

# **Analysis of the USDA Annual Report (2015) of Animal Usage by Research Facility**

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## Report preamble

The present document is meant to highlight the findings of the Humane Party in its analysis of the USDA report of animal usage by research facility. The USDA report is broken down by Pain and Distress category. In the present document, each category is analyzed, as well as the clinical signs of pain and distress used to assign categories. A statistical analysis is also carried out to visualize the number of animals per state and per category being subjected to research testing.

### Bias

There is an ethical obligation to disclose the bias of the preparers and analyzers involved in this report. The Humane Party aims and fights to free all animals from abuse, exploitation, and property status. It is in the Humane Party's interest that the results of this report support its goal insofar as possible. All members involved in this investigation, analysis, and report have acted at the margins of this bias, striving for their judgement to remain unaffected by said bias.

### Sources

The sources for the present document include the USDA policies for animal testing and Pain and Distress categorization as well as university guidelines for assigning animals into USDA Pain and Distress categories. The annual report of animal usage by research facility, the core element of this analysis, was obtained from the USDA Animal and Plant Health Inspection Service (APHIS).

### Keywords

research, science, medicine, animal-welfare, animal-testing, pain-and-distress, USDA, animal-experimentation, in-vivo-testing, animal-rights, ethics.

## Disclaimer & Purpose

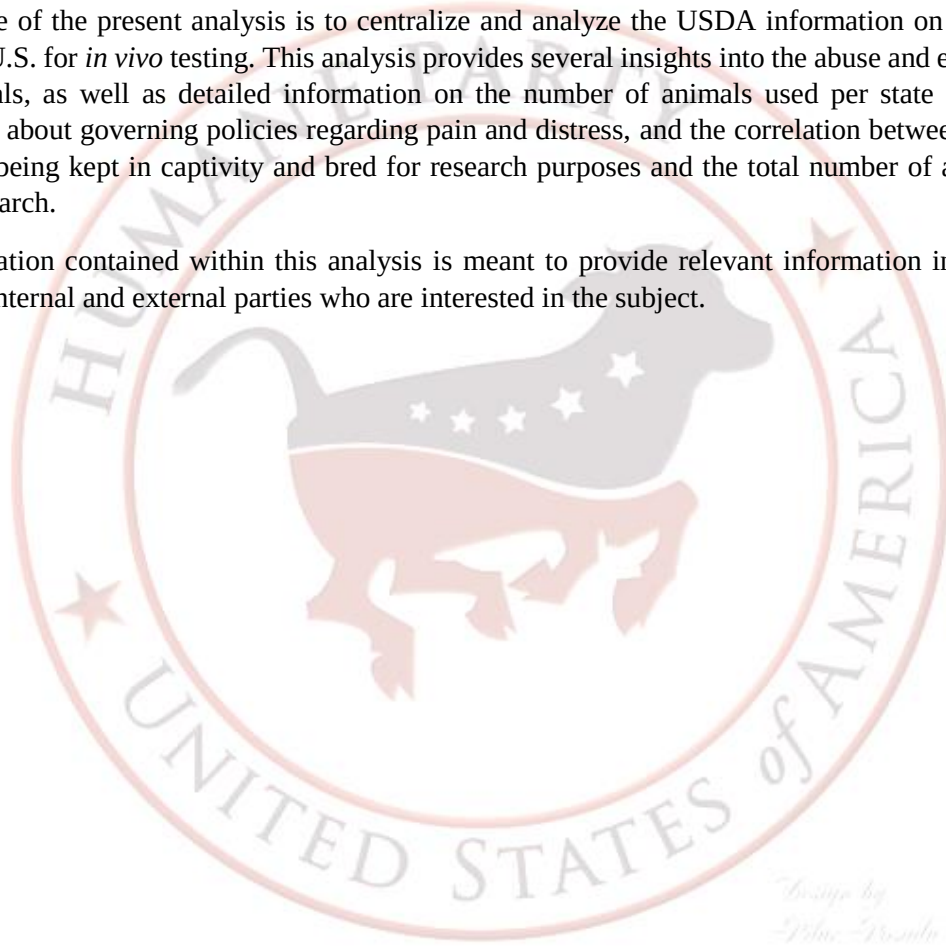
### Disclaimer

It is important to highlight that the Animal Welfare Act (AWA) does not protect all animals; as such, the numbers shown by the USDA reports and this report are not representative of the real total of animals being used for research. Rats, mice, fish and birds are among the animals not protected by the AWA, hence research in which these animals are used is not regulated by the AWA.

### Purposes

The purpose of the present analysis is to centralize and analyze the USDA information on animals used within the U.S. for *in vivo* testing. This analysis provides several insights into the abuse and exploitation of these animals, as well as detailed information on the number of animals used per state and category, information about governing policies regarding pain and distress, and the correlation between the number of animals being kept in captivity and bred for research purposes and the total number of animals being used in research.

The information contained within this analysis is meant to provide relevant information in a simplified manner to internal and external parties who are interested in the subject.



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## USDA Pain and Distress Policies & Categories

### Policy 11

Policy 11 provides guidance on painful and distressing procedures, defining pain and distress and categorizing pain and distress for uniform reporting (APHIS form 7023). Under this policy “a painful procedure is defined as any procedure [forced upon a non-human animal] that would reasonably be expected to cause more than slight or momentary pain and/or distress in a human being to which that procedure is applied” (APHIS/USDA Policy 11). The columns used to categorize pain and distress are explained in **table 1**:

Table 1 Pain and Distress Categories

| Category B                                                                                                                                                     | Category C                                                                                                                                                                                                                                             | Category D                                                                                                                                                                                                                  | Category E                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Animals being bred, acclimatized or held in captivity for future use in teaching, testing experiments, research or surgery but not yet used for said purposes. | Individual animals who do not experience pain/distress from testing procedures. Routine procedures that produce only mild or transient pain are reported in this category. Animals euthanized before manipulation are usually placed in this category. | Individual animals experiencing pain/distress which is alleviated with anesthetics, analgesics, sedatives and/or tranquilizers should be reported in this column. This category includes terminal surgery under anesthesia. | Individual animals from whom needed anesthetics, analgesics, sedatives, and/or tranquilizers are withheld should be reported in column E. For all column E animals, a written justification, approved by the Institutional Animal Care and Use Committee (IACUC), must be provided, including Code of Federal Regulations (CFR) references or other guidelines if appropriate. |
| Examples                                                                                                                                                       | Examples                                                                                                                                                                                                                                               | Examples                                                                                                                                                                                                                    | Examples                                                                                                                                                                                                                                                                                                                                                                       |
| 1. Animals being bred or housed, without any research manipulation, prior to euthanasia or transfer to another protocol.                                       | 1. Holding or weighing animals in teaching, outreach or research activities.<br>2. Observation of animal behavior in the lab.<br>3. Ear punching of rodents.                                                                                           | 1. Survival surgery.<br>2. Non-survival surgical procedures.<br>3. Laparoscopy or needle biopsies.<br>4. Retro-orbital blood collection.                                                                                    | 1. Toxicological or microbiological testing, cancer research or infectious disease research that requires continuation after clinical symptoms are evident without medical relief or require death as an endpoint.                                                                                                                                                             |

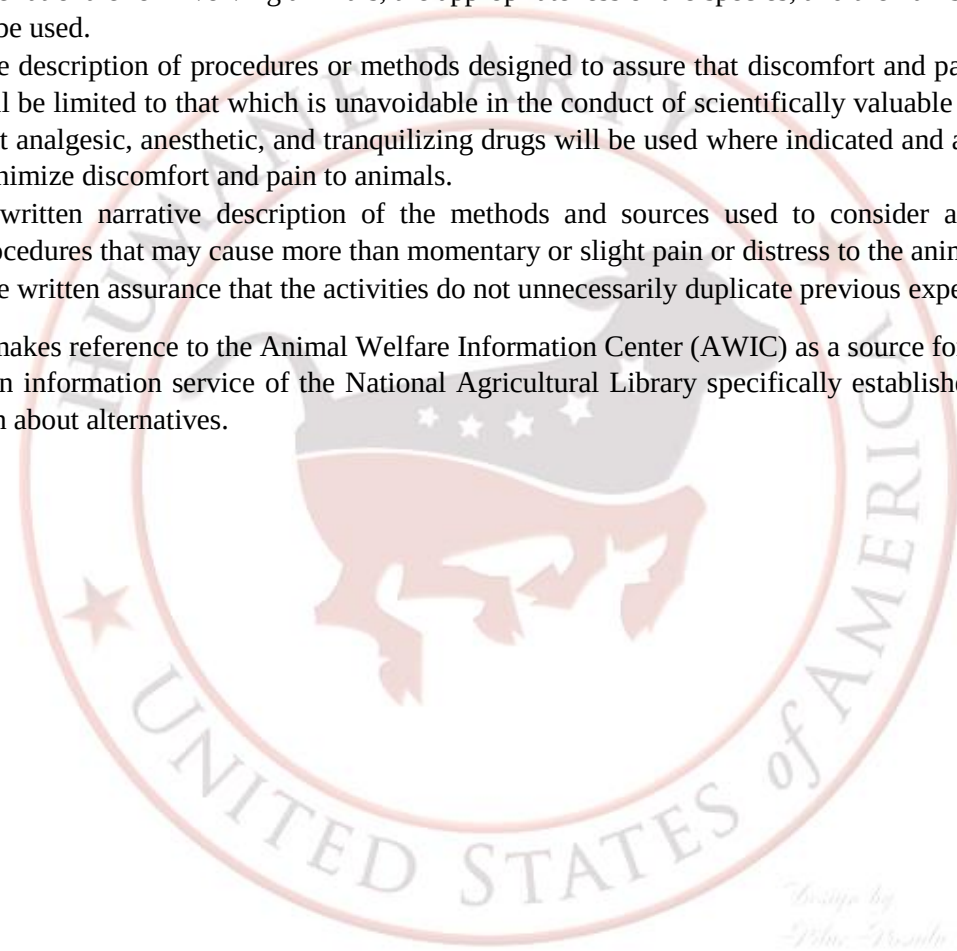
|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>4. Tail snips in mice <math>\leq</math> 21 days old.</p> <p>5. Peripheral injections, blood collection or catheter implantation.</p> <p>6. Feed studies, which do not result in clinical health problems.</p> <p>7. Chemical restraint.</p> <p>8. Exposure to alterations in environmental conditions (not extreme) with appropriate conditioning and microenvironment.</p> <p>9. Food restriction that reduces the animals weight by no more than 20% of normal age matched controls.</p> <p>10. Euthanasia of breeding animals or unused offspring.</p> <p>11. Exsanguination with anesthesia.</p> <p>12. Perfusion with anesthesia.</p> <p>13. Unknown genetically engineered phenotype.</p> | <p>5. Exposure of blood vessels for catheter implantation.</p> <p>6. Induced infections or antibody production.</p> <p>7. Tattooing.</p> <p>8. Exposure of skin to UV light to induce sunburn.</p> <p>9. Tail snips in mice &gt; 21 days old.</p> <p>10. Genetically engineered phenotype that causes pain or distress that will be alleviated.</p> | <p>2. Ocular or skin irritancy testing</p> <p>3. Food or water deprivation beyond that necessary for ordinary pre-surgical preparation.</p> <p>4. Application of noxious stimuli such as electrical shock that the animal cannot avoid/escape.</p> <p>5. Any procedures for which needed analgesics, tranquilizers, sedatives, or anesthetics must be withheld for justifiable study purposes (approved by IACUC).</p> <p>6. Exposure to extreme environmental conditions.</p> <p>7. Euthanasia by procedures not approved by the American Veterinary Medical Association (AVMA).</p> <p>8. Paralysis or immobilization of a conscious animal.</p> <p>9. Genetically engineered phenotype that causes pain or distress that will not be alleviated.</p> |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Policy 12

Policy 12 provides guidance on the requirement to provide a written narrative of the consideration of alternatives to painful and distressful procedures. Animal Welfare Act (AWA) regulations require that principal researchers consider alternatives to procedures that cause pain or distress to animals; the required written narrative must contain the methodology and sources reviewed to determine the availability of alternatives. The proposal of any activity involving pain/distress to animals or the proposal of a significant change to any ongoing activity must include:

- The rationale for involving animals, the appropriateness of the species, and the number of animals to be used.
- The description of procedures or methods designed to assure that discomfort and pain to animals will be limited to that which is unavoidable in the conduct of scientifically valuable research, and that analgesic, anesthetic, and tranquilizing drugs will be used where indicated and appropriate to minimize discomfort and pain to animals.
- A written narrative description of the methods and sources used to consider alternatives to procedures that may cause more than momentary or slight pain or distress to the animals.
- The written assurance that the activities do not unnecessarily duplicate previous experiments.

Policy 12 makes reference to the Animal Welfare Information Center (AWIC) as a source for alternatives. AWIC is an information service of the National Agricultural Library specifically established to provide information about alternatives.





## Number of Animals by Category

A review of the annual report of animal usage for 2015 allowed for the calculation of the totals and percentages of animals in captivity for research and experimentation.

It is important to highlight that the USDA does not add Column B to the total of animals in their report. The rationale for not adding them is that Column B animals “do not experience pain/distress from testing procedures.” Animals within Column B have not been used in any procedure or research. For the purposes of this analysis, a total including Column B animals is calculated. Column B animals are being kept in captivity for research and testing purposes; these animals are being bred and kept in artificial environments against their natural instincts and best individual interests, therefore generating distress (Verga 2000; Morgan and Tromborg 2008). **Table 2** illustrates the breakdown of totals and percentages for the entire United States during 2015:

*Table 2 Total animals for research 2015 per category*

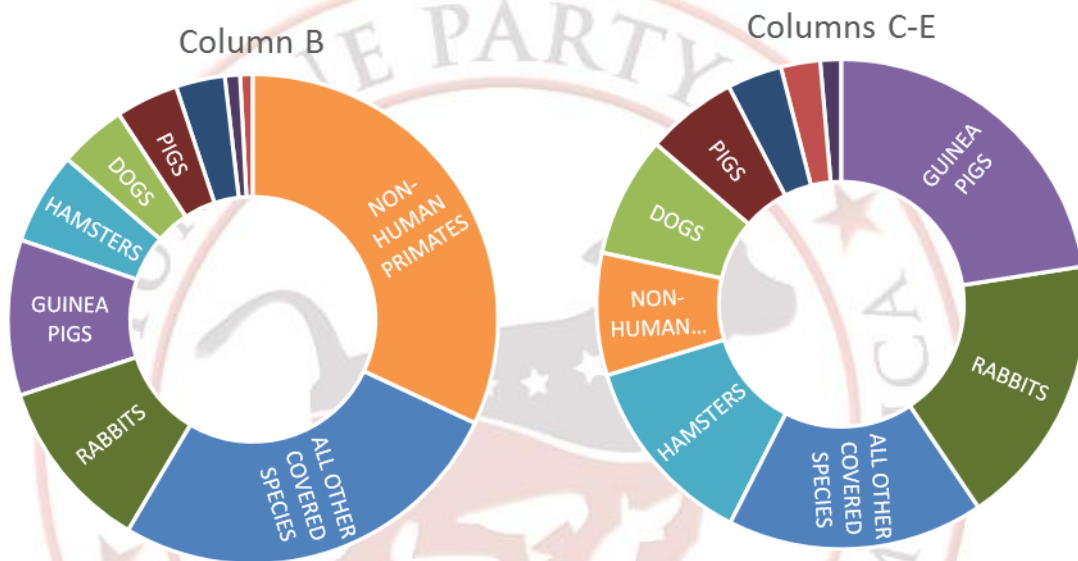
| CATEGORY                  | COLUMN B       | COLUMN C       | COLUMN D       | COLUMN E      | TOTAL USDA     | TOTAL          | PERCENTAGE |
|---------------------------|----------------|----------------|----------------|---------------|----------------|----------------|------------|
| ALL OTHER COVERED SPECIES | 36,221         | 86,618         | 39,652         | 3,796         | 130,066        | 166,287        | 18.39%     |
| CATS                      | 1,149          | 12,586         | 7,288          | 58            | 19,932         | 21,081         | 2.33%      |
| DOGS                      | 6,080          | 40,071         | 20,668         | 362           | 61,101         | 67,181         | 7.43%      |
| GUINEA PIGS               | 14,033         | 120,519        | 29,927         | 22,418        | 172,864        | 186,897        | 20.67%     |
| HAMSTERS                  | 8,309          | 45,863         | 20,000         | 32,557        | 98,420         | 106,729        | 11.80%     |
| NON-HUMAN PRIMATES        | 43,634         | 32,962         | 27,972         | 1,016         | 61,950         | 105,584        | 11.68%     |
| OTHER FARM ANIMALS        | 4,419          | 16,037         | 10,416         | 1,333         | 27,786         | 32,205         | 3.56%      |
| PIGS                      | 5,654          | 10,194         | 35,422         | 861           | 46,477         | 52,131         | 5.77%      |
| RABBITS                   | 15,662         | 77,838         | 53,998         | 6,512         | 138,348        | 154,010        | 17.03%     |
| SHEEP                     | 1,364          | 3,284          | 7,275          | 119           | 10,678         | 12,042         | 1.33%      |
| <b>TOTALS</b>             | <b>136,525</b> | <b>445,972</b> | <b>252,618</b> | <b>69,032</b> | <b>767,622</b> | <b>904,147</b> |            |
| <b>PERCENTAGE</b>         | <b>15.10%</b>  | <b>49.33%</b>  | <b>27.94%</b>  | <b>7.64%</b>  |                |                |            |

## Other Findings

### Comparison of Category B to Categories C, D and E

Column B represents animals being bred and kept for research purposes. Column B's relationship with other categories should be proportionate to the utilization of animals. **Figure 1** compares column B (left) to all other columns (right).

Figure 1 Correlation between columns B & C-E

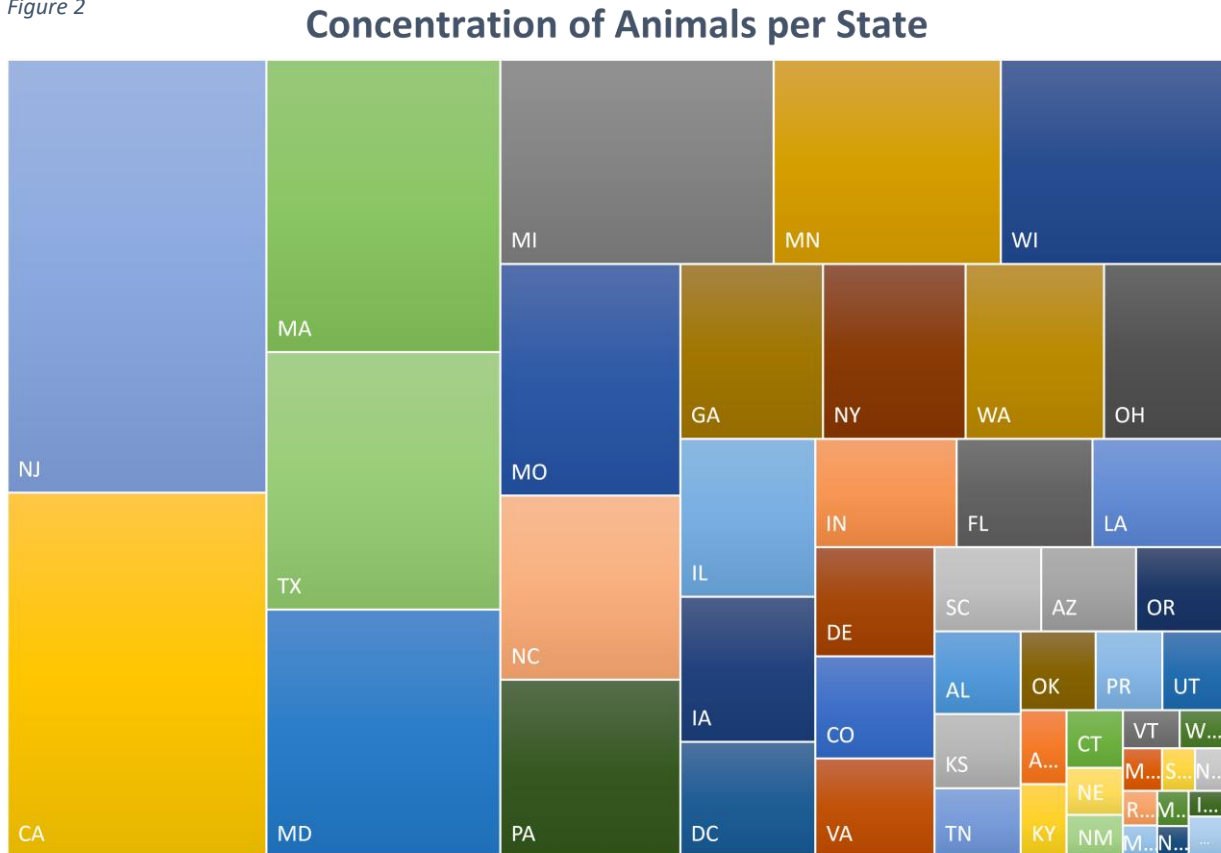


The most disproportionate species in this comparison are non-human primates, guinea pigs and rabbits. In the case of guinea pigs and rabbits, there are more animals being used for research than there are being bred and kept; a possible explanation is that these animals are being used for long term research (+1 year) or repeatedly used for different research. In the particular case of non-human primates, the disproportion is particularly wide, more animals are being bred and kept in captivity than are being used. A possible explanation would be that non-human primates are being used in high mortality rate research; however, if this were the case, there would be a higher number of non-human primates in other categories from column C-E. It is unclear why there is such a high number of non-human primates being bred and kept captive.

## Concentration of Animals per State

Figure 2 shows the concentration of animals being used or bred for research in all categories per state:

Figure 2



The states with a higher concentration of animals bred or used for research purposes are:

|       |        |       |       |
|-------|--------|-------|-------|
| 1- NJ | 11.54% | 2- CA | 9.71% |
| 3- MA | 7.03%  | 4- TX | 6.19% |
| 5- MD | 5.95%  | 6- MI | 5.74% |
| 7- MN | 4.78%  | 8- WI | 4.74% |

## Exhibits

Exhibit 1-1 Animals kept per state under Column B category

| State | ALL OTHER COVERED SPECIES | CATS | DOGS | GUINEA PIGS | HAMSTERS | NON-HUMAN PRIMATES | OTHER FARM ANIMALS | PIGS  | RABBITS | SHEEP | Total  |
|-------|---------------------------|------|------|-------------|----------|--------------------|--------------------|-------|---------|-------|--------|
| AK    | 91                        | 0    | 0    | 0           | 0        | 0                  | 0                  | 0     | 0       | 0     | 91     |
| AL    | 14                        | 54   | 139  | 0           | 0        | 96                 | 303                | 646   | 163     | 30    | 1,445  |
| AR    | 3                         | 0    | 53   | 14          | 0        | 51                 | 0                  | 0     | 90      | 0     | 211    |
| AZ    | 0                         | 0    | 7    | 0           | 0        | 0                  | 0                  | 23    | 22      | 27    | 79     |
| CA    | 1,685                     | 174  | 145  | 1,163       | 296      | 4,007              | 1,846              | 85    | 2,339   | 36    | 11,776 |
| CO    | 671                       | 31   | 20   | 105         | 177      | 0                  | 0                  | 17    | 35      | 130   | 1,186  |
| CT    | 86                        | 2    | 24   | 1           | 1        | 25                 | 0                  | 0     | 8       | 0     | 147    |
| DC    | 111                       | 24   | 0    | 0           | 0        | 433                | 0                  | 0     | 0       | 0     | 568    |
| DE    | 0                         | 0    | 0    | 0           | 0        | 0                  | 233                | 0     | 4,036   | 32    | 4,301  |
| FL    | 891                       | 0    | 4    | 0           | 86       | 4,774              | 1                  | 2     | 8       | 8     | 5,774  |
| GA    | 1,378                     | 4    | 0    | 1           | 0        | 1,601              | 0                  | 96    | 15      | 0     | 3,095  |
| HI    | 0                         | 0    | 0    | 0           | 0        | 0                  | 0                  | 0     | 0       | 0     | 0      |
| IA    | 274                       | 9    | 13   | 88          | 1,906    | 0                  | 23                 | 2,912 | 33      | 0     | 5,258  |
| ID    | 358                       | 3    | 0    | 0           | 0        | 0                  | 1                  | 0     | 0       | 0     | 362    |
| IL    | 606                       | 51   | 134  | 199         | 0        | 124                | 43                 | 15    | 159     | 106   | 1,437  |
| IN    | 126                       | 27   | 152  | 0           | 0        | 117                | 0                  | 5     | 6       | 0     | 433    |
| KS    | 3                         | 6    | 136  | 33          | 1        | 0                  | 12                 | 1     | 44      | 0     | 236    |
| KY    | 348                       | 17   | 0    | 0           | 0        | 0                  | 286                | 215   | 24      | 83    | 973    |
| LA    | 102                       | 71   | 10   | 0           | 0        | 9,885              | 129                | 0     | 5       | 3     | 10,205 |
| MA    | 2,019                     | 0    | 71   | 969         | 2,073    | 1,570              | 693                | 122   | 841     | 0     | 8,358  |
| MD    | 5,580                     | 0    | 0    | 249         | 936      | 4,784              | 15                 | 7     | 111     | 0     | 11,682 |
| ME    | 0                         | 0    | 0    | 0           | 0        | 0                  | 131                | 0     | 80      | 0     | 211    |
| MI    | 180                       | 28   | 135  | 8,445       | 0        | 792                | 8                  | 0     | 8       | 0     | 9,596  |
| MN    | 16                        | 0    | 50   | 841         | 45       | 17                 | 23                 | 167   | 315     | 13    | 1,487  |
| MO    | 91                        | 155  | 256  | 156         | 0        | 12                 | 14                 | 404   | 17      | 0     | 1,105  |
| MS    | 15                        | 0    | 16   | 0           | 0        | 21                 | 0                  | 6     | 0       | 0     | 58     |

Exhibit 1-2 Animals kept per state under Column B category -Continuation-

|              |        |       |       |        |       |        |       |       |        |       |         |
|--------------|--------|-------|-------|--------|-------|--------|-------|-------|--------|-------|---------|
| MT           | 315    | 0     | 0     | 0      | 488   | 0      | 0     | 0     | 0      | 0     | 803     |
| NC           | 149    | 54    | 17    | 354    | 0     | 0      | 0     | 34    | 64     | 1     | 673     |
| ND           | 0      | 0     | 0     | 0      | 0     | 0      | 0     | 0     | 0      | 171   | 171     |
| NE           | 7      | 0     | 0     | 0      | 69    | 0      | 0     | 0     | 2      | 0     | 78      |
| NH           | 0      | 0     | 0     | 0      | 0     | 0      | 0     | 0     | 0      | 0     | 0       |
| NJ           | 1      | 10    | 166   | 164    | 843   | 606    | 0     | 0     | 409    | 0     | 2,199   |
| NM           | 182    | 34    | 21    | 2      | 16    | 196    | 0     | 0     | 0      | 0     | 451     |
| NV           | 0      | 0     | 0     | 5      | 0     | 0      | 0     | 0     | 0      | 0     | 5       |
| NY           | 693    | 23    | 43    | 31     | 58    | 143    | 23    | 13    | 45     | 0     | 1,072   |
| OH           | 633    | 252   | 401   | 794    | 8     | 30     | 21    | 68    | 45     | 7     | 2,259   |
| OK           | 28     | 0     | 101   | 0      | 0     | 567    | 7     | 0     | 19     | 26    | 748     |
| OR           | 33     | 0     | 0     | 0      | 0     | 2,111  | 0     | 0     | 0      | 0     | 2,144   |
| PA           | 1,659  | 15    | 40    | 101    | 650   | 35     | 238   | 32    | 1,516  | 209   | 4,495   |
| PR           | 0      | 0     | 0     | 0      | 0     | 2,093  | 0     | 0     | 0      | 0     | 2,093   |
| RI           | 35     | 0     | 0     | 4      | 58    | 0      | 0     | 4     | 115    | 0     | 216     |
| SC           | 4,341  | 0     | 0     | 1      | 51    | 0      | 0     | 0     | 0      | 0     | 4,393   |
| SD           | 0      | 0     | 0     | 0      | 0     | 0      | 87    | 3     | 5      | 5     | 100     |
| TN           | 536    | 20    | 53    | 0      | 257   | 54     | 0     | 0     | 0      | 0     | 920     |
| TX           | 11,116 | 44    | 127   | 148    | 74    | 2,586  | 166   | 156   | 4,368  | 387   | 19,172  |
| UT           | 0      | 0     | 41    | 0      | 119   | 5      | 24    | 3     | 0      | 15    | 207     |
| VA           | 161    | 2     | 7     | 22     | 35    | 13     | 0     | 455   | 32     | 0     | 727     |
| VT           | 0      | 0     | 0     | 0      | 0     | 0      | 0     | 0     | 0      | 0     | 0       |
| WA           | 465    | 0     | 54    | 77     | 53    | 4,810  | 91    | 12    | 374    | 6     | 5,942   |
| WI           | 1,067  | 39    | 3,644 | 66     | 9     | 2,076  | 1     | 151   | 309    | 42    | 7,404   |
| WV           | 129    | 0     | 0     | 0      | 0     | 0      | 0     | 0     | 0      | 0     | 129     |
| WY           | 23     | 0     | 0     | 0      | 0     | 0      | 0     | 0     | 0      | 27    | 50      |
| REPORT TOTAL | 36,221 | 1,149 | 6,080 | 14,033 | 8,309 | 43,634 | 4,419 | 5,654 | 15,662 | 1,364 | 136,525 |

Exhibit 2-1 Animals kept per state under Column C category

| State | ALL OTHER COVERED SPECIES | CATS  | DOGS  | GUINEA PIGS | HAMSTERS | NON-HUMAN PRIMATES | OTHER FARM ANIMALS | PIGS  | RABBITS | SHEEP | Total  |
|-------|---------------------------|-------|-------|-------------|----------|--------------------|--------------------|-------|---------|-------|--------|
| AK    | 87                        | 0     | 0     | 0           | 0        | 0                  | 10                 | 0     | 0       | 0     | 97     |
| AL    | 434                       | 153   | 684   | 74          | 0        | 203                | 661                | 61    | 214     | 35    | 2,519  |
| AR    | 2                         | 136   | 654   | 24          | 53       | 100                | 4                  | 8     | 800     | 0     | 1,781  |
| AZ    | 3,573                     | 499   | 1,507 | 86          | 24       | 3                  | 273                | 9     | 108     | 44    | 6,126  |
| CA    | 5,543                     | 2,013 | 4,812 | 5,667       | 644      | 1,238              | 5,941              | 247   | 15,546  | 178   | 41,829 |
| CO    | 1,078                     | 395   | 729   | 2,181       | 887      | 1                  | 201                | 159   | 640     | 5     | 6,276  |
| CT    | 440                       | 0     | 150   | 27          | 71       | 234                | 0                  | 0     | 49      | 0     | 971    |
| DC    | 9,982                     | 4     | 0     | 85          | 438      | 122                | 0                  | 0     | 0       | 0     | 10,631 |
| DE    | 382                       | 70    | 0     | 3           | 0        | 0                  | 467                | 0     | 5,993   | 18    | 7,022  |
| FL    | 1,946                     | 79    | 295   | 60          | 9        | 1,019              | 394                | 2     | 35      | 0     | 3,839  |
| GA    | 2,012                     | 413   | 1,725 | 406         | 1,910    | 367                | 55                 | 297   | 1,039   | 0     | 8,224  |
| HI    | 5                         | 27    | 82    | 0           | 0        | 0                  | 0                  | 0     | 0       | 35    | 149    |
| IA    | 476                       | 139   | 245   | 151         | 2,497    | 5                  | 203                | 384   | 291     | 397   | 4,788  |
| ID    | 40                        | 48    | 79    | 16          | 0        | 0                  | 64                 | 2     | 42      | 0     | 291    |
| IL    | 2,573                     | 534   | 1,616 | 2,143       | 8        | 444                | 497                | 630   | 721     | 365   | 9,531  |
| IN    | 3,309                     | 275   | 620   | 13          | 3,096    | 222                | 86                 | 35    | 313     | 124   | 8,093  |
| KS    | 19                        | 649   | 1,441 | 220         | 63       | 118                | 529                | 578   | 322     | 21    | 3,960  |
| KY    | 147                       | 27    | 149   | 2           | 30       | 0                  | 226                | 1     | 5       | 5     | 592    |
| LA    | 0                         | 32    | 85    | 0           | 0        | 702                | 115                | 0     | 13      | 3     | 950    |
| MA    | 2,943                     | 6     | 1,292 | 12,819      | 4,160    | 4,887              | 134                | 3,583 | 5,113   | 115   | 35,052 |
| MD    | 10,144                    | 35    | 688   | 3,100       | 1,668    | 3,506              | 248                | 184   | 1,893   | 20    | 21,486 |
| ME    | 359                       | 91    | 23    | 0           | 0        | 0                  | 398                | 0     | 105     | 2     | 978    |
| MI    | 1,323                     | 230   | 3,371 | 8,538       | 29       | 2,193              | 666                | 1,087 | 4,763   | 271   | 22,471 |
| MN    | 344                       | 1,598 | 1,526 | 26,345      | 82       | 10                 | 300                | 211   | 3,951   | 139   | 34,506 |
| MO    | 1,536                     | 1,212 | 1,505 | 3,050       | 415      | 38                 | 74                 | 1,124 | 862     | 10    | 9,826  |
| MS    | 9                         | 3     | 19    | 4           | 0        | 0                  | 29                 | 1     | 0       | 0     | 65     |



Exhibit 2-2 Animals kept per state under Column C category -Continuation-

|                     |               |               |               |                |               |               |               |               |               |              |                |
|---------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|--------------|----------------|
| MT                  | 36            | 2             | 0             | 0              | 110           | 0             | 32            | 0             | 1             | 0            | 181            |
| NC                  | 3,169         | 333           | 879           | 8,047          | 36            | 79            | 225           | 366           | 2,032         | 72           | 15,238         |
| ND                  | 0             | 248           | 251           | 7              | 0             | 0             | 299           | 24            | 10            | 87           | 926            |
| NE                  | 940           | 0             | 79            | 0              | 255           | 55            | 0             | 1             | 5             | 0            | 1,335          |
| NH                  | 86            | 0             | 0             | 0              | 152           | 0             | 45            | 0             | 0             | 0            | 283            |
| NJ                  | 2,291         | 139           | 3,679         | 35,860         | 25,468        | 2,450         | 45            | 144           | 4,218         | 0            | 74,294         |
| NM                  | 272           | 10            | 232           | 21             | 0             | 41            | 0             | 10            | 3             | 0            | 589            |
| NV                  | 19            | 6             | 58            | 22             | 0             | 0             | 134           | 0             | 4             | 2            | 245            |
| NY                  | 6,697         | 248           | 931           | 935            | 985           | 989           | 427           | 1             | 445           | 6            | 11,664         |
| OH                  | 550           | 947           | 3,465         | 46             | 14            | 914           | 58            | 110           | 2,708         | 5            | 8,817          |
| OK                  | 244           | 82            | 258           | 2,248          | 8             | 0             | 494           | 16            | 34            | 12           | 3,396          |
| OR                  | 1,040         | 22            | 23            | 0              | 0             | 11            | 143           | 10            | 10            | 26           | 1,285          |
| PA                  | 2,224         | 748           | 1,374         | 964            | 657           | 559           | 746           | 22            | 8,559         | 553          | 16,406         |
| PR                  | 0             | 0             | 0             | 0              | 0             | 2,637         | 0             | 0             | 0             | 0            | 2,637          |
| RI                  | 22            | 48            | 46            | 0              | 8             | 9             | 64            | 0             | 114           | 0            | 311            |
| SC                  | 2,335         | 21            | 40            | 159            | 2             | 70            | 80            | 0             | 5             | 0            | 2,712          |
| SD                  | 316           | 11            | 8             | 4              | 3             | 0             | 48            | 0             | 6             | 0            | 396            |
| TN                  | 167           | 225           | 370           | 4              | 40            | 0             | 31            | 36            | 18            | 0            | 891            |
| TX                  | 7,690         | 366           | 847           | 1,860          | 781           | 2,794         | 987           | 117           | 3,396         | 120          | 18,958         |
| UT                  | 37            | 201           | 371           | 6              | 215           | 0             | 221           | 20            | 182           | 97           | 1,350          |
| VA                  | 5,942         | 0             | 20            | 422            | 151           | 2             | 40            | 428           | 93            | 95           | 7,193          |
| VT                  | 48            | 0             | 0             | 27             | 0             | 0             | 0             | 0             | 0             | 190          | 265            |
| WA                  | 1,520         | 93            | 311           | 3,610          | 2             | 2,579         | 143           | 29            | 522           | 131          | 8,940          |
| WI                  | 1,327         | 162           | 3,420         | 1,255          | 881           | 4,361         | 182           | 254           | 12,644        | 53           | 24,539         |
| WV                  | 842           | 6             | 23            | 4              | 6             | 0             | 0             | 0             | 11            | 0            | 892            |
| WY                  | 98            | 0             | 0             | 4              | 5             | 0             | 18            | 3             | 0             | 48           | 176            |
| <b>REPORT TOTAL</b> | <b>86,618</b> | <b>12,586</b> | <b>40,071</b> | <b>120,519</b> | <b>45,863</b> | <b>32,962</b> | <b>16,037</b> | <b>10,194</b> | <b>77,838</b> | <b>3,284</b> | <b>445,972</b> |

Exhibit 3-1 Animals kept per state under Column D category

| State | ALL OTHER COVERED SPECIES | CATS | DOGS  | GUINEA PIGS | HAMSTERS | NON-HUMAN PRIMATES | OTHER FARM ANIMALS | PIGS  | RABBITS | SHEEP | Total  |
|-------|---------------------------|------|-------|-------------|----------|--------------------|--------------------|-------|---------|-------|--------|
| AK    | 102                       | 0    | 0     | 0           | 0        | 0                  | 0                  | 0     | 0       | 0     | 102    |
| AL    | 181                       | 108  | 601   | 160         | 0        | 143                | 229                | 399   | 517     | 19    | 2,357  |
| AR    | 39                        | 11   | 67    | 0           | 0        | 54                 | 62                 | 683   | 253     | 0     | 1,169  |
| AZ    | 135                       | 71   | 131   | 4           | 160      | 39                 | 43                 | 393   | 99      | 130   | 1,205  |
| CA    | 5,068                     | 483  | 1,387 | 2,758       | 1,606    | 2,447              | 687                | 6,360 | 8,938   | 975   | 30,709 |
| CO    | 409                       | 112  | 146   | 318         | 257      | 0                  | 242                | 600   | 535     | 270   | 2,889  |
| CT    | 603                       | 1    | 89    | 71          | 0        | 69                 | 0                  | 173   | 20      | 1     | 1,027  |
| DC    | 2,227                     | 5    | 36    | 11          | 9        | 29                 | 0                  | 301   | 292     | 0     | 2,910  |
| DE    | 0                         | 16   | 8     | 14          | 0        | 0                  | 6                  | 0     | 729     | 1     | 774    |
| FL    | 788                       | 258  | 508   | 214         | 190      | 222                | 74                 | 1,057 | 249     | 141   | 3,701  |
| GA    | 1,156                     | 300  | 364   | 668         | 940      | 2,037              | 13                 | 465   | 464     | 89    | 6,496  |
| HI    | 0                         | 60   | 106   | 0           | 0        | 0                  | 0                  | 20    | 8       | 0     | 194    |
| IA    | 113                       | 185  | 466   | 239         | 108      | 3                  | 211                | 836   | 870     | 32    | 3,063  |
| ID    | 164                       | 25   | 25    | 0           | 0        | 0                  | 32                 | 0     | 0       | 0     | 246    |
| IL    | 1,218                     | 271  | 1,688 | 364         | 1,893    | 433                | 129                | 596   | 1,419   | 139   | 8,150  |
| IN    | 1,476                     | 70   | 274   | 337         | 31       | 112                | 104                | 254   | 835     | 268   | 3,761  |
| KS    | 170                       | 65   | 151   | 503         | 21       | 44                 | 63                 | 613   | 133     | 0     | 1,763  |
| KY    | 472                       | 160  | 192   | 30          | 38       | 115                | 80                 | 212   | 196     | 36    | 1,531  |
| LA    | 64                        | 150  | 519   | 8           | 11       | 1,091              | 150                | 122   | 143     | 0     | 2,258  |
| MA    | 1,385                     | 56   | 486   | 4,653       | 916      | 2,367              | 31                 | 2,168 | 4,759   | 338   | 17,159 |
| MD    | 3,258                     | 23   | 314   | 4,550       | 1,161    | 4,114              | 27                 | 1,342 | 1,809   | 182   | 16,780 |
| ME    | 0                         | 317  | 32    | 0           | 0        | 0                  | 0                  | 20    | 0       | 0     | 369    |
| MI    | 524                       | 236  | 2,261 | 865         | 125      | 1,494              | 23                 | 1,006 | 2,557   | 221   | 9,312  |
| MN    | 44                        | 690  | 1,012 | 501         | 522      | 104                | 288                | 2,081 | 1,461   | 382   | 7,085  |
| MO    | 794                       | 337  | 766   | 6,050       | 1,449    | 58                 | 31                 | 986   | 2,944   | 67    | 13,482 |
| MS    | 232                       | 14   | 35    | 18          | 7        | 92                 | 51                 | 303   | 145     | 4     | 901    |



Exhibit 3-2 Animals kept per state under Column D category -Continuation-

|              |        |       |        |        |        |        |        |        |        |       |         |
|--------------|--------|-------|--------|--------|--------|--------|--------|--------|--------|-------|---------|
| MT           | 0      | 0     | 0      | 0      | 0      | 14     | 28     | 0      | 0      | 0     | 42      |
| NC           | 1,825  | 794   | 1,147  | 254    | 840    | 1,038  | 4,884  | 1,430  | 2,092  | 121   | 14,425  |
| ND           | 0      | 57    | 50     | 0      | 0      | 0      | 13     | 19     | 0      | 2     | 141     |
| NE           | 121    | 65    | 71     | 23     | 296    | 39     | 51     | 287    | 107    | 0     | 1,060   |
| NH           | 45     | 0     | 2      | 0      | 0      | 2      | 2      | 18     | 3      | 74    |         |
| NJ           | 792    | 365   | 1,813  | 3,087  | 3,631  | 1,280  | 5      | 686    | 6,491  | 7     | 18,157  |
| NM           | 191    | 0     | 43     | 2      | 83     | 307    | 0      | 50     | 2      | 0     | 678     |
| NV           | 60     | 47    | 369    | 2      | 0      | 0      | 88     | 92     | 2      | 0     | 660     |
| NY           | 2,386  | 290   | 606    | 557    | 1,211  | 770    | 98     | 1,177  | 1,776  | 313   | 9,184   |
| OH           | 2,530  | 366   | 1,030  | 1,009  | 535    | 284    | 198    | 1,807  | 856    | 126   | 8,741   |
| OK           | 282    | 19    | 149    | 94     | 0      | 144    | 119    | 4      | 69     | 79    | 959     |
| OR           | 163    | 12    | 28     | 309    | 14     | 2,372  | 87     | 113    | 282    | 244   | 3,624   |
| PA           | 159    | 432   | 506    | 717    | 297    | 700    | 111    | 698    | 4,286  | 239   | 8,145   |
| PR           | 0      | 0     | 0      | 0      | 0      | 118    | 0      | 21     | 18     | 0     | 157     |
| RI           | 66     | 2     | 5      | 0      | 93     | 29     | 0      | 159    | 220    | 0     | 574     |
| SC           | 227    | 148   | 187    | 0      | 0      | 357    | 0      | 222    | 31     | 20    | 1,192   |
| SD           | 345    | 0     | 0      | 0      | 0      | 0      | 20     | 10     | 5      | 70    | 450     |
| TN           | 828    | 71    | 273    | 107    | 363    | 186    | 153    | 1,201  | 138    | 3     | 3,323   |
| TX           | 3,202  | 90    | 360    | 163    | 1,488  | 1,444  | 1,532  | 2,850  | 4,455  | 271   | 15,855  |
| UT           | 132    | 73    | 263    | 5      | 193    | 40     | 94     | 103    | 829    | 146   | 1,878   |
| VA           | 33     | 66    | 197    | 54     | 0      | 74     | 106    | 2,114  | 322    | 56    | 3,022   |
| VT           | 0      | 0     | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 1,753 | 1,753   |
| WA           | 4,529  | 65    | 410    | 53     | 539    | 766    | 153    | 576    | 274    | 171   | 7,536   |
| WI           | 627    | 242   | 1,413  | 1,155  | 973    | 2,941  | 75     | 809    | 2,328  | 232   | 10,795  |
| WV           | 422    | 37    | 39     | 0      | 0      | 0      | 20     | 2      | 18     | 92    | 630     |
| WY           | 65     | 23    | 43     | 0      | 0      | 0      | 3      | 0      | 4      | 32    | 170     |
| REPORT TOTAL | 39,652 | 7,288 | 20,668 | 29,927 | 20,000 | 27,972 | 10,416 | 35,422 | 53,998 | 7,275 | 252,618 |

Exhibit 4-1 Animals kept per state under Column E category

| State | ALL OTHER COVERED SPECIES | CATS | DOGS | GUINEA PIGS | HAMSTERS | NON-HUMAN PRIMATES | OTHER FARM ANIMALS | PIGS | RABBITS | SHEEP | Total  |
|-------|---------------------------|------|------|-------------|----------|--------------------|--------------------|------|---------|-------|--------|
| AK    | 0                         | 0    | 0    | 0           | 0        | 0                  | 0                  | 0    | 0       | 0     | 0      |
| AL    | 27                        | 0    | 0    | 12          | 0        | 0                  | 2                  | 9    | 224     | 0     | 274    |
| AR    | 0                         | 0    | 0    | 0           | 0        | 0                  | 0                  | 0    | 0       | 0     | 0      |
| AZ    | 1                         | 0    | 0    | 0           | 0        | 0                  | 0                  | 0    | 0       | 0     | 1      |
| CA    | 1,174                     | 0    | 0    | 272         | 277      | 18                 | 1,101              | 3    | 667     | 0     | 3,512  |
| CO    | 248                       | 0    | 0    | 352         | 353      | 0                  | 5                  | 0    | 0       | 28    | 986    |
| CT    | 15                        | 0    | 25   | 57          | 744      | 35                 | 0                  | 0    | 0       | 0     | 876    |
| DC    | 0                         | 0    | 0    | 378         | 0        | 0                  | 0                  | 0    | 0       | 0     | 378    |
| DE    | 0                         | 0    | 0    | 0           | 0        | 0                  | 0                  | 0    | 0       | 0     | 0      |
| FL    | 83                        | 0    | 6    | 204         | 0        | 0                  | 22                 | 33   | 0       | 0     | 348    |
| GA    | 95                        | 5    | 7    | 47          | 1,900    | 4                  | 0                  | 78   | 3,245   | 0     | 5,381  |
| HI    | 0                         | 0    | 0    | 0           | 42       | 0                  | 0                  | 0    | 0       | 0     | 42     |
| IA    | 0                         | 0    | 0    | 82          | 5,005    | 0                  | 0                  | 0    | 0       | 14    | 5,101  |
| ID    | 0                         | 0    | 0    | 0           | 0        | 0                  | 0                  | 0    | 0       | 0     | 0      |
| IL    | 214                       | 7    | 0    | 0           | 9        | 0                  | 0                  | 299  | 158     | 0     | 687    |
| IN    | 25                        | 0    | 0    | 38          | 1,894    | 0                  | 0                  | 0    | 0       | 0     | 1,957  |
| KS    | 0                         | 2    | 0    | 0           | 0        | 0                  | 0                  | 0    | 0       | 0     | 2      |
| KY    | 23                        | 0    | 0    | 0           | 0        | 0                  | 0                  | 0    | 0       | 0     | 23     |
| LA    | 0                         | 0    | 0    | 34          | 0        | 0                  | 0                  | 0    | 40      | 3     | 77     |
| MA    | 0                         | 0    | 0    | 2,607       | 173      | 16                 | 4                  | 21   | 199     | 0     | 3,020  |
| MD    | 99                        | 0    | 0    | 1,937       | 693      | 601                | 74                 | 198  | 291     | 0     | 3,893  |
| ME    | 0                         | 0    | 0    | 0           | 0        | 0                  | 0                  | 0    | 0       | 0     | 0      |
| MI    | 3                         | 8    | 0    | 10,443      | 0        | 12                 | 0                  | 7    | 10      | 66    | 10,549 |
| MN    | 11                        | 0    | 0    | 78          | 0        | 0                  | 0                  | 22   | 5       | 0     | 116    |
| MO    | 30                        | 36   | 95   | 254         | 14,017   | 0                  | 0                  | 0    | 4       | 0     | 14,436 |
| MS    | 1                         | 0    | 0    | 0           | 0        | 0                  | 0                  | 0    | 0       | 0     | 1      |

Exhibit 4-2 Animals kept per state under Column E category -Continuation-

|                 |       |    |     |        |        |       |       |     |       |     |        |
|-----------------|-------|----|-----|--------|--------|-------|-------|-----|-------|-----|--------|
| MT              | 0     | 0  | 0   | 0      | 0      | 0     | 0     | 0   | 0     | 0   | 0      |
| NC              | 32    | 0  | 0   | 495    | 0      | 10    | 0     | 0   | 0     | 0   | 537    |
| ND              | 0     | 0  | 0   | 0      | 0      | 0     | 0     | 0   | 0     | 0   | 0      |
| NE              | 0     | 0  | 0   | 0      | 0      | 0     | 0     | 0   | 0     | 0   | 0      |
| NH              | 0     | 0  | 0   | 0      | 0      | 0     | 0     | 0   | 0     | 0   | 0      |
| NJ              | 0     | 0  | 180 | 3,250  | 5,413  | 15    | 104   | 0   | 729   | 0   | 9,691  |
| NM              | 224   | 0  | 0   | 149    | 0      | 113   | 0     | 14  | 0     | 0   | 500    |
| NV              | 0     | 0  | 0   | 0      | 0      | 0     | 0     | 0   | 0     | 0   | 0      |
| NY              | 345   | 0  | 49  | 759    | 63     | 8     | 3     | 11  | 26    | 3   | 1,267  |
| OH              | 60    | 0  | 0   | 9      | 0      | 0     | 0     | 12  | 0     | 0   | 81     |
| OK              | 0     | 0  | 0   | 0      | 0      | 1     | 0     | 0   | 373   | 0   | 374    |
| OR              | 0     | 0  | 0   | 0      | 0      | 0     | 0     | 0   | 18    | 0   | 18     |
| PA              | 145   | 0  | 0   | 115    | 0      | 32    | 0     | 0   | 432   | 0   | 724    |
| PR              | 0     | 0  | 0   | 0      | 0      | 0     | 0     | 0   | 0     | 0   | 0      |
| RI              | 0     | 0  | 0   | 0      | 0      | 0     | 0     | 0   | 0     | 0   | 0      |
| SC              | 0     | 0  | 0   | 0      | 0      | 0     | 0     | 0   | 51    | 0   | 51     |
| SD              | 243   | 0  | 0   | 25     | 0      | 0     | 0     | 100 | 0     | 0   | 368    |
| TN              | 315   | 0  | 0   | 57     | 0      | 0     | 0     | 18  | 0     | 0   | 390    |
| TX              | 282   | 0  | 0   | 704    | 805    | 151   | 0     | 14  | 40    | 5   | 2,001  |
| UT              | 0     | 0  | 0   | 60     | 1,169  | 0     | 0     | 0   | 0     | 0   | 1,229  |
| VA              | 0     | 0  | 0   | 0      | 0      | 0     | 0     | 0   | 0     | 0   | 0      |
| VT              | 0     | 0  | 0   | 0      | 0      | 0     | 0     | 0   | 0     | 0   | 0      |
| WA              | 15    | 0  | 0   | 0      | 0      | 0     | 18    | 22  | 0     | 0   | 55     |
| WI              | 86    | 0  | 0   | 0      | 0      | 0     | 0     | 0   | 0     | 0   | 86     |
| WV              | 0     | 0  | 0   | 0      | 0      | 0     | 0     | 0   | 0     | 0   | 0      |
| WY              | 0     | 0  | 0   | 0      | 0      | 0     | 0     | 0   | 0     | 0   | 0      |
| REPORT<br>TOTAL | 3,796 | 58 | 362 | 22,418 | 32,557 | 1,016 | 1,333 | 861 | 6,512 | 119 | 69,032 |

Exhibit 5-1 Animals kept per state ALL PAIN AND DISTRESS TYPES (C-E per USDA)

| State | ALL OTHER COVERED SPECIES | CATS  | DOGS  | GUINEA PIGS | HAMSTERS | NON-HUMAN PRIMATES | OTHER FARM ANIMALS | PIGS  | RABBITS | SHEEP | Total  |
|-------|---------------------------|-------|-------|-------------|----------|--------------------|--------------------|-------|---------|-------|--------|
| AK    | 189                       | 0     | 0     | 0           | 0        | 0                  | 10                 | 0     | 0       | 0     | 199    |
| AL    | 642                       | 261   | 1,285 | 246         | 0        | 346                | 892                | 469   | 955     | 54    | 5,150  |
| AR    | 41                        | 147   | 721   | 24          | 53       | 154                | 66                 | 691   | 1,053   | 0     | 2,950  |
| AZ    | 3,709                     | 570   | 1,638 | 90          | 184      | 42                 | 316                | 402   | 207     | 174   | 7,332  |
| CA    | 11,785                    | 2,496 | 6,199 | 8,697       | 2,527    | 3,703              | 7,729              | 6,610 | 25,151  | 1,153 | 76,050 |
| CO    | 1,735                     | 507   | 875   | 2,851       | 1,497    | 1                  | 448                | 759   | 1,175   | 303   | 10,151 |
| CT    | 1,058                     | 1     | 264   | 155         | 815      | 338                | 0                  | 173   | 69      | 1     | 2,874  |
| DC    | 12,209                    | 9     | 36    | 474         | 447      | 151                | 0                  | 301   | 292     | 0     | 13,919 |
| DE    | 382                       | 86    | 97    | 17          | 0        | 0                  | 473                | 0     | 6,722   | 19    | 7,796  |
| FL    | 2,817                     | 337   | 809   | 478         | 199      | 1,241              | 490                | 1,092 | 284     | 141   | 7,888  |
| GA    | 3,263                     | 718   | 2,096 | 1,121       | 4,750    | 2,408              | 68                 | 840   | 4,748   | 89    | 20,101 |
| HI    | 5                         | 87    | 188   | 0           | 42       | 0                  | 0                  | 20    | 8       | 35    | 385    |
| IA    | 589                       | 324   | 711   | 472         | 7,610    | 8                  | 414                | 1,220 | 1,161   | 443   | 12,952 |
| ID    | 204                       | 73    | 104   | 16          | 0        | 0                  | 96                 | 2     | 42      | 0     | 537    |
| IL    | 4,005                     | 812   | 3,304 | 2,507       | 1,910    | 877                | 626                | 1,525 | 2,298   | 504   | 18,368 |
| IN    | 4,810                     | 345   | 894   | 388         | 5,021    | 334                | 190                | 289   | 1,148   | 392   | 13,811 |
| KS    | 189                       | 716   | 1,592 | 723         | 84       | 162                | 592                | 1,191 | 455     | 21    | 5,725  |
| KY    | 642                       | 187   | 341   | 32          | 68       | 115                | 306                | 213   | 201     | 41    | 2,146  |
| LA    | 64                        | 182   | 604   | 42          | 11       | 1,793              | 265                | 122   | 196     | 6     | 3,285  |
| MA    | 4,328                     | 62    | 1,778 | 20,079      | 5,249    | 7,270              | 169                | 5,772 | 10,071  | 453   | 55,231 |
| MD    | 13,501                    | 58    | 1,002 | 9,587       | 3,522    | 8,221              | 349                | 1,724 | 3,993   | 202   | 42,159 |
| ME    | 359                       | 408   | 55    | 0           | 0        | 0                  | 398                | 20    | 105     | 2     | 1,347  |
| MI    | 1,850                     | 474   | 5,632 | 19,846      | 154      | 3,699              | 689                | 2,100 | 7,330   | 558   | 42,332 |
| MN    | 399                       | 2,288 | 2,538 | 26,924      | 604      | 114                | 588                | 2,314 | 5,417   | 521   | 41,707 |
| MO    | 2,360                     | 1,585 | 2,366 | 9,354       | 15,881   | 96                 | 105                | 2,110 | 3,810   | 77    | 37,744 |
| MS    | 242                       | 17    | 54    | 22          | 7        | 92                 | 80                 | 304   | 145     | 4     | 967    |

Exhibit 5-2 Animals kept per state ALL PAIN AND DISTRESS TYPES (C-E per USDA) -Continuation-

|              |         |        |        |         |        |        |        |        |         |        |         |
|--------------|---------|--------|--------|---------|--------|--------|--------|--------|---------|--------|---------|
| MT           | 36      | 2      | 0      | 0       | 110    | 14     | 60     | 0      | 1       | 0      | 223     |
| NC           | 5,026   | 1,127  | 2,026  | 8,796   | 876    | 1,127  | 5,109  | 1,796  | 4,124   | 193    | 30,200  |
| ND           | 0       | 305    | 301    | 7       | 0      | 0      | 312    | 43     | 10      | 89     | 1,067   |
| NE           | 1,061   | 65     | 150    | 23      | 551    | 94     | 51     | 288    | 112     | 0      | 2,395   |
| NH           | 131     | 0      | 2      | 0       | 152    | 2      | 47     | 2      | 18      | 3      | 357     |
| NJ           | 3,083   | 504    | 5,672  | 42,197  | 34,512 | 3,745  | 154    | 830    | 11,438  | 7      | 102,142 |
| NM           | 687     | 10     | 275    | 172     | 83     | 461    | 0      | 74     | 5       | 0      | 1,767   |
| NV           | 79      | 53     | 427    | 24      | 0      | 0      | 222    | 92     | 6       | 2      | 905     |
| NY           | 9,428   | 538    | 1,586  | 2,251   | 2,259  | 1,767  | 528    | 1,189  | 2,247   | 322    | 22,115  |
| OH           | 3,140   | 1,313  | 4,495  | 1,064   | 549    | 1,198  | 256    | 1,929  | 3,564   | 131    | 17,639  |
| OK           | 526     | 101    | 407    | 2,342   | 8      | 145    | 613    | 20     | 476     | 91     | 4,729   |
| OR           | 1,203   | 34     | 51     | 309     | 14     | 2,383  | 230    | 123    | 310     | 270    | 4,927   |
| PA           | 2,528   | 1,180  | 1,880  | 1,796   | 954    | 1,291  | 857    | 720    | 13,277  | 792    | 25,275  |
| PR           | 0       | 0      | 0      | 0       | 0      | 2,755  | 0      | 21     | 18      | 0      | 2,794   |
| RI           | 88      | 50     | 51     | 0       | 101    | 38     | 64     | 159    | 334     | 0      | 885     |
| SC           | 2,562   | 169    | 227    | 159     | 2      | 427    | 80     | 222    | 87      | 20     | 3,955   |
| SD           | 904     | 11     | 8      | 29      | 3      | 0      | 68     | 110    | 11      | 70     | 1,214   |
| TN           | 1,310   | 296    | 643    | 168     | 403    | 186    | 184    | 1,255  | 156     | 3      | 4,604   |
| TX           | 11,174  | 456    | 1,207  | 2,727   | 3,074  | 4,389  | 2,519  | 2,981  | 7,891   | 396    | 36,814  |
| UT           | 169     | 274    | 634    | 71      | 1,577  | 40     | 315    | 123    | 1,011   | 243    | 4,457   |
| VA           | 5,975   | 66     | 217    | 476     | 151    | 76     | 146    | 2,542  | 415     | 151    | 10,215  |
| VT           | 48      | 0      | 0      | 27      | 0      | 0      | 0      | 0      | 0       | 1,943  | 2,018   |
| WA           | 6,064   | 158    | 721    | 3,663   | 541    | 3,345  | 314    | 627    | 796     | 302    | 16,531  |
| WI           | 2,040   | 404    | 4,833  | 2,410   | 1,854  | 7,302  | 257    | 1,063  | 14,972  | 285    | 35,420  |
| WV           | 1,264   | 43     | 62     | 4       | 6      | 0      | 20     | 2      | 29      | 92     | 1,522   |
| WY           | 163     | 23     | 43     | 4       | 5      | 0      | 21     | 3      | 4       | 80     | 346     |
| REPORT TOTAL | 130,066 | 19,932 | 61,101 | 172,864 | 98,420 | 61,950 | 27,786 | 46,477 | 138,348 | 10,678 | 767,622 |



Exhibit 6-1 Animals kept per state ALL CATEGORIES (B-E)

| State | ALL OTHER COVERED SPECIES | CATS  | DOGS  | GUINEA PIGS | HAMSTERS | NON-HUMAN PRIMATES | OTHER FARM ANIMALS | PIGS  | RABBITS | SHEEP | Total  |
|-------|---------------------------|-------|-------|-------------|----------|--------------------|--------------------|-------|---------|-------|--------|
| AK    | 280                       | 0     | 0     | 0           | 0        | 0                  | 10                 | 0     | 0       | 0     | 290    |
| AL    | 656                       | 315   | 1,424 | 246         | 0        | 442                | 1,195              | 1,115 | 1,118   | 84    | 6,595  |
| AR    | 44                        | 147   | 774   | 38          | 53       | 205                | 66                 | 691   | 1,143   | 0     | 3,161  |
| AZ    | 3,709                     | 570   | 1,645 | 90          | 184      | 42                 | 316                | 425   | 229     | 201   | 7,411  |
| CA    | 13,470                    | 2,670 | 6,344 | 9,860       | 2,823    | 7,710              | 9,575              | 6,695 | 27,490  | 1,189 | 87,826 |
| CO    | 2,406                     | 538   | 895   | 2,956       | 1,674    | 1                  | 448                | 776   | 1,210   | 433   | 11,337 |
| CT    | 1,144                     | 3     | 288   | 156         | 816      | 363                | 0                  | 173   | 77      | 1     | 3,021  |
| DC    | 12,320                    | 33    | 36    | 474         | 447      | 584                | 0                  | 301   | 292     | 0     | 14,487 |
| DE    | 382                       | 86    | 97    | 17          | 0        | 0                  | 706                | 0     | 10,758  | 51    | 12,097 |
| FL    | 3,708                     | 337   | 813   | 478         | 285      | 6,015              | 491                | 1,094 | 292     | 149   | 13,662 |
| GA    | 4,641                     | 722   | 2,096 | 1,122       | 4,750    | 4,009              | 68                 | 936   | 4,763   | 89    | 23,196 |
| HI    | 5                         | 87    | 188   | 0           | 42       | 0                  | 0                  | 20    | 8       | 35    | 385    |
| IA    | 863                       | 333   | 724   | 560         | 9,516    | 8                  | 437                | 4,132 | 1,194   | 443   | 18,210 |
| ID    | 562                       | 76    | 104   | 16          | 0        | 0                  | 97                 | 2     | 42      | 0     | 899    |
| IL    | 4,611                     | 863   | 3,438 | 2,706       | 1,910    | 1,001              | 669                | 1,540 | 2,457   | 610   | 19,805 |
| IN    | 4,936                     | 372   | 1,046 | 388         | 5,021    | 451                | 190                | 294   | 1,154   | 392   | 14,244 |
| KS    | 192                       | 722   | 1,728 | 756         | 85       | 162                | 604                | 1,192 | 499     | 21    | 5,961  |
| KY    | 990                       | 204   | 341   | 32          | 68       | 115                | 592                | 428   | 225     | 124   | 3,119  |
| LA    | 166                       | 253   | 614   | 42          | 11       | 11,678             | 394                | 122   | 201     | 9     | 13,490 |
| MA    | 6,347                     | 62    | 1,849 | 21,048      | 7,322    | 8,840              | 862                | 5,894 | 10,912  | 453   | 63,589 |
| MD    | 19,081                    | 58    | 1,002 | 9,836       | 4,458    | 13,005             | 364                | 1,731 | 4,104   | 202   | 53,841 |
| ME    | 359                       | 408   | 55    | 0           | 0        | 0                  | 529                | 20    | 185     | 2     | 1,558  |
| MI    | 2,030                     | 502   | 5,767 | 28,291      | 154      | 4,491              | 697                | 2,100 | 7,338   | 558   | 51,928 |
| MN    | 415                       | 2,288 | 2,588 | 27,765      | 649      | 131                | 611                | 2,481 | 5,732   | 534   | 43,194 |
| MO    | 2,451                     | 1,740 | 2,622 | 9,510       | 15,881   | 108                | 119                | 2,514 | 3,827   | 77    | 38,849 |
| MS    | 257                       | 17    | 70    | 22          | 7        | 113                | 80                 | 310   | 145     | 4     | 1,025  |

Exhibit 6-2 Animals kept per state ALL CATEGORIES (B-E) -Continuation-

|                     |                |               |               |                |                |                |               |               |                |               |                |
|---------------------|----------------|---------------|---------------|----------------|----------------|----------------|---------------|---------------|----------------|---------------|----------------|
| MT                  | 351            | 2             | 0             | 0              | 598            | 14             | 60            | 0             | 1              | 0             | 1,026          |
| NC                  | 5,175          | 1,181         | 2,043         | 9,150          | 876            | 1,127          | 5,109         | 1,830         | 4,188          | 194           | 30,873         |
| ND                  | 0              | 305           | 301           | 7              | 0              | 0              | 312           | 43            | 10             | 260           | 1,238          |
| NE                  | 1,068          | 65            | 150           | 23             | 620            | 94             | 51            | 288           | 114            | 0             | 2,473          |
| NH                  | 131            | 0             | 2             | 0              | 152            | 2              | 47            | 2             | 18             | 3             | 357            |
| NJ                  | 3,084          | 514           | 5,838         | 42,361         | 35,355         | 4,351          | 154           | 830           | 11,847         | 7             | 104,341        |
| NM                  | 869            | 44            | 296           | 174            | 99             | 657            | 0             | 74            | 5              | 0             | 2,218          |
| NV                  | 79             | 53            | 427           | 29             | 0              | 0              | 222           | 92            | 6              | 2             | 910            |
| NY                  | 10,121         | 561           | 1,629         | 2,282          | 2,317          | 1,910          | 551           | 1,202         | 2,292          | 322           | 23,187         |
| OH                  | 3,773          | 1,565         | 4,896         | 1,858          | 557            | 1,228          | 277           | 1,997         | 3,609          | 138           | 19,898         |
| OK                  | 554            | 101           | 508           | 2,342          | 8              | 712            | 620           | 20            | 495            | 117           | 5,477          |
| OR                  | 1,236          | 34            | 51            | 309            | 14             | 4,494          | 230           | 123           | 310            | 270           | 7,071          |
| PA                  | 4,187          | 1,195         | 1,920         | 1,897          | 1,604          | 1,326          | 1,095         | 752           | 14,793         | 1,001         | 29,770         |
| PR                  | 0              | 0             | 0             | 0              | 0              | 4,848          | 0             | 21            | 18             | 0             | 4,887          |
| RI                  | 123            | 50            | 51            | 4              | 159            | 38             | 64            | 163           | 449            | 0             | 1,101          |
| SC                  | 6,903          | 169           | 227           | 160            | 53             | 427            | 80            | 222           | 87             | 20            | 8,348          |
| SD                  | 904            | 11            | 8             | 29             | 3              | 0              | 155           | 113           | 16             | 75            | 1,314          |
| TN                  | 1,846          | 316           | 696           | 168            | 660            | 240            | 184           | 1,255         | 156            | 3             | 5,524          |
| TX                  | 22,290         | 500           | 1,334         | 2,875          | 3,148          | 6,975          | 2,685         | 3,137         | 12,259         | 783           | 55,986         |
| UT                  | 169            | 274           | 675           | 71             | 1,696          | 45             | 339           | 126           | 1,011          | 258           | 4,664          |
| VA                  | 6,136          | 68            | 224           | 498            | 186            | 89             | 146           | 2,997         | 447            | 151           | 10,942         |
| VT                  | 48             | 0             | 0             | 27             | 0              | 0              | 0             | 0             | 0              | 1,943         | 2,018          |
| WA                  | 6,529          | 158           | 775           | 3,740          | 594            | 8,155          | 405           | 639           | 1,170          | 308           | 22,473         |
| WI                  | 3,107          | 443           | 8,477         | 2,476          | 1,863          | 9,378          | 258           | 1,214         | 15,281         | 327           | 42,824         |
| WV                  | 1,393          | 43            | 62            | 4              | 6              | 0              | 20            | 2             | 29             | 92            | 1,651          |
| WY                  | 186            | 23            | 43            | 4              | 5              | 0              | 21            | 3             | 4              | 107           | 396            |
| <b>REPORT TOTAL</b> | <b>166,287</b> | <b>21,081</b> | <b>67,181</b> | <b>186,897</b> | <b>106,729</b> | <b>105,584</b> | <b>32,205</b> | <b>52,131</b> | <b>154,010</b> | <b>12,042</b> | <b>904,147</b> |



*Exhibit 7 All postal code abbreviations*

| STATE             | ABBREVIATION | STATE          | ABBREVIATION |
|-------------------|--------------|----------------|--------------|
| Alaska            | AK           | Montana        | MT           |
| Alabama           | AL           | North Carolina | NC           |
| Arkansas          | AR           | North Dakota   | ND           |
| Arizona           | AZ           | Nebraska       | NE           |
| California        | CA           | New Hampshire  | NH           |
| Colorado          | CO           | New Jersey     | NJ           |
| Connecticut       | CT           | New Mexico     | NM           |
| Dist. of Columbia | DC           | Nevada         | NV           |
| Delaware          | DE           | New York       | NY           |
| Florida           | FL           | Ohio           | OH           |
| Georgia           | GA           | Oklahoma       | OK           |
| Hawaii            | HI           | Oregon         | OR           |
| Iowa              | IA           | Pennsylvania   | PA           |
| Idaho             | ID           | Puerto Rico    | PR           |
| Illinois          | IL           | Rhode Island   | RI           |
| Indiana           | IN           | South Carolina | SC           |
| Kansas            | KS           | South Dakota   | SD           |
| Kentucky          | KY           | Tennessee      | TN           |
| Louisiana         | LA           | Texas          | TX           |
| Massachusetts     | MA           | Utah           | UT           |
| Maryland          | MD           | Virginia       | VA           |
| Maine             | ME           | Vermont        | VT           |
| Michigan          | MI           | Washington     | WA           |
| Minnesota         | MN           | Wisconsin      | WI           |
| Missouri          | MO           | West Virginia  | WV           |
| Mississippi       | MS           | Wyoming        | WY           |

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