

U.S. Highway Accidents Involving Farm Animals



A Farm Sanctuary Report
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Abstract

Neither the government nor industry in the U.S. reports transportation accidents involving animals raised for food. Farm Sanctuary conducted a survey of media archives to locate information regarding highway accidents affecting farm animals. A total of 233 incidents were identified for a recent six-year period. The incidents occurred across the nation and throughout the calendar year, and involved all major farm animal species. More than half the accidents were single-vehicle rollovers, and the most common cause was driver failure to negotiate a curve or corner in the roadway. A total of at least 27,000 animals were killed in the incidents reviewed, with many more injured. The survey suggested several actions that should be taken by government agencies and the animal agriculture industry to improve the treatment of farm animals at accidents scenes, including establishing protocols for the provision of emergency veterinary care and training of drivers and first responders in animal rescue, care and handling.

Introduction

More than nine billion animals are killed for food every year in the United States.¹ At some point in their short lives, most animals travel by truck, usually in-route to the slaughterhouse. Some animals also travel from the farm to a feedlot and/or to one or more livestock markets. While the treatment of U.S. farm animals on farms and at slaughter has begun to receive some modest scrutiny, little attention has been given to the treatment of animals during transport. One of the animal welfare problems associated with transport is the possibility of highway accidents and the manner in which animals involved in these accidents are treated.

Government Oversight

Two agencies of the U.S. Department of Transportation monitor highway accidents – the National Highway Traffic Safety Administration (NHTSA) and the Federal Motor Carrier Safety Administration (FMCSA), with the latter handling safety issues pertaining to trucks and buses. Neither agency reports accidents involving animals raised for food.

FMCSA publishes statistics on accidents involving different types of motor carriers; however, livestock trucks are not included. FMCSA also publishes statistics on accidents caused by collision with an animal, but not on accidents involving animals being transported. A February 2004 report on the safety performance of 10 diverse trucking industry segments placed animal transporters in a “Farm Combined” category that included farm supplies, logging, produce, and grain feed.² Livestock trucks are mentioned in one NHTSA report: The federal “Large Truck Crash Causation Study.”³ According to the report, of 166 large truck crashes studied, only two involved livestock carriers.⁴

The U.S. Department of Agriculture (USDA) collects data from U.S. slaughter plants on the number of animals that die while in transit to slaughter,⁵ but not on the number of animals that are injured or die in highway transport accidents specifically. In fact,

although a vast majority of farm animals in the U.S. are transported solely by truck, the USDA has chosen not to regulate truck transport.⁶ Moreover, unlike many other developed countries,⁷ the U.S. has failed to enact any limits on farm animal loading densities for transport or on the transportation of very young animals.

For the most part, the federal government has not developed policies or procedures for dealing with animal transport accidents. One federal agency that does address the issue of animal transport accidents is the Federal Emergency Management Agency (FEMA). FEMA considers animal transport accidents to be a type of animal disaster. The agency has produced a document on “Transportation Accidents/Euthanasia,” which is a unit of its “Livestock in Disasters” training module, designed to educate farmers, extension agents and emergency managers on responding to emergencies involving farm animals.⁸

The objectives of the Accidents/Euthanasia unit are to:

- Identify common causes of transportation accidents
- List common methods to mitigate transportation accidents
- Identify important considerations for euthanasia
- Determine vulnerability to transport accidents
- Understand issues surrounding euthanasia of animals⁹

The unit includes case studies, such as one in which a tractor-trailer is transporting calves from a farm to a heifer-raising facility when the trailer overturns on the Interstate, killing several animals and injuring others. The module addresses how to treat the animals if the owner is not present and cannot be contacted. In this particular scenario, the driver, state police and veterinarian confer and a decision is made to have the veterinarian euthanize the animals with the most serious injuries.¹⁰

Although the federal government in the U.S. has done little to address farm animal transport accidents, governments of other countries have taken action on the issue. For example, the New South Wales Department of Primary Industries provides information to the animal agriculture industry and the general public on how to respond to the injury of farm animals in transport accidents. The material includes what to do at the scene of an accident, what agencies are available for assistance and how to assess animal injuries.¹¹

In Canada, the “Transportation” section of the country’s voluntary federal “Recommended Code of Practice for the Care and Handling of Farm Animals” includes specific information on responding to highway accidents involving farm animals.¹² Appendix 3 – Emergency Procedures – details first responder procedures and considerations both before and after assistance arrives.¹³ The Appendix also describes the types of injuries that may be seen at a highway accident and the appropriate response to each.¹⁴

Industry Oversight

No segment of the U.S. meat industry maintains statistics on farm animal transport accidents, or if such statistics are gathered they are not made available to the public.

While the U.S. meat industry generally ignores the issue of transport accidents, in Canada, the Alberta Farm Animal Care (AFAC) has developed a database to track farm animal transport and barn fire incidents. This industry group says the information will assist in determining: 1) who is experiencing incidents, 2) cause of the incidents, 3) when incidents are occurring, 4) where incidents are occurring and 5) how incidents are being handled. The AFAC Web site indicates that the results of the database will be used to determine the number of occurrences and the need for training programs.¹⁵ An accident report form can be downloaded from the group's Web site. The form requests information on the number of animals killed and euthanized, the identity of the person euthanizing the animals, the cause of the incidents and other details. It also asks that any relevant photos, video, newspaper clippings, news footage, or law enforcement reports be submitted with the form.¹⁶ Information in the database is confidential, however, and cannot be accessed by the public.

In addition to monitoring farm animal incidents, AFAC has produced an Alberta Livestock Incident Response Plan and created trained response teams throughout the province to assist with incidents where animals are trapped, injured or in distress due to trailer rollover.¹⁷ In the U.S., however, the meat industry has not, for the most part, developed any policies or procedures for dealing with transport accidents or other types of farm animal incidents, such as fires or natural disasters.

Although several animal agriculture trade groups include transport in their animal care guidelines,¹⁸ only one – the National Pork Board – offers a certification program in truck transport. The Board's Trucker Quality Assurance (TQA) program was launched in 2002, and to date has certified over 10,000 truckers.¹⁹ According to reports in the *National Hog Farmer*, many slaughter companies have asked their haulers to become certified.²⁰ The training takes place at hog slaughter plants and consists of a two-hour educational session and written test.²¹ Truckers must complete re-certification classes every three years.²²

The original TQA training program focused on the following areas:

- Reducing stress of pigs
- Loading in extreme weather conditions
- Techniques to handle downers and “slows”
- Recognizing pig's flight zones and points of balance
- Proper biosecurity procedures
- Proper cleaning and truck washes²³

In 2005 the TQA training program was revised to include material on emergency response plans. For example, truckers now receive contact numbers to call in case of an accident while in transit.²⁴ The Pork Board has not created teams to respond to incidents involving pigs, however.

Method of Study

No previously published studies into the causes or responses to U.S. highway accidents involving farm animals have been located. In addition, as described above, no reports or statistics are available on the occurrence of transport accidents involving animals. While traffic accident reports are compiled by local and state law enforcement agencies, privacy and public record laws limit the information about individual accidents that is available to the public.²⁵

To provide a general overview of animal transport accidents in the U.S., Farm Sanctuary conducted a survey of newspaper archives dating from January 1, 2000 to May 15, 2006. Newspaper archives were searched using two media database services available on the Internet. These services contain the archives of hundreds of media sources including newspaper stories and television segments. A variety of search terms were used to identify highway accidents that involved cattle/calves, hogs/pigs, sheep, goats, turkeys, and chickens. The survey was limited to media pieces describing accidents involving animals being transported by truck; articles describing accidents between motor vehicles and stray animals on the roadway were excluded from the survey.

Media accounts may convey inaccurate, incomplete or preliminary information about the causes or aftermath of highway accidents. They comprise only a sample of all highway accidents that occur. Furthermore, they cannot be considered a random sampling of accidents, as media are more inclined to report on accidents that occur in close proximity to large population centers and where humans are seriously injured or killed, or where significant property damage occurs. However, it is likely that U.S. media have reported on many of the largest highway accidents involving farm animals that have occurred, and that articles describing these incidents are included in media archives.

Results of Study

A survey of media archives dating from January 1, 2000 to May 15, 2006 identified 233 highway accidents involving transported farm animals. (A list of the incidents is presented in Appendix A of this report.) The media accounts, which included newspaper articles and television segments, varied from extremely brief (less than 100 words) to relatively lengthy (1,000 words or more). Several incidents were the subject of multiple accounts.

A summary of the information contained in the media archives follows.

When Accidents Occurred

The animal transport accidents described in the media archives took place throughout the year with the highest number of accidents occurring in the month of November and the lowest number in the month of February. Although more farm animals are on the road during certain times of the year, other times of the year may be associated with highway accidents due to weather conditions such as fog and high winds.

<u>Month</u>	<u># of Accidents</u>
January	23
February	13
March	15
April	24
May	15
June	17
July	15
August	20
September	21
October	24
November	30
December	16

Where Accidents Occurred

The 233 transport accidents described in the media archives occurred in a total of 44 states. The six states with no incidents in the survey are Alaska, Maine, New Hampshire, New Mexico, Rhode Island, and Vermont. The states with the highest number of accidents in the survey include Kansas with 23 accidents, Texas and Pennsylvania with 14 each and Missouri with 13. Virginia and California had 12 each, and Georgia and North Carolina had the next highest number with 11 accidents in each state.

Differences in the occurrence of transport accidents by state can probably be explained by a number of factors, including size of the state, number of highway miles, and geographic and weather conditions. A primary determinant of the amount of animals being transported on a particular state's roadways is the total number of slaughter plants located within the state. The states with no transport incidents in the survey are among the U.S. states with the lowest number of slaughter plants. For example, New Hampshire and Rhode Island have only one federally inspected meat slaughter plant each, while Alaska and New Mexico have just two each.²⁶ Moreover, the states with the most incidents in this survey are also among the U.S. states with the highest number of federal meat slaughter plants. California, Missouri, Pennsylvania, and Texas represent four of the top six states for number of transport accidents, as well as four of the top seven states for number of U.S. meat slaughter plants.²⁷ However, a few states (Michigan, Minnesota and New York) with a high number of meat slaughter plants had only one or two incidents documented in the survey. Size of the slaughter plant and the number of animals

slaughtered likely plays a role in the occurrence of transport accidents, in addition to the number of slaughter plants in each state.

<u>State</u>	<u>#</u>	<u>State</u>	<u>#</u>	<u>State</u>	<u>#</u>
AL	6	LA	2	OK	10
AK	0	ME	0	OR	3
AZ	1	MD	1	PA	14
AR	1	MA	1	RI	0
CA	12	MI	1	SC	5
CO	4	MN	2	SD	5
CT	1	MS	3	TN	5
DE	1	MO	13	TX	14
FL	5	MT	5	UT	4
GA	11	NE	6	VT	0
HI	1	NY	1	VA	12
ID	3	NH	0	WA	2
IL	5	NJ	5	WV	2
IN	6	NM	0	WI	6
IA	8	NC	11	WY	1
KS	23	ND	1		
KY	4	OH	4		

Certain stretches of U.S. highways experienced multiple transport accidents during the six-year period covered by the survey. Three locations – I-70 in Topeka, Kansas; I-40 in Oklahoma City, Oklahoma; and VA-10 in Smithfield, Virginia – were the site of three separate animal transport incidents. In the case of I-40 in Oklahoma City, the accidents all occurred within a four-month period of time. The following is a list of U.S. roadways with multiple farm animal transport accidents during the period 1/1/00 to 5/15/06:

- Alabama: I-10 at George Wallace tunnel in Mobile (12/2/04, 12/10/04)
- Kansas: I-70 in downtown Topeka (9/18/00, 11/9/00, 11/13/05)
- Kansas: Kellogg Street in Wichita (7/27/00, 1/14/04)
- Kentucky: I-64 & Shawnee Expressway in Louisville (9/23/05, 11/8/05)
- Missouri: Highway 54 in Jefferson City (8/20/01, 5/22/02)
- Montana: I-15 near Wolf Creek (11/24/00, 2/8/06)
- North Carolina: I-40 near Rock Quarry Road outside Raleigh (12/10/01, 8/23/05)
- Oklahoma: I-40 at Fort Smith junction in Oklahoma City (8/17/02, 10/12/02, 12/17/02)
- Virginia: VA-10 in Smithfield (4/26/02, 3/29/04, 10/18/05)

Companies Involved in Accidents

For the most part, media accounts of farm animal transport accidents do not include the identity of the trucking company, the farm or feedlot where the animals originated, or the slaughter plant where the animals were headed. The identity of the farm or slaughter company was given for just 23 of the 233 incidents described in the media archives. Only six companies were mentioned in more than one incident. Transports in-route to Crider Poultry (chickens), Perdue Farms (chickens) and Cargill (pigs) were involved in two accidents apiece, while transports for Foster Farms (chickens/turkeys) and ConAgra (chickens) were cited in three accidents each. Ten separate accidents involving pigs or hogs owned by Smithfield Foods or one of its subsidiaries or contract farms were documented during the period.

Species Involved in Accidents

Half of all animal transport accidents included in the survey of media archives involved calves or cattle. Of the remaining accidents, half of those involved pigs or hogs. Although only 15 percent of the incidents involved chickens, the number of birds affected by the highway accidents far exceeds the number of all other species combined. Eleven separate incidents involved transports of greater than 1,000 birds. Relatively few incidents involved turkeys, sheep, goats, bison or horses.²⁸ A couple of incidents involved more than one animal species.

<u>Animal</u> (multiple possible)	<u>#</u>	<u>%</u>
Cattle/Calves	118	50.6
Hogs/Pigs	60	25.8
Chickens	35	15.0
Turkeys	8	3.4
Sheep	8	3.4
Goats	3	1.3
Bison	3	1.3
Horses	3	1.3

Types of Accidents

The types of accidents described in the media accounts include collisions between transport trucks and other vehicles, transport truck rollovers, and other types of single-vehicle crashes involving transport trucks, such as a truck hitting a building or highway structure. By far, the most common incident involved transport trailers overturning on the highway or on property adjacent to the highway. Eighteen of the 233 incidents resulted in animals being tossed onto the roadway, a direct consequence of the animals not being properly secured in the truck or inside the trailer. (These incidents are in addition to those in which animals were thrown on the highway as a result of a collision or rollover.) In two cases, trailers carrying animals were burned when fire spread from a tire or other part of the truck.

<u>Accident Type</u>	<u>#</u>	<u>%</u>
1-Vehicle Rollover	129	55.4
2-Vehicle Collision	59	25.3
1-Vehicle Collision	25	10.7
Animals Thrown/Fell from Truck	18	7.7
Fire	2	0.9

Why Accidents Occur

A majority of the media accounts included a preliminary assessment of the cause(s) of the accident. No cause was cited for 52 of the incidents. Of the remainder, the single most frequently cited cause was the driver's failure to negotiate a curve or corner in the roadway. This often occurred at a highway on or off-ramp, or at a connector ramp between two highways. In a number of these cases, speed and/or shifting of the animals' weight in the trailer were also mentioned as possibly contributing to the accident.

<u>Contributing Factors</u> (multiple possible)	<u>#</u>	<u>%</u>
Failure to negotiate curve in roadway	50	27.6
Other driver at fault	28	15.5
Excessive speed for conditions	25	13.8
Driver lost control (reason not given)	25	13.8
Improperly secured load	18	9.9
Driver fell asleep	15	8.3
Careless driving/driver distracted	15	8.3
Animals' weight shifted	12	6.6
Reduced visibility	10	5.5
Mechanical problem	4	2.2
Object in roadway	4	2.2
Driver ran red light	4	2.2
Poor road conditions	4	2.2
High winds	3	1.7
Attempting to pass another vehicle	3	1.7

Agencies Responding to Accidents

In addition to police and fire/emergency crews, officials representing several local and state agencies responded to the incidents described in the survey. Veterinarians, either in private practice or working for a government agency, were described as being on the scene of 16 accidents. Animal control or humane society officials were mentioned as being called to the scene of 15 of the incidents. And media accounts reported that farmers and slaughter plant workers were present at 12 and eight accidents, respectively. Department of Transportation officials were called to assist in the investigation of a few incidents, and Department of Corrections officials and corrections inmates helped to

rescue and roundup animals in the aftermath of a couple of accidents. Even the Salvation Army responded to the scene of at least one animal transport accident.²⁹

Animal Morbidity and Mortality

Approximately two-thirds of the media accounts noted that animals were injured or killed in the accidents. Although accounts of 69 of the 233 incidents provided no details regarding the fate of the animals, it can be assumed that animals were injured or killed in a large majority of the cases due to the seriousness of the incidents. In fact, the media described only 13 of the 233 incidents as resulting in no apparent injuries to the animals involved.

A surprising number of media accounts offered an exact number of animals killed or injured. The percentage of animals killed or sustaining injuries in the accidents varied widely from only a couple of animals to a majority or all the animals being transported. Many of the reported accidents involved the deaths of a very large number of animals. For example, the media reports included accidents where 100 of 190 hogs³⁰, 83 of 240 hogs³¹, 70 of 100 hogs³², 62 of 175 hogs³³, 40 of 78 cattle³⁴, and 44 of 115 cattle³⁵ were killed. Generally, chickens fared the worst in transport accidents, with media describing incidents where half of 13,500 chickens³⁶, 3,000 of 4,000 chickens³⁷ and 6,500 of 7,300 chickens³⁸ were killed.

Animals were injured and killed not only in the accidents themselves but also in the course of events that followed. In 12 incidents, one or more animals released from a trailer as a result of a collision or rollover were subsequently struck by passing vehicles on the highway.³⁹

Treatment of Animals

Relatively few media accounts included details about the handling and treatment of animals following transport accidents. Fifteen of the accounts noted that animals were treated at the accident scene by veterinarians or taken to nearby veterinary clinics for treatment. A total of 26 media accounts mentioned that animals were either shot by police or animal control officials, or euthanized by veterinarians due to injuries sustained in the accident. Accounts of an additional seven incidents indicated that one or more animals released from trailers during the accidents were shot and killed by first responders to prevent collisions between the animals and vehicles on the roadway.

Discussion of Results

Because the incidents reported on in this survey do not represent a random sample, the findings cannot be generalized to other farm animal transport accidents occurring in the U.S. However, the findings do offer insight into what types of farm animal transport accidents occur, how transport accidents can be prevented, and how animals affected by such incidents can be more humanely treated.

Accident Prevention

Farm animals are carried in several different styles and sizes of transport vehicles, each presenting potential animal welfare problems during an accident. Animals, not including birds, are usually transported inside trailers that are separable from the motorized portion of the truck. The trailer bed is enclosed and may or may not be fitted with individual stalls. Trailers that connect over the towing vehicle's rear axles are referred to as "gooseneck" trailers and are more stable than trailers connected to the rear bumper of the towing vehicle. These "tag-along" trailers occasionally become unhitched from the towing vehicle, typically a pickup truck, causing the trailer to overturn or crash. The rear gate of trailers also can be forced open during an accident and the animals inside thrown onto the roadway.⁴⁰

Large numbers of hogs and ruminants (cattle, sheep and goats) are often transported in 18-wheel tractor-trailer rigs. The trailers are aluminum-sided with holes for ventilation. "Double-decker" style trailers have compartments on two levels to allow for transporting twice as many animals as straight-deck trailers of the same length and width. Rescuing animals from overturned double-decker trailers can be very difficult for emergency personnel, who must often resort to cutting holes through the metal siding or roof to allow surviving animals to exit.⁴¹ In addition, animals on the lower tiers of double-decker trailers can be crushed when the upper level collapses upon them.⁴²

The design of bird transport vehicles can also cause animal welfare problems in the event of an accident. Chickens and turkeys are typically transported inside either fixed or modular crate systems. Crates of birds can be tossed onto the roadway during regular driving or cornering if the load is not properly secured, and an entire load of crated birds can be lost if the vehicle overturns.⁴³ Drivers of overturned poultry trucks have complained that when fully loaded, the vehicles tend to be "top-heavy."⁴⁴

Metal or plastic crates provide little protection to the birds should an accident occur. Wings, legs and even heads may protrude from the crates and sustain injury during impact. In addition, birds inside crates that have been tipped or thrown onto their sides can suffocate quickly.⁴⁵ Birds stranded in a disabled vehicle may be affected by extreme heat or cold and may suffocate if adequate ventilation is not provided.⁴⁶ Temperature and ventilation are also significant issues in the welfare of other animals in the aftermath of highway accidents. Care must be taken with pigs, in particular, to ensure that the animals are properly cooled to prevent hyperthermia.⁴⁷

As noted in the previous section, single-vehicle rollovers were the most common type of accident described in media accounts. The combination of cornering, shifting of the animals' weight and excessive speed was a common cause of rollovers, which tended to occur while drivers were attempting to negotiate highway on and off-ramps. After four tractor-trailers – three of them hauling cattle – overturned within four months at a curve in Interstate-40 at the Fort Smith junction in Oklahoma City, the state Department of Transportation installed 20 yellow signs featuring a black, curved arrow to warn drivers

of the approaching curve. In addition, four signs displaying a tipped truck and advising drivers to slow down at the curve were also added.⁴⁸

According to a report published by the University of Michigan Transportation Research Institute, “Rollover accidents of commercial vehicles are especially violent and cause greater damage and injury than other accidents.”⁴⁹ The report notes that, although about 4 percent of all truck accidents involve rollover, more than 12 percent of fatalities in truck accidents occur during rollover.⁵⁰ The report also cites research showing that between 79 percent and 84 percent of single-vehicle rollovers on highway ramps are accidents in which the vehicle struck no other object prior to overturning.⁵¹ This is consistent with the descriptions of accidents reviewed for the present study. Because the rollover threshold for vehicles changes as the load shifts,⁵² vehicles hauling moving loads such as liquid-filled tankers and trailers carrying live animals may be more likely to overturn than vehicles hauling fixed loads. In addition, double-decker animal trailers that are filled to capacity may be top-heavy and more likely to tip over than vehicles carrying their load closer to the road.

Another significant factor in farm animal transport accidents, according to the survey of media accounts, is driver fatigue or inattention, which may be caused by drivers exceeding federally mandated limits on the number of hours commercial truck drivers may work at one stretch and/or the total hours they may drive per seven-day period. In 2001, the *Kansas City Star* conducted a study of truck driving practices and found that many drivers were driving longer periods than allowed by law.⁵³ Other findings of the *Star* study included:

- The trucking industry downplays the role of driver fatigue in accidents and wants to increase the hours truckers can drive.
- Three-fourths of all commercial carriers have never been visited by federal inspectors. Reviews that are conducted are so weak that companies with documented problems are allowed to continue to operate without sanctions.
- Highway inspection stations are frequently closed, allowing the average U.S. truck to travel more than 80,000 miles between inspections.⁵⁴

Long-haul truckers often falsify their driver’s log to circumvent federal driving limits. An 18-month federal investigation into falsification of logs was prompted by a September 2003 accident in which an Arizona man and his son were decapitated after a Fresno, California-area commercial truck driver fell asleep at the wheel.⁵⁵ In December 2004, a federal grand jury in Fresno indicted at least three companies that transport farm animals for falsifying logs by lying about hours spent driving, days off or their whereabouts on certain dates. Ore-Cal Livestock Inc. pled guilty to criminal felony charges linked to falsifying drivers’ logs, and its sister company Beef Packers Inc. entered a plea to misdemeanor charges. In addition, Semper Truck Lines, which transports cattle throughout the West, was indicted on five criminal counts.⁵⁶

Animal Rescue, Care and Handling

Animals were injured or killed in a majority of the accidents included in the survey of media archives. In many cases a large number of animals were seriously injured and in need of immediate veterinary care. Relatively few media accounts mentioned the presence of one or more veterinarians at the scene, however.⁵⁷ The fact that veterinary care was not available at some crash sites is reinforced by media observations that injured animals were shot by law enforcement and animal control personnel in a number of instances.⁵⁸

In some cases veterinarians may be hesitant to treat or euthanize injured animals at accident scenes if the owner or other responsible party, such as the insurance company, cannot be contacted for permission.⁵⁹ Under this circumstance, Good Samaritan laws may apply. Unfortunately, most states do not have Good Samaritan laws that apply to veterinarians.⁶⁰ A review of state statutes conducted for this report identified nine states having Good Samaritan laws that could apply to the treatment of animals at accident scenes. Those states are California, Florida, Georgia, Louisiana, Michigan, Pennsylvania, South Carolina, Texas, and Vermont. (The text of the laws is presented in Appendix B of this report.) Of the nine states' laws, only two – Michigan and Texas – specifically cover euthanasia.

The American Animal Hospital Association has approved the following position statement regarding Good Samaritan laws for veterinarians:

“Currently there is no legal duty in North America for veterinarians in private practice to provide emergency care to animals. However, under most circumstances, the American Animal Hospital Association supports the provision of humane or emergency care. In order to encourage veterinarians and veterinary technicians to assist with emergency veterinary care, the American Animal Hospital Association recommends the adoption of the following Uniform Good Samaritan Law by all states and provinces:

*A veterinarian or veterinary technician who, on his or her own initiative or other than at the request of the owner, gives humane or emergency treatment without fee to a sick or injured animal shall not be liable for civil damages as a result of his or her acts or omissions in the absence of gross negligence. The veterinarians may euthanize the animals as a humane act to relieve suffering.*⁶¹

City or county animal control agencies and/or humane societies may dispatch personnel to the scene of an animal transport accident. However, these personnel are not necessarily trained in the rescue and handling of farm animals, and they may not be able to administer treatment or euthanasia.⁶²

Even if veterinarians are eventually called to the scene of an accident, they may not arrive until an hour or more has passed. For example, in the case of a September 2004 Virginia accident that killed or injured 70 hogs, the media reported, “Ten of the hogs were

eventually euthanized by the vet, but that was four hours after the accident.”⁶³ A subsequent editorial in the *Virginian-Pilot* of Norfolk, Virginia, chastised government for not ensuring that animals injured in accidents are humanely treated. “If a truck crashes in Virginia, injured hogs may wait for hours for someone to put them out of their misery. That’s the result of a system of buck-passing in which responsibility for the suffering creatures goes begging,” the editorial wrote.⁶⁴

A few states – including Alabama, North Carolina and Georgia – have assigned veterinarians to respond to accident scenes.⁶⁵ These veterinarians may be county or state agency employees or private practitioners. Regardless of the ability to summon veterinarians quickly, however, first responders need to be trained in farm animal rescue and handling. In a number of incidents included in the survey, emergency personnel shot escaped animals to protect themselves from the animals or to prevent the animals from causing additional collisions with passing vehicles.⁶⁶

Some communities have included animal handling in their emergency training for law enforcement and fire department personnel,⁶⁷ and the Pennsylvania Department of Agriculture has announced plans to set up a network of animal response teams to deal with animal control and protection during disasters, including highway accidents.⁶⁸ In February 2005, Cumberland County, Pennsylvania, trained 60 volunteer firefighters and emergency medical personnel from Cumberland and Perry counties on how to handle farm animals that escape during accidents or are trapped inside vehicles.⁶⁹

As mentioned previously, first responders occasionally shoot injured animals as an act of euthanasia. However, animals must be shot in the proper anatomical location for this to be considered an acceptable method of euthanasia. Law enforcement personnel may not have the knowledge necessary to place a shot correctly. In at least one instance, slaughterhouse workers used a captive bolt gun to kill animals. Again, this method of killing cannot be considered humane unless performed properly.⁷⁰

The Canadian Recommended Code of Practice for the Care and Handling of Farm Animals offers the following recommendations for euthanasia of animals at accident scenes:

*Recommended methods for euthanasia of mammals in order of preference are administration of a euthanizing drug by a veterinarian; stunning with a captive bolt pistol followed by slitting of the throat performed by experienced personnel; gunshot euthanasia performed by an experienced police officer, conservation officer or SPCA special constable. Gunshot euthanasia is a dangerous procedure and must only be performed as a last resort under controlled conditions.*⁷¹

Conclusion & Recommendations

Each year tens of thousands – and possibly hundreds of thousands – of farm animals are killed or injured in U.S. highway accidents. Animals involved in these incidents may suffer severe impact injuries such as lacerations and broken bones, or be burned or

crushed to death. While waiting to be rescued, survivors of the accidents can die from exposure to extreme heat or cold, suffocate from lack of ventilation or be struck and killed by passing vehicles.

This report describes a survey of animal transport accidents conducted by Farm Sanctuary. The major findings of the report and recommendations for addressing the issue of animal transport accidents follow:

Finding #1: Neither government nor industry monitors and reports animal transport accidents in the U.S.

Recommendation(s):

- The USDA, state agriculture departments and the animal agriculture industry should track animal transport accidents and their causes.
- Information about transport accidents should be made available to the public and be used to help prevent future accidents and to improve the treatment of animals affected by these incidents.

Finding #2: The most common type of animal transport accident is single-vehicle rollover and the most common cause is driver failure to negotiate a curve in the roadway, often combined with excessive speed and shifting of the animals' weight. Driver fatigue or inattention is another significant cause of animal transport accidents.

Recommendation(s):

- The trucking and animal agriculture industries should cooperate in designing trailers with a reduced risk of rollover. Two-tiered or "double-decker" trailers should be eliminated.
- State transportation departments should lower speed limits at on and off-ramps and install signs warning drivers of approaching curves in the roadway.
- Drivers of animal transports should be educated about the risk of tractor-trailer rollover and how to prevent their occurrence.
- Law enforcement agencies should enforce speed limits.
- Federal and/or state governments should enact limits on the duration of animal transport journeys and on animal stocking densities, and require two drivers for lengthy journeys.

Finding #3: The current design of animal trailers provides insufficient protection in the event of an accident. Birds are especially vulnerable to injury and death. In addition, pigs and ruminants may be crushed in "double-decker" trailers, especially if the upper level collapses upon animals in the lower tier, and the design of these containers makes rescue of survivors difficult.

Recommendation(s):

- The trucking and animal agriculture industries should cooperate in designing trailers that better protect animals in the event of an accident. Two-tiered or "double-decker" trailers should be eliminated.

Finding #4: Most states and localities do not have protocols for dealing with animal transport accidents and, as a result, injured animals often suffer from no, or significantly delayed, veterinary care.

Recommendation(s):

- States and counties should develop accident protocols that include the provision of emergency veterinary treatment by government or private practitioners and injection of a drug as the preferred method of euthanasia.
- All states should enact veterinary Good Samaritan laws.

Finding #5: Veterinary treatment of animals at the accident scene can be delayed by the inability to contact the owner or other responsible party (e.g., insurance company). Truckers may not be knowledgeable of animal care and handling techniques.

Recommendation(s):

- The animal agriculture industry should develop accident protocols that include trucker instructions and contact numbers to use in event of an accident.
- Industry should create emergency teams to respond to the scene of major transport incidents.
- Industry should develop trucker quality assurance programs and encourage their members to require that all drivers complete such a program.

Finding #6: Most emergency crews and other first responders are not knowledgeable of animal care and handling techniques and, as a result, animals may not be rescued promptly and animals may even be shot and killed as a method of restraint.

Recommendation(s):

- State and county governments should hold first responder training in animal rescue, care and handling.

Notes:

- ¹ Death toll continues to rise. Farm Animal Reform Movement News Release, Sept 25, 2004. FARM estimated the total number of animals killed for food in the US for 2004 as 10.2 billion, including both slaughter and non-slaughter deaths. Estimate based on data extrapolated from USDA's National Agricultural Statistics Service.
- ² Motor Carrier Industry Profile Study: Evaluating Safety Performance by Motor Carrier Industry Segment. US Department of Transportation, Federal Motor Carrier Safety Administration, 2004.
- ³ Toth G, Radja G, Thiriez K, Carra J. Large Truck Crash Causation Study in the United States. US Department of Transportation, National Highway Traffic Safety Administration, Paper No 252, 2003.
- ⁴ Ibid.
- ⁵ Hog transportation program makes tracks. National Hog Farmer, Aug 15, 2004.
- ⁶ In Oct 2005, Farm Sanctuary joined three other animal advocacy organizations in filing a legal petition with the USDA calling on the agency to amend its regulations to limit truck transport of animals to no more than 28 hours as required by the federal "Twenty-Eight Hour Law" (49 USC Section 80502). See http://www.hsus.org/press_and_publications/press_releases/animal_protection_organizations_petition_usda_to_limit_long-distance_trucking_of_animals_.html (accessed March 12, 2006).
- ⁷ The European Union has adopted directives setting minimum space requirements (91/628/EC, 95/29/EC) as well as a regulation prohibiting transport of very young animals unless journey is less than 100 km (EC/1/2005). See Animal Welfare During Transport, Animal Health and Welfare, European Commission at http://europa.eu.int/comm/food/animal/welfare/transport/index_en.htm (accessed March 12, 2006).
- ⁸ Federal Emergency Management Agency, Emergency Management Institute. Available at <http://www.training.fema.gov/EMIWeb/IS/is111.asp> (accessed March 12, 2006).
- ⁹ FEMA Training Module – Livestock in Disasters, Unit 13 (Transportation Accidents/Euthanasia), p 13-1.
- ¹⁰ Ibid, p 13-7.
- ¹¹ Livestock Injured in Transport Accidents. New South Wales Department of Primary Industries / Agriculture. Available at <http://www.agric.nsw.gov.au> (accessed March 12, 2006).
- ¹² Recommended Code of Practice for the Care and Handling of Farm Animals – Transportation. Canadian Agri-Food Research Council, 2001. Available at http://www.carc-crac.ca/english/codes_of_practice/CodesIndexPage.htm (accessed March 12, 2006).
- ¹³ Ibid, p 46-48.
- ¹⁴ Ibid, p 49-52.
- ¹⁵ Livestock Accident/Incident Reports. Alberta Farm Animal Care. Available at <http://www.afac.ab.ca/alps/lairf.htm> (accessed March 12, 2006).
- ¹⁶ Livestock Accident/Incident Report Form available at <http://www.afac.ab.ca> (accessed March 12, 2006).
- ¹⁷ Humane Livestock Transportation. Alberta Farm Animal Care. See <http://www.afac.ab.ca/careinfo/transport/transport.htm#Anchor-TRAINING-47857> (accessed March 12, 2006).
- ¹⁸ Animal agriculture trade groups that address the transport of animals include: National Cattlemen's Beef Association ("Guidelines for the Care & Handling of Beef Cattle"), Milk & Dairy Beef Quality Assurance Center ("Caring for Dairy Animals"), American Veal Association ("Guide for the Care & Production of Veal Calves"), American Sheep Industry Association ("Sheep Care Guide"), National Chicken Council ("Animal Welfare Guidelines") and United Egg Producers ("Animal Husbandry Guidelines").
- ¹⁹ Trucker program revisited. National Hog Farmer, Sept 15, 2005.
- ²⁰ Quality assurance program launched. National Hog Farmer, Feb 15, 2002; Hog transportation program makes tracks. National Hog Farmer, Aug 15, 2004.
- ²¹ Trucker Quality Assurance – TQA (brochure). National Pork Board, Nov 2001. Available at <http://www.porkboard.org/TQA/intro.asp> (accessed March 12, 2006).
- ²² Trucker program revisited. National Hog Farmer, Sept 15, 2005.
- ²³ Trucker Quality Assurance – TQA (brochure). National Pork Board, Nov 2001. Available at <http://www.porkboard.org> (accessed March 12, 2006).
- ²⁴ Trucker program revisited. National Hog Farmer, Sept 15, 2005.
- ²⁵ The Federal Driver's Privacy Protection Act, passed by Congress in 1994, requires that personal information in Department of Motor Vehicle records be closed to the public. In addition, state open record

laws limit access to DMV and law enforcement reports. Typically information is only provided to those involved in the accident, their legal counsel and insurance companies. Since details of a law enforcement investigation are usually exempt from state open record laws, the cause of the accident would not be disclosed in any case.

²⁶ Livestock Slaughter: 2005. US Department of Agriculture, National Agricultural Statistics Service, March 2006, p. 61.

²⁷ Ibid.

²⁸ Media archives were not searched specifically for incidents involving bison and horses; however, a few incidents were identified for these animals while searching for other species.

²⁹ Workers save 70 cows in Manatee crash. Bradenton [FL] Herald, Aug 15, 2002.

³⁰ Hog-truck driver cited for fatal crash. Omaha [NE] World-Herald, Aug 8, 2001.

³¹ Great Falls [MT] Tribune, Feb 10, 2006.

³² Truck accident kills dozens of hogs on way to packing plant. Virginian-Pilot [Norfolk, VA], Sept 3, 2004.

³³ Spokesman-Review [Spokane, WA], June 6, 2002.

³⁴ Cattle truck overturns, killing about 40 animals. Herald-Journal [Spartanburg, SC], Sept 23, 2001.

³⁵ At least 44 calves die after crash. Sarasota [FL] Herald-Tribune, Aug 15, 2002.

³⁶ 13,500 chickens topple off truck in accident. News Journal [Wilmington, DE], June 2, 2005.

³⁷ Macon [GA] Telegraph, May 8, 2002.

³⁸ Paducah [MS] Sun, April 5, 2001.

³⁹ In one Kansas crash, 9 animals were struck by passing motorists. Hays [KS] Daily News, Nov 6, 2003.

⁴⁰ For example, see Holy cow! Loose calves cause traffic stir on 495, The Sun [Lowell, MA], Jan 5, 2005; Daily Sentinel [Grand Junction, CO], Nov 14, 2005.

⁴¹ For example, see Cattle truck overturns, killing about 40 animals, Charlotte [NC] Observer, Sept 24, 2001; Semi tips over, trapping cattle, Omaha [NE] World-Herald, Oct 15, 2001; Truck with 400 animals flips in Logan Canyon, Herald Journal [Logan, UT], Dec 10, 2002; Overturned livestock truck prompts cattle roundup in St Charles County, St Louis [MO] Post-Dispatch, Nov 16, 2004.

⁴² For example, see Cattle and oil trucks collide on interstate, Knoxville [TN] News-Sentinel, Aug 3, 2000; At least 44 calves die after crash, Sarasota [FL] Herald-Tribune, Aug 15, 2002.

⁴³ For example, see Chicken truck wreck ties up traffic, Macon [GA] Telegraph, May 8, 2002; Chicken truck wreck clogs road, The Times [Gainesville, GA], Oct 22, 2002; Truck full of chickens overturns, Charlotte [NC] Observer, Sept 22, 2004.

⁴⁴ For example, see Feathers fly in recent weeks, but officials see no trend, The Times [Gainesville, GA], Nov 21, 2002.

⁴⁵ Recommended Code of Practice for the Care and Handling of Farm Animals – Transportation. Canadian Agri-Food Research Council, 2001, p 51.

⁴⁶ Ibid.

⁴⁷ For example, see Hog truck crashes on Smithfield Bypass, killing dozens and injuring driver, Virginian-Pilot [Norfolk, VA], April 27, 2002; Big rig flips, leaving 500 pigs in a pickle, Star-Ledger [Newark, NJ], July 8, 2002; Overturned pig trailer stops traffic in its tracks, Omaha [NE] World-Herald, July 14, 2004.

⁴⁸ Transportation Department installs warning signs at Fort Smith junction. Daily Oklahoman [Oklahoma City, OK], Dec 26, 2002.

⁴⁹ Winkler, C. Rollover of Heavy Commercial Vehicles. UMTRI Research Review, Oct 1, 2000;31(4).

⁵⁰ Ibid.

⁵¹ Ibid.

⁵² Ibid.

⁵³ Desperate drivers defy limits as government safety net falters. Kansas City [MO] Star, Dec 16, 2001.

⁵⁴ Ibid.

⁵⁵ Trucking companies, drivers indicted. Fresno [CA] Bee, Dec 7, 2004.

⁵⁶ Ibid.

⁵⁷ Cattle roam downtown Topeka after semi crash. Wichita [KS] Eagle, Nov 12, 2000.

⁵⁸ For example, see Hog truck crashes on Smithfield Bypass, killing dozens of pigs, injuring driver, Virginian-Pilot [Norfolk, VA], April 27, 2002; Truck wreck hogs up Botetourt Road, Roanoke [VA] Times, May 6, 2003.

⁵⁹ FEMA Training Module – Livestock in Disasters, Unit 13 (Transportation Accidents/Euthanasia), p 13-6.

⁶⁰ Ibid.

⁶¹ AAHA Position Statements – Good Samaritan Position Statement. American Animal Hospital Association, no date. Available at http://www.aahanet.org/About_aaha/About_Position.html#samaritan (accessed March 6, 2006).

⁶² For example, see Road hogs, *The Gazette* [Cedar Rapids, IA], June 16, 2004.

⁶³ Concerns rise over hogs that are injured in truck crashes, *Virginian-Pilot* [Norfolk, VA], Sept 14, 2004. See also Truck carrying 200 hogs flips on Va 10 in Smithfield, *Virginian-Pilot* [Norfolk, VA], Oct 19, 2005. An animal advocacy organization filed a complaint with the Isle of Wight County commonwealth's attorney requesting that an animal cruelty investigation be conducted of Smithfield Foods for its failure to provide emergency veterinary care in this case. See PETA seeks animal-cruelty probe of Smithfield Foods, *Richmond [VA] Times-Dispatch*, Nov 18, 2005.

⁶⁴ On their way to market, pigs should be protected. *Virginian-Pilot* [Norfolk, VA], Sept 18, 2004.

⁶⁵ For example, see Cattle roam downtown Topeka after semi crash, *Wichita [KS] Eagle*, Nov 12, 2000; Fatal wreck creates traffic nightmare in Cobb, *Atlanta [GA] Journal-Constitution*, Oct 16, 2002.

⁶⁶ For example, see Buffalo roam highway after truck mishap, *Erie [PA] Times-News*, Jan 26, 2002; Response to cattle truck wreck earns a gold star, *Amarillo [TX] Globe-News*, Dec 7, 2003; Bison killed in truck crash that also injured truck driver, *Associated Press*, April 12, 2005.

⁶⁷ For example, see Learning to handle an equine emergency, *Cincinnati [KY] Post*, Oct 27, 2003; Whitley, Nobel test preparedness, *Journal-Gazette [Ft Wayne, IN]*, Sept 25, 2005.

⁶⁸ Emergency crews learn how to handle livestock. *Patriot-News [Harrisburg, PA]*, Feb 20, 2005.

⁶⁹ Ibid.

⁷⁰ Use of a captive bolt gun may not result in irreversible loss of brain function in all farm animal species and, therefore, should be followed immediately by slitting of the throat for exsanguination. See Daly CC & Whittington PE, Concussive methods of pre-slaughter stunning in sheep, *Res Vet Sci* 1986;41:353; Daly CC et al, Captive bolt stunning of cattle, *Br Vet J* 1987;143:574; Finnie JW, Brain damage caused by a captive bolt pistol, *J Comp Path* 1993;109:253; Finnie JW et al, Brain damage in pigs produced by impact with a non-penetrating captive bolt pistol, *Aust Vet J* 2003;81:153.

⁷¹ Recommended Code of Practice for the Care and Handling of Farm Animals – Transportation. Canadian Agri-Food Research Council, 2001, p 48.

Appendix A

Farm Animal Transport Accidents

State	Date	Location	Description of Accident
AL	06/09/05	I-65 near Selma, AL	3 dozen cattle escaped after truck hauling 116 cattle from Hope Hull, AL, to Stratford, TX, tipped over. Accident occurred when load shifted as driver was attempting to negotiate corner of exit ramp. (Montgomery Advertiser, 6/10/05)
	12/10/04	I-10 at George Wallace tunnel in Mobile, AL	Cattle truck overturned just after exiting tunnel at almost same spot as another cattle truck wreck the previous week. No cattle injured. (Mobile Register, 12/11/04)
	12/02/04	I-10 at George Wallace tunnel in Mobile, AL	1 cow killed and several injured when two-tiered tractor-trailer rig hauling about 120 cattle overturned onto a car, killing the driver. Driver of truck lost control entering a curve leading out of tunnel. Police cited speed and possible shifting of load as contributing factors in crash. (Mobile Register, 12/4/04)
	05/19/04	I-459 near Trussville, AL	Tractor-trailer transporting 40 cattle overturned when driver lost control. 7 cattle killed in crash, 31 taken to local stockyard and an unknown number said to be on the loose after escaping wreck. Sheriff's deputies, state troopers, local police and local ranchers assisted in round up. Veterinarians from state office on scene to "make sure carcasses were disposed of properly." (Birmingham Post-Herald, 5/20/04)
	08/23/02	I-459 near Birmingham, AL	Tractor-trailer loaded with chickens rolled over, turning loose 6,000 birds. (CNN Moneyline, 8/23/02)
	06/20/01	AL-43 & AL-82 in Northport, AL	Hundreds of birds moved from wreck and placed in new transport crates after tractor-trailer loaded with live chickens overturned. (Birmingham News, 6/21/01)
AZ	02/12/03	AZ-85, 6 mi north of Gila Bend, AZ	A stretch of roadway named "Devil's Highway" claimed lives of a woman and several cattle in a head-on collision when woman may have fallen asleep at the wheel and hit tractor-trailer hauling cattle. (Arizona Republic [Phoenix], 2/13/03)
AR	12/26/03	Highway 7, north of Dover, AR	Tractor-trailer carrying 2,000 pigs overturned at curve in road known as "Hog Farm Curve." Logs from a previous log-truck accident used to build corrals to hold pigs. (Seattle Post-Intelligencer, 12,27/03)
CA	12/30/05	I-80 near Farad, CA (between Truckee, CA & Reno, NV)	Solo accident injured or killed many of the 80 cattle aboard truck. Two cows from truck still missing 4 days after incident. (Sacramento Bee, 1/3/06)
	10/20/05	CA-120 in western Tuolumne County, CA	Multi-vehicle crash occurred involving tractor-trailer hauling turkeys. No further details given. (Modesto Bee, 10/21/05)
	02/02/05	CA-49 between Cool & Georgetown, CA	Tractor-trailer carrying 91 cattle overturned after wheels got stuck on shoulder of the road and truck went down an embankment. 14 animals died in wreck. About half of the surviving cattle escaped from trailer after accident and the rest had to be cut free from their compartments. 6-9 cows still missing several days later. (Mountain Democrat [Placerville], 2/7/05)
	10/18/04	CA-37 at Marine World Parkway in Vallejo, CA	Scores of chickens were scattered on highway after tractor-trailer they were riding in struck a center divider and flipped onto its side. Highway patrol officers captured released birds. (San Francisco Chronicle, 10/19/04)

	05/13/04	Midway Rd in Dixon, CA	5 yearling steers and heifers were killed when trailer they were riding in was hit by van that ran a stop sign. The Reporter [Vacaville], 5/14/04
	10/25/02	CA-43 & Pickerell Ave in Corcoran, CA	Truck transporting chickens for Foster Farms collided with another vehicle. Some birds escaped onto road from damaged crates. Animal control officers called to capture birds. (Fresno Bee, 10/26/02)
State	Date	Location	Description of Accident
	09/09/02	Restano Way & South Stewart St in Sonora, CA	28-ft trailer loaded with turkeys from Diestel Ranch overturned, spilling dozens of crated birds onto road. About 10 turkeys released from crates by impact of crash. (Modesto Bee, 9/10/02)
	09/06/02	US-101 at Mark West Springs Rd in Santa Rosa, CA	2 trailers loaded with chickens overturned when driver swerved to avoid a car running a red light. Several hundred crated birds were thrown onto highway. (San Francisco Chronicle, 9/7/02)
	03/05/01	I-280 near Black Mountain Rd in Hillsborough, CA	6-mo-old calf fell from pickup truck when animal jerked free from his tie after being frightened by tarp being blown off back of truck. Group of law enforcement and humane officers and local ranch hand helped corral calf. Peninsula Humane Society obtained title to animal and planned to place him for adoption. (San Francisco Chronicle, 3/10/01)
	01/22/01	CA-99 at Keyes overpass near Modesto, CA	About 300 of 1,500 Foster Farms turkeys onboard tractor-trailer were killed when truck overturned. Highway patrol attributed accident to unsafe speed. (Modesto Bee, 1/23/01)
	08/03/00	I-15 near CA-138 in Cajon Pass, CA	Nearly 100 hogs being hauled to slaughter killed when tractor-trailer overturned. Driver lost control due to thick fog. (Press-Enterprise [Riverside], 8/31/00)
	07/17/00	Costa Mesa Freeway near Dyer Rd in Orange County, CA	Show pig suffered injuries when animal jumped out back of horse trailer and landed on her belly on freeway. Pig later euthanized due to injuries. (Orange County Register, 7/18/00)
CO	11/14/05	US-50 near Delta County line, CO	Bison riding in trailer were thrown onto highway when the truck pulling trailer was involved in an accident and trailer back opened. 4 of the 9 bison aboard trailer were seriously injured. (Daily Sentinel [Grand Junction], 11/14/05)
	01/14/03	I-70 in CO	Driver of tractor-trailer carrying cattle lost control and overturned his rig after swerving to avoid a car that veered into truck's lane. 8 of the 75 cattle aboard truck were killed and 3 were set loose on highway. (Rocky Mountain News, 1/15/03)
	07/06/02	Between Peetz & Illiff, CO	Semi-truck transporting 40 cattle collided with pickup truck. 4 cows killed. Accident caused by pickup attempting a left turn as semi was passing it. (Journal-Advocate [Sterling], 7/8/02)
	03/02/00	US-85 at 22 nd St in east Greeley, CO	Driver of tractor-trailer loaded with cattle ran red light and crashed into car, killing man. No details on fate of animals given. (Denver Post, 3/3/00)
CT	01/19/04	I-395 near Griswold, CT	Deer crossing the road caused driver of tractor-trailer hauling chickens to swerve, crash through center guardrail and tip over. Icy roads may have also played a role in the crash. (The Day [New London], 1/20/04)
DE	06/01/05	DE-20 east of Seaford, DE	Load of 13,500 chickens in route to Perdue slaughterhouse in Salisbury, MD, flew off back of a tractor-trailer. As many as half of the birds may have been killed in accident. Accident occurred when car pulled out in front of semi carrying chickens. (News Journal [Wilmington], 6/2/05)

FL	10/19/05	FL-64 near Myakka City, FL	4 cows killed when driver of tractor-trailer rig failed to slow for a curve and the truck overturned and slid more than 200 feet on its side. Driver cited for careless driving. (Sarasota Herald-Tribune, 10/21/05)
	02/10/04	I-595 ramp to Florida Turnpike	Driver of tractor-trailer loaded with chickens attempted highway ramp too fast and overturned. Driver cited for excess speed. No details given on condition of birds. (Miami Herald, 2/11/04)
	03/07/03	I-10 in Santa Rosa County, FL	Tractor-trailer transporting cattle overturned when driver fell asleep at the wheel. Several of the 75 cattle on truck were killed, including 1 that was struck and killed by passing car. (Pensacola News Journal, 3/19/03)
State	Date	Location	Description of Accident
	08/14/02	I-75 at US-301 exit in Manatee County, FL	Tractor-trailer hauling calves from Blue Head Ranch overturned when driver lost control approaching a curve. 115 weaned calves trapped inside two-tiered trailer for 7 hrs, stacked sideways on top of each other. Despite efforts of rescuers, including vets, fire crews, county inmates and ranchers, 44 of calves died. Driver charged with careless driving. (Sarasota Herald-Tribune, 8/15/02; Miami Herald, 8/16/02)
	07/29/00	I-95 between FL-520 & FL-524 in Cocoa, FL	19 animals, including pigs, rabbits, birds & goats, were killed when trailer hauling 200 animals from GA to slaughterhouse in Miami was rear-ended by U-Haul rental truck. Highway patrol officers shot at least 6 animals, while animal control officers removed survivors from trailer. (Florida Today [Melbourne], 7/30/00)
GA	12/23/02	I-20 in Douglas County, GA	18-wheeler hauling cattle collided with passenger car. Accident occurred when driver of car crossed over median and into truck's lane of travel. (Augusta Chronicle, 12/24/02)
	11/11/02	Harmony Church Rd in East Hall, GA	Chickens and their transport crates tossed on highway when truck hauling 6,000 birds to ConAgra slaughter plant in Gainesville wrecked. According to driver accident occurred when he swerved to miss a dog. Driver also said loaded chicken trucks tend to be top-heavy. (The Times [Gainesville], 11/21/02)
	10/21/02	GA-52 & Gillsville Highway near Gillsville, GA	Driver of ConAgra truck lost control of his vehicle in a curve, causing truck to wreck and scattering load of live chickens on highway. (The Times [Gainesville], 10/22/02)
	10/16/02	I-75 in Marietta, GA	Tractor-trailer truck hauling 42 cattle for Rocking B Cattle Inc crashed into highway median wall, killing driver and 9 cows. 4 more animals euthanized because of injuries. Fire crews and veterinarians from Dept of Agriculture and local vet clinics worked for several hours to free and care for surviving animals. Cause undetermined at press time. Accident caused 7 other vehicles to wreck. (Atlanta Journal-Constitution, 10/16/02 & 10/17/02)
	05/07/02	GA-247 in Houston County, GA	Driver of truck carrying chickens to Cagle's Inc slaughter plant in Kathleen lost control and jackknifed his rig when struck by passenger car. More than 4,000 chickens thrown from the truck; at least 3,000 killed. Slaughter plant employees responded to crash. (Macon Telegraph, 5/8/02)

	04/17/02	I-75 near Forsyth, GA	2,000 chickens from Crider Poultry were tossed onto highway when tractor-trailer transporting them overturned while rounding curve in the road. Unknown number of birds was killed in crash. (Macon Telegraph, 4/18/02)
	11/01/01	I-16 in Bibb County, GA	Chickens released onto highway after 2 tractor-trailer rigs, 1 carrying chickens for Crider Poultry, collided. No other details given. (Macon Telegraph, 11/2/01)
	01/02/01	I-85 & US-441 near Commerce, GA	Truck transporting crated chickens crashed. Unspecified number of chickens killed in accident and others escaped. (Atlanta Journal-Constitution, 1/2/01)
	11/27/00	Third Ave in McRae, GA	Pickup truck hauling a trailer with hogs rear-ended passenger car, killing driver. Driver of pickup charged with homicide by vehicle and driving too fast for conditions. (Macon Telegraph, 11/29/00)
	09/12/00	Emery Highway near Macon, GA	Trailer hauling 4 cows flipped, releasing animals on highway. 1 cow struck by car; 1 cow shot and killed to prevent her from running into traffic, and 2 cows eventually recaptured. (Macon Telegraph, 9/16/00)
	04/15/00	I-285 & I-75 in Cobb County, GA	Chickens bound for slaughter scattered on the highway when tractor-trailer hauling them overturned. (Atlanta Journal-Constitution, 4/16/00)
State	Date	Location	Description of Accident
HI	04/28/04	Kaukonahua Rd in Waialua, HI	15 of 90 cows aboard a tractor-trailer killed when driver of truck lost control and overturned the vehicle. (Honolulu Advertiser, 4/29/04)
ID	10/27/05	I-84 near Mountain Home, ID	Trailer hauling cattle caught fire after truck blew a tire. Driver opened trailer to allow cattle to escape. Local ranch hands helped to recapture animals. No details on number of cattle killed or injured. (Associated Press, 10/28/05)
	07/25/05	Unspecified highway	Cattle truck overturned, requiring state troopers to recapture freed cattle. No details on deaths or injuries. (CNN Daybreak, 7/26/05)
	11/11/02	US-95 near Bonners Ferry, ID	Tractor-trailer truck carrying 180 pigs crashed into 2 cars after driver of truck lost control. Accident attributed to driver taking tight corner too fast. (Spokesman-Review [Spokane], 11/12/02)

IL	11/10/05	I-80 & IL-47 near Morris, IL	Semi-truck hauling pigs overturned after swerving across the center median. No details on animal injuries or deaths. (Chicago Sun Times, 11/11/05)
	09/17/02	Ramp from US-51 to I-72 near Decatur, IL	Tractor-trailer transporting 550 hogs flipped at freeway on-ramp. More than 50 pigs died in crash and others were euthanized due to injuries. Firefighters credited with saving many of the animals by removing them from wreck and spraying them with water and using a fan to keep them cool. (Herald & Review [Decatur], 9/18/02)
	07/23/02	La Fox Rd & Route 64 in Wasco, IL	Pickup truck carrying pigs to Du Page County Fair hit by car running a stop sign. Pigs not injured. (Daily Herald [Arlington Heights], 7/24/02)
	02/28/01	Parkside Dr in Washburn, IL	About 20 of 180 hogs died when truck transporting animals to slaughterhouse overturned. Police said weight in rig shifted when driver tried to negotiate a curve. Trailer flipped but no hogs escaped. (Journal Star [Peoria], 3/1/01)
	03/09/00	US-24, 1½ mi west of Gridley, IL	2 people killed when their pickup truck crossed centerline and hit truck carrying cattle. No details on fate of animals. Cattle truck owned by Clanahan Trucking Co. (Pantagraph [Bloomington], 3/10/00)
IN	08/30/05	Centennial Ave & Muncie Bypass in Centennial, IN	Tractor-trailer carrying hogs collided with a car and then crashed into the Centennial union hall. Accident occurred when driver of car pulled in front of semi. Both drivers cited for driving on suspended licenses. Hogs appeared uninjured. (Star Press [Muncie], 8/31/05)
	03/08/05	US-20 in LaGrange County, IN	Tractor-trailer rig hauling chickens struck a Krispy Kreme Doughnuts truck. Unspecified number of chickens was killed during crash. Crew of workers recaptured surviving birds and placed them on other trucks for transport. (Journal-Gazette [Fort Wayne], 3/9/05)
	09/04	Unspecified highway	30 of 51 horses killed when two-tiered cattle truck they were being transported in overturned. Owner stated horses were bound for her home in KY to be sold as riding horses, but animal advocates suspected horses on way to Cavel International horse slaughter plant in DeKalb, IL. (Chicago Sun Times, 9/19/04)
	01/30/03	I-64 in Posey County, IN	Truck hauling about 100 cattle overturned after driver fell asleep. Several animals killed in crash and others later struck and killed by vehicle. Dozens of cattle escaped following accident with 20 still on loose 12 hrs later. Local farmers helped recapture the cattle. (Evansville Courier & Press, 1/31/03)
	08/20/02	I-69 near Angola, IN	Cattle truck overturned for unknown reasons. Animals examined for injuries by vet. (Journal Gazette [Fort Wayne], 8/21/02)
	06/11/02	County Rd 400 South & US 421 in Carroll County, IN	A minivan pulled into the path of a tractor-trailer hauling 200 hogs causing semi to roll over. Local farmers and workers from Indiana Packers, where the hogs were headed, helped with cleanup. 23 hogs were killed and unspecified number injured in crash. (Journal and Courier [Lafayette], 6/12/02)
State	Date	Location	Description of Accident
IA	10/23/05	I-35 south of Cumming, IA	Unspecified number of pigs jumped out of back of a pickup truck after it lost its topper. None survived the accident. (Associated Press, 10/24/05)

	07/22/05	I-80 near Madison Ave in Council Bluffs, IA	Driver of truck owned by Kerr Trucking of Clermont lost control of vehicle while going at high rate of speed, hitting guardrail and toppling into ditch. At least 1 of the steers bound for Greater Omaha Packing Co died in crash, while unspecified number of injured animals killed by police. Personnel from several agencies including Council Bluffs animal control assisted in recapturing 3 dozen cattle that escaped from wreck. (Omaha World-Herald, 7/23/05)
	06/06/05	US-30 near Missouri Valley, IA	About 60 hogs killed when semi-trailer they were riding in crashed into a ditch. Another 20 severely injured animals were euthanized. Preliminary investigation indicated driver was reaching for something when crash occurred. Local farmers captured about 15 animals that wandered off from scene of accident. (Omaha World-Herald, 6/7/05)
	01/07/05	Near Sioux Center, IA	Truck hauling cattle to a rural farm crashed into house on the property when driver swerved to avoid rear-ending another truck. Blowing snow obstructed driver's vision. (Aberdeen American News, 1/10/05)
	12/06/04	I-35/80 & I-235 connector ramp, north of Des Moines, IA	Firefighters corralled 20 hogs after tractor-trailer they were riding in overturned; another 80 remained onboard the truck. No animals appeared injured. Investigators looking at whether driver was traveling too fast to negotiate the curve of ramp between 2 interstate highways. (Des Moines Register, 12/7/04)
	06/15/04	I-380 near Cedar Rapids, IA	7 young pigs tumbled off back of tractor-trailer rig when rear gate came open. Animal control official, who picked up injured animals at the scene, said her shelter can't adopt out pigs, and any survivors would be euthanized when they reached the shelter. (The Gazette [Cedar Rapids-Iowa City], 6/16/04)
	04/25/02	I-80 & I-380 at Coralville, IA	Semi-trailer rig hauling 21 cattle flipped over on highway. No other details given. (The Gazette [Cedar Rapids-Iowa City], 4/26/02)
	02/26/02	I-80 near Davenport, IA	More than a dozen cattle killed when truck hauling them overturned after rear-ending a car. Surviving cattle removed from wreck and taken to local cattle lot. (Omaha World-Herald, 2/27/02)
KS	12/19/05	I-70 near Junction City, KS	Disabled cattle truck parked on shoulder of interstate was struck from behind by second tractor-trailer carrying paper products. Local vet called to the scene said 4 animals died in crash and 4 others with severe injuries were euthanized. Surviving cattle rounded up and taken to area livestock market. (Topeka Capital Journal, 12/20/05)
	11/13/05	I-70 near 10 th St bridge in downtown Topeka, KS	Cattle truck overturned when driver swerved to miss a vehicle that veered into his lane. Several cattle died in crash and at least 1 was struck by car. Truck driver and occupant of car transported to a hospital. Driver of the truck, an employee of Vance Trucking, cited for driving too fast. (Topeka Capital Journal, 11/14/05)
	09/29/05	KS-96 east of Mount Hope, KS	Semi-trailer transporting cattle ran off road, struck sign and rolled over when driver fell asleep at the wheel. Some cattle euthanized due to injuries. County animal control officers helped round up loose animals. (Wichita Eagle, 9/30/05)
	07/23/05	I-670 near 7 th St overpass in Kansas City, KS	Load of 250 sheep dumped on highway when truck hauling them overturned. Press account indicates, "many sheep were killed." No cause of accident given. (Kansas City Star, 7/25/05)

State	Date	Location	Description of Accident
	04/20/05	Near Baldwin City, KS	Driver and 13 cattle injured when tractor-trailer left road and overturned in ditch. No cause of accident given. (Ottawa Herald, 4/21/05)
	01/20/05	KS-61 at Cherokee Rd in Inman, KS	Driver of a tractor-trailer loaded with cattle fell asleep at the wheel and slammed into power lines and a building. Cattle appeared uninjured and were transported to nearby farm for examination. Police determined driver had exceeded 14-hr daily driving limit. (Hutchinson News, 1/20/05)
	11/28/04	Kansas Turnpike at El Dorado toll plaza	Semi-trailer transporting cattle overturned, setting animals loose at highway exit. Accident may have occurred when driver dozed off. (Wichita Eagle, 11/29/04)
	01/14/04	US-50 west of Burrton, KS	Accident involving 3 tractor-trailers, 1 carrying cattle, resulted in deaths of 21 cows. Another animal euthanized due to injuries sustained in crash. (Wichita Eagle, 1/15/04)
	01/14/04	Ramp from Kellogg St to I-235 in Wichita, KS	Semi-trailer hauling 1,000 pigs overturned after driver lost control of vehicle on tight highway ramp curve. Unspecified number of pigs killed. Police officers, firefighters, state troopers and animal control officers responded and transferred animals from wrecked trailer to smaller trailers. (Wichita Eagle, 1/15/04)
	11/06/03	I-70 near Edson, KS	After tractor-trailer carrying 101 cattle rolled over on interstate, at least 5 vehicles, including an ambulance on way to the accident, struck cattle let loose by the crash. 11 animals died in crash and 9 others killed after they were hit by passing motorists. Visibility reduced due to fog. Nearby farmer called to help recapture animals. (Hays Daily News, 11/6/03)
	11/02/03	101 st & Peace Rd in Hutchinson, KS	About a dozen cattle killed when tractor-trailer carrying the animals overturned. According to sheriff, driver was driving too fast to negotiate a curve. (Hutchinson News, 11/4/03)
	10/22/03	US-56 west of Great Bend, KS	Semi-trailer hauling 93 calves overturned on top of a car, critically injuring driver. 13 calves also killed. Accident occurred when truck rounded a curve and cattle shifted to one side of trailer. (Wichita Eagle, 10/24/03)
	09/22/03	US-160 near Clark-Meade County line, KS	15 cattle killed when driver of tractor-trailer dropped off edge of road, lost control and crashed. Truck was headed to Sublette Feeders. (Hutchinson News, 9/24/03)
	04/17/03	I-156 in Pawnee County, KS	Driver of truck hauling cattle trailer lost control after leaving roadway, overcorrecting and flipping trailer on its side. 6 cattle died and several were freed onto road after crash. (Hutchinson News, 4/21/03)
	01/23/03	KS-4 & US-24 in northeast Shawnee County, KS	Semi-trailer carrying 70 cattle rolled onto its side when driver attempted to negotiate highway exit ramp. Unspecified number of animals killed in crash. (Topeka Capital Journal, 1/24/03)
	06/29/02	I-70, 12 mi east of Russell, KS	Semi-trailer loaded with cattle ran off road and into ditch when driver started to fall asleep. (Hays Daily News, 6/30/02)
	12/01/01	KS-4, 2 mi north of Valley Falls, KS	Semi-trailer hauling cattle and car collided when car strayed into lane occupied by truck. Trailer rolled onto its side during accident. No details given on number of cattle killed or injured. (Topeka Capital Journal, 12/2/01)
	12/27/00	I-135 just south of Salina, KS	Several cattle killed when cattle trailer wrecked at interstate exit. Law enforcement officers herded surviving cattle away from traffic. (Hutchinson News, 12/28/00)

	11/09/00	I-70 in downtown Topeka, KS	17 cattle killed when truck wrecked. 80 surviving cattle taken to veterinary hospital before transfer to livestock yard in Oklahoma to recover. Crash was third by cattle truck on same stretch of highway in 1 yr. According to police, truck hit bridge pylon while rounding a curve. (Wichita Eagle, 11/12/00)
State	Date	Location	Description of Accident
	09/18/00	I-70 near 3 rd St exit in Topeka, KS	Semi-trailer truck transporting 75 cattle to a feedlot in Beloit flipped onto its side as it approached a curve; 11 cattle died or were euthanized. Animals shifted to one side of the trailer after driver applied brakes, causing truck to overturn. Police cited driver for driving too fast for conditions. Animal control assisted in capturing escaped cattle, and injured animals taken to county veterinarian's hospital. (Topeka Capital Journal, 9/19/00).
	07/27/00	Kellogg St & 119 th West in Wichita, KS	Load of 70-80 cattle overturned after broadsiding sports utility vehicle. Driver of truck and passenger from SUV hospitalized with injuries. No details given on condition of animals or cause of the accident. (Wichita Eagle, 7/12/00)
	06/15/00	KS-138 between I-70 & Paxico, KS	Tractor-trailer overturned near a construction zone, killing 5 of 94 cattle aboard. Local veterinarian called to scene to care for injured animals. Cause of accident not given. (Topeka Capital Journal, 6/16/00)
	06/03/00	Asken Rd & KS-63 in Pottawatomie County, KS	Pickup truck pulling loaded cattle trailer collided with a train when driver of the truck attempted to stop, skidded and jackknifed the trailer. None of cattle appeared to be injured. (Topeka Capital Journal, 6/4/00)
KY	11/08/05	I-64 & Shawnee Expressway in Louisville, KY	34 of 87 cattle aboard tractor-trailer rig killed when driver of the truck failed to negotiate a highway ramp and crashed. (Courier-Journal [Louisville], 11/9/05)
	09/23/05	I-64 near Shawnee Expressway in Louisville, KY	Cattle freed onto interstate after tractor-trailer hauling them overturned. Cause of accident said to be unclear. (Courier-Journal [Louisville], 9/24/05)
	01/08/05	Purchase Parkway south of Mayfield, KY	Tractor-trailer loaded with hogs in route to Jimmy Dean slaughter plant in TN ran off road when driver either lost control or fell asleep. Driver was killed in crash, and 18 of the 80 pigs aboard trailer either died in accident or were shot by police. (Lexington Herald-Leader, 1/9/05)
	04/04/01	Wayne Freeman Rd near Symsonia, KY	Driver of ConAgra Poultry Co truck lost control in a curve and ran off the road and hit a concrete culvert. 6,500 of 7,300 chickens on truck were killed. (Paducah Sun, 4/5/01)
LA	10/26/01	I-49 near Baton Rouge, LA	Tractor-trailer hauling more than 50 cows hit flatbed truck carrying steel rods. Driver of cattle truck lost control when he clipped some rods while attempting to pass the flatbed. Unknown number of cattle died in accident. (Town Talk [Alexandria], 10/27/01)
	05/25/00	I-55 near Independence, LA	Tractor-trailer hauling chickens to Sanderson Farms slaughterhouse rear-ended pickup truck, causing a 4-vehicle chain reaction accident and sending at least 4 people to the hospital. About 800 of the 8,000 chickens on trailer were killed. Workers from Sanderson Farms slaughter plant helped recapture surviving birds. (New Orleans Times Picayune, 5/28/00)

MD	08/14/00	Route 313 in Dorchester County, MD	Perdue Chicken truck crashed while rounding a curve, tossing hundreds of chickens onto road. No details given on number of birds killed or injured. (Washington Times, 8/15/00)
MA	01/04/05	I-495 & Route 119 in Littleton, MA	Eight 100-lb calves were tossed onto the roadway when they fell out the unlatched back gate of a livestock trailer. 1 calf wandered off and was found by use of thermal imaging camera. No animals were injured. Driver cited for improperly secured load. (The Sun [Lowell], 1/5/05)
MI	11/27/05	US-10 near Carter in Williams Township, MI	Door of a trailer hauling cattle became unlatched, releasing 4 cows onto highway. Police spent 90 minutes rounding up the animals. No injuries reported. (Saginaw News, 11/28/05)
State	Date	Location	Description of Accident
MN	11/21/05	MN-75, 3 mi north of Ivanhoe, MN	2 brothers pulling a trailer with hogs were killed when their pickup lost a wheel, plunged into a ditch and flipped over. No information regarding condition of hogs given. (Argus Leader [Sioux Falls, SD], 11/24/05)
	09/27/05	Near Lake Crystal, MN	Semi-trailer hauling hogs involved in collision with pickup truck, killing driver of the semi. Pickup driver, who was intoxicated, charged with criminal vehicular homicide. No details on condition of hogs given. (St Paul Pioneer Press, 10/23/05)
MS	04/29/04	MS-501 near Sylvarena in Smith County, MS	Tractor-trailer rig hauling chickens overturned, scattering birds on highway. No other details provided. (Associated Press, 4/29/04)
	10/16/02	US-49 near Country Oaks Rd in Stone County, MS	Chain-reaction accident involving 18-wheeler and 2 pickup trucks killed 3 of 4 cows being transported by one of pickups. Accident occurred in winding section of highway that had lanes closed for construction. (Sun Herald [Biloxi], 10/17/02)
	10/16/00	16 mi south of Jackson, MS	Cattle truck crossing railroad tracks without guard arms was struck by freight train. Driver of truck and half of the 50 cows onboard were killed. (Memphis Commercial Appeal, 10/17/00)
MO	04/21/05	Highway 350 & Raytown Rd in Raytown, MO	Truck hauling cattle crashed, releasing 18 animals onto road. Cause of accident not disclosed. Vet from local animal hospital treated 1 injured cow. (Kansas City Star, 4/22/05)
	04/05/05	US-71 at 59 th St in Kansas City, MO	Driver of tractor-trailer hauling cattle ran red light and broadsided a passenger vehicle, killing driver of the car and injuring his wife. Truck was transporting 68 cattle from AL to NE. (Kansas City Star, 4/5/05)
	11/16/04	I-70 near Cave Springs Blvd in St Charles County, MO	Tractor-trailer carrying 63 cows and steers to a stockyard in NE crashed and overturned when driver fell asleep at the wheel. 18 of the cattle either died in crash or were killed because of injuries. 1 animal who escaped from damaged trailer was hit by another truck. (St Louis Post-Dispatch, 11/17/04)
	11/15/04	Highway 61 in St Charles County, MO	Truck owned by Caruso Cattle Co overturned after driver lost control while reaching for his cell phone. Of the 111 calves in route to a feedlot, 22 either died in crash or were euthanized by veterinarian and animal control workers from St Charles County. Firefighters worked 4 hrs to remove all animals from the damaged trailer. (St Louis Post-Dispatch, 11/16/04)
	09/08/04	US-71 near MO-58 in Cass County, MO	Tractor-trailer carrying 60 steers veered into highway median and overturned. About 15 of the animals being transported to NE from West Plains, MO, were killed in crash. 2 subsequent collisions occurred when vehicles struck animals that had escaped through hole in the trailer. (Kansas City Star, 9/9/04)

	05/29/04	I-55 near Highway 67 in Jefferson County, MO	Tractor-trailer hauling more than 30 cattle overturned, killing at least 1 animal. No cause of crash given. (St Louis Post-Dispatch, 5/30/04)
	09/18/03	I-435 & I-35 in Claycomo, MO	1 bull and 1 horse were killed when tractor-trailer hauling 53 animals to college rodeo at River Falls, WI, rolled over. Highway patrol said driver was going too fast to negotiate a curve connecting 2 interstate highways. 20 animals had to be freed from overturned trailer. (Hutchinson News, 9/19/03)
	04/09/03	I-70 near St Louis, MO	Truck carrying 100 hogs to TN burned when tire caught fire and flames spread to trailer. 6 hogs died in fire, and 3 more shot and killed by police after they escaped from wreck. (St Louis Post-Dispatch, 4/10/03)
State	Date	Location	Description of Accident
	11/18/02	I-35 south of Front St in Kansas City, MO	Driver of tractor-trailer hauling 170 pigs blamed mechanical problems for losing control of rig and tipping it over on interstate. (Kansas City Star, 11/19/02)
	05/22/02	Highway 54 near Madison St overpass in Jefferson City, MO	50-60 of 650 pigs were killed when truck transporting the animals flipped on its side in a 1-vehicle accident. The animals, owned by Cargill, were on their way from Eldon to Independence. Police, fire department, veterinarian and city animal control officers responded to the scene. Police said truck was traveling too fast for a curve, causing load to shift. (Jefferson City News-Tribune, 5/23/02)
	02/18/02	I-44 near Springfield, MO	Trailer hauling cow and bull tipped over. Cow was shot and killed because of injuries. Bull was shot by highway patrol trooper after he got loose and charged trooper. (Springfield News Leader, 2/19/02)
	08/20/01	Highway 54 in Jefferson City, MO	"The piteous and agonized squeals of 225 pigs caught in a semi-tractor trailer accident filled the air" after driver took curve too fast, weight of animals shifted and truck overturned. About 50 pigs died in the crash. 2 local vets and city animal rescue workers tended to injured animals. Truck, owned by Ferguson Trucking, was transporting animals from NV to Beardstown, IL. (Jefferson City News-Tribune, 8/21/01)
	02/14/01	I-64 at I-55 in East St Louis, MO	Truck carrying 700 pigs overturned, killing an unspecified number of animals. Police killed 2 injured animals. Law enforcement, rescue personnel and passers-by herded about 100 escaped pigs into makeshift fenced area by side of road. Driver, who operated truck owned by Miller Livestock Co, cited for speeding. (St Louis Post-Dispatch, 12/15/01; Belleville News-Democrat, 12/15/01)
MT	02/08/06	I-15 south of Wolf Creek, MT	Truck hauling 240 pigs tipped over and crashed, killing 83 of the animals. Accident occurred when driver rounded a curve too fast and lost control of vehicle. According to highway patrol, impact caused the trailer's roof "to tear open like a can." (Great Falls Tribune, 2/10/06)
	04/11/05	US-212 east of Lame Deer on Northern Cheyenne Indian Reservation, MT	Tractor-trailer rig hauling bison overturned and landed in a ditch. 18 of the animals killed during crash, and another dozen who escaped truck were shot and killed. Trucking company's insurer gave permission for tribal members to shoot loose animals rather than trying to recapture them. Accident occurred as result of driver taking curve at too high a rate of speed. (Associated Press, 4/12/05)

	03/01/04	Old Havre Highway & MT-87 near Great Falls, MT	Tractor-trailer hauling 32 cattle overturned, killing 1 cow. Some of surviving cattle were bloody and scratched as result of stepping on each other while attempting to right themselves inside trailer. Accident occurred when passenger car crowded into truck's lane and driver of truck went onto shoulder to avoid collision. Workers from nearby vet clinic rounded up escaped animals. (Great Falls Tribune, 3/2/04)
	12/28/01	I-15 near Shelby, MT	14 cattle killed and a local fire chief and EMT injured in the aftermath of crash of a cattle tractor-trailer. Emergency crews sawed open roof and back of trailer to release animals. (Great Falls Tribune, 12/29/01)
	11/24/00	I-15 near Wolf Creek, MT	14 of 200 pigs killed when they fell onto highway from semi-trailer. Highway patrol said driver of truck turned a corner at too high a rate of speed. (Great Falls Tribune, 11/26/00)
NE	07/13/04	US-77 & NE-92 in downtown Wahoo, NE	While rounding curve, driver of tractor-trailer hauling hogs to Crete, NE, slaughterhouse lost control and flipped trailer on its side. At least half-dozen hogs killed. Local farmers made pen to hold animals, and volunteer firefighters sprayed animals with hoses to keep them cool. (Omaha World-Herald, 7/14/04)
State	Date	Location	Description of Accident
	11/29/03	Intersection in Norfolk, NE	Semi-trailer hauling 190 cattle overturned after driver ran red light and struck 2 vehicles. Condition of animals not given. Driver ticketed for running red light. (Omaha World-Herald, 12/1/03)
	10/08/03	Ramp connecting US-6 & I-80 in Lancaster County, NE	Some of the 2,448 turkeys being transported in semi-trailer were dumped from their transport crates onto the highway when truck was tipped on its side. Driver charged with driving too fast for conditions and driving a vehicle with defective brakes and tires. (Lincoln Journal Star, 10/8/03)
	10/14/01	48 th & McKinley Sts in Omaha, NE	Tractor-trailer hauling cattle overturned when animals' weight shifted, causing truck to tip over onto passenger side. Firefighters cut hole in top of double-tiered trailer to remove cattle. None appeared injured from accident, but 1 animal was shot and killed by police after he got loose. (Omaha World-Herald, 11/15/01)
	08/07/01	Platte River Bridge on US-77, 1 mi south of Fremont, NE	Driver of tractor-trailer carrying 190 hogs to Hormel Foods slaughterhouse cited on suspicion of motor-vehicle homicide in collision that killed driver of a pickup truck. More than 100 hogs died in crash. Driver was pulling trailer owned by ALA Transportation of Inman, KS. (Omaha World-Herald, 8/8/01)
	09/20/00	NE-15 near Seward, NE	Cattle truck overturned when driver attempted to pass 2 vehicles and collided with a pickup. Nearly 60 animals escaped following wreck; a week later, 15 remained missing. (Lincoln Journal Star, 9/29/00 & 9/27/00)
NV	04/20/00	US-50, 5 mi east of Dayton, NV	Collision occurred between pickup truck and another pickup pulling a trailer transporting a dozen calves. No details on condition of animals or cause of accident were available at press time. (Reno Gazette-Journal, 4/21/00)

NJ	11/17/05	NJ Turnpike near Newark, NJ	2 crates of turkeys, holding 12 birds each, fell off a truck. Turkeys were not killed and remained inside crates. (Herald News [West Patterson], 11/19/05)
	11/08/04	NJ Turnpike near Washington Township, Mercer County, NJ	Truck hauling 45 sheep was rear-ended by tractor-trailer, killing 22 of the animals. 6 more killed by law enforcement due to injuries. (Star-Ledger [Newark], 11/9/04 & 11/10/04)
	10/12/04	NJ Turnpike near Barrington in Camden County, NJ	Tractor-trailer transporting chickens rear-ended by another truck and caught fire. About half of the chickens died in fire; survivors who escaped the wreck were captured by emergency crews. (New York Times, 10/13/04)
	07/07/02	Route 78 on-ramp from Routes 1 & 9 in Newark, NJ	500 pigs were stuck in tractor-trailer when it overturned at a curve in highway on-ramp. Firefighters used hoses to spray water on pigs through side door of the overturned trailer. (Star-Ledger [Newark], 7/8/02)
	04/18/01	NJ-40 & Front St in Elmer, NJ	Truck carrying 8,400 chickens in route to Vineland Kosher Poultry slaughterhouse overturned, spilling load on side of road and onto private property. Driver cited for improperly secured load. Unspecified number of chickens died in crash. Police chief said taking curve at too fast a speed likely a factor in accident. (Daily Journal [Vineland], 4/19/01)
NY	07/01/02	NY-241 in Town of Conewango, NY	Will's Poultry truck overturned when driver swerved to miss a deer in road. No details provided on condition of chickens. (Buffalo News, 7/2/02)
	04/17/00	Route 11B in St Lawrence County, NY	Truck pulling trailer with a cow and calf flipped on its side when driver fell asleep and went off road. Both animals killed in accident. (Watertown Daily Times, 4/18/00)
State	Date	Location	Description of Accident
NC	11/09/05	NC-11 in Pender County, NC	About 3,000 chickens scattered along roadway when truck transporting them to Nash Johnson & Sons poultry slaughterhouse in Rose Hills crashed. Transport crates holding the birds skidded more than 70 feet, killing about 80% of the birds. Driver cited for exceeding a safe speed while rounding a curve. (Star-News [Wilmington], 11/10/05)
	08/23/05	I-40/440 between Rock Quarry Rd & Lake Wheeler Rd outside Raleigh, NC	7 pigs were killed when they tumbled out of an open door in back of trailer hauling the animals from Warsaw, NC, to Iowa. 4 pigs died during accident, while a veterinarian euthanized 3 more due to injuries. Driver cited for not properly securing load. (News & Observer [Raleigh], 8/24/05)
	05/10/05	Near Siler City, NC	Truck hauling chickens overturned and caught fire. No information given regarding cause of accident or condition of animals. (CNN Daybreak, 5/11/05)
	04/12/05	Ramp connecting I-95 & I-40 near Benson, NC	Crash involving tractor-trailer killed 4 of 87 sows being transported by driver for Allen Flynn Livestock. Investigators speculated speed was too high for curve on highway connecting ramp. (News & Observer [Raleigh], 4/13/05)
	07/08/04	Ramp connecting I-95 & US-64 near Rocky Mount, NC	Tractor-trailer hauling pigs overturned when driver failed to negotiate curve in highway ramp. About 2 dozen pigs aboard truck owned by H&T Trucking Co were killed in crash. (Rocky Mount Telegram, 7/9/04)

	05/21/04	Buffalo Shoals Rd in northeast Lincoln County, NC	About 4,800 chickens were thrown onto the road when tractor-trailer transporting them overturned while on its way to Case Farms slaughterhouse in Morganton. About 1,800 birds killed in the accident. Surviving chickens were caught by Dept of Transportation and Dept of Corrections officials, volunteer firefighters and workers from Case Farms. Driver charged with excessive speed. (Charlotte Observer, 9/22/04)
	02/27/04	4 th & East Bladen Sts in Bladenboro, NC	Driver of tractor-trailer hauling hogs lost control of rig and overturned after making a tight turn that caused animals to shift in the trailer. Several hogs, which were on way to Smithfield Packing in Tar Heel, NC, were injured. Truck owned by Dail Brothers Trucking Co, a contractor for Smithfield subsidiary Murphy-Brown Farms. Town employees, firefighters and police officers, NC Highway Patrol Motor Carrier officers and workers from Brown worked to corral animals. (Bladen Journal, 3/2/04).
	01/13/04	NC-71 in Lumberton, Robeson County, NC	Mountaire Farms of NC poultry truck slammed into back of a stopped school bus, killing 6-yr-old girl and injuring 9 children and 3 adults. Driver of truck said he was reaching for his dropped cell phone when crash occurred. Family of 6-yr-old sued poultry company for failing to investigate background of driver who had numerous prior traffic violations. (Associated Press, 5/4/04)
	12/10/01	I-40/440 at Rock Quarry Rd outside Raleigh, NC	Hundreds of turkeys killed when truck carrying 800 birds from Prestage Farms to slaughterhouse in Virginia ran off road. Accident caused when driver of tractor-trailer swerved to avoid another vehicle. (News & Observer [Raleigh], 12/11/01)
	09/09/01	I-85 & Rock Creek Dairy Rd near Greensboro, NC	Truck carrying 150 hogs overturned onto passenger vehicle, killing the driver. Rain and standing water on interstate may have been a factor in crash. "Many of the hogs were dead from suffocation and injury." Number of animals killed or injured not given. Door of truck cut open by rescue crews to free animals. (Greensboro News & Record, 9/10/01)
State	Date	Location	Description of Accident
	01/27/00	NC-87 north of Tar Heel, NC	Dozens of hogs from Murphy Farms injured when tractor-trailer hauling them to Smithfield Packing slaughter plant collided with a moving train. Sun may have caused driver of truck, owned by Allen House Trucking Inc, not to see warning lights at railroad crossing. (Fayetteville Observer, 1/28/00)
ND	10/11/04	ND-12, 2 mi east of Scranton, ND	Pickup truck hauling cattle overturned when 2 bulls began moving in trailer, causing driver to lose control. Driver killed in accident; no details provided on condition of animals. (Grand Forks Herald, 10/13/04)
OH	11/02/05	I-74 near I-275 split in Cincinnati, OH	About 40 cows and bulls were being hauled in two-tiered trailer when it overturned. At least 4 cows killed in the crash, and several escaped the damaged trailer. SPCA animal control officers on the scene to help sheriff's deputies. (Cincinnati Post, 11/2/05)
	04/14/05	OH-53, 4 mi southeast of Port Clinton, OH	2 tractor-trailer rigs collided, injuring both drivers. One of the trucks, which was transporting 190 pigs, swerved to miss stopped school bus and went into lane of oncoming traffic, hitting other semi head-on. (News Herald [Port Clinton], 4/15/05)

	05/19/04	On-ramp from OH-37 to OH-16 in Granville, OH	Cattle tractor-trailer failed to negotiate curve on on-ramp of highway and flipped on its side, killing several of the 40 cows onboard. "Trapped cattle could be heard mooing inside the trailer as people rushed to the scene to help round up the few cows that got loose." (Advocate [Newark], 5/20/04)
	04/01/04	County Rd 28 south of US-33 near Bellefontaine, OH	Driver of tractor-trailer carrying hogs to slaughterhouse in Indiana lost control of rig, crossing centerline and flipping truck on its side. 16 hogs killed in crash; local farmers took survivors to nearby stockyard. Driver cited for failure to maintain control. (Akron Beacon Journal, 4/2/04)
OK	12/13/05	I-244 near Tulsa, OK	15 cattle killed when tractor-trailer overturned. According to law enforcement, driver lost control while attempting to buckle seatbelt. Crash caused 3-car collision with 2 people transported to the hospital with serious injuries. (6 KOTV-OK, 12/13/05)
	10/17/05	I-35 in Norman, OK	Tractor-trailer rig carrying hogs overturned on interstate. No details given regarding the cause of the single-vehicle accident or condition of animals following the crash. (Daily Oklahoman [Oklahoma City], 10/18/05)
	12/22/04	I-44 bridge in Lawton, OK	Unspecified number of goats being transported in tractor-trailer were trapped inside and died when truck overturned. Some animals escaped, including a couple who jumped off bridge and survived. Accident occurred during severe winter storm. (Associated Press, 12/23/04)
	11/08/04	I-35 near Davis, OK	Trailer carrying 100 steers split from its truck cab, dumping about 50 of the animals on the highway. More than 20 steers killed in accident and a few others euthanized due to injuries. (Daily Oklahoman [Oklahoma City], 11/9/04)
	09/18/03	I-80 near Oklahoma City, OK	More than 800 pigs were thrown onto interstate when tractor-trailer transporting them overturned. Accident occurred when driver crashed truck into highway's retaining wall and flipped into oncoming lane of traffic. No details given on condition of animals following accident. (Daily Oklahoman [Oklahoma City], 9/19/03)
	12/17/02	I-40 at Ft Smith junction in Oklahoma City, OK	Tractor-trailer hauling cattle flipped over, killing some animals and allowing others to escape. This was third instance of cattle truck overturning along newly opened stretch of interstate in downtown Oklahoma City. Sharp curve in road looked at as possible cause. (Daily Oklahoman [Oklahoma City], 12/18/02)
State	Date	Location	Description of Accident
	10/12/02	I-40 at Ft Smith junction in Oklahoma City, OK	Tractor-trailer rig hauling calves overturned at curve in interstate. More than 100 calves escaped from wreck; about 40 remained on the loose 36 hrs after accident. Local ranch hands called to secure animals. (Daily Oklahoman [Oklahoma City], 10/13/02; 10/14/02; 10/15/02)
	08/17/02	I-40 at Ft Smith junction in Oklahoma City, OK	25 of 94 steers being transported in tractor-trailer rig killed when truck overturned in downtown Oklahoma City. (Daily Oklahoman [Oklahoma City], 8/18/02)
	10/19/01	OK-30, 5 mi north of Hollis, OK	Driver of car killed when she ran stop sign and was hit by pickup pulling trailer with 9 cattle inside. (Daily Oklahoman [Oklahoma City], 10/20/01)
	03/23/01	I-40 in Washita County, OK	Truck pulling trailer loaded with cattle overturned when driver fell asleep. No details on condition of animals. (Daily Oklahoman [Oklahoma City], 3/24/01)

OR	05/23/05	Highway 34 on-ramp in Corwallis, OR	Unspecified number of sheep tumbled out of back of trailer as driver accelerated onto highway on-ramp. Half dozen animals ran across 4 lanes of traffic to take refuge in natural foods co-op. Driver left scene, unaware of accident. (Corwallis Gazette Times, 5/24/05)
	03/20/05	I-84, 13 mi south of La Grande, OR	High winds cited as reason for tractor-trailer hauling cattle to overturn on mountain pass. Crash killed 20 of 90 steers aboard truck. (The Oregonian [Portland], 3/22/05)
	11/07/04	OR-213 in Oregon City, OR	Tractor-trailer hauling 6,000 chickens crashed into 2 cars after driver ran a red light. Driver and passenger of one of the cars taken to medical center. About 400 chickens were killed in crash; hundreds more released from their transport crates onto highway. (The Oregonian [Portland], 11/8/04)
PA	02/03/06	Route 283 in Rapho Township near Lancaster, PA	Pickup truck crossed grass median and struck another pickup pulling trailer with 6 cows. Firefighters corralled cattle, who were uninjured. (Intelligencer Journal [Lancaster], 2/4/06)
	08/30/05	PA Turnpike at King of Prussia Barracks near Philadelphia, PA	Trailer loaded with sheep was rear-ended by tractor-trailer, the impact causing upper tier of livestock trailer to collapse onto lower. About 50 sheep killed. (Philadelphia Inquirer, 8/31/05)
	10/20/04	I-86 off-ramp to I-90 near Erie, PA	Overtaken tractor-trailer, owned by Caruso Cattle Co, freed 70-80 cattle along roadway. Accident occurred when driver swerved off sharply angled highway ramp. About 40 calves died or were killed because of injuries from the crash. Firefighters from nearby communities and local farmers assisted in rounding up animals. (Erie Times-News, 10/21/04; 10/22/04)
	09/21/04	I-80 in Dennison Township, PA	About 30 of 75 veal calves killed when tractor-trailer in which they were being transported ran off highway and flipped on its side. Driver cited with careless driving and accidents involving overturned vehicles. (Times Leader [Wilkes-Barre], 9/25/04)
	06/27/04	Exit ramp of I-80 in Kidder Township, PA	22 pigs crushed to death when tractor-trailer overturned on curve of interstate exit ramp. Killed pigs were among 185 being transported to slaughter. Trucking company wanted to right trailer with pigs inside, but police fearing more animals would be killed made company wait until another truck arrived to transport surviving animals. (Morning Call [Allentown], 6/29/04)
	03/01/04	I-78 & I-81 connector ramp in Union Township, PA	Load of 5,000 chickens spilled on interstate when tractor-trailer went off side of road and overturned. Many of the plastic crates chickens were being hauled in broke apart, freeing the birds. Truck owned by MB Consultants. (Daily News [Lebanon], 3/1/04)
	06/16/03	PA-283 in Manheim Township, PA	Tractor-trailer carrying 140 hogs rear-ended by pickup truck. None escaped or was injured in accident. (Lancaster New Era, 6/18/03)
State	Date	Location	Description of Accident
	10/01/02	Frogtown Rd in Providence Township, PA	Pickup truck hauling trailer with cattle nearly tipped over. Firefighters and ambulance crews helped remove cattle from trailer; no animals injured. (Lancaster New Era, 10/1/02)

	08/27/02	PA Turnpike in Whitpain Township, PA	Driver of tractor-trailer hauling hogs drove truck into ditch, causing it roll onto its side. 36 of 195 hogs on truck were killed in crash, and 3 more were euthanized by vet with Montgomery County SPCA. Driver was pulling over to rest when he slipped into ditch. Careless driving charges were being considered. (Morning Call [Allentown], 8/28/02)
	01/25/02	I-90 in Girard Township, PA	3 female bison died as the result of a broken trailer latch letting animals loose on interstate. 2 of the animals were shot, and 1 was hit and killed by passing truck. (Erie Times-News, 1/26/02)
	12/20/01	I-70 & I-79 near Washington, PA	Truck carrying 90 sheep, goats and pigs overturned when driver fell asleep. 2 dozen animals corralled by emergency crews and passers-by. 1 animal killed when struck by vehicle. (Observer-Reporter [Washington], 12/22/01)
	11/19/01	I-83 ramp to PA-283 in Swatara Township, PA	Several thousand chickens killed or injured when semi lost its load of crated birds. Driver indicated he was changing lanes on ramp when load shifted. Dead and injured birds lined the road. "Terrified survivors trapped in cages along with dozens of dead birds emitted plaintive peeps and struggled feebly to free themselves." (Patriot-News [Harrisburg], 11/20/01)
	09/06/01	PA-22 in S Whitehall Township, PA	Tractor-trailer ran over pig that had fallen off another truck. Accident ruptured semi's fuel tank. (Morning Call [Allentown], 9/7/01)
	07/22/00	PA Turnpike near New Stanton, PA	Cattle truck overturned, spilling animals on highway. 28 cattle killed in accident. Driver lost control while trying to negotiate curve, causing vehicle to hit a concrete barrier and flip onto its side. (Pittsburgh Post-Gazette, 1/23/00)
SC	05/02/05	I-85 near Anderson, SC	More than 2,000 chickens being transported to Fieldale Farms of Baldwin, GA, were killed when the truck they were riding in collided with another truck. Workers from Fieldale helped handle the dead and surviving birds. Both drivers were hospitalized with injuries. (Anderson Independent, 5/3/05)
	03/07/05	I-26 near Broad River Rd in Columbia, SC	Almost 1,000 of 3,900 chickens were killed when truck they were riding in flipped onto its side after driver attempted to pass another vehicle and ran off the road. Chickens in route to Columbia Farms. (Columbia State, 3/8/05)
	10/14/03	SC-34 at Newberry-Greenwood County line, SC	Driver of tractor-trailer lost control when he leaned down to pick up cigarette. When truck swerved, trailer broke apart. Of the 183 pigs in trailer, at least a dozen were killed and several injured. (Columbia State, 10/15/03)
	09/22/01	I-26 near Westview - Fairforest, SC	About 40 of 78 cattle died when truck flipped on its side. Accident occurred when driver swerved to miss deer on highway, causing weight of animals to shift. Firefighters cut trailer's compartments to free surviving cattle. (Herald-Journal [Spartanburg], 9/23/01)
	03/01/01	Highway 105 near Spartanburg, SC	Tractor-trailer hauling 130 cattle flipped over in accident caused by pickup truck. Unspecified number of animals died in the crash. (Herald Journal [Spartanburg], 3/2/01)

SD	01/20/06	US-83, 1 mi south of Akaska, SD	Tractor-trailer rig hauling cattle overturned after driver came upon construction zone at too high a rate a speed. Shifting of cattle in trailer also cited as factor in the rollover. 12 cattle put to death due to injuries. (Aberdeen American News, 1/22/06)
	04/21/04	SD-10, 11 mi west of Leola, SD	Cow survived crash between trailer in which she was riding and a pickup towing another trailer. Accident occurred when pickup drifted into oncoming lane of traffic. (Aberdeen American News, 4/22/04)
State	Date	Location	Description of Accident
	06/12/03	I-29 at 41 st St overpass in Sioux Falls, SD	205 hogs stuck in traffic when driver of semi-trailer hauling animals suffered a possible seizure. Emergency crews used fire hose to cool the hogs. (Argus Leader [Sioux Falls], 6/13/03)
	11/29/02	US-12 near Mobridge, SD	Strong winds thought to be a factor in the overturning of tractor-trailer loaded with cattle. No details on whether any animals injured or killed. (Aberdeen American News, 11/30/02)
	01/19/00	US-12, 1½ mi east of Webster, SD	Near whiteout snow conditions contributed to accident between car and semi-trailer hauling cattle. Animals remained inside trailer after wreck. (Aberdeen American News, 1/20/00)
TN	08/25/04	I-55/20 split in Jackson, TN	Tractor-trailer carrying 50 cattle overturned. 9 cows found dead in ravine where truck landed and 10 more dead inside trailer. Police and fire officials and citizens on horseback worked to remove and capture dead and surviving animals. (Memphis Commercial Appeal, 8/26/04)
	02/19/03	I-40 between Strawberry Plains Pike & Holston River Bridge in Knoxville, TN	9 calves were riding in trailer being pulled by pickup truck when pickup was rear-ended by tractor-trailer rig. Driver of semi cited for following too closely. 3 calves died in crash and vets euthanized 2 more at the scene. Remaining 4 calves taken to University of TN vet school for treatment. (Knoxville News-Sentinel, 2/20/03)
	01/02/01	West Lamar Alexander Parkway near Friendsville, TN	14 cattle escaped from overturned trailer following incident in which trailer came loose at hitch attaching it to truck. Volunteer firefighters rounded up animals. (Daily Times [Maryville], 1/4/01)
	08/02/00	I-40 near Rutledge Pike in East Knoxville, TN	Truck carrying 28 dairy cows to PA slaughterhouse rear-ended oil truck. 6 cows killed and several others injured when upper tier collapsed, crushing animals below. Surviving cows taken to livestock pen at local park where they were cared for by staff from Humane Society of TN Valley, U of TN College of Veterinary Medicine and Knoxville Zoo. Trucking company's insurer signed over 1 injured cow to humane society for treatment and adoption. (Knoxville News-Sentinel, 8/3/00)
	02/21/00	Morrow Rd in Columbia, TN	12 cows and bulls were killed when cattle rig they were riding in ran off the road. Cattle headed to slaughterhouse in GA when accident occurred. (The Tennessean [Nashville], 2/22/00)
TX	09/16/05	US-180 in Albany, TX	No animals injured when a tractor-trailer hauling cattle left the highway and crashed into a restaurant and church. Driver fell asleep at the wheel and ran off the road while rounding a curve. (Abilene Reporter-News, 9/17/05)
	08/04/05	US-60, 5 mi east of Hereford, TX	Elderly woman killed when she was involved in chain-reaction crash after driver of a tractor-trailer loaded with cattle fell asleep and overturned. 2 other vehicles crashed when they hit or swerved to miss cattle freed from the damaged trailer. (Amarillo Globe-News, 8/6/05)

	06/02/05	US-90 near Kingsbury, TX	About 8,000 chickens scattered along highway when a Tyson Foods tractor-trailer rear-ended a pickup truck and overturned. Truck driver said he skidded into rear of car after the vehicle put on turn signal but did not turn. Unspecified number of birds killed or injured. (Seguin Gazette-Enterprise, 6/3/05)
	04/18/05	TX-168 near Umbarger, TX	Truck driver hauling cattle lost control when he took a corner too fast, overturning trailer. Law enforcement officials shot and killed 15 to 20 injured cattle. (Amarillo Globe-News, 4/19/05)
	03/04/04	US-87 in Wall, TX	Strong winds blamed for tipping over tractor-trailer carrying 30 sheep. 2 of the animals killed. (Associated Press, 3/5/04)
	11/30/03	I-27 between Hillside Rd & Bell St in Amarillo, TX	40 cattle were spilled onto interstate after truck carrying them overturned. 2 cows died in crash and about a half-dozen others were shot and killed because police couldn't restrain them. 15 cattle ran loose, causing 2 minor car accidents. (Amarillo Globe News, 12/7/03)
State	Date	Location	Description of Accident
	06/27/03	Coryell County, TX	A man and 5 cattle killed when a pickup truck struck a tractor-trailer hauling cattle. (Waco Tribune-Herald, 6/29/03)
	05/22/03	I-27 near Abernathy, TX	About 30 of 104 cattle aboard a tractor-trailer rig were killed when driver took curve too fast and tipped over. (Houston Chronicle, 5/25/03)
	04/15/03	US-281 in San Antonio, TX	Tractor-trailer rig carrying 123 cows overturned, releasing animals near downtown San Antonio. Accident occurred as driver attempted to round a curve in highway. (San Antonio Express-News, 4/16/03)
	01/17/03	I-35W near Golden Triangle Blvd in Fort Worth, TX	2 of 3 sheep being transported to Fort Worth Stock Show were killed when trailer they were riding in was hit by 18-wheeler. Sheep were from Crown K Ranch. (Fort Worth Star-Telegram), 1/18/03)

	08/25/01	I-30 at exit ramp for Loop 820 in east Fort Worth, TX	Tractor-trailer rig hauling 100 cattle overturned at highway exit ramp, killing 31 animals. Fire personnel and sheriff's posse moved cattle to another trailer. (Fort Worth Star-Telegram, 8/26/01)
	08/07/01	I-35W near Briar Oaks, TX	Tractor-trailer carrying 35 cattle from Thigden Cattle Co to feedlot in Panhandle tipped over on interstate, killing 8 animals. Surviving cattle escaped the wreck, and 7 still missing hours later. Accident occurred when driver strayed onto shoulder and overturned in ditch. (Fort Worth Star-Telegram, 8/8/01)
	03/17/00	US-180 in Albany, TX	9-yr-old girl seriously injured and 6 cattle killed when a cattle tractor-trailer ran off road, overturned and slammed into doorway of a restaurant where girl was standing. Accident caused by driver taking curve in highway too fast. Some of the 100 cows on truck exited through hole in trailer and ran into restaurant. (Fort Worth Star-Telegram, 3/19/00)
	01/14/00	I-35 near Austin, TX	Tractor-trailer hauling cattle plowed through a barrier and hit highway work crew when driver of truck failed to merge with traffic at construction site. 4 construction and Dept of Transportation workers injured. (Austin American-Statesman, 1/15/00)
UT	07/16/04	I-15 near Browse, UT	Trailer involved in a prior accident was sitting in middle of lanes of travel when it was scraped along entire side by a passing tractor-trailer rig hauling pigs. (Spectrum [St George], 7/17/04)
	06/22/04	US-89 in Logan Canyon, UT	Tractor-trailer transporting cattle overturned while going around curve. About a dozen cows killed and law enforcement officials killed 3 more animals due to severe injuries. (Herald Journal [Logan], 6/24/04)
	10/15/03	I-80 near Wanship, Summit County, UT	Semi-trailer hauling 87 pigs to a slaughterhouse in Iowa overturned, causing trailer to split apart and the rear door to open. About 37 pigs either died on impact or were euthanized due to injuries. Local farmers asked to help gather freed survivors. Crash occurred when driver took corner too fast. (Salt Lake Tribune, 10/16/03)
	12/09/02	US-89 in Logan Canyon, UT	Tractor-trailer hauling 400 sheep crashed and flipped over in foggy weather. Driver stated weight shifted when truck hit soft dirt. Unspecified number of sheep were killed or injured in wreck. Fire and rescue crews cut holes in roof of trailer to free animals. (Herald Journal [Logan], 12/10/02)
VA	05/12/06	Pruden Blvd & Old Myrtle Rd in Suffolk, VA	Truck carrying 180 hogs to Smithfield Foods plant overturned and slid into a ditch when the driver attempted to turn from Pruden Blvd to Old Myrtle Rd. Injured animals lay piled on top of one another in the overturned truck for hours before being unloaded. It is not known how many of the animals survived the accident. (Daily Press [Hampton Roads], 5/13/06)
	10/18/05	VA-10 near Smithfield, VA	Truck carrying 200 hogs to Smithfield Foods plant overturned when driver fell asleep. 10-15 hogs killed on impact; injured animals left on side of road for hours before euthanized. Driver charged with reckless driving. (Virginian-Pilot [Norfolk], 10/19/05)
	04/04/05	US-258, 2 mi south of Smithfield, VA	Truck heading to Smithfield Packing slaughter plant overturned into a ditch, spilling 180 hogs. Some animals scrambled into woods or rooted in yards; others lay squealing in wreck. Driver cited for speeding. (Times-Dispatch [Richmond], 4/11/05)

State	Date	Location	Description of Accident
	09/02/04	Whaleyville Blvd near Great Fork Rd in Suffolk, VA	Tractor-trailer hauling load of 200 hogs to Smithfield Foods slaughter plant rolled over after wheels on left side of truck left road and sank in mud. Driver, who was cited with failure to maintain control of his vehicle, said accident occurred when animals shifted their weight in trailer. About 70 hogs died in crash. (Virginian-Pilot [Norfolk], 9/3/04)
	05/12/04	I-85 in VA	Unknown number of hogs injured and as many as 10 killed when tractor-trailer overturned and broke in half. 180 hogs from farm in Keysville, VA, were being transported to Smithfield Packing slaughter plant in Smithfield, VA. Driver, who fell asleep at the wheel, was charged with reckless driving. (Meatingplace.com, 5/13/04)
	03/29/04	VA-10 in Smithfield, VA	Truck heading to Smithfield Packing Co ran off road and flipped over, killing about 25 of the 100 hogs aboard. Workers from Smithfield slaughterhouse used portable captive bolt gun to kill injured animals at the scene. Driver charged with reckless driving. (Virginian-Pilot [Norfolk], 3/30/04)
	05/05/03	US-220 in Botetourt County, VA	Tractor-trailer transporting 83 hogs overturned after driver ran off road and hit a power pole. 25 of the animals were either killed in the wreck or injured and shot by animal control officers. (Roanoke Times, 5/6/03)
	08/23/02	US-220 in Sydnorsville, Franklin County, VA	Load of turkeys overturned on roadway. Unspecified number of birds died. No cause of crash given. (Roanoke Times, 8/23/02)
	04/26/02	VA-10 in Smithfield, VA	Truck in route to Smithfield Packing Co slaughterhouse from Murphy Farms in NC crashed and burned, killing and injuring dozens of hogs. Firefighters turned a hose on animals trapped inside the wreck to cool them. Animal control officers helped round up escaped hogs, and an unspecified number of injured animals shot by police. (Virginian-Pilot [Norfolk], 4/27/02)
	01/02/02	Off-ramp from I-64 to US-250 near Afton, VA	Truck carrying turkeys overturned on interstate off-ramp. Unspecified number of turkeys died. Accident occurred when truck attempted to negotiate turn at exit. (Daily News Leader [Staunton], 1/3/02)
	08/21/01	Rural road in western Suffolk, VA	Unspecified number of 6,600 total chickens being hauled to slaughter plant killed when tractor-trailer transporting them overturned. (Virginian-Pilot [Norfolk], 8/22/01)
	08/14/01	Godwin Blvd north of Chuckatuck, VA	Several hogs among 173 in route to Smithfield Packing Co slaughterhouse were killed when tractor-trailer they were riding in overturned. A few of the surviving hogs were released into nearby field as a result of wreck but were eventually rounded up. (Virginian-Pilot [Norfolk], 8/15/01)
WA	01/24/06	Northwest 31 st Ave, west of La Center, WA	2 trailers loaded with a total of 6,700 chickens flipped onto their sides after truck that was pulling trailers strayed onto shoulder of the road and shoulder collapsed. 400 to 500 of the birds bound for Foster Farms slaughter plant died in crash. (The Columbian [Clark County], 1/25/06)
	06/04/02	US-95 near Mt Hall Junction, WA	62 of 175 pigs being transported on tractor-trailer rig died when truck struck concrete barrier on highway then flipped onto its side. (Spokesman-Review [Spokane], 6/6/02)

WV	07/07/05	I-64 in Putnam County, WV	4 people and 2 cows killed in a 13-vehicle crash that may have occurred when a driving rain caused reduced visibility. (Charleston Gazette, 7/8/05)
	08/04/00	I-77 near Camp Creek, WV	1 person killed when cattle trailer overturned. No details provided on condition of animals. (Charleston Gazette, 8/5/00)
State	Date	Location	Description of Accident
WI	04/05/04	Outagamie County G Rd in Seymour, WI	Car crossed centerline and struck cattle truck head-on, even as truck swerved onto shoulder to avoid crash. 17-yr-old driver of car killed in crash. (Post-Crescent [Appleton], 4/7/04)
	02/04	I-43 near Cedar Grove, WI	Tractor-trailer rig hauling cattle was one of vehicles involved in worst chain-reaction accident in WI history. 2 cars that became airborne during the crash landed inside the cattle trailer. Total of 10 people killed and 38 injured in crash. No details provided regarding status of animals. Police indicated heavy fog was factor in crash. (United Press International, 2/10/02)
	06/26/03	US-12, 2 mi south of Baraboo, WI	Driver of a tractor-trailer hauling horses and bulls to Great Plains Rodeo swerved into oncoming traffic, overturning and sliding into passenger vehicle. Boy riding in car was killed as well as 7 horses and 3 bulls riding in trailer. 11 bulls remained in trailer, while 9 surviving horses escaped and had to be rounded up. Local ranchers speculated crash might have occurred when animals shifted their weight in trailer. (Capital Times [Madison], 6/28/03)
	09/09/02	US-41 in Grand Chute, WI	About 30 cattle scattered along highway after trailer overturned. Law enforcement officials shot and killed an unspecified number of injured cows, and 1 cow was struck by passing car. (St Paul Pioneer Press, 9/10/02)
	11/28/01	US-18 & US-151 in Dodgeville, WI	Loaded livestock trailer hit from behind by passenger vehicle. No cause of crash or status of animals aboard truck given. (Wisconsin State Journal, 11/29/01)
	11/28/01	US-51 & WI-29 near Wausau, WI	Driver of a minivan was killed when his vehicle crashed into a truck that was hauling cattle. Some of animals aboard truck escaped. Authorities said snow and freezing rain contributed to accident. (St Paul Pioneer Press, 11/30/01)
WY	01/13/05	I-80 in WY	2 men killed when their U-Haul truck went off the road and they were crushed by semi-trailer hauling cattle that also ran off road at site of the original accident. (Salt Lake Tribune, 1/20/05)

Appendix B

State Veterinary Good Samaritan Laws

California

A veterinarian who on his or her own initiative, at the request of an owner, or at the request of someone other than the owner, renders emergency treatment to a sick or injured animal at the scene of an accident shall not be liable in damages to the owner of that animal in the absence of gross negligence.

(California Business & Professions Code Section 4826.1)

Florida

Good Samaritan Act; immunity from civil liability

(3) Any person, including those licensed to practice veterinary medicine, who gratuitously and in good faith renders emergency care or treatment to an injured animal at the scene of an emergency on or adjacent to a roadway shall not be held liable for any civil damages as a result of such care or treatment or as a result of any act or failure to act in providing or arranging further medical treatment where the person acts as an ordinary reasonable prudent person would have acted under the same or similar circumstances.

(Florida Statutes Section 768.13)

Georgia

Any person who gratuitously and in good faith administers emergency treatment to a sick or injured animal at the scene of an accident or emergency shall not be in violation of this chapter and shall not be liable to the owner of such animal in any civil action for damages; provided, however, that this Code section shall not provide immunity for acts of gross negligence.

(Georgia Code 43-50-60)

Louisiana

Good Samaritan Law

C. No veterinarian licensed under the provisions of Chapter 18 of this Title, who in good faith gratuitously renders emergency care or services or assistance at the scene of an emergency to an animal or animals in need thereof, shall be liable for any civil damages as a result of any act or omission by such person in rendering the care or services or assistance, or as a result of any act or failure to act to provide or arrange for further veterinary medical treatment or care for the animal involved in the said emergency.

(Louisiana Revised Statutes 37:1731)

Michigan

Veterinarian or veterinary technician; civil liability for acts or omissions; immunity; applicability; notice

(1) A veterinarian or veterinary technician is not liable for civil damages as a result of the acts or omissions described in subsection (2) if both of the following apply:

(a) The animal has been brought to the veterinarian or veterinary technician by a person other than the owner of the animal.

(b) The veterinarian or veterinary technician does not know who owns the animal or is unable to contact the owner of the animal before a decision must be made with respect to emergency treatment or euthanasia.

(2) The immunity granted by this section applies to both of the following:

(a) An injury to an animal or death of an animal that results from acts or omissions by the veterinarian or veterinary technician in providing treatment to the animal.

(b) The euthanasia of a seriously injured or seriously ill animal.

(3) This section does not apply to an act or omission by a veterinarian or veterinary technician amounting to gross negligence or willful and wanton misconduct in providing treatment to an animal.

(4) A veterinarian or veterinary technician shall notify the animal control authority in the county in which the animal is found of the disposition of the treatment rendered to the animal before the end of the first business day following the day treatment is rendered.

(Michigan Compiled Laws 333.18826)

Pennsylvania

Veterinary good Samaritan civil immunity

(a) General rule. – Any individual licensed to practice veterinary medicine who, in good faith, renders emergency care to any animal which such individual has discovered at the scene of an accident or emergency situation or which has immediately prior to the rendering of such care been brought to such individual's attention at or from the scene of any accident or emergency situation shall not be liable for any civil damages as a result of any acts or omissions by such person in rendering the emergency care, except any acts or omissions intentionally designed to harm, or any grossly negligent acts or omissions which result in harm to the animal.

(b) Definition. – As used in this section, “good faith” shall include, but is not limited to, a reasonable opinion that the immediacy of the situation is such that the rendering of care should not be postponed until the animal is hospitalized.

(c) Exception. – This section shall not apply where the owner of the animal is in attendance and can be consulted as to the proposed action by the veterinarian.

(42 Pa. Code Section 8331.1)

South Carolina

Immunity from civil and criminal liability

Any person, including a person licensed to practice veterinary medicine, or an animal control officer or agent of the South Carolina Society for the Prevention of Cruelty to Animals or any society incorporated for that purpose, who in good faith and without compensation for services provided, acting without malice, recklessness, or gross negligence, renders emergency care or treatment to a domestic animal which is abandoned, ill, injured, or in distress related to an accident or disaster shall not be liable or subject to any civil or criminal liability for any injuries or harm to such animal resulting from the rendering of such care or treatment, or any act or failure to act to provide or arrange for further medical treatment or care for such animal.
(South Carolina Statutes Section 47-1-75)

Texas

Liability of veterinarian for emergency treatment; euthanasia presumption

(a) A veterinarian who provides emergency treatment to an ill or injured animal on the veterinarian's own initiative, or at the request of a person other than the animal's owner, is not liable to the owner for damages to the animal unless the veterinarian commits gross negligence.

(b) If the veterinarian performs euthanasia on the animal, the veterinarian is presumed to have performed a humane act necessary to relieve the animal's pain and suffering.

(Texas Occupations Code 801.358)

Vermont

Immunity from liability for good Samaritan acts

(a) For purposes of this section, an "emergency" shall include a fire, flood, storm or other natural disaster, hazardous chemical or substance incident, vehicular collision with an animal, or other transportation accident where an animal is injured or in need of assistance to protect his health or life.

(b) A veterinarian licensed by the board or any other person who, in good faith, provides care and treatment to an animal during an emergency shall not be held liable for civil damages by the owner of the animal, unless his or her acts constitute gross negligence or unless he or she will receive or expects to receive remuneration.

(c) Nothing contained in this section shall alter existing law with respect to tort liability of a practitioner of veterinary medicine for acts committed in the ordinary course of his or her practice.

(Vermont Statutes Title 26, Section 2405)



FARM SANCTUARY

is the nation's leading farm animal protection organization. Since incorporating in 1986, we have worked to expose and stop cruel practices of the "food animal" industry through research and investigations, legal and legislative actions, public awareness projects, youth education, and direct rescue and refuge efforts. Our shelters in Watkins Glen, NY and Orland, CA provide lifelong care for hundreds of rescued animals, who have become ambassadors for farm animals everywhere by educating visitors about the realities of factory farming. For information on what YOU can do to help, please contact us.

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