachment 2.

Our analysis of the data also confirms that the *Salmonella* contamination rate has risen in the past two years. Using a modified version of the performance categories the agency plans to use, we analyzed the number of test periods in each of the categories rather than the number of plants (which might have more than one test period per year.)

Test Periods by Contamination Rate and Year							
		Category 1	Category 2	Category 3			
Year	Zero Contamination	Less than 12% Contamination	13-24% Contamination	25% or more Contamination (Failed to meet USDA standard)			
1998 - 2003	9.7%	54.2%	24.4%	11.8%			
2004	4.3%	53.1%	30.3%	12.4%			
2005	4.6%	47.2%	30.3%	18.0%			

<sup>9</sup> <a href="http://www.fsis.usda.gov/Regulations">http://www.fsis.usda.gov/Regulations</a> & Policies/Meat Poultry Egg Inspection Directory/index.asp, accessed during June 2006.

Finally, our analysis shows that a recent change to the policy on testing frequency, which would delay testing for some plants, could cause plants with troubling rates of contamination to escape testing.

The USDA notice, released June 29, 2006, states that plants that had two testing periods with contamination rates less than half the acceptable level (less than 12 percent), would not likely be scheduled for more testing for 12 to 24 months because of their above average performance. This reliance on previous performance is misguided, as circumstances in a plant can change very quickly. This is indicated in the testing database, which reveals dramatic changes in contamination rates in plants from one testing period to another.

If this new standard had been in effect during the 1998 to 2005 period we examined, up to 22 plants which failed to meet the *Salmonella* standard would have likely not have been tested because they had less than 12 percent contamination in two previous testing periods.

### The Top 7 Companies

The following is the analysis of all testing data from 1998 through 2005 of the seven companies operating the most broiler chicken plants.

NOTE: A contamination rate below 24% meets the USDA's standard.

**Tyson Foods, Inc.** operates 36 broiler-producing plants and FSIS recorded 253 test periods at those plants. (*The government data appears to be missing seven test period results*).

10 of the 36 plants (27.8%) failed at least one test period.

5.1% of the company's total test periods resulted in failure.

The average contamination rate of failing test periods was 33.0%.

The average contamination rate of passing test periods was 7.7%.

**Pilgrim's Pride Corporation** operates 22 broiler-producing plants and FSIS recorded 164 test periods at those plants. (*The government data appears to be missing six test period results.*)

7 of the 22 plants (31.8%) failed at least one test period.

9.2% of the company's total test periods resulted in failure.

The average contamination rate of failing test periods was 35.0%.

The average contamination rate of passing test periods was 8.8%.

**Goldkist Inc.** operates 11 broiler-producing plants and FSIS recorded 78 testing periods at those plants. (The government data appears to be missing four test period results.)

5 of the 11 plants (45.5%) failed at least one test period.

9.0% of the company's total test periods resulted in failure.

The average contamination rate of failing test periods was 40.9%.

The average contamination rate of passing test periods was 10.2%.

**Perdue Farms** operates ten broiler-producing plants and FSIS recorded 66 test periods at those plants. (*The government data appears to be missing one test period result*).

5 of the 10 plants (50%) failed at least one test period.

9.1% of the company's total test periods resulted in failure.

The average contamination rate of failing test periods was 36.0%.

The average contamination rate of failing test periods was 11.2%.

**Wayne Farms** operates seven broiler-producing plants and FSIS recorded 56 test periods at those plants. (*The government data appears to be missing two test period results*).

5 of the 7 plants (71.4%) failed at least one test period.

14.3% of the company's total test periods resulted in failure.

The average contamination rate of failing test periods was 32.0%.

The average contamination rate of passing test periods was 10.7%.

**Sanderson Farms, Inc.** operates six broiler-producing plants and FSIS recorded 43 test periods at those plants. (The government data appears to be missing one test period result).

None of the plants failed any test period.

The average contamination rate of passing test periods was 6.3%.

**Foster Farms** operates four broiler-producing plants and FSIS recorded 22 test periods at those plants. (*No test periods appear to be missing from the government data.*)

2 of the 4 plants (50%) failed at least one test period.

13.7% of the company's total test periods resulted in failure.

The average contamination rate of failing test periods was 32.0%.

The average contamination rate of passing test periods was 9.18%.

### **RECOMMENDATIONS**

In light of these findings, Food & Water Watch recommends that:

- The USDA should seek legislation that makes performance standards enforceable under the meat and poultry inspection statutes.
- The USDA should publish on its website *Salmonella* testing results for each plant on a quarterly basis, including the number of samples taken at the plant and the number that tested positive for *Salmonella*.
- The USDA should abandon a new policy that plants which had less than half the acceptable rate of Salmonella in their last two testing periods will not be scheduled for another testing period for 12 to 24 months.



## These broiler chicken establishments failed to meet USDA's standard for Salmonella at least once between January 1998 and December 2005.

	TYSON	PILGRIM'S PRIDE		
Est. #	Year of Failure	Est. #	Year of Failure	
P-164	2000, 2003	P-121	2000, 2002	
P-622	2005	P-843	2001, 2002	
P-758	2005	P-1279	1999, 2001, 2003	
P-806	2000, 2002	P-5787	2001	
P-1241	2001, 2005	P-6638	1999, 2003	
P-5842*	2005	P-13485	2001, 2002, 2004	
P-6651	2005	P-17340	1999	
P-7085	2002	G	OLDKIST	
P-7089	1998	Est. #	Year of Failure	
P-19514	2004	P-16	2002	
WAY	YNE FARMS	P-413	2002	
Est. #	Year of Failure	P1201	1999, 2002	
P-170	1998	P-1277	2004	
P-445	2001, 2003	P-17500	2005	
P-912*	2005		PERDUE	
P-1009	1998, 2003	Est. #	Year of Failure	
P-1235*	2005	P-764	2004	
FOS	TER FARMS	P-1243	2000	
Est. #	Year of Failure	P-1318	2003	
P-6137	2001	P-2178	1999, 2004	
P-6164A*	2002, 2005	P-7903	2004	

<sup>\*</sup> indicates an establishment for which we have no record of a passing test period after the last Year of Failure listed in this chart.

The data used to make this chart ended in December per year, at each establishment. They may conduct more than one. Passing test periods are *not* listed.

2005. USDA typically conducts at least one test period

Each package of raw poultry must display the establishment number in either the inspection legend oval or, by itself, on other labeling material.



FAILURES at SMALLER COMPANIES					
Est. #	Year of Failure	Est. #	Year of Failure		
P-3	1998	P-6510	1998		
P-39	1999	P-6529	2002		
P-134*	2000, 2004	P-6616*	2005		
P-290	1999	P-7470*	2005		
P-308	1998, 2004	P-7487*	1999, 2005		
P-322	2001	P-7632	1999		
P-385	2000	P-7927	1999, 2000		
P-396	1999	P-7987	2002		
P-419*	2005	P-8107*	2002		
P-468	1999	P-9897*	2000		
P-493*	2005	P-9965	2004		
P-509	1999, 2003	P-12432*	2005		
P-533	2002, 2003	P-12434*	2000, 2003, 2004		
P-667	2005	P-13369*	2005		
P-687	2004	P-15724	2002		
P-727	2003	P-18414	2003, 2004, 2005		
P-744	2000	18739*	2000, 2000, 2005		
P-794	2000	18927*	2005		
P-890	2004	18978	2002, 2003, 2004		
P-910	2005	19014*	2001		
P-930*	2005	19128*	2000, 2005		
P-1009	1998, 2003	19865*	1999, 2001, 2001, 2002, 2004, 2004		
P-1015	2002, 2003	20138*	1999, 2000		
P-1257	2002	20251*	2001, 2003, 2005		
P-1283	2005	20322	2002, 2002		
P-1304*	2002, 2005	20446*	2005		
P-1309	2001, 2004	20538*	2002, 2005		
P-1538*	2005	20604	2004		
P-2028*	2005	20979	2001, 2001		
	2005	27425*	2005		
P-2882*	2003				
P-2882* P-4653A*	2000, 2005	31567	2004		



# Salmonella Failures at USDA-Inspected Broiler Chicken Establishments, 1998-2005

Establishment Number	Company Name	State	Number of Passing Test Periods 1998 - 2005	Dates of Failed Test Periods	Contamination Rate of Failed Test Periods
3	Mountaire Firms of Delaware	DE	5	4/24/98 - 6/25/98	47.06%
				8/24/98 - 11/11/98 3/26/02 - 7/15/02	27.45% 25.49%
16	Gold Kist, Inc.	NC	5	8/22/02 - 11/18/02	33.33%
39	Pine Manor/Miller Poultry	IN	6	3/11/99 - 6/3/99	43.14%
	,			2/8/00 - 5/3/00	49.02%
121	Pilgrim's Pride Corp.	AR	4	10/2/01 - 1/10/02	39.22%
424	David Elliot Poultry Farm	D.A.		4/1/00 - 8/31/00	31.37%
134	Inc.	PA	3	2/24/04 - 7/7/04	27.45%
164	Tyson Foods, Inc.	MS	6	2/8/00 - 4/21/00	27.45%
104	Tyson Poods, Inc.	MIS	O	5/19/03 - 8/7/03	27.45%
170	Wayne Farms LLC	GA	6	3/3/98 - 5/19/98	27.45%
290	Townsends, Inc.	NC	7	3/9/98 - 7/27/99	41.18%
308	Koch Foods of Mississippi	MS	7	3/19/98 - 6/11/98	27.45%
	LLC			2/16/04 - 4/22/04	29.41%
322	Gold'n Plump Poultry, Inc.	MN	8	12/1/00 - 3/1/01	41.18%
385	Not Listed at Agency Website		3	6/21/99 - 8/3/00	27.45%
396	Townsends, Inc.	NC	2	6/1/99 - 8/119/99	58.82%
413	Gold Kist Holdings	AL	7	8/12/02 - 10/25/02	39.22%
419	Case Farms of NC, Inc.	NC	5	4/25/05 -7/12/05	56.86%
445	Wayne Farms LLC	NC	7	1/2/01 - 3/20/01	29.41%
100	m 1 (A1 T	4.70		5/19/03 - 8/5/03	27.45%
468	Townsends of Arkansas, Inc.	AR	7	3/10/98 - 10/29/99	27.45%
493	B.C. Natural Chicken, Inc.	PA	6	2/8/05 - 4/22/05	50.98%
509	Koch Foods LLC	TN	6	6/1/99 - 8/17/99	45.01%
				4/7/03 - 6/19/03 1/3/02 - 4/9/02	25.49% 31.37%
				9/23/02 - 1/6/03	64.71%
533	Hain Pure Protein Corp.	PA	5	9/23/02 - 1/0/03 7/7/03 - 8/20/03	Set stopped before completion
622	Tyson Foods, Inc	NC	7	1/4/05 - 4/15/05	47.06%
667	Montaire Farms/Delmarva, Inc.	DE	4	1/3/05 -3/21/05	54.90%

29.41%	10/13/03 - 1/19/04	6	SC	Columbia Farms, Inc.	687
33.33%	1/6/03 - 3/26/03	6	MO	Simmons Foods,	727
43.14%	5/15/00 - 9/5/00	4	NJ	Vineland Kosher Poultry Co.	744
37.25%	1/6/05 -3/22/05	8	MS	Tyson Foods, Inc.	758
60.78%	2/10/04 - 5/5/04	7	MD	Perdue Farms Inc.	764
29.41%	2/18/00 - 12/5/00	3	NJ	B & B Poultry Co, Inc.	794
27.45%	5/1/00 - 7/19/00	_	37 A	Tygon Foods, Inc.	906
35.29%	1/7/02 - 3/28/02	/	VA	ryson roods, mc.	800
29.41%	11/27/00 - 2/20/01	6	NC	Pilarim's Prido Corn	843
25.49%	10/14/02 -12/30-02	U	NC	riigiiii s i ride Corp.	043
29.41%	12/18/01 - 4/2/02	5		Not Listed at Agency Website	877
27.45%	2/11/04 - 4/27/04	4	MS	Paga Foods Inc	890
39.22%	7/27/04 - 10/06/04	4	MIS	reco roods, me.	030
33.33%	1/3/05 - 3/15/05	7	GΔ	Harrison Poultry Inc	910
58.82%	5/9/05 - 7/25/05	/	UA	Trairison Fourtry, Inc.	310
41.18%	4/26/05 - 7/29/05	7	AL	Wayne Farms LLC	912
37.25%	7/26/05 -11/28/05	6	CA	Fulton Processors, Inc.	930
37.25%	3/9/98 - 6/8/98				
29.41%	8/18/98 - 10/30/98	6	AR	Wayne Farms LLC	1009
33.33%	4/4/03 - 6/24/03				
31.37%	7/15/02 - 10/22/02	0	DΛ	Empire Vecher Poultry Inc	1015
25.49%	1/6/03 - 4/9/03	3	rA	Empire Rosner Pountry, Inc.	1013
	1/0/03 - 4/9/03				
35.29%	4/6/98 - 2/4/99	F	NC	Cold Vist Inc	1201
35.29% 41.18%	, ,, ., -	5	NC	Gold Kist, Inc.	1201
	4/6/98 - 2/4/99	5 4	NC	Gold Kist, Inc.  Not Listed at Agency Website	1201 1214
41.18%	4/6/98 - 2/4/99 4/1/02 - 8/28/02 3/5/1999 - 5/25/99 2/15/05 - 4/27/05		NC AL		
41.18% 31.37%	4/6/98 - 2/4/99 4/1/02 - 8/28/02 3/5/1999 - 5/25/99 2/15/05 - 4/27/05 11/29/00 - 2/22/01	4 7	AL	Not Listed at Agency Website Wayne Farms	1214 1235
41.18% 31.37% 31.37% 33.33% 29.41%	4/6/98 - 2/4/99 4/1/02 - 8/28/02 3/5/1999 - 5/25/99 2/15/05 - 4/27/05 11/29/00 - 2/22/01 4/25/05 - 7/19/05	4	AL IN	Not Listed at Agency Website Wayne Farms Tyson Foods, Inc.	1214 1235 1241
41.18% 31.37% 31.37% 33.33% 29.41% 25.49%	4/6/98 - 2/4/99 4/1/02 - 8/28/02 3/5/1999 - 5/25/99 2/15/05 - 4/27/05 11/29/00 - 2/22/01 4/25/05 - 7/19/05 2/8/00 - 6/2/00	4 7	AL	Not Listed at Agency Website Wayne Farms	1214 1235
41.18% 31.37% 31.37% 33.33% 29.41% 25.49% 31.37%	4/6/98 - 2/4/99 4/1/02 - 8/28/02 3/5/1999 - 5/25/99 2/15/05 - 4/27/05 11/29/00 - 2/22/01 4/25/05 - 7/19/05 2/8/00 - 6/2/00 3/18/02 - 6/4/02	4 7 7 5	AL IN NC	Not Listed at Agency Website Wayne Farms Tyson Foods, Inc. Perdue Farms, Inc.	1214 1235 1241 1243
41.18% 31.37% 31.37% 33.33% 29.41% 25.49% 31.37% 27.45%	4/6/98 - 2/4/99 4/1/02 - 8/28/02 3/5/1999 - 5/25/99 2/15/05 - 4/27/05 11/29/00 - 2/22/01 4/25/05 - 7/19/05 2/8/00 - 6/2/00 3/18/02 - 6/4/02 8/12/02 - 10/25/02	4 7 7 5 7	AL IN NC GA	Not Listed at Agency Website Wayne Farms Tyson Foods, Inc. Perdue Farms, Inc. Fieldale Farms Corp.	1214 1235 1241 1243 1257
41.18% 31.37% 31.37% 33.33% 29.41% 25.49% 31.37% 27.45% 47.06%	4/6/98 - 2/4/99 4/1/02 - 8/28/02 3/5/1999 - 5/25/99 2/15/05 - 4/27/05 11/29/00 - 2/22/01 4/25/05 - 7/19/05 2/8/00 - 6/2/00 3/18/02 - 6/4/02 8/12/02 - 10/25/02 9/29/03 - 1/13/04	4 7 7 5	AL IN NC	Not Listed at Agency Website Wayne Farms Tyson Foods, Inc. Perdue Farms, Inc.	1214 1235 1241 1243
41.18% 31.37% 31.37% 33.33% 29.41% 25.49% 31.37% 47.06% 31.37%	4/6/98 - 2/4/99 4/1/02 - 8/28/02 3/5/1999 - 5/25/99 2/15/05 - 4/27/05 11/29/00 - 2/22/01 4/25/05 - 7/19/05 2/8/00 - 6/2/00 3/18/02 - 6/4/02 8/12/02 - 10/25/02 9/29/03 - 1/13/04 3/2/99 - 5/17/99	4 7 7 5 7	AL IN NC GA	Not Listed at Agency Website Wayne Farms Tyson Foods, Inc. Perdue Farms, Inc. Fieldale Farms Corp. Gold Kist Poultry	1214 1235 1241 1243 1257 1277
41.18% 31.37% 33.33% 29.41% 25.49% 31.37% 47.06% 31.37% 33.33%	4/6/98 - 2/4/99 4/1/02 - 8/28/02 3/5/1999 - 5/25/99 2/15/05 - 4/27/05 11/29/00 - 2/22/01 4/25/05 - 7/19/05 2/8/00 - 6/2/00 3/18/02 - 6/4/02 8/12/02 - 10/25/02 9/29/03 - 1/13/04 3/2/99 - 5/17/99 10/8/01 - 12/27/01	4 7 7 5 7	AL IN NC GA	Not Listed at Agency Website Wayne Farms Tyson Foods, Inc. Perdue Farms, Inc. Fieldale Farms Corp.	1214 1235 1241 1243 1257
41.18% 31.37% 31.37% 33.33% 29.41% 25.49% 31.37% 47.06% 31.37% 33.33% 43.14%	4/6/98 - 2/4/99 4/1/02 - 8/28/02 3/5/1999 - 5/25/99 2/15/05 - 4/27/05 11/29/00 - 2/22/01 4/25/05 - 7/19/05 2/8/00 - 6/2/00 3/18/02 - 6/4/02 8/12/02 - 10/25/02 9/29/03 - 1/13/04 3/2/99 - 5/17/99 10/8/01 - 12/27/01 3/17/2003 - 6/4/03	4 7 7 5 7 7	AL IN NC GA GA	Not Listed at Agency Website Wayne Farms Tyson Foods, Inc. Perdue Farms, Inc. Fieldale Farms Corp. Gold Kist Poultry Pilgrim's Pride	1214 1235 1241 1243 1257 1277
41.18% 31.37% 31.37% 33.33% 29.41% 25.49% 31.37% 47.06% 31.37% 33.33% 43.14% 41.18%	4/6/98 - 2/4/99 4/1/02 - 8/28/02 3/5/1999 - 5/25/99 2/15/05 - 4/27/05 11/29/00 - 2/22/01 4/25/05 - 7/19/05 2/8/00 - 6/2/00 3/18/02 - 6/4/02 8/12/02 - 10/25/02 9/29/03 - 1/13/04 3/2/99 - 5/17/99 10/8/01 - 12/27/01 3/17/2003 - 6/4/03 1/3/05 - 3/16/05	4 7 7 5 7	AL IN NC GA	Not Listed at Agency Website Wayne Farms Tyson Foods, Inc. Perdue Farms, Inc. Fieldale Farms Corp. Gold Kist Poultry	1214 1235 1241 1243 1257 1277
41.18% 31.37% 31.37% 33.33% 29.41% 25.49% 31.37% 47.06% 31.37% 33.33% 43.14% 41.18% 37.25%	4/6/98 - 2/4/99 4/1/02 - 8/28/02 3/5/1999 - 5/25/99 2/15/05 - 4/27/05 11/29/00 - 2/22/01 4/25/05 - 7/19/05 2/8/00 - 6/2/00 3/18/02 - 6/4/02 8/12/02 - 10/25/02 9/29/03 - 1/13/04 3/2/99 - 5/17/99 10/8/01 - 12/27/01 3/17/2003 - 6/4/03 1/3/05 - 3/16/05 12/13/01 - 3/20/02	4 7 7 5 7 7 7	AL IN NC GA GA MS	Not Listed at Agency Website Wayne Farms Tyson Foods, Inc. Perdue Farms, Inc. Fieldale Farms Corp. Gold Kist Poultry Pilgrim's Pride Forest Packing Company	1214 1235 1241 1243 1257 1277 1279
41.18% 31.37% 33.33% 29.41% 25.49% 31.37% 47.06% 31.37% 33.33% 43.14% 41.18% 37.25% 35.29%	4/6/98 - 2/4/99 4/1/02 - 8/28/02 3/5/1999 - 5/25/99 2/15/05 - 4/27/05 11/29/00 - 2/22/01 4/25/05 - 7/19/05 2/8/00 - 6/2/00 3/18/02 - 6/4/02 8/12/02 - 10/25/02 9/29/03 - 1/13/04 3/2/99 - 5/17/99 10/8/01 - 12/27/01 3/17/2003 - 6/4/03 1/3/05 - 3/16/05 12/13/01 - 3/20/02 4/29/02 - 7/17/02	4 7 7 5 7 7	AL IN NC GA GA	Not Listed at Agency Website Wayne Farms Tyson Foods, Inc. Perdue Farms, Inc. Fieldale Farms Corp. Gold Kist Poultry Pilgrim's Pride	1214 1235 1241 1243 1257 1277
41.18% 31.37% 31.37% 33.33% 29.41% 25.49% 31.37% 47.06% 31.37% 33.33% 43.14% 41.18% 37.25% 35.29% 41.18%	4/6/98 - 2/4/99 4/1/02 - 8/28/02 3/5/1999 - 5/25/99 2/15/05 - 4/27/05 11/29/00 - 2/22/01 4/25/05 - 7/19/05 2/8/00 - 6/2/00 3/18/02 - 6/4/02 8/12/02 - 10/25/02 9/29/03 - 1/13/04 3/2/99 - 5/17/99 10/8/01 - 12/27/01 3/17/2003 - 6/4/03 1/3/05 - 3/16/05 12/13/01 - 3/20/02 4/29/02 - 7/17/02 2/7/05 - 4/25/05	4 7 7 5 7 7 7	AL IN NC GA GA MS	Not Listed at Agency Website Wayne Farms Tyson Foods, Inc. Perdue Farms, Inc. Fieldale Farms Corp. Gold Kist Poultry Pilgrim's Pride Forest Packing Company	1214 1235 1241 1243 1257 1277 1279
41.18% 31.37% 31.37% 33.33% 29.41% 25.49% 31.37% 47.06% 31.37% 33.33% 43.14% 41.18% 37.25% 35.29% 41.18% 54.90%	4/6/98 - 2/4/99 4/1/02 - 8/28/02 3/5/1999 - 5/25/99 2/15/05 - 4/27/05 11/29/00 - 2/22/01 4/25/05 - 7/19/05 2/8/00 - 6/2/00 3/18/02 - 6/4/02 8/12/02 - 10/25/02 9/29/03 - 1/13/04 3/2/99 - 5/17/99 10/8/01 - 12/27/01 3/17/2003 - 6/4/03 1/3/05 - 3/16/05 12/13/01 - 3/20/02 4/29/02 - 7/17/02 2/7/05 - 4/25/05 3/12/01 - 6/25/01	4 7 7 5 7 7 7 6	AL IN NC GA GA HS	Not Listed at Agency Website Wayne Farms Tyson Foods, Inc. Perdue Farms, Inc. Fieldale Farms Corp. Gold Kist Poultry Pilgrim's Pride Forest Packing Company Farmer's Pride, Inc.	1214 1235 1241 1243 1257 1277 1279 1283
41.18% 31.37% 31.37% 33.33% 29.41% 25.49% 31.37% 47.06% 31.37% 33.33% 43.14% 41.18% 37.25% 35.29% 41.18% 54.90% 37.25%	4/6/98 - 2/4/99 4/1/02 - 8/28/02 3/5/1999 - 5/25/99 2/15/05 - 4/27/05 11/29/00 - 2/22/01 4/25/05 - 7/19/05 2/8/00 - 6/2/00 3/18/02 - 6/4/02 8/12/02 - 10/25/02 9/29/03 - 1/13/04 3/2/99 - 5/17/99 10/8/01 - 12/27/01 3/17/2003 - 6/4/03 1/3/05 - 3/16/05 12/13/01 - 3/20/02 4/29/02 - 7/17/02 2/7/05 - 4/25/05 3/12/01 - 6/25/01 7/25/01 - 11/16/01	4 7 7 5 7 7 7	AL IN NC GA GA MS	Not Listed at Agency Website Wayne Farms Tyson Foods, Inc. Perdue Farms, Inc. Fieldale Farms Corp. Gold Kist Poultry Pilgrim's Pride Forest Packing Company	1214 1235 1241 1243 1257 1277 1279
41.18% 31.37% 31.37% 33.33% 29.41% 25.49% 31.37% 47.06% 31.37% 33.33% 43.14% 41.18% 37.25% 35.29% 41.18% 54.90%	4/6/98 - 2/4/99 4/1/02 - 8/28/02 3/5/1999 - 5/25/99 2/15/05 - 4/27/05 11/29/00 - 2/22/01 4/25/05 - 7/19/05 2/8/00 - 6/2/00 3/18/02 - 6/4/02 8/12/02 - 10/25/02 9/29/03 - 1/13/04 3/2/99 - 5/17/99 10/8/01 - 12/27/01 3/17/2003 - 6/4/03 1/3/05 - 3/16/05 12/13/01 - 3/20/02 4/29/02 - 7/17/02 2/7/05 - 4/25/05 3/12/01 - 6/25/01	4 7 7 5 7 7 7 6	AL IN NC GA GA HS	Not Listed at Agency Website Wayne Farms Tyson Foods, Inc. Perdue Farms, Inc. Fieldale Farms Corp. Gold Kist Poultry Pilgrim's Pride Forest Packing Company Farmer's Pride, Inc.	1214 1235 1241 1243 1257 1277 1279 1283
29.41% 27.45% 35.29% 29.41% 25.49% 29.41% 39.22% 33.33% 58.82% 41.18% 37.25% 29.41% 33.33% 31.37%	2/18/00 - 12/5/00 5/1/00 - 7/19/00 1/7/02 - 3/28/02 11/27/00 - 2/20/01 10/14/02 -12/30-02 12/18/01 - 4/2/02 2/11/04 - 4/27/04 7/27/04 - 10/06/04 1/3/05 - 3/15/05 5/9/05 - 7/25/05 4/26/05 - 7/29/05 7/26/05 - 11/28/05 3/9/98 - 6/8/98 8/18/98 - 10/30/98 4/4/03 - 6/24/03 7/15/02 - 10/22/02	3 7 6 5 4 7 7 6	NJ VA NC MS GA AL CA	B & B Poultry Co, Inc.  Tyson Foods, Inc.  Pilgrim's Pride Corp.  Not Listed at Agency Website  Peco Foods, Inc.  Harrison Poultry, Inc.  Wayne Farms LLC  Fulton Processors, Inc.	794 806 843 877 890 910 912 930

1538	Wapsie Produce, Inc.	IA	O	6/6/05-12/12/05	39.22%
2028	Culver Duck Farms, Inc.	IN	2	5/27/03 -3/25/05	25.49%
2178	Perdue Farms, Inc.	DE	7	3/2/99 - 5/25/99	37.25%
2170	refuue raffils, fiic.	DE	7	6/7/04 - 8/24/04	25.49%
2640	Not Listed at Agency Website		4	1/2/02 - 4/5/02	33.33%
2882	Petaluma Acquisition LLC	CA	4	8/12/04 - 1/3/05	39.22%
	rotarama rioquistrion and	011		6/13/05 - 9/13/05	27.45%
4653A	Agriprocessors Inc.	IA	2	5/9/00 - 11/29/00	25.49%
	O I			8/1/05 - 12/1/05	29.41%
5787	Pilgrim's Pride Corp.	LA	7	3/12/01 - 5/30/01	33.33%
	-			7/16/01 -10/12/01	47.06%
5842	Tyson Foods, Inc.	AR	6	1/19/0 5 - 4/12/05	27.45%
6137	Foster Poultry Farms	CA	7	3/7/01 - 5/31/01	27.45%
6164A	Foster Poultry Farms	WA	2	3/20/02 - 6/12/02	25.49%
0504	D D 1 T			11/11/04 - 1/24/05	43.14%
6504	Peco Foods Inc.	AL	8	3/2/99 - 5/20/99	35.29%
6510	Peco Foods Inc.	MS	7	4/17/98 - 7/6/98	27.45%
6529	Cylvoat Forma Inc	AL	8	9/15/98 - 12/7/98 8/14/02 - 10/31/02	27.45%
6616	Sylvest Farms, Inc. Peco Foods, Inc.	MS		7/27/05 - 11/10/05	29.41% 25.49%
0010	·	MS	7	3/3/99 - 5/27/99	25.49% 25.49%
6638	Pilgrim's Pride Corp. of Delaware	AL	8	3/3/99 - 5/2//99 3/18/03 - 6/9/03	25.45% 27.45%
6651	Tyson Foods, Inc	TN	5	11/8/04-2/7/05	25.49%
0001	Tyson Toods, me	111	5	5/17/00 - 9/11/00	35.29%
				10/11/00 - 1/25/01	50.98%
CCEO	Not I into J at A company IAZah aita			, , , , , ,	Set stopped before
6658	Not Listed at Agency Website		0	4/25/02 - 6/17/02	completion
					Cat atama all bafana
				2/20/03 - 4/9/03	Set stopped before
7085	Tyson Foods Inc	OK	8	, ,, -	completion
7085 7089	Tyson Foods, Inc.	OK MO	8	1/3/02 - 3/19/02	completion 27.45%
7089	Tyson Foods, Inc.	OK MO	7	1/3/02 - 3/19/02 3/5/98 - 6/1/98	completion 27.45% 29.41%
	·			1/3/02 - 3/19/02 3/5/98 - 6/1/98 3/2/98 - 7/22/98	completion 27.45% 29.41% 29.41%
7089	Tyson Foods, Inc.		7	1/3/02 - 3/19/02 3/5/98 - 6/1/98	completion 27.45% 29.41%
7089 7372 7470	Tyson Foods, Inc.  Not Listed at Agency Website  Mountaire Farms, Inc NC  Div.	MO NC	7 3 5	1/3/02 - 3/19/02 3/5/98 - 6/1/98 3/2/98 - 7/22/98 10/5/98 - 12/22/98	completion 27.45% 29.41% 29.41% 33.33% 45.01%
7089 7372	Tyson Foods, Inc.  Not Listed at Agency Website  Mountaire Farms, Inc NC	МО	7 3	1/3/02 - 3/19/02 3/5/98 - 6/1/98 3/2/98 - 7/22/98 10/5/98 - 12/22/98 8/04/05- 12/30/05	completion 27.45% 29.41% 29.41% 33.33%
7089 7372 7470 7487	Tyson Foods, Inc.  Not Listed at Agency Website  Mountaire Farms, Inc NC  Div.  Koch Foods LLC	MO NC TN	7 3 5 5	1/3/02 - 3/19/02 3/5/98 - 6/1/98 3/2/98 - 7/22/98 10/5/98 - 12/22/98 8/04/05- 12/30/05 6/3/99 - 10/11/99	completion 27.45% 29.41% 29.41% 33.33% 45.01%
7089 7372 7470	Tyson Foods, Inc.  Not Listed at Agency Website  Mountaire Farms, Inc NC  Div.	MO NC	7 3 5	1/3/02 - 3/19/02 3/5/98 - 6/1/98 3/2/98 - 7/22/98 10/5/98 - 12/22/98 8/04/05- 12/30/05 6/3/99 - 10/11/99 3/8/05- 6/23/05	completion 27.45% 29.41% 29.41% 33.33% 45.01% 37.25% 27.45%
7089 7372 7470 7487	Tyson Foods, Inc.  Not Listed at Agency Website  Mountaire Farms, Inc NC  Div.  Koch Foods LLC	MO NC TN	7 3 5 5	1/3/02 - 3/19/02 3/5/98 - 6/1/98 3/2/98 - 7/22/98 10/5/98 - 12/22/98 8/04/05- 12/30/05 6/3/99 - 10/11/99 3/8/05- 6/23/05 3/3/99 - 5/26/99	completion 27.45% 29.41% 29.41% 33.33% 45.01% 37.25% 27.45%
7089 7372 7470 7487 7632 7903	Tyson Foods, Inc.  Not Listed at Agency Website  Mountaire Farms, Inc NC Div.  Koch Foods LLC  Zorro Leasing LLC  Perdue Farms, Inc.	MO NC TN CA VA	7 3 5 5 7 7	1/3/02 - 3/19/02 3/5/98 - 6/1/98 3/2/98 - 7/22/98 10/5/98 - 12/22/98 8/04/05- 12/30/05 6/3/99 - 10/11/99 3/8/05- 6/23/05 3/3/99 - 5/26/99 8/13/99 - 11/4/99	completion 27.45% 29.41% 29.41% 33.33% 45.01% 37.25% 27.45% 27.45% 31.37%
7089 7372 7470 7487 7632	Tyson Foods, Inc.  Not Listed at Agency Website  Mountaire Farms, Inc NC Div.  Koch Foods LLC  Zorro Leasing LLC	MO NC TN CA	7 3 5 5	1/3/02 - 3/19/02 3/5/98 - 6/1/98 3/2/98 - 7/22/98 10/5/98 - 12/22/98 8/04/05- 12/30/05 6/3/99 - 10/11/99 3/8/05- 6/23/05 3/3/99 - 5/26/99 8/13/99 - 11/4/99 10/7/03- 1/16/04	completion 27.45% 29.41% 29.41% 33.33% 45.01% 37.25% 27.45% 31.37% 37.25%
7089 7372 7470 7487 7632 7903 7927 7987	Tyson Foods, Inc.  Not Listed at Agency Website  Mountaire Farms, Inc NC Div.  Koch Foods LLC  Zorro Leasing LLC  Perdue Farms, Inc.  Allen Family Foods, Inc.  Amick Farms, Inc.	MO NC TN CA VA	7 3 5 5 7 7	1/3/02 - 3/19/02 3/5/98 - 6/1/98 3/2/98 - 7/22/98 10/5/98 - 12/22/98 8/04/05- 12/30/05 6/3/99 - 10/11/99 3/8/05- 6/23/05 3/3/99 - 5/26/99 8/13/99 - 11/4/99 10/7/03- 1/16/04 12/9/98 - 3/9/99	completion 27.45% 29.41% 29.41% 33.33% 45.01% 37.25% 27.45% 31.37% 37.25% 43.14%
7089 7372 7470 7487 7632 7903 7927	Tyson Foods, Inc.  Not Listed at Agency Website  Mountaire Farms, Inc NC Div.  Koch Foods LLC  Zorro Leasing LLC  Perdue Farms, Inc.  Allen Family Foods, Inc.	MO NC TN CA VA MD	7 3 5 5 7 7 7	1/3/02 - 3/19/02 3/5/98 - 6/1/98 3/2/98 - 7/22/98 10/5/98 - 12/22/98 8/04/05- 12/30/05 6/3/99 - 10/11/99 3/8/05- 6/23/05 3/3/99 - 5/26/99 8/13/99 - 11/4/99 10/7/03- 1/16/04 12/9/98 - 3/9/99 2/14/00 - 5/2/00	completion 27.45% 29.41% 29.41% 33.33% 45.01% 37.25% 27.45% 27.45% 31.37% 37.25% 43.14% 31.37%

8418	Not Listed at Agency Website		2	3/13/00 - 8/10/00	31.37%
9194	Not Listed at Agency Website		2	11/30/00-2/23/01	27.45%
9885	Not Listed at Agency Website		0	11/6/00 - 12/25/01	33.33%
9897	Luu Family Corp.	CA	0	4/26/00 - 10/2/00	29.41%
9965	Eberly Poultry Inc.	PA	2	4/29/04 -11/5/04	56.86%
12432	Medeiros Farms, Inc.	HI	2	3/22/05-12/5/05	49.02%
				6/2/99 - 1/3/00	33.33%
12434	Pacific Poultry Co., Ltd.	HI	3	3/17/03 - 7/23/03	29.41%
				10/9/03 - 4/16/04	37.25%
13369	George's Processing, Inc.	MO	7	7/26/05-10/17/05	50.98%
				6/22/98 - 3/26/01	43.14%
13485	Pilgrim's Pride Corp.	LA	4	10/2/01 - 2/18/02	31.37%
				7/6/04 - 9/21/04	37.25%
15724	Case Farms of Ohio, Inc.	ОН	6	1/3/02 - 4/4/02	41.18%
10/24	Case Parms of Onio, Inc.	OH	O	8/26/02 - 11/7/02	52.94%
17340	Pilgrim's Pride Corp.	KY	4	3/2/98 - 11/30/99	25.49%
17500	Gold Kist Inc.	AL	8	3/15/05 - 5/27/05	80.39%
			1 (two sets	3/27/03/- 6/13/03	45.01%
18414	M.B.Consultant LTD.	NY	appear to be missing from	4/14/04 - 6/2/04	Set stopped before completion
			the database)	10/19/04 - 1/24/05	25.49%
			o (one set appears to be	3/2/99 - 2/8/00	43.14%
18739	Cal Fresh	CA	missing from	4/13/00 - 12/7/00	39.22%
			the database)	1/10/05 - 4/18/05	33.33%
18927	Spring Prairie Hutterian Breth	MN	0	12/5/00 - 9/6/05	25.49%
				1/2/01 - 4/1/02	43.14%
18978	Misty Knoll Farm	VT	1	4/29/02 -7/21/03	35.29%
	J			12/1/03 - 9/7/04	Set stopped before completion
19014	Yee Tung, Inc.	NJ	О	3/27/01 - 9/7/01	56.86%
19128	Case Farms of NC, Inc.	NC	3	10/13/99 - 1/3/00	27.45%
	·			7/21/05 - 10/3/05	29.41%
19514	Tyson Foods, Inc.	KY	6	7/6/04 - 10/5/04	58.82%
				3/5/99 - 6/3/99	33.33%
				3/5/01 - 5/31/01	43.14%
4000	House of Raeford Farms of	Ŧ.,		7/9/01 - 10/15/01	33.33%
19865	LA	LA	3	8/14/02 - 10/23/02	Set stopped before completion
				2/11/04 - 4/22/04	47.06%
				7/12/04 -9/27/04	25.49%
20138	Bo-Bo Poultry Market, Inc.	NY	0	3/8/99 - 7/1/99 11/3/99 - 3/9/00	70.59% 43.14%

				11/8/00 - 3/12/01	31.37%
20251	Tecumseh Poultry	NE	3	4/16/03 - 7/2/03	25.49%
				4/26/05 - 7/15/05	35.29%
20322	Charoen Pokphand USA-	AL	5	1/7/02 - 4/8/02	37.25%
20022	Inc.**	71L	5	6/17/02 - 9/9/02	25.49%
20446	Central IL Poultry Processing	IL	0	7/27/05-10/25/05	43.14%
			o (one set appears to be	11/7/00 - 5/7/02	74.51%
20538	Grower's Choice	NC	missing from the database)	2/9/05 - 6/28/05	31.37%
20589	Not Listed at Agency Website		1	10/31/01 - 6/11/02	27.45%
20604	Gerber's Poultry, Inc.	OH	3	7/7/04 - 9/17/04	29.41%
20979	Simmons Food, Inc.	AR	7	11/29/00 - 3/15/01	29.41%
20919	Simmons rood, mc.	AK	7	5/1/01 - 7/20/01	25.49%
27425	G and G Poultry Inc.	PA	O	12/20/04 -5/2/05	29.41%
31567	Productos Aviolas Del Sur Inc.	PR	1	9/8/04 -12/6/04	52.94%

<sup>\*\*</sup> This plant was sold to Equity Group Eufaula Div. in 2004.