

US EPA ARCHIVE DOCUMENT

**Disposal of Domestic Birds Infected by  
Avian Influenza –  
An Overview of Considerations and Options**

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# **Disposal of Domestic Birds Infected by Avian Influenza – An Overview of Considerations and Options**

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## 1. PURPOSE

This document provides information to State and local decision makers addressing disposal problems associated with domesticated bird carcasses (and associated fecal material) infected by the avian influenza virus H5N1. It provides a description of successful disposal management options for infected carcasses and identifies critical considerations for decision makers. This document draws from a variety of available resources and complements existing guidance from the U.S. Department of Agriculture (USDA). The information contained in this document may be used by State and local governments to conduct advanced planning (e.g., special permit conditions, emergency orders, pre-screening of sites) in coordination with the Federal government and the private sector. The use of any management option in response to an avian influenza outbreak must be in compliance with all State/local requirements (e.g., air, solid waste and public health requirements.) This document is not intended to provide detailed guidance on how to implement specific disposal options but rather it identifies successful approaches taken in the past. And it provides references to specific guidance on the different management and disposal options.

This document focuses on domesticated birds. The Department of the Interior (DOI) is the lead Agency in response to an outbreak of the avian influenza virus H5N1 in wild birds. The USGS National Wildlife Health Center, under DOI, has several sites where more information can be obtained:

[http://www.nwhc.usgs.gov/publications/wildlife\\_health\\_bulletins/WHB\\_05\\_03.jsp](http://www.nwhc.usgs.gov/publications/wildlife_health_bulletins/WHB_05_03.jsp), and  
[http://www.nwhc.usgs.gov/publications/field\\_manual/chapter\\_4.pdf](http://www.nwhc.usgs.gov/publications/field_manual/chapter_4.pdf).

## 2. BACKGROUND

In domestic poultry, avian influenza viruses cause two main forms of disease, distinguished by low and high extremes of pathogenicity, as well as many different subtypes (i.e., H5N2, H7, etc). The low-pathogenic (LPAI) form causes relatively mild symptoms (ruffled feathers, drop in egg production), with no serious human health concerns identified. The highly pathogenic (HPAI) form is a much more serious threat to bird health. Occurrence of HPAI in the U.S. has been very infrequent, quickly contained and normally affects only birds. The Asian High Pathogenic Avian Influenza form, which is a subtype of HPAI, also known as H5N1, has been found in Asia, Europe, and Africa, but not in the U.S. to date. It spreads very rapidly through poultry flocks causing mortality rates of domesticated birds that can approach 100% within 48 hours (see Resource: WHO, 2006.) As of December 2005, over 150 million domesticated birds have been killed by the virus or culled to prevent further spread (see Resource: World Health Organization (WHO), 2005.) There have been some cases in Asia and Eastern Europe of HPAI H5N1 spreading to humans through sustained close contact with live birds. The U.S. Department of Agriculture (USDA) has indicated that this virus has the potential to generate large numbers of animal carcasses from the response to an avian influenza outbreak.

### 2.1 Key Occurrences of HPAI in Domestic Avian Populations

To date, all occurrences of HPAI in U.S. domestic poultry have been caused by H5 or H7 Influenza A subtypes, but not H5N1. Until 1999, HPAI was considered relatively rare, with only 17 outbreaks reported worldwide between 1959 and 1998; however, since 1999 the number of occurrences globally has increased significantly (see Resource: WHO, Avian Influenza Timeline, 2006.) USDA and others have dealt effectively with the management of animal carcasses during HPAI outbreaks (highlighted below).

Occurrences of HPAI in the U.S.				
Year	Type	State	Impact	Comments
1924	H7	East Coast	Occurred on the East Coast	Outbreak was contained and eradicated.
1983-1984	H5N2	PA, VA	Caused severe clinical disease & high mortality rates in chickens, turkeys, & guinea fowl. 17 million birds were culled.	A serologically identical but apparently mild virus had been circulating in poultry in the area for 6 months. No human cases identified.

2004	H5N2	TX	About 7,000 Chicken Broilers were culled.	Quickly eradicated due to close coordination b/n USDA, State, Local & Industry. Response included quarantine and culling of birds. Outbreak limited to one flock. No human cases identified.
*Additional outbreaks of HPAI have been identified in a variety of countries.				

These occurrences show how to successfully respond to an avian influenza outbreak in a manner that is protective of human health and the environment. This guide integrates the lessons learned from these previous avian influenza outbreaks by USDA and states as they responded to these occurrences.

### 3. ROLES DURING DISPOSAL ACTIONS

The National Response Plan (NRP), [http://www.dhs.gov/dhspublic/interapp/editorial/editorial\\_0566.xml](http://www.dhs.gov/dhspublic/interapp/editorial/editorial_0566.xml), identifies USDA as the lead federal agency in responding to a large-scale animal carcass disposal incident. USDA authority to act swiftly to protect U.S. animal health from a foreign pest or disease is identified in the Animal Health Protection Act (AHPA) of 2002. The AHPA gives USDA authority to carry out operations and measures to detect, control, or eradicate any pest or disease of livestock, including poultry. Other departments and agencies of the Executive branch provide supporting roles under this plan. EPA's principal support role includes providing technical assistance, subject matter expertise, and support for decontamination (including licensing use of disinfectant pesticides) and disposal issues, including interpretation of EPA's disposal requirements. Recently, EPA, USDA, HHS, DoD, and DHS issued an interagency document, "Federal Food and Agriculture Decontamination and Disposal Roles and Responsibilities," November 2005, <http://www.epa.gov/homelandsecurity/pdfs/conops11222005.pdf>, which outlines the Federal government roles, responsibilities and capabilities for decontamination and disposal of diseased animals. Appendix A presents contact information for those agencies involved in the NRP. Appendix B presents how an AI outbreak scenario would unfold according to the interagency plans developed for an AI outbreak and in accordance with the NRP.

It is important to realize that each AI outbreak incident is unique and involves site specific conditions that need to be considered in making the best disposal decision for the situation at the site. The decision making for disposal occurs at the State and local levels, with technical and resource support in place from federal agencies, should the situation require it or should the State and/or local government request it.

### 4. CRITICAL FACTORS (Transportation, Expedience, & Virus Inactivation)

There are three critical factors that influence the potential management options for disposal of domestic birds associated with an avian influenza outbreak:

1. Contain the virus by limiting transportation of infected birds;
2. Respond expeditiously to reduce the potential for genetic mutations and the transmission of pathogens to humans and other species (USDA's goal is for euthanized carcasses to be disposed of within 24 hours.) USDA describes common methods of disposal to include composting, burial, incineration, landfilling, rendering, and alkaline hydrolysis. (The 24 hr. period should not limit proper packaging, transportation or disposal. Also, it should not preclude composting which can be a very successful option.) See Reference, USDA National Animal Health Emergency Management System Guidelines for Disposal, April 2005, pg 5); and
3. Select carcass treatment/disposal option(s) that ensure containment and inactivation of the virus and protection of the environment given the site-specific conditions.

To minimize the spread of the virus by transportation, USDA prefers on-site management, which limits the options to activities that can be carried out at a poultry farm (USDA Interim Avian Influenza (AI) Response

Plan, January 2006.) On-site management (e.g., on-site composting) minimizes biosecurity concerns involved in moving contaminated carcasses, animal products, and other materials off an affected premises. On-site composting has been shown to be a successfully used practice based on its effectiveness by inactivating the virus in recent AI outbreaks. However, USDA recognizes that not all types of poultry operations (e.g., live bird markets) lend themselves to on-site management, and therefore, secure transport to an off-site treatment/disposal facility may also be a viable option. The need for expeditious response further limits the selection of options to those that are readily available. As for the ability of the virus to survive, in general, HPAI viruses are not particularly hardy under certain circumstances, and thus basic options can be effective and protective.

In the selection of treatment/disposal options, survivability of the virus is a key consideration. Short-term exposure to heat, extremes of pH, and dryness can inactivate avian influenza. However, survivability is lengthened when viruses are protected in organic matter, such as feces or maintained in colder temperatures. Several sources have identified that the avian influenza virus, H5N1, has a limited time of survival without a live host of less than or equal to 1-7 days at temperatures around 70°F. Survival time may be over 30 days in water at 32°F, and indefinite in frozen conditions or shortened to ½ to 3 hours at elevated temperatures (132-140°F). Studies on the survivability of various forms of the avian influenza virus include:

- Studies of domestic ducks have shown that H5N1 can survive in the environment for 6 days at 98°F. (See References: WHO; Lab study of H5N1 viruses in domestic ducks, Oct 2004.)
- HPAI can persist in feces for 30-35 days at 39°F, and about 7 days at 68°F. (See References: Swayne, DE and Halvorson, DA. Avian Influenza, Diseases of Poultry, pg 135-160, 2003.)
- HPAI virus remains viable at moderate temperatures for long periods in the environment and can survive indefinitely in frozen material. It can survive for 4 days in water at 71°F and for over 30 days at 32°F. (See Reference: <http://www.poultry-health.com/fora/fowlplag.htm>, Poultry Health Services website.)
- Lu et al. (2003) reported that Avian Influenza Virus (AIV) can be inactivated in 10 minutes at 140°F or 90 minutes at 133°F. (See Reference: Lu H., Castro A.E., Pennick K., Liu J., Yang Q., Dunn P., Weinstock D. and D. Henzler. 2003. Survival of Avian Influenza virus H7N2 in SPF Chickens and Their Environments. Avian Diseases 47:1015-1021.)

See Appendix C for additional discussion on the environmental persistence of the avian influenza virus.

## 5. CARCASS MANAGEMENT OPTIONS

The management options presented below are organized with on-site treatment/disposal options presented first followed by off-site landfills and then other potential management options. The order of the treatment/disposal options is not meant to reflect that certain options are better than others. All the options presented can be designed and conducted in an environmentally protective manner, depending on the specific site conditions, which need to be considered.

USDA has several extensive documents that discuss the various management options and the critical factors that need to be considered by States in the decision making process during an avian influenza occurrence. One example of such is a report prepared for the USDA Animal and Plant Health Inspection Service (APHIS) by the National Agricultural Biosecurity Center (NABC). This 2004 report, "Carcass Disposal: A Comprehensive Review" is available at:

<http://fss.k-state.edu/research/books/carcassdispfiles/Carcass%20Disposal.html>

The overall approach outlined by USDA for an avian influenza outbreak is a three-pronged strategy of depopulation (also known as culling), followed by proper quarantining and disposal of animal carcasses, and disinfection of farms and equipment used in the response. The overall goal of disposal operations, which is the subject of this document, is to eliminate, in a timely, biosecure, aesthetically acceptable, and environmentally responsible manner, all animal carcasses that result from the response to an avian influenza outbreak. Common methods used to manage infected animal carcasses and associated materials include composting, burial, incineration, rendering, and isolation. (See References, USDA National Animal Health Emergency Management System Guidelines for Disposal, April 2005; USDA Interim Avian Influenza Response Plan, January 2006.) As with any of the management options, there are some considerations, such as down time of the poultry house, lack of available equipment, timing, and end use of the material that need to be factored into the decision making process when selecting a management option. With some of the management options, e.g., on-site burial and on-site isolation, the survivability of the avian influenza virus is the critical factor, and as such, decision makers should consult with Federal/State USDA officials to gather the latest information on the survivability of the virus. A brief summary of these waste management options is provided below.

### **5.1 On-Site Composting**

Although not sufficiently rapid to allow disposal of the carcasses within 24 hours, on-site (including in-house) composting will likely be a very widespread practice because its effectiveness has been proven in recent AI outbreaks. On-site composting limits the risk of groundwater and air pollution contamination, the potential for farm-to-farm disease transmission, and transportation costs and tipping fees associated with off-site disposal. Additionally, there is the benefit of producing a potentially useful product, compost. As indicated earlier, HPAI may be inactivated in 3 hours at 132°F or ½ hour at 140°F, well within the temperature range of composting. In the case of the Delmarva Peninsula (Delaware, Maryland and Virginia) outbreak in 2004, composting in-house occurred for 10 days, after which the material, which no longer contained a viable virus, was allowed to continue the composting process over several months elsewhere on-site. (See References, 2005 Guidelines for In-House Composting of Poultry Mortalities Due to Catastrophic Disease.)

Composting is defined as the controlled decomposition of organic materials. Decomposition occurs when organic materials go through a "slow cooking" process as microorganisms metabolize the organics. The combination of the cooking process, rapid degradation, and compost cover minimizes odors, flies, and other vectors. For this option to be effective, composting materials need to be available. These materials usually are accessible on most farms and include poultry litter, wood chips, sawdust, ground corn cobs, baled corn stalks, manure, and rice hulls. In March 2006, Virginia issued recommendations for whole-flock disposal of poultry due to Avian Influenza which identifies on-site in-house composting as the preferred disposal method. (See References: VA DEQ Recommendations For Whole-Flock Disposal of Poultry due to Avian Influenza, March 2006.) For some general resources on composting, see the Maryland Center for Agro-Security and Emergency Management website, Virginia Department of Environmental Quality, or the EPA Composting website at:

<http://www.agnr.umd.edu/MCE/Publications/Publication.cfm?ID=fs-537>

<http://www.deq.virginia.gov/waste/pdf/factsheet1va.pdf>

<http://www.deq.virginia.gov/waste/solid.html>

<http://www.deq.virginia.gov/waste/pdf/deqaidisposal.pdf>

<http://www.epa.gov/epaoswer/non-hw/composting/index.htm>

When the composting process inactivates the virus, but does not continue long enough to produce usable compost, the material can be further composted on-site, sent off-site to a compost facility, landfill or

incinerator, or buried on-site. If compost is produced, consistent with State compost quality standards, it may be beneficially used on- or off-site to enrich soils by providing nutrients and reducing the need for chemical fertilizers. State officials should be consulted when the ultimate fate of the material is determined.

### **5.2 On-Site Burial:**

On-site burial avoids transportation and can be accomplished in a very expeditious manner. Site conditions, however, need to be carefully assessed to ensure there will not be contamination of groundwater or surface waters by either the HPAI H5N1 virus or conventional pollutants, such as total dissolved solids, nitrate, or ammonia from the decaying carcasses. Adequate upfront assessment of on-site burial can prevent expensive remediation costs. If on-site burial will be used, monitoring of ground water and surface water is a consideration that State officials should take into account, as well as the potential need for a notation on the deed. Potential future land use of the property should be considered in deciding whether this management option is appropriate.

When making decisions regarding on-site burial, those responsible should:

- Consult with the USDA-Natural Resources Conservation Service (NRCS) and State solid waste agencies to obtain soil maps and drainage information. In addition, some local NRCS offices maintain a listing of suitability for "Animal Mortality Burial" by soil map unit (See Reference: Carcass Disposal: A Comprehensive Review.)
- Determine a sufficient distance from the proposed burial site to groundwater wells and surface waters such that the HPAI H5N1 virus will no longer be viable by the time groundwater migrates to such locations. A sufficient distance needs to take into account site-specific hydrogeology.
- Consider practices to ensure groundwater is not contaminated by conventional pollutants, such as total dissolved solids and ammonia. Site-specific factors should be considered such as 1) soil type (e.g., karst areas) and 2) depth to groundwater (e.g., seasonally high). USDA recommends animal carcasses not be buried within 10 ft of the groundwater table. (See Reference: USDA National Animal Health Emergency Management System Guidelines for Disposal, April 2005.) Where site-specific conditions are determined not to be protective, the use of a liner system may be considered.
- Evaluate the potential for the carcasses to rise to the surface after burial.
- Consult with the landowner in those cases where producers do not own the land to determine if the landowner will permit on-site burial.

### **5.3 On-Site Air Curtain Incineration:**

In some cases, site conditions may not be amenable to on-site composting or burial of animal carcasses. One solution is to employ air-curtain incinerators to destroy the virus and burn the carcasses. This involves burning with forced air within a site which greatly accelerates the burning process. Air-curtain incinerators can be moved from place-to-place and from site to site. Air-curtain incinerators also require 1) trained operators to properly operate the equipment and 2) a large amount of fuel because the carcasses have a high water content. Advances in this technology include more efficient burners, and the use of misters to reduce the air emission concerns normally associated with open air-curtain technology. With air-curtain incinerators, the loading of the incinerators and the effect of the carcasses on the combustion process needs to be considered, as well as the ultimate disposal of any solid and/or liquid residue. Upfront planning between poultry growers/companies and air-curtain incinerator suppliers is important to ensure such equipment and operators will be available and discussions with local and State officials are necessary to assure compliance with environmental requirements. Incineration destroys the virus so the ash from an air-curtain incinerator can be disposed of on-site or at an off-site landfill. (See Reference: USDA National Animal Health Emergency Management System Guidelines for Disposal, April 2005, pg 14-15.)



#### **5.4 On-Site Isolation:**

In some cases, particularly in warm weather, where the deactivation of the virus is fairly rapid, isolation of carcasses may be a viable option. Considerations for this option should include a covering or the use of bags/containers prior to isolation to improve handling, (i.e., poultry carcasses become difficult to manage after 24 hours) to prevent the spread of the virus, control odors, as well as controls to prevent vectors. This option also can be used in combination with other on-site options to provide additional time to set up composting or air-curtain incinerators or for on-site burial. If the isolation is sufficient to deactivate the virus, the material may be buried on-site or sent off-site to a landfill or incinerator. (See Reference: USDA National Animal Health Emergency Management System Guidelines for Disposal, April 2005, pg 5.)

#### **5.5 Off-Site Landfills:**

Off-site landfills that can be used to manage carcasses include municipal solid waste landfills (MSWLFs), in compliance with the Federal criteria (40 CFR Part 258), and industrial solid waste landfills. (In considering this option, the off-site transport of these carcasses will need to be appropriately considered. See discussion below in Section 7 regarding the off-site transport of birds infected with avian influenza virus.) Municipal landfills are properly sited and have the necessary environmental controls to manage the carcasses. Larger MSWLFs have the capacity to handle a larger number and mass of carcasses. The use of a MSWLF, of course, depends upon the willingness of the facility operator to accept the carcasses. These facilities operate under state permits, which might require modifications to allow management of the carcasses.

#### **5.6 Other Management Options:**

There also may be consideration of other options, such as: off-site incinerators, mobile incinerators, alkaline hydrolysis units, off-site composting, and rendering without prior deactivation of the HPAI H5N1 virus and possibly new and alternative/innovative approaches. Certain situations may require alternative approaches. For example, very cold temperatures may make some options impractical and dictate different approaches (e.g., burn barrels, boiling, or the use of lime to raise the pH) to respond to an HPAI H5N1 outbreak in a very cold climate.

Incinerators, such as mobile and municipal solid waste incinerators, are contained and controlled devices that can burn the carcasses and limit air emissions in a manner that is environmentally protective. An alkaline hydrolysis unit uses sodium hydroxide or potassium hydroxide to increase the rate of hydrolysis of the biological materials into a sterile solution. Heat is also applied to accelerate the process further. The only solid byproducts of the alkaline hydrolysis unit are the mineral constituents of the carcasses. Rendering of animal carcasses involves conversion of the carcasses into three end products – carcass meal, tallow, and water using mechanical and thermal processes. Carcass rendering processes include size reduction followed by cooking and separation of fat, water, and protein. Such options may prove advantageous when site-specific conditions, timing issues, or some other factors make the previous options less advantageous. As a general matter, however, the off-site options require additional care to prevent the potential spread of the virus, can be more expensive, and may run into public acceptance concerns. Off-site options, however, should not be automatically dismissed – for example, off-site incinerators are well designed to manage wastes and are environmentally protective.

### **6. EQUIPMENT CLEANING AND DISINFECTION:**

With both on-site and any off-site carcass disposal options, farm structures, poultry houses, and equipment should be cleaned and disinfected after the carcasses are removed to prevent spread of the virus and to repopulate. In addition, equipment used on-site, such as trucks, should be cleaned and disinfected prior to

leaving the site to prevent any potential transmission of the virus off-site. Worker's clothing also should be disinfected for the same reason. The USDA's guidance (see References: USDA National Animal Health Emergency Management System Guidelines for Cleaning and Disinfection, November 2005, USDA Interim Avian Influenza Response Plan, Jan 2006) on appropriate disinfectant procedures should be consulted for further information. EPA provides technical support to USDA and others on the use of appropriate disinfectants. A resource that lists EPA registered (or licensed) disinfectants for use in poultry and farm facilities to inactivate avian influenza viruses is available at: [www.epa.gov/pesticides/factsheets/avian.htm](http://www.epa.gov/pesticides/factsheets/avian.htm). EPA registers pesticide products, including disinfectants. Currently, 100 disinfectant products are registered and intended for use against avian influenza A viruses. These products are effective on hard, non-porous surfaces usually with a 10-minute application. If the need arises for an unregistered pesticide or for an unregistered use of a registered product, EPA may (if adequate data are available to support the request) grant an emergency exemption to allow the distribution, sale, and use of the unregistered product or unregistered use of a registered product for a limited period of time.

## **7. TRANSPORTATION:**

The transportation of birds infected with the avian influenza virus from the affected premises to off-site locations will need to consider special procedures to prevent the spread of disease. These procedures include having a disinfectant appropriate for the pathogen or virus, leak-proof transportation, and polyethylene plastic sheets. In addition, it is recommended that a designated government representative accompany these vehicles for biosecurity reasons where practical. In addition, all vehicles should be cleaned and disinfected before they leave the affected premises and again after the material has been unloaded at the disposal site. Cleaning and disinfection procedures are important for all personnel, vehicles, and equipment. (See Reference: USDA National Animal Health Emergency Management System Guidelines for Disposal, April 2005, pg 3-5 and USDA Interim Avian Influenza (AI) Response Plan, January 2006.) Consideration needs to be given to lining the trucks used in transporting carcasses to contain any fluids and to make it easier to remove the carcasses from the vehicles. An alternative to lining trucks may be the use of 1) macro-vaults (i.e., roll-off containers which can be sealed and are used by some portion of the waste management industry) or 2) biomedical waste transport vehicles. For more details on the above environmental issues and to better understand economic and social challenges regarding transportation, see "Lessons Learned from AI Outbreaks in Virginia 1983 and 2002."

## **8. PERSONNEL PROTECTIVE EQUIPMENT (PPE)**

Biosecurity is important for the eradication and control of a disease during an animal health emergency. The use of personnel protective equipment (PPE) is an essential element of a successful biosecurity plan. PPE refers to equipment used as a barrier between an individual and a hazard that could result in an injury or occupational illness. The selection of PPE to protect workers in any given hazard situation should be based on consideration of three factors: 1) information on the nature and magnitude of the hazard, 2) performance data on the PPE under consideration, and 3) the estimated level of residual risk resulting from the quantity or concentration of the agent to which workers will be exposed while the PPE is in use. Appendix B in the USDA Interim Avian Influenza (AI) Response Plan discusses the use of PPE by foreign animal disease diagnosticians (FADDs) and associated personnel charged with investigating reports of animal diseases.

## **9. SUMMARY**

The USDA is the lead federal agency in responding to foreign animal diseases. EPA, along with several other federal agencies, has support roles within the overall federal response. EPA's principal support role includes providing technical assistance and subject-matter expertise and support for disinfection and disposal issues. In

addition, EPA maintains communication with other federal agencies involved in an avian influenza outbreak response, as well as States, Tribes, local agencies, and other solid waste management stakeholders.

This document identifies three critical factors and considerations in the disposal decision-making process during an avian influenza outbreak: contain the virus by limiting transportation of infected birds; respond expeditiously to reduce the potential for genetic mutations and transmission of pathogens to humans and other species (USDA's goal is for euthanized carcasses to be disposed of within 24 hours); and select carcass treatment/disposal options that ensure containment and inactivation of the virus and protection of the environment given the site-specific conditions. As for key potential carcass management options, this document provides information on on-site composting, burial, incineration, and isolation, and off-site landfills. In addition, other management options are briefly identified. Numerous references and resources are provided in Appendix D for those seeking more detailed information.

USDA and others have effectively dealt with a variety of animal diseases, including the disposal of HPAI contaminated animal carcasses. Through the combined efforts of the federal, state, and local governments, management of an avian influenza H5N1 outbreak can be handled in a manner that is protective of human health and the environment.

## APPENDIX A

### CONTACT INFORMATION FOR KEY PROGRAM OFFICES AND EMERGENCY OPERATION CENTERS

Agency	Phone Number	Website
<b>National Response Center (NRC)</b> <i>To report oil or chemical spills</i>	<b>800-424-8802</b>	<a href="http://www.nrc.uscg.mil/">http://www.nrc.uscg.mil/</a>
<b>U.S. Dept of Agriculture (USDA)</b>  Animal & Plant Health Inspection Service (APHIS) APHIS Emergency Operations Center (EOC) APHIS Plant Protection and Quarantine (PPQ) Food Safety Inspection Service (FSIS) Veterinary Services (VS)	<b>877-677-2369</b> (toll free)	<a href="http://www.usda.gov/">http://www.usda.gov/</a>  <a href="http://www.aphis.usda.gov/">http://www.aphis.usda.gov/</a>  <a href="http://www.aphis.usda.gov/ppq/">http://www.aphis.usda.gov/ppq/</a> <a href="http://www.fsis.usda.gov/">http://www.fsis.usda.gov/</a>
<b>U.S. Dept of Defense (DoD)</b>	<b>703-428-0711</b>	<a href="http://www.dod.gov/">http://www.dod.gov/</a>
<b>U.S. Dept of Interior (DOI)</b>	<b>202-208-4108</b>	<a href="http://www.doi.gov/">http://www.doi.gov/</a>
<b>U.S. Dept of State (DOS)</b>	<b>202-647-1512</b>	<a href="http://www.state.gov/">http://www.state.gov/</a>
<b>U.S. Dept of Health &amp; Human Services (HHS)</b>  Food and Drug Administration (FDA) FDA Emergency Operations Center (EOC)	<b>301-443-1240</b>	<a href="http://www.hhs.gov/">http://www.hhs.gov/</a>  <a href="http://www.fda.gov/">http://www.fda.gov/</a>
<b>U.S. Dept of Homeland Security (DHS)</b>  Homeland Security Operations Center (HSOC)	<b>202-282-8000</b>  <b>202-282-8100</b>	<a href="http://www.dhs.gov/">http://www.dhs.gov/</a>
<b>U.S. Environmental Protection Agency (EPA)</b>  <b>Office of the Administrator</b> Office of Homeland Security  <b>Office of Enforcement and Compliance Assurance (OECA)</b> Office of Criminal Enforcement Training and Forensics Criminal Investigation Division  <b>Office of Prevention, Pesticides, and Toxic Substances (OPPTS)</b> Office of Pesticide Programs (OPP)  <b>Office of Solid Waste &amp; Emergency Response (OSWER)</b> Emergency Operations Center Office of Emergency Management  <b>Office of Water (OW)</b> Office of Groundwater and Drinking Water Water Security Division	<b>202-272-0167</b>  <b>202-564-6978</b>  <b>202-564-2440</b> <b>202-564-2480</b> <b>202-564-2523</b>  <b>202-564-2902</b> <b>703-305-7090</b>  <b>202-566-0200</b> <b>202-564-3850</b> <b>202-564-8600</b>  <b>202-564-5700</b> <b>202-564-3750</b> <b>202-564-3779</b>	<a href="http://www.epa.gov">http://www.epa.gov</a>  <a href="http://www.epa.gov/adminweb/">http://www.epa.gov/adminweb/</a> <a href="http://www.epa.gov/homelandsecurity/">http://www.epa.gov/homelandsecurity/</a>  <a href="http://www.epa.gov/compliance/">http://www.epa.gov/compliance/</a>  <a href="http://www.epa.gov/oppts">http://www.epa.gov/oppts</a> <a href="http://www.epa.gov/pesticides/">http://www.epa.gov/pesticides/</a>  <a href="http://www.epa.gov/swerrims/">http://www.epa.gov/swerrims/</a> <a href="http://www.epa.gov/swerrims/emergencies.htm">http://www.epa.gov/swerrims/emergencies.htm</a>  <a href="http://www.epa.gov/OW">http://www.epa.gov/OW</a> <a href="http://www.epa.gov/safewater/">http://www.epa.gov/safewater/</a> <a href="http://cfpub.epa.gov/safewater/watersecurity/index.cfm">http://cfpub.epa.gov/safewater/watersecurity/index.cfm</a>

## APPENDIX B

### AVIAN INFLUENZA OUTBREAK SCENARIO

- A farmer observes either sick or dying birds within his or her flock and notifies the State Department of Agricultural or State veterinarian (depending on the state). The state veterinarian would then notify USDA.
- An agency/laboratory obtains the initial suspected sample (e.g., a domestic bird) and notifies the USDA of the suspected sample. The USDA sends the suspected sample to USDA's National Veterinary Services Laboratory (NVSL) in Ames, IA for confirmation.
- USDA initiates a Foreign Animal Disease Investigation with the appropriate State Department of Agriculture and State Lead Veterinarian to initiate confirmatory sampling. USDA notifies the Department of Homeland Security (DHS).
- DHS notifies the National Interagency Contingency Team (NICT) with a Situation Report (SITREP) to the USDA Emergency Operations Center network, who then notifies the other Federal Interagency Emergency Operation Centers.
- USDA and DHS activate the Joint Information Center (JIC).
- Upon confirmation of the detection of the HPAI H5N1 virus, USDA will issue a public message and notify commercial poultry operators of the possibility of H5N1 in the area.
- USDA, with State and local agencies, initiates control (quarantine and depopulation) and cleanup efforts (disposal and disinfection).
- EPA, if requested, provides technical guidance to the decision makers at USDA, States, and the solid waste and poultry industries on decontamination, disposal, and information on approved disinfectants.
- The process above continues throughout the cleanup and clearance phases and for as many incidents that are reported.

## APPENDIX C

### Environmental Persistence & Transmission of Avian Influenza Viruses

(Source: Diseases of Poultry, 11<sup>th</sup> ed)

Avian influenza viruses are relatively unstable in the environment. Physical factors such as heat, extremes for pH, nonisotonic conditions, and dryness can inactivate avian influenza viruses. Because avian influenza viruses have lipid envelopes, they are inactivated by organic solvents and detergents, such as sodium desoxycholate and sodium dodecylsulfate. In the presence of organic matter, avian influenza virus can be destroyed by chemical inactivants such as aldehydes (formaldehyde or glutaraldehyde), beta-propiolactone and binary ethylenimine. After removal of organic matter, chemical disinfectants such as phenolics, ammonium ions (including quaternary ammonium disinfectants), oxidizing agents (such as sodium hypochlorite), dilute acids, and hydroxylamine can destroy avian influenza viruses. In field situations, influenza viruses are protected by organic material such as nasal secretions or feces, which increase resistance to physical and chemical inactivation. Cool and moist conditions favor long survival of avian influenza viruses in the environment. Avian influenza viruses have been viable in liquid manure for 105 days in the winter and in feces for 30-35 days at 39°F and for 7 days at 68°F. Proper inactivation and elimination of avian influenza viruses shed in the environment is essential in the control of field infection and can be accomplished through integrated approaches including heating of buildings to 90-100°F for one week, thorough removal and proper disposal of manure and litter, cleaning and disinfecting of buildings before restocking. Virus in manure and litter must be inactivated or disposed of by burial, composting, or incineration. Effective disinfectants against avian influenza viruses on clean surfaces include 5.25% sodium hypochlorite, 2% sodium hydroxide (lye), phenolic compounds, acidified ionophore compounds, chlorine dioxide disinfectants, strong oxidizing agents and 4% sodium carbonate/0.1% sodium silicate. However, organic material must be removed before disinfectants can work properly.” Swayne, DE and Halvorson, DA. Avian Influenza. Diseases of Poultry, 11<sup>th</sup> Ed. Saif, Y.M. et.al Ed. Iowa State Press, pp. 135-160, 2003.

Infectivity and inactivation of H7N2 avian influenza virus under various environmental conditions was studied by Lu H, et al. in 2003. The virus in these studies was completely inactivated when combined with field chicken manure in less than a week at an ambient temperature of 59-58° F. At a pH 2, heating at 132° F, and exposure to 70% ethanol or a commercial disinfectant (DC&R), the avian influenza virus infectivity was destroyed in less than 30min. Lu, H, Castro, AE, Pennick, K, Liu, J, Yang, Q, Dunn, P, Weinstock, D, Henzler, D. Survival of avian influenza virus H7N2 in SPF chickens and their environments. Av. Dis. 47 (3 Suppl) 1015-21, 2003.

Study of waterfowl epidemiology of avian influenza viruses resulted in finding that temperature, pH and salinity of water affect the persistence of these viruses in surface water. When temperature alone was examined, linear regression models predicted a initial concentration of 1 x 10<sup>6</sup> TCID<sub>50</sub>/ml water could remain infective for up to 207 days at 62°F and up to 102 days at 82°F, suggesting these viruses are adapted to survive in waterfowl wintering habitats. When pH and salinity effects were studied, persistence was found to be 100 days at 62°F, 0 ppt salinity at pH 8.2 and only 9 days at 82° F, 20 ppt salinity and a pH of 8.2. Overall, the duration of infectivity decreased with increasing salinity and pH. Stallnecht, DE, Kearney, MT, Shane, SM, Zwank, PJ. Persistence of avian influenza in water. Avian. Dis. 34: 406-411, 1990 Stallnecht, DE, Kearney, MT, Shane, SM, Zwank, PJ. Effects of pH, temperature, and salinity on persistence of avian influenza viruses in water. Avian Dis. 34: 412-428, 1990.

## APPENDIX D

### REFERENCES AND RESOURCES

NAME OF REFERENCE	TYPE	WEBSITE AVAILABILITY	SOURCE
Animal Disposal Following an Emergency , Sep 05	Article	<a href="http://www.bt.cdc.gov/disasters/animaldisposal.asp">http://www.bt.cdc.gov/disasters/animaldisposal.asp</a>	Centers for Disease Control & Prevention
Carcass Disposal: A Comprehensive Review, 04	Reference	<a href="http://fss.k-state.edu/research/books/carcassdispfiles/">http://fss.k-state.edu/research/books/carcassdispfiles/</a>	<a href="#">National Biosecurity Resource Center for Animal Health Emergencies</a>
Environmental Survival of Avian Influenza Viruses, Feb 06	Article	<a href="http://www.cidrap.umn.edu/cidrap/content/influenza/avianflu/biofacts/avflu.html">http://www.cidrap.umn.edu/cidrap/content/influenza/avianflu/biofacts/avflu.html</a>	Center for Infectious Disease Research & Policy
Guidelines for In-house Composting of Catastrophic Poultry Mortality, 02	Fact Sheet	<a href="http://www.agnr.umd.edu/MCE/Publications/Publication.cfm?ID=fs-801">http://www.agnr.umd.edu/MCE/Publications/Publication.cfm?ID=fs-801</a>	University of MD Agriculture & Natural Resources
Guidelines for In-House Composting Poultry Mortality as a Rapid Response to Avian Influenza	Fact Sheet	<a href="http://www.deq.virginia.gov/waste/pdf/factsheet1va.pdf">http://www.deq.virginia.gov/waste/pdf/factsheet1va.pdf</a>	VA. DEQ
VA DEQ Recommendations For Whole-Flock Disposal of Poultry due to Avian Influenza, Mar 06	Article	<a href="http://www.deq.virginia.gov/waste/pdf/deqaidisposal.pdf">http://www.deq.virginia.gov/waste/pdf/deqaidisposal.pdf</a>	VA DEQ Preferred Methods of Disposal of Poultry due to AI
National Response Plan, Dec 04	Reference	<a href="http://www.dhs.gov/dhspublic/interapp/editorial/editorial_0566.xml">http://www.dhs.gov/dhspublic/interapp/editorial/editorial_0566.xml</a>	US Department of Homeland Security
Federal Food and Agriculture Decontamination and Disposal Roles and Responsibilities”, Nov 05	Reference	<a href="http://www.epa.gov/homelandsecurity/pdfs/conops11222005.pdf">http://www.epa.gov/homelandsecurity/pdfs/conops11222005.pdf</a>	US Department of Agriculture and other Federal Agencies
USDA Interim Avian Influenza Response Plan, Jan 06	Plan	Unavailable	USDA
USDA National Animal Health Emergency Management System Guidelines for Disposal, Apr 05	Guidelines	Unavailable	USDA
USDA National Animal Health Emergency Management System Guidelines for Cleaning and Disinfection	Guidelines	Unavailable	USDA
WHO; Lab study of H5N1 viruses in domestic ducks, Oct 04	Article	<a href="http://www.who.int/csr/disease/avian_influenza/labstudy_2004_10_29/en/print.html">http://www.who.int/csr/disease/avian_influenza/labstudy_2004_10_29/en/print.html</a>	World Health Organization (WHO)
Avian Influenza. Diseases of Poultry, pg 135-160, 03	Article	Unavailable	Swayne, DE and Halvorson, DA.
Fowl Plague, Avian Influenza-Highly Pathogenic	Fact Sheet	<a href="http://www.poultry-health.com/fora/fowlplag.htm">http://www.poultry-health.com/fora/fowlplag.htm</a>	Poultry Health Services
Composting Dead Birds, 1991	Fact Sheet	<a href="http://www.agnr.umd.edu/MCE/Publications/Publication.cfm?ID=fs-537">http://www.agnr.umd.edu/MCE/Publications/Publication.cfm?ID=fs-537</a>	Dennis W. Murphy and Lewis Carr
Lessons Learned From AI Outbreaks in VA 1983 & 2002	Article	<a href="ftp://ftp.deq.virginia.gov/pub/solidwst/2002leslearned.doc">ftp://ftp.deq.virginia.gov/pub/solidwst/2002leslearned.doc</a>	Eric S. Bendfeldt, Robert W. Peer, and Gary A. Flory
AI Carcass Disposal, 2006	Presentation	<a href="http://www.deq.virginia.gov/waste/pdf/vaaidpre.pdf">http://www.deq.virginia.gov/waste/pdf/vaaidpre.pdf</a>	Gary A. Flory, VA DEQ
Extensive Poultry Information Source	Reference	<a href="http://www.dpchicken.org/index.cfm?content=poultry-links">http://www.dpchicken.org/index.cfm?content=poultry-links</a>	Delmarva Poultry Industry, Inc
2005 Guidelines for In-house Composting of Poultry Mortalities Due to Catastrophic Disease	Presentation	<a href="http://www.rec.udel.edu/poultry">http://www.rec.udel.edu/poultry</a>	Nathaniel Tablante, Univ of MD George W. Malone, Univ. of DE

**APPENDIX D (CONTINUED)**  
**REFERENCES AND RESOURCES**

<b>NAME OF RESOURCE</b>	<b>TYPE</b>	<b>SOURCE</b>	<b>SUBJECT(s)</b>
American Veterinarian Medical Assoc	Website	<a href="http://www.avma.org/">http://www.avma.org/</a>	Animal Health/ Avian Influenza Specific
EPA Pesticides	Website	<a href="http://www.epa.gov/pesticides/">http://www.epa.gov/pesticides/</a>	Disinfectants approved by EPA
ASTSWMO	Website	<a href="http://www.astswmo.org/">http://www.astswmo.org/</a>	State Disposal Contacts
National Chicken & Turkey Councils, Egg Safety Center	Website	<a href="http://www.avianinfluenzainfo.com">http://www.avianinfluenzainfo.com</a>	AI Info from Industry
National Biosecurity Resource Center for Animal Health Emergencies	Website	<a href="http://www.biosecuritycenter.org/">http://www.biosecuritycenter.org/</a>	Animal Carcass Disposal Info
Poultry Health Services	Website	<a href="http://www.poultry-health.com/fora/fowlplag.htm">http://www.poultry-health.com/fora/fowlplag.htm</a>	Avian Influenza Forum
Center for Agro-Security & Emergency Management (UMD)	Website	<a href="http://www.agnr.umd.edu/AgroSecurity/">http://www.agnr.umd.edu/AgroSecurity/</a>	Composting Research Articles & Presentations
Centers for Disease Control & Prevention	Website	<a href="http://www.cdc.gov/">http://www.cdc.gov/</a>	Avian Flu Specific Information
USDA Center for Animal Disease Information & Analysis	Website	<a href="http://www.aphis.usda.gov/vs/ceah/cadia/">http://www.aphis.usda.gov/vs/ceah/cadia/</a>	Animal Health Surveillance & Emerging Animal Diseases
EPA National Agriculture Compliance Assistance Center	Website	<a href="http://www.epa.gov/oecaagct/">http://www.epa.gov/oecaagct/</a>	Biosecurity & Homeland Security issues in Agriculture
EPA Homeland Security Links	Website	<a href="http://www.epa.gov/ohs/htm/links.htm">http://www.epa.gov/ohs/htm/links.htm</a>	Links EPA Homeland Security
EPA Homeland Security Research	Website	<a href="http://www.epa.gov/ordnhsrc/index.htm">http://www.epa.gov/ordnhsrc/index.htm</a>	Homeland Security Research
Food and Agriculture Organization (FAO) of the UN	Website	<a href="http://www.fao.org/ag/againfo/subjects/en/health/diseases-cards/special_avian.html">http://www.fao.org/ag/againfo/subjects/en/health/diseases-cards/special_avian.html</a>	International Avian Influenza Information
Integrated Waste Services Assoc	Website	<a href="http://www.wte.org/">http://www.wte.org/</a>	Municipal Waste to Energy Assoc
National Association of State Departments of Agriculture	Website	<a href="http://www2.nasda.org/NASDA">http://www2.nasda.org/NASDA</a>	AI Info Resource Site/Outreach
National Biosecurity Research Center	Website	<a href="http://www.biosecuritycenter.org/error404.php">http://www.biosecuritycenter.org/error404.php</a>	State Carcass Disposal Regs & Info
Solid Waste Management Association of North America	Website	<a href="http://www.swana.org/">http://www.swana.org/</a>	Training, Certification, & Communication
US Poultry & Egg Association	Website	<a href="http://www.poultryegg.org/">http://www.poultryegg.org/</a>	AI from an Industry Perspective
Avian Flu & Pandemic Flu	Website	<a href="http://www.pandemicflu.gov/">http://www.pandemicflu.gov/</a>	U.S. Government avian & pandemic flu info
Delmarva Poultry Industry, Inc	Website	<a href="http://www.dpichicken.org/index.cfm?content=poultry-links">http://www.dpichicken.org/index.cfm?content=poultry-links</a>	Academic, Industry & Government Websites on Poultry Issues
World Health Organization	Website	<a href="http://www.who.int/csr/disease/avian_influenza/en/index.html">http://www.who.int/csr/disease/avian_influenza/en/index.html</a>	International Avian Influenza Information
EPA Composting	Website	<a href="http://www.epa.gov/epaoswer/non-hw/composting/index.htm">http://www.epa.gov/epaoswer/non-hw/composting/index.htm</a>	Composting Information



## APPENDIX E

### State Agricultural, Wildlife, Public Health & Solid Waste Contacts

AGRICULTURE	WILDLIFE	PUBLIC HEALTH	SOLID WASTE
<b>ALABAMA (AL)</b>			
<p><b>Dept of Ag &amp; Industries</b> Richard Beard Bldg P.O. Box 3336 Montgomery, AL 36109 Phone: (334) 240-7100 Fax: (334) 240-7190 <a href="http://www.agi.state.al.us/">http://www.agi.state.al.us/</a></p>	<p><b>Div of Wildlife &amp; Freshwater Fisheries</b> Dept of Conservation &amp; Nat Res 64 N. Union St Montgomery, AL 36130 Phone: (334) 242-3849 Fax: (334) 242-3032 <a href="http://www.outdooralabama.com">http://www.outdooralabama.com</a></p>	<p><b>Dept of Public Health</b> The RSA Tower, Ste 1552 201 Monroe St Montgomery, AL 36104 Phone: (334) 206-5200 Fax: (334) 206-2008 <a href="http://www.adph.org">http://www.adph.org</a></p>	<p><b>Dept of Environ Mngmt</b> Land Div, Waste Programs Branch P.O.Box 301463 Montgomery, AL 36130-146 Phone: (334) 271-7755 Fax: (334) 279-3050 <a href="http://www.adem.state.al.us/landdivision/solidwaste/SolidWasteMainInfo.htm">http://www.adem.state.al.us/landdivision/solidwaste/SolidWasteMainInfo.htm</a></p>
<b>ALASKA (AK)</b>			
<p><b>Division of Agriculture</b> Dept of Natural Resources 1800 Glenn Highway, Suite 12 Palmer, Alaska 99645-6736 Phone: (907) 745-7200 Fax: (907) 745-7112 <a href="http://www.dnr.state.ak.us/ag/index.htm">http://www.dnr.state.ak.us/ag/index.htm</a></p>	<p><b>Dept of Fish &amp; Game</b> P.O. Box 25526 Juneau AK 99802-5526 Phone: (907) 465-4100 Fax: (907) 465-2332 <a href="http://www.dnr.state.ak.us">http://www.dnr.state.ak.us</a></p>	<p><b>Division of Public Health</b> 350 Main Street, Room503 P.O. Box 110610 Juneau, AK 99811 Phone: (907) 465-3090 Fax: (907) 586-1877 <a href="http://www.hss.state.ak.us/dph">http://www.hss.state.ak.us/dph</a></p>	<p><b>Dept Environmental Conservation</b> Division of Environ Health Solid Waste Program 555 Cordova Street Anchorage, AK 99501 Phone:907/269-7802 Fax:907/269-7655 <a href="http://www.dec.state.ak.us/">http://www.dec.state.ak.us/</a></p>
<b>AMERICAN SOMOA (AS)</b>			
<p><b>Dept of Agriculture</b> AS Government Executive Office Bldg, Utulei Territory of AS Pago Pago, AS 96799 Phone: 011(684) 699-1497 Fax: 011(684) 699-4031 <a href="http://www.asg-gov.net/AGRICULTURE.htm">http://www.asg-gov.net/AGRICULTURE.htm</a></p>	<p><b>Marine &amp; Wildlife Resources Dept</b> P.O. Box 3730 Pago Pago, AS 96799 Phone: (684) 633-4456 Fax: (684) 633-5944 <a href="http://www.asg-gov.net/MARINE%20&amp;%20WILDLIFE%20RESOURCES.htm">http://www.asg-gov.net/MARINE%20&amp;%20WILDLIFE%20RESOURCES.htm</a></p>	<p><b>Dept of Health</b> LBJ Tropical Medical Center Pago Pago, AS 96799 Phone: (684) 633-4606 Fax: (684) 633-5379 <a href="http://www.asg-gov.net/HEALTH.htm">http://www.asg-gov.net/HEALTH.htm</a></p>	<p><b>Solid Waste Manager</b> AS Power Authority AS Government EQC P.O. Box PPB Pago Pago, AS 96799 Phone: (684) 699-1462 Fax: (684) 699-8070</p>
<b>ARIZONA (AZ)</b>			
<p><b>Dept of Agriculture</b> 1688 W. Adams St Phoenix, AZ 85007 Phone: (602) 542-4373 Fax: (602) 542-5420 Web: <a href="http://www.azda.gov/">http://www.azda.gov/</a></p>	<p><b>Game &amp; Fish Dept</b> 2222 W. Greenway Rd Phoenix, AZ 85023-4312 Phone: (602) 942-3000 Fax: (602) 789-3924 Web: <a href="http://www.azgfd.com/">http://www.azgfd.com/</a></p>	<p><b>Dept of Health Services</b> 1740 W. Adams, Rm 407 Phoenix, AZ 85007 Phone: (602) 542-1025 Fax: (602) 542-1062 Web: <a href="http://www.hs.state.az.us/">http://www.hs.state.az.us/</a></p>	<p><b>Dept of Environmental Quality</b> Waste Programs Div 1110 W. Washington St Phoenix, AZ 85007 Phone: (602) 771-4208 Fax: (602) 771-2302 <a href="http://www.azdeq.gov/environ/waste/solid/">http://www.azdeq.gov/environ/waste/solid/</a></p>
<b>ARKANSAS (AR)</b>			
<p><b>Dept of Agriculture</b> No. 1 Natural Resource Dr. Little Rock, AR 72205 Phone: (501) 683-4851 Fax: (501) 683-4852 Web: <a href="http://aad.arkansas.gov/">http://aad.arkansas.gov/</a></p>	<p><b>Game &amp; Fish Commission</b> #2 Natural Resources Dr Little Rock, AR 72205 Phone: (501) 223-6305 Fax: (501) 223-6448 Web: <a href="http://www.agfc.state.ar.us/">http://www.agfc.state.ar.us/</a></p>	<p><b>Dept of Health</b> 4815 W. Markham St Little Rock, AR 72205 Phone: (501) 611-2111 Fax: (501) 671-1450 <a href="http://www.healthyyarkansas.com">http://www.healthyyarkansas.com</a></p>	<p><b>Dept of Environmental Quality</b> Solid Waste Management Div 8017 Interstate 30, P.O. Box 8913 Little Rock, AR 72219-8913 Phone:(501) 682-0600 Fax: (501) 682-0611 <a href="http://www.adeq.state.ar.us/solwaste/default.htm">www.adeq.state.ar.us/solwaste/default.htm</a></p>

**APPENDIX E (Continued)**  
**State Agricultural, Wildlife, Public Health & Solid Waste Contacts**

AGRICULTURE	WILDLIFE	PUBLIC HEALTH	SOLID WASTE
<b>CALIFORNIA (CA)</b>			
<p><b>CA Dept of Food &amp; Agriculture</b>                      1220 N. St, Ste A-400                      Sacramento, CA 95814-5607                      Phone: (916) 654-0433                      Fax: (916) 654-0403  <a href="http://www.cdfa.ca.gov/">http://www.cdfa.ca.gov/</a></p>	<p><b>CA Dept of Fish &amp; Game</b>                      P.O. Box 944209                      Sacramento, CA 94244-2090                      Phone: (916) 653-7667                      Fax: (916) 653-1856  <a href="http://www.dfg.ca.gov/">http://www.dfg.ca.gov/</a></p>	<p><b>CA Dept of Health Services</b>                      1501 Capitol Ave, Ste 6001                      Sacramento, CA 95814                      Phone: (916) 440-7400                      Fax: (916) 440-7404  <a href="http://www.dhs.ca.gov/">http://www.dhs.ca.gov/</a></p>	<p><b>CA Integrated Waste Mngmt Board</b>                      1001 I St, P.O. Box 4025                      Sacramento, CA 95812                      Phone: (916) 341-6000                      Fax: (916) 341-6054  <a href="http://www.ciwm.ca.gov/Landfills/">http://www.ciwm.ca.gov/Landfills/</a></p>
<b>COLORADO (CO)</b>			
<p><b>Dept of Agriculture</b>                      700 Kipling St, Ste 4000                      Lakewood, CO 80215-8000                      Phone: (303) 239-4100                      Fax: (303) 239-4125  <a href="http://www.ag.state.co.us/">http://www.ag.state.co.us/</a></p>	<p><b>Division of Wildlife</b>                      6060 Broadway                      Denver, CO 80216                      Phone: (303) 291-7208                      Fax: (303) 294-0874  <a href="http://www.wildlife.state.co.us/">http://www.wildlife.state.co.us/</a></p>	<p><b>Dept of Public Health &amp; Environment</b>                      4300 Cherry Creek Dr, South                      Glendale, CO 80246                      Phone: (303) 692-2000                      Fax: (303) 691-1979  <a href="http://www.cdphe.state.co.us/">http://www.cdphe.state.co.us/</a></p>	<p><b>Dept of Public Health &amp; Environment</b>                      Hazardous Materials &amp; Waste Management Div                      4300 Cherry Creek Dr, South                      Denver, CO 80246-1530                      Phone: (303) 692-3300                      Fax: (303) 759-5355  <a href="http://www.cdphe.state.co.us/hm/hmhom.asp">http://www.cdphe.state.co.us/hm/hmhom.asp</a></p>
<b>CONNECTICUT (CT)</b>			
<p><b>Dept of Agriculture</b>                      165 Capitol Ave.                      Hartford, CT 06106                      Phone: (860) 713-2500                      Fax: (860) 713-2514  <a href="http://www.ct.gov/doag/site/default.asp">http://www.ct.gov/doag/site/default.asp</a></p>	<p><b>Bureau of Natural Resources</b>                      CT Dept of Environmental Protection                      79 Elm St                      Hartford, CT 06106-5127                      Phone: (860) 424-3010                      Fax: (860) 424-4078  <a href="http://www.dep.state.ct.us/">http://www.dep.state.ct.us/</a></p>	<p><b>Dept of Public Health</b>                      401 Capitol Ave                      Hartford, CT 06134                      Phone: (860) 509-7101                      Fax: (860) 509-7111  <a href="http://www.dph.stats.ct.us">http://www.dph.stats.ct.us</a></p>	<p><b>Dept of Environmental Protection</b>                      Bureau of Waste Management                      79 Elm St, 4th Floor                      Hartford, CT 06106-5127                      Phone: (860) 424-3021                      Fax: (860) 424-4060  <a href="http://www.dep.state.ct.us/wst/">http://www.dep.state.ct.us/wst/</a></p>
<b>DELEWARE (DE)</b>			
<p><b>Dept of Agriculture</b>                      2320 S. DuPont Highway                      Dover, DE 19901                      Phone: (302) 698-4500                      Fax: (302) 697-4463  <a href="http://www.state.de.us/deptagri/">http://www.state.de.us/deptagri/</a></p>	<p><b>Division of Fish &amp; Wildlife</b>                      89 Kings Highway                      Dover, DE 19901                      Phone: (302) 739-5295                      Fax: (302) 739-6157  <a href="http://www.fw.delaware.gov">http://www.fw.delaware.gov</a></p>	<p><b>Health and Social Services</b>                      Jesse Cooper Bldg                      417 Federal St                      Dover, DE 19901                      Phone: (302) 739-4700                      Fax: (302) 739-6659  <a href="http://www.dhss.delaware.gov/dhss/index.html">http://www.dhss.delaware.gov/dhss/index.html</a></p>	<p><b>Dept of Natural Resources &amp; Environ Control</b>                      Air and Waste Management Div                      Hazardous and Solid Waste Management                      89 Kings Highway                      Dover, DE 19901                      Phone: (302) 739-9403                      Fax: (302) 739-5060  <a href="http://www.dswa.com/">http://www.dswa.com/</a></p>

**APPENDIX E (Continued)**  
**State Agricultural, Wildlife, Public Health & Solid Waste Contacts**

AGRICULTURE	WILDLIFE	PUBLIC HEALTH	SOLID WASTE
<b>DISTRICT OF COLUMBIA (DC)</b>			
<p><b>DC Dept of Health</b>            825 N. Capitol St, NW, Ste 4400            Washington, DC 20002            Phone: (202) 442-5999            Fax: (202) 442-4788  <a href="http://dchealth.dc.gov/doh/site/default.asp">http://dchealth.dc.gov/doh/site/default.asp</a></p>	<p><b>Fisheries &amp; Wildlife Program</b>            Environmental Health Administration            Fisheries &amp; Wildlife Div            51 N. St, NE, 5th Floor            Washington DC 20002-3323            Phone: (202) 535-2266            Fax: (202) 535-1373  <a href="http://dchealth.dc.gov/doh/cwp/view,a,1374,Q,584468,dohNav_GID,1810,.asp">http://dchealth.dc.gov/doh/cwp/view,a,1374,Q,584468,dohNav_GID,1810,.asp</a></p>	<p><b>DC Dept of Health</b>            825 N. Capitol St, NW, Ste 4400            Washington, DC 20002            Phone: (202) 442-5999            Fax: (202) 442-4788  <a href="http://dchealth.dc.gov/doh/site/default.asp">http://dchealth.dc.gov/doh/site/default.asp</a></p>	<p><b>DC Dept of Public Works</b>            Solid Waste Administration            2750 S. Capitol St, S.E.            Washington, D.C. 20032            Phone: (202) 727-5907            Fax: (202) 727-9314  <a href="http://dchealth.dc.gov/doh/cwp/view,a,3,Q,573184,dohNAV_GID,1802,dohNAV,33200332151,.asp">http://dchealth.dc.gov/doh/cwp/view,a,3,Q,573184,dohNAV_GID,1802,dohNAV,33200332151,.asp</a></p>
<b>FLORIDA (FL)</b>			
<p><b>Dept of Agriculture &amp; Consumer Services</b>            The Capitol, PL10            Tallahassee, FL 32399-0810            Phone: (850) 488-3022            Fax: (850) 922-4936  <a href="http://doacs.state.fl.us/">http://doacs.state.fl.us/</a></p>	<p><b>Fish &amp; Wildlife Conservation Commission</b>            620 S. Meridian St            Tallahassee, FL 32399-1600            Phone: (850) 488-2975            Fax: (850) 921-5786  <a href="http://myfwc.com/">http://myfwc.com/</a></p>	<p><b>Dept of Health</b>            2585 Merchants Row Blvd            Tallahassee, FL 32399            Phone: (850) 245-4321            Fax: (850) 487-3729  <a href="http://www.doh.state.fl.us/">http://www.doh.state.fl.us/</a></p>	<p><b>Dept of Environmental Protection</b>            Division of Waste Management            Bureau of Solid &amp; Hazardous Waste            Solid Waste Mgmt Section (MS 4565)            2600 Blair Stone Rd,            Tallahassee, FL 32399-2400            Phone: (850) 245-8707            Fax: (850) 245-8811  <a href="http://www.dep.state.fl.us/waste/categories/solid_waste/default.htm">http://www.dep.state.fl.us/waste/categories/solid_waste/default.htm</a></p>
<b>GEORGIA (GA)</b>			
<p><b>GA Dept of Agriculture</b>            204 Agricultural Bldg            19 Martin Luther King, Jr. Dr            Atlanta, GA 30334            Phone: (404) 656-3600            Fax: (404) 651-8206  <a href="http://agr.georgia.gov">http://agr.georgia.gov</a></p>	<p><b>GA Dept of Natural Resources</b>            2 Martin Luther King, Jr. Dr., SE, Ste 1252 East            Atlanta, GA 30334            Phone: (404) 656-3500            Fax: (404) 656-0770            Web: <a href="http://www.gadnr.org/">http://www.gadnr.org/</a></p> <p><b>GA Wildlife Resources Division</b>            2070 US Highway 278, SE            Social Circle, GA 30025            Phone: (770) 918-6401            Fax: (706) 557-3030  <a href="http://www.gadnr.org">http://www.gadnr.org</a></p>	<p><b>GA Dept of Human Resources</b>            2 Peachtree Street, NW, Suite 7-300            Atlanta, GA 30303            Phone: (404) 657-2700            Fax: (404) 657-2715  <a href="http://health.state.ga.us/">http://health.state.ga.us/</a></p>	<p><b>GA Dept of Natural Resources</b>            Environmental Protection Division            Land Protection Branch            4244 International Parkway            Atlanta, GA 30354            Phone: (404) 362-2537            Fax: (404) 362-2580  <a href="http://www.gaepd.org/Documents/index_land.html">http://www.gaepd.org/Documents/index_land.html</a></p>

**APPENDIX E (Continued)**  
**State Agricultural, Wildlife, Public Health & Solid Waste Contacts**

AGRICULTURE	WILDLIFE	PUBLIC HEALTH	SOLID WASTE
<b>GUAM (GU)</b>			
<p><b>GU Dept of Agriculture</b>                      192 Dairy Road                      Mangilao, GU 96923                      Phone: (671) 734-3942                      Fax: (671) 734-6569</p>	<p><b>Div of Aquatic &amp; Wildlife Resources</b>                      Dept of Agriculture                      192 Dairy Road                      Mangilao GU 96923                      Phone: (671) 735-3984                      Fax: (671) 734-6570  <a href="http://www.guamdawr.org/">http://www.guamdawr.org/</a></p>	<p><b>Dept of Public Health &amp; Social Services</b>                      P.O. Box 2816                      Agana, GU 96910                      Phone: (671) 735-7102                      Fax: (671) 734-5910  <a href="http://www.govguam.net/agency/dphss/index.html">http://www.govguam.net/agency/dphss/index.html</a></p>	<p><b>GU Environmental Protection Agency</b>                      Air &amp; Land Programs Div                      P.O. Box 22439 GMF                      Barrigada, GU 96921                      Phone: (671) 475-1609                      Fax: (671) 477-9402  <a href="http://www.guamepa.govguam.net/">http://www.guamepa.govguam.net/</a></p>
<b>HAWAII (HI)</b>			
<p><b>HI Dept of Agriculture</b>                      Office of the Chairperson                      1428 S. King St                      Honolulu, HI 96814                      Phone: (808) 973-9551                      Fax: (808) 973-9613  <a href="http://www.hawaiiag.org/hdoa/">http://www.hawaiiag.org/hdoa/</a></p>	<p><b>HI Dept of Land &amp; Natural Resources</b>                      PO Box 621                      Honolulu, HI 96809                      Phone: (808) 587-0401                      Fax: (808) 587-0390  <a href="http://www.state.hi.us/dlnr/">http://www.state.hi.us/dlnr/</a></p>	<p><b>HI Dept of Health</b>                      1250 Punchbowl St                      Honolulu, HI 96813                      Phone: (808) 566-4410                      Fax: (808) 586-4444  <a href="http://www.state.hi.us/health">http://www.state.hi.us/health</a></p>	<p><b>HI Dept of Health</b>                      Environmental Management Division                      Solid &amp; Hazardous Waste Branch                      919 Ala Moana, Ste 212                      Honolulu, HI 96814                      Phone: (808) 586-7497                      Fax: (808) 586-7509  <a href="http://www.hawaii.gov/health/environmental/waste/sw/index.html">http://www.hawaii.gov/health/environmental/waste/sw/index.html</a></p>
<b>IDAHO (ID)</b>			
<p><b>ID Dept of Agriculture</b>                      2270 Old Penitentiary Rd                      Boise, ID 83712                      Phone: (208) 332-8500                      Fax: (208) 334-2170  <a href="http://www.idahoag.us/">http://www.idahoag.us/</a></p>	<p><b>ID Fish &amp; Game Dept</b>                      Box 25, 600 S. Walnut                      Boise ID 83707                      Phone: (208) 334-5159                      Fax: (208) 334-4885  <a href="http://fishandgame.idaho.gov/">http://fishandgame.idaho.gov/</a></p>	<p><b>ID Dept of Health &amp; Welfare</b>                      450 W. State St, Box 83720                      Boise, ID 83720                      Phone: (208) 334-5500                      Fax: (208) 334-6558  <a href="http://www.healthandwelfare.idaho.gov/">http://www.healthandwelfare.idaho.gov/</a></p>	<p><b>ID Dept of Environmental Quality</b>                      Waste Management &amp; Remediation Div                      1410 N. Hilton St                      Boise, ID 83706                      Phone: (208) 373-0502                      Fax: (208) 373-0154  <a href="http://www.deq.state.id.us/waste/assist_business/so lid_waste/index.cfm">http://www.deq.state.id.us/waste/assist_business/so lid_waste/index.cfm</a></p>
<b>ILLINOIS (IL)</b>			
<p><b>IL Dept of Agriculture</b>                      State Fairgrounds                      P.O. Box 19281                      Springfield, IL 62794-9281                      Phone: (217) 782-2172                      Fax: (217) 785-4505  <a href="http://www.agr.state.il.us/">http://www.agr.state.il.us/</a></p>	<p><b>IL Dept of Natural Resources</b>                      One Natural Resources Way                      Springfield, IL 62702-1271                      Phone: (217) 785-0075                      Fax: (217) 785-9236  <a href="http://dnr.state.il.us/">http://dnr.state.il.us/</a></p>	<p><b>IL Dept of Public Health</b>                      535 W. Jefferson St                      Springfield, IL 62761                      Phone: (217) 782-4977                      Fax: (217) 782-3987  <a href="http://www.idph.state.il.us/">http://www.idph.state.il.us/</a></p>	<p><b>IL Environmental Protection Agency</b>                      Bureau of Land                      Div of Land Pollution Control                      1021 N. Grand Ave. East, P.O. Box 19276                      Springfield, IL 62794-9276                      Phone: (217) 785-8604                      Fax: (217) 557-4231  <a href="http://www.epa.state.il.us/land/">http://www.epa.state.il.us/land/</a></p>

**APPENDIX E (Continued)**  
**State Agricultural, Wildlife, Public Health & Solid Waste Contacts**

AGRICULTURE	WILDLIFE	PUBLIC HEALTH	SOLID WASTE
<b>INDIANA (IN)</b>			
<p><b>IN Board of Animal Health</b>                      805 Beachway Dr., Ste 50                      Indianapolis, IN 46224                      Phone: (317) 227-0300                      Fax: (317) 227-0330  <a href="http://www.boah.in.gov">http://www.boah.in.gov</a></p>	<p><b>Division of Fish &amp; Wildlife</b>                      IN Dept of Natural Resources                      402 W. Washington St, Rm W-273                      Indianapolis, IN 46204                      Phone: (317) 232-4091                      Fax: (317) 232-8150  <a href="http://www.state.in.us/dnr/fishwild">http://www.state.in.us/dnr/fishwild</a></p>	<p><b>IN State Dept of Health</b>                      2 North Meridian Street                      Indianapolis, IN 46204                      Phone: (317) 233-7400                      Fax: (317) 233-7387  <a href="http://www.in.gov/isdh/">http://www.in.gov/isdh/</a></p>	<p><b>IN Dept of Environmental Mngmt</b>                      Office of Land Quality                      P.O. Box 6015, Rm 1154                      Indianapolis, IN 46206-6015                      Phone: (317) 233-6591                      Fax: (317) 232-3403  <a href="http://www.in.gov/idem/programs/land/index.html">http://www.in.gov/idem/programs/land/index.html</a></p>
<b>IOWA (IA)</b>			
<p><b>IA Dept of Agriculture &amp; Land Stewardship</b>                      Wallace Bldg, 502 E. 9th St                      Des Moines, IA 50319                      Phone: (515) 281-5322                      Fax: (515) 281-7046  <a href="http://www.agriculture.state.ia.us/">http://www.agriculture.state.ia.us/</a></p>	<p><b>IA Dept of Natural Resources</b>                      E. Ninth &amp; Grand Ave                      Des Moines, IA 50319-0034                      Phone: (515) 281-5385                      Fax: (515) 281-6794  <a href="http://www.iowa.gov/state/main.agnr.html">www.iowa.gov/state/main.agnr.html</a></p>	<p><b>IA Dept of Public Health</b>                      Lucas State Office Bldg                      321 E. 12th St                      Des Moines, IA 50319                      Phone: (515) 281-5605                      Fax: (515) 281-4958  <a href="http://www.idph.state.ia.us/">http://www.idph.state.ia.us/</a></p>	<p><b>IA Dept of Natural Resources</b>                      Energy &amp; Waste Management Bureau                      502 E. 9th St                      Des Moines, IA 50319-0034                      Phone: (515) 281-8927                      Fax: (515) 281-8895  <a href="http://www.iowadnr.com/waste/index.html">http://www.iowadnr.com/waste/index.html</a></p>
<b>KANSAS (KS)</b>			
<p><b>KS Animal Health Dept</b>                      708 SW Jackson                      Topeka, KS 66603-3714                      Phone: (785) 296-2326                      Fax: (785) 296-1765  <a href="http://www.kansas.gov/kahd/index.html">http://www.kansas.gov/kahd/index.html</a></p>	<p><b>Wildlife Operations</b>                      KS Dept of Wildlife &amp; Parks                      512 SE 25th Ave                      Pratt, KS 67124-8174                      Phone: (316) 672-5911                      Fax: (316) 672-6020  <a href="http://www.kdwp.state.ks.us/">http://www.kdwp.state.ks.us/</a></p>	<p><b>KS Dept of Health &amp; Environment</b>                      Curtis State Office Bldg                      1000 SW Jackson, Ste 300                      Topeka, KS 66612                      Phone: (785) 296-1086                      Fax: (785) 296-1562  <a href="http://www.kdhe.state.ks.us/">http://www.kdhe.state.ks.us/</a></p>	<p><b>KS Dept of Health &amp; Environment</b>                      Division of Environment                      Bureau of Waste Management                      1000 SW Jackson, Ste 320                      Topeka, KS 66612-1366                      Phone: (785) 296-1612                      Fax: (785) 296-8909  <a href="http://www.kdheks.gov/waste/index.html">http://www.kdheks.gov/waste/index.html</a></p>
<b>KENTUCKY (KY)</b>			
<p><b>KY Dept of Agriculture</b>                      Rm 188, Capitol Annex                      Frankfort, KY 40601                      Phone: (502) 564-5126                      Fax: (502) 564-5016  <a href="http://www.kyagr.com/">http://www.kyagr.com/</a></p>	<p><b>KY Dept of Fish/Wildlife Resources</b>                      One Game Farm Rd                      Frankfort, KY 40601                      Phone: (502) 564-7109 X333                      Fax: (502) 564-6508  <a href="http://www.kdfwr.state.ky.us/">http://www.kdfwr.state.ky.us/</a></p>	<p><b>KY Dept for Health Services</b>                      275 E. Main St                      Frankfort, KY 40621                      Phone: (502) 564-3970                      Fax: (502) 564-6533  <a href="http://publichealth.state.ky.us">http://publichealth.state.ky.us</a></p>	<p><b>KY Dept for Environmental Protection</b>                      Div of Waste Mngmt, Solid Waste Branch                      Frankfort Office Park                      14 Reilly Rd                      Frankfort, KY 40601                      Phone: (502) 564-6716                      Fax: (502) 564-4049  <a href="http://www.kdheks.gov/waste/index.html">http://www.kdheks.gov/waste/index.html</a></p>

**APPENDIX E (Continued)**  
**State Agricultural, Wildlife, Public Health & Solid Waste Contacts**

AGRICULTURE	WILDLIFE	PUBLIC HEALTH	SOLID WASTE
<b>LOUISIANA (LA)</b>			
<p><b>LA Dept of Ag &amp; Forestry</b>                      P.O. Box 631                      Baton Rouge, LA 70821-0631                      Phone: (225) 922-1234                      Fax: (225) 922-1253  <a href="http://www.ldaf.state.la.us/">http://www.ldaf.state.la.us/</a></p>	<p><b>LA Dept of Wildlife and Fisheries</b>                      P. O. Box 98000                      Baton Rouge, LA 70898-9000                      Phone: (225) 765-2623                      Fax: (225) 765-2607  <a href="http://www.wlf.state.la.us/">http://www.wlf.state.la.us/</a></p>	<p><b>LA Dept of Health &amp; Hospitals</b>                      P.O. Box 3214                      Baton Rouge, LA 70821                      Phone: (225) 342-8093                      Fax: (225) 342-8098  <a href="http://www.oph.dhh.state.la.us/">http://www.oph.dhh.state.la.us/</a></p>	<p><b>LA Dept of Environmental Quality</b>                      Office of Environmental Assessment                      Environmental Technology Div                      602 N. Fifth St                      Baton Rouge, LA 70802                      Phone: (225) 219-3406                      Fax: (225) 219-3474  <a href="http://www.deq.louisiana.gov/portal/">http://www.deq.louisiana.gov/portal/</a></p>
<b>MAINE (ME)</b>			
<p><b>ME Dept of Agr, Food &amp; Rural Resources</b>                      Deering Bldg (AMHI),                      #28 State House Station                      Augusta, ME 04333                      Phone: (207) 287-3419                      Fax: (207) 287-7548  <a href="http://www.maine.gov/agriculture/index.html">http://www.maine.gov/agriculture/index.html</a></p>	<p><b>ME Dept of Inland Fisheries &amp; Wildlife</b>                      284 State Street, Station #41                      Augusta, ME 04333                      Phone: (207) 287-5202                      Fax: (207) 287-6395  <a href="http://www.state.me.us/ifw/">http://www.state.me.us/ifw/</a></p>	<p><b>ME Dept of Human Services</b>                      157 Capitol St                      Augusta, ME 04333                      Phone: (207) 287-8016                      Fax: (207) 287-9058  <a href="http://www.state.me.us/dhs/boh">http://www.state.me.us/dhs/boh</a></p>	<p><b>ME Dept of Environmental Protection</b>                      Bureau of Remediation &amp; Waste Mngmt                      Div of Solid Waste Management                      17 State House Station                      Augusta, ME 04333-0017                      Phone: (207) 287-2651                      Fax: (207) 287-7826  <a href="http://www.maine.gov/dep/rwm/solidwaste/index.htm">http://www.maine.gov/dep/rwm/solidwaste/index.htm</a></p>
<b>MARYLAND (MD)</b>			
<p><b>MD Dept of Agriculture</b>                      50 Harry S. Truman Parkway                      Annapolis, MD 21401                      Phone: (410) 841-5880                      Fax: (410) 841-5914  <a href="http://www.mda.state.md.us/">http://www.mda.state.md.us/</a></p>	<p><b>Wildlife &amp; Heritage Service</b>                      MD Dept of Natural Resources                      580 Taylor Ave. E-1                      Annapolis, MD 21401                      Phone: (410) 260-8549                      Fax: (410) 260-8595  <a href="http://www.dnr.state.md.us/">http://www.dnr.state.md.us/</a></p>	<p><b>MD Dept of Health &amp; Mental Hygiene</b>                      201 W. Preston St, Ste 500                      Baltimore, MD 21201                      Phone: (410) 767-6500                      Fax: (410) 767-6489  <a href="http://www.dhmh.state.md.us/">http://www.dhmh.state.md.us/</a></p>	<p><b>MD Dept of the Environment</b>                      Waste Management Administration                      Solid Waste Program                      1800 Washington Blvd                      Baltimore, MD 21230-1719                      Phone: (410) 537-3318                      Fax: (410) 537-3842  <a href="http://www.mde.state.md.us/Programs/LandPrograms/Solid_Waste/home/index.asp">http://www.mde.state.md.us/Programs/LandPrograms/Solid_Waste/home/index.asp</a></p>
<b>MASSACHUSETTS (MA)</b>			
<p><b>MA Dept of Ag Resources</b>                      251 Causeway St, Ste 500                      Boston, MA 02114-2151                      Phone: (617) 626-1700                      Fax: (617) 626-1850  <a href="http://www.mass.gov/agr/">http://www.mass.gov/agr/</a></p>	<p><b>Division of Fisheries &amp; Wildlife</b>                      MA Dept of Fisheries, Wildlife &amp; Environmental                      Law Enforcement                      One Rabbit Hill Road                      Westborough, MA 01581                      Phone: (508) 792-7270                      Fax: (508) 792-7275  <a href="http://www.state.ma.us/dfwe/dfw">http://www.state.ma.us/dfwe/dfw</a></p>	<p><b>MA Dept of Public Health</b>                      250 Washington St, 2nd Floor                      Boston, MA 02108                      Phone: (617) 624-6000                      Fax: (617) 624-5206  <a href="http://www.state.ma.us/dph/dphhome.htm">http://www.state.ma.us/dph/dphhome.htm</a></p>	<p><b>MA Dept of Environmental Protection</b>                      Bureau of Waste Prevention                      Waste Branch, Regulatory Standards Unit                      One Winter St                      Boston, MA 02108                      Phone: (617) 292-5574                      Fax: (617) 292-5778  <a href="http://www.mass.gov/dep/recycle/">http://www.mass.gov/dep/recycle/</a></p>

**APPENDIX E (Continued)**  
**State Agricultural, Wildlife, Public Health & Solid Waste Contacts**

AGRICULTURE	WILDLIFE	PUBLIC HEALTH	SOLID WASTE
<b>MICHIGAN (MI)</b>			
<p><b>MI Dept of Agriculture</b>                      Box 30017                      525 W. Allegan                      Lansing, MI 48909                      Phone: (517) 373-1052                      Fax: (517) 335-1423  <a href="http://www.michigan.gov/mda">http://www.michigan.gov/mda</a></p>	<p><b>MI Dept of Natural Resources</b>                      P.O. Box 30028                      Lansing, MI 48909                      Phone: (517) 373-2329                      Fax: (517) 335-4242  <a href="http://www.michigan.gov/dnr">http://www.michigan.gov/dnr</a></p>	<p><b>MI Dept of Community Health</b>                      201 Townsend                      Lansing, MI 48913                      Phone: (517) 335-8165                      Fax: (517) 335-8263  <a href="http://www.michigan.gov/mdch">http://www.michigan.gov/mdch</a></p>	<p><b>MI Dept of Environmental Quality</b>                      Waste and Hazardous Materials Div                      Storage Tank &amp; Solid Waste Section                      P.O. Box 30241                      Lansing, MI 48909-7741                      Phone: (517) 335-4035                      Fax: (517) 373-4797  <a href="http://www.michigan.gov/deq/0,1607,7-135-3311--,00.html">http://www.michigan.gov/deq/0,1607,7-135-3311--,00.html</a></p>
<b>MINNESOTA (MN)</b>			
<p><b>MN Dept of Agriculture</b>                      90 West Plato Blvd                      St. Paul, MN 55107                      Phone: (651) 297-3219                      Fax: (651) 297-5522  <a href="http://www.mda.state.mn.us/">http://www.mda.state.mn.us/</a></p>	<p><b>Division of Fish and Wildlife</b>                      MN Dept of Natural Resources                      500 Lafayette Rd                      St. Paul, MN 55155-4007                      Phone: (651) 297-4218                      Fax: (651) 297-7272  <a href="http://www.dnr.state.mn.us/">http://www.dnr.state.mn.us/</a></p>	<p><b>MN Dept of Health</b>                      85 East 7th Place, Ste 400                      St. Paul, MN 55164                      Phone: (651) 215-5800                      Fax: (651) 215-5801  <a href="http://www.health.state.mn.us/">http://www.health.state.mn.us/</a></p>	<p><b>MN Pollution Control Agency</b>                      Municipal Div                      520 Lafayette Rd, North                      St. Paul, MN 55155                      Phone: (651) 296-7340                      Fax: (651) 297-8676  <a href="http://www.pca.state.mn.us/waste/index.html">http://www.pca.state.mn.us/waste/index.html</a></p>
<b>MISSISSIPPI (MS)</b>			
<p><b>MS Dept of Ag &amp; Commerce</b>                      121 N. Jefferson St                      Jackson, MS 39201                      Phone: (601) 359-1100                      Fax: (601) 354-7710  <a href="http://www.mdac.state.ms.us/">http://www.mdac.state.ms.us/</a></p>	<p><b>MS Dept of Wildlife, Fisheries &amp; Parks</b>                      2906 Building, P.O. Box 451                      Jackson, MS 39205                      Phone: (601) 432-2001                      Fax: (601) 432-2024  <a href="http://www.mdwfp.com/">http://www.mdwfp.com/</a></p>	<p><b>MS Dept of Health</b>                      2423 N. State St                      P. O. Box 1700                      Jackson, MS 39215                      Phone: (601) 576-7634                      Fax: (601) 576-7931  <a href="http://www.msdh.state.ms.us/">http://www.msdh.state.ms.us/</a></p>	<p><b>MS Dept of Environmental Quality</b>                      Office of Pollution Control                      Solid Waste Management Branch                      2380 Highway 80 W., P.O. Box 10385                      Jackson, MS 38289                      Phone: (601) 961-5304                      Fax: (601) 961-5785  <a href="http://www.deq.state.ms.us/MDEQ.nsf/page/SW_Home?OpenDocument">http://www.deq.state.ms.us/MDEQ.nsf/page/SW_Home?OpenDocument</a></p>
<b>MISSOURI (MO)</b>			
<p><b>MO Dept of Agriculture</b>                      P.O. Box 630                      Jefferson City, MO 65102                      Phone: (573) 751-3359                      Fax: (573) 751-1784  <a href="http://www.mda.mo.gov/">http://www.mda.mo.gov/</a></p>	<p><b>MO Dept of Conservation</b>                      P.O. Box 180                      Jefferson City, MO 65102-0180                      Phone: (573) 522-4115                      Fax: (573) 751-4467  <a href="http://www.mdc.mo.gov/">http://www.mdc.mo.gov/</a></p>	<p><b>MO Dept of Health &amp; Senior Services</b>                      912 Wildwood Dr                      Jefferson City, MO 65102                      Phone: (573) 751-6001                      Fax: (573) 751-6041  <a href="http://www.dhss.mo.gov/">http://www.dhss.mo.gov/</a></p>	<p><b>MO Dept of Natural Resources</b>                      Div of Environmental Quality                      Solid Waste Management Program                      1738 E. Elm St, P.O. Box 176                      Jefferson City, MO 65102                      Phone: (573) 526-3900                      Fax: (573) 526-3902  <a href="http://www.dnr.mo.gov/env/swmp/index.html">http://www.dnr.mo.gov/env/swmp/index.html</a></p>

**APPENDIX E (Continued)**  
**State Agricultural, Wildlife, Public Health & Solid Waste Contacts**

<b>AGRICULTURE</b>	<b>WILDLIFE</b>	<b>PUBLIC HEALTH</b>	<b>SOLID WASTE</b>
<b>MONTANA (MT)</b>			
<p><b>MT Dept of Agriculture</b>                      P.O. Box 200201                      Helena, MT 59620-0201                      Phone: (406) 444-3144                      Fax: (406) 444-5409  <a href="http://agr.mt.gov/">http://agr.mt.gov/</a></p>	<p><b>MT Dept of Fish, Wildlife &amp; Parks</b>                      P O Box 200701                      Helena, MT 59620-0701                      Phone: (406) 444-3186                      Fax: (406) 444-4952  <a href="http://fwp.state.mt.us/">http://fwp.state.mt.us/</a></p>	<p><b>MT Dept of Public Health &amp; Human Services</b>                      111 N. Sanders, 3rd Floor                      Helena, MT 59604                      Phone: (406) 444-5622                      Fax: (406) 444-1970  <a href="http://www.dphhs.state.mt.us/">http://www.dphhs.state.mt.us/</a></p>	<p><b>MT Dept of Environmental Quality</b>                      Permitting &amp; Compliance Div                      Waste &amp; Underground Tank Management Bureau                      P.O. Box 200901                      Helena, MT 59620-0901                      Phone: (406) 444-5300                      Fax: (406) 444-1374  <a href="http://www.deq.mt.gov/SolidWaste/index.asp">http://www.deq.mt.gov/SolidWaste/index.asp</a></p>
<b>NEBRASKA (NE)</b>			
<p><b>NE Dept of Agriculture</b>                      P.O. Box 94947                      301 Centennial Mall S., 4th Floor                      Lincoln, NE 68509-4947                      Phone: (402) 471-2341                      Fax: (402) 471-6876  <a href="http://www.agr.state.ne.us/">http://www.agr.state.ne.us/</a></p>	<p><b>NE Game &amp; Parks Commission</b>                      2200 North 33rd, Box 30370                      Lincoln NE 68510                      Phone: (402) 471-5539                      Fax: (402) 471-5528  <a href="http://www.ngpc.state.ne.us/default.asp">http://www.ngpc.state.ne.us/default.asp</a></p>	<p><b>NE Health &amp; Human Services System</b>                      P. O. Box 95007                      Lincoln, NE 68509                      Phone: (402) 471-8566                      Fax: (402) 471-9449  <a href="http://www.hhs.state.ne.us/">http://www.hhs.state.ne.us/</a></p>	<p><b>NE Dept of Environmental Quality</b>                      Waste Management Div                      1200 N St, Ste 400                      Lincoln, NE 68509-8922                      Phone: (402) 471-0001                      Fax: (402) 471-2909  <a href="http://www.deq.state.ne.us/">http://www.deq.state.ne.us/</a></p>
<b>NEVADA (NV)</b>			
<p><b>NV Dept of Agriculture</b>                      251 Jeanell Ave., Ste 3                      Carson City, NV 89703                      Phone: (775) 688-1180                      Fax: (775) 688-1178  <a href="http://agri.state.nv.us/">http://agri.state.nv.us/</a></p>	<p><b>NV Dept of Wildlife</b>                      1100 Valley Rd                      Reno NV 89512                      Phone: (775) 688-1599                      Fax: (775) 688-1595  <a href="http://www.ndow.org">http://www.ndow.org</a></p>	<p><b>NV State Health Div</b>                      505 E. King St, Rm 201                      Carson City, NV 89710                      Phone: (775) 684-4200                      Fax: (775) 684-4211  <a href="http://health2k.state.nv.us/">http://health2k.state.nv.us/</a></p>	<p><b>NV Div of Environmental Protection</b>                      Bureau of Waste Management                      Solid Waste Branch                      901 S. Stewart St, Ste 4001                      Carson City, NV 89701                      Phone: (775) 687-9467                      Fax: (775) 687-6396  <a href="http://ndep.nv.gov/bwm/bwm01.htm">http://ndep.nv.gov/bwm/bwm01.htm</a></p>
<b>NEW HAMPSHIRE (NH)</b>			
<p><b>NH Dept of Agriculture, Markets, &amp; Food</b>                      P.O. Box 2042                      Concord, NH 03302-2042                      Phone: (603) 271-3551                      Fax: (603) 271-1109  <a href="http://agriculture.nh.gov/">http://agriculture.nh.gov/</a></p>	<p><b>NH Fish &amp; Game Department</b>                      Hazen Dr                      Concord, NH 03301                      Phone: (603) 271-3422                      Fax: (603) 271-1438  <a href="http://www.wildlife.state.nh.us/">http://www.wildlife.state.nh.us/</a></p>	<p><b>NH Dept of Health &amp; Human Services</b>                      129 Pleasant St.                      Concord, NH 03301                      Phone: (603) 271-8560                      Fax: (603) 271-4912  <a href="http://www.dhhs.state.nh.us/">http://www.dhhs.state.nh.us/</a></p>	<p><b>NH Dept of Environmental Services</b>                      Waste Management Div                      Solid Waste Management                      6 Hazen Dr                      Concord, NH 03301-6509                      Phone: (603) 271-2925                      Fax: (603) 271-2456  <a href="http://www.des.state.nh.us/SW/">http://www.des.state.nh.us/SW/</a></p>



**APPENDIX E (Continued)**  
**State Agricultural, Wildlife, Public Health & Solid Waste Contacts**

AGRICULTURE	WILDLIFE	PUBLIC HEALTH	SOLID WASTE
<b>NEW JERSEY (NJ)</b>			
<p><b>NJ Dept of Agriculture</b>                      P.O. Box 330                      John Fitch Plaza                      Trenton, NJ 08625                      Phone: (609) 292-3976                      Fax: (609) 292-3978  <a href="http://www.state.nj.us/agriculture/">http://www.state.nj.us/agriculture/</a></p>	<p><b>NJ Div of Fish &amp; Wildlife</b>                      P.O. Box 400                      Trenton, NJ 08625                      Phone: (609) 292-9410                      Fax: (609) 292-8207  <a href="http://www.state.nj.us/dep/fgw/">http://www.state.nj.us/dep/fgw/</a></p>	<p><b>NJ Dept of Health &amp; Senior Services</b>                      P. O. Box 360, Rm 805                      Trenton, NJ 08625                      Phone: (609) 292-7837                      Fax: (609) 292-0053  <a href="http://www.state.nj.us/health">http://www.state.nj.us/health</a></p>	<p><b>NJ Dept of Environmental Protection</b>                      Solid &amp; Hazardous Waste Program                      P.O. Box 414                      Trenton, NJ 08625-0414                      Phone: (609) 633-1418                      Fax: (609) 777-0769  <a href="http://www.nj.gov/dep/dshw/">http://www.nj.gov/dep/dshw/</a></p>
<b>NEW MEXICO (NM)</b>			
<p><b>NM Dept of Agriculture</b>                      P.O. Box 30005, MSC: 3189                      Las Cruces, NM 88003-8005                      Phone: (505) 646-3007                      Fax: (505) 646-8120  <a href="http://www.nmda.nmsu.edu/">http://www.nmda.nmsu.edu/</a></p>	<p><b>NM Game &amp; Fish Dept</b>                      One Wildlife Wy                      Santa Fe, NM 87507                      Phone: (505) 476-8008                      Fax: (505) 476-8124  <a href="http://www.wildlife.state.nm.us">http://www.wildlife.state.nm.us</a></p>	<p><b>NM Dept of Health</b>                      1190 Saint Francis Dr                      Santa Fe, NM 87502                      Phone: (505) 827-2613                      Fax: (505) 827-2530  <a href="http://www.health.state.nm.us/">http://www.health.state.nm.us/</a></p>	<p><b>NM Environmental Dept</b>                      Environmental Protection Div                      Solid Waste Bureau                      1190 St. Francis Dr., P.O. Box 26110                      Santa Fe, NM 87503                      Phone: (505) 827-0197                      Fax: (505) 827-2902  <a href="http://www.nmenv.state.nm.us/swb/index.htm">http://www.nmenv.state.nm.us/swb/index.htm</a></p>
<b>NEW YORK (NY)</b>			
<p><b>NY Dept of Agriculture &amp; Markets</b>                      10B Airline Dr                      Albany, NY 12235                      Phone: (518) 457-4188                      Fax: (518) 457-3087  <a href="http://www.agmkt.state.ny.us/">http://www.agmkt.state.ny.us/</a></p>	<p><b>Div of Fish, Wildlife &amp; Marine Resources</b>                      NY Dept of Environmental Conservation                      625 Broadway, 5th Floor                      Albany, NY 12233-4750                      Phone: (518) 402-8924                      Fax: (518) 402-8925  <a href="http://www.dec.state.ny.us/">http://www.dec.state.ny.us/</a></p>	<p><b>NY Dept of Health</b>                      Empire State Plaza                      Corning Tower Bldg. 14th Floor                      Albany, NY 12237                      Phone: (518) 474-2011                      Fax: (518) 474-5450  <a href="http://www.health.state.ny.us/">http://www.health.state.ny.us/</a></p>	<p><b>NY Dept of Environmental Conservation</b>                      Div of Solid &amp; Hazardous Materials                      625 Broadway                      Albany, NY 12233-7250                      Phone: (518) 402-8651                      Fax: (518) 402-9024  <a href="http://www.dec.state.ny.us/website/dshmsldwaste/index.htm">http://www.dec.state.ny.us/website/dshmsldwaste/index.htm</a></p>
<b>NORTH CAROLINA (NC)</b>			
<p><b>NC Dept of Agriculture &amp; Consumer Services</b>                      1001 Mail Service Center                      Raleigh, NC 27699                      Phone: (919) 733-7125                      Fax: (919) 733-1141  <a href="http://www.ncagr.com/">http://www.ncagr.com/</a></p>	<p><b>NC Wildlife Resources Commission</b>                      512 N. Salisbury St                      Raleigh, NC 27604-1188                      Phone: (919) 733-3391                      Fax: (919) 733-7083  <a href="http://www.ncwildlife.org/">http://www.ncwildlife.org/</a></p>	<p><b>NC Dept of Health &amp; Human Services</b>                      101 Blair Dr                      Raleigh, NC 27626                      Phone: (919) 733-4261                      Fax: (919) 715-4645  <a href="http://www.state.nc.us/DHR">http://www.state.nc.us/DHR</a></p>	<p><b>NC Dept of Environ &amp; Nat Resources</b>                      Div of Waste Management                      Solid Waste Section                      1646 Mail Service Center                      Raleigh, NC 27699-1646                      Phone: (919) 508-8497                      Fax: (919) 733-4810  <a href="http://www.wastenotnc.org/swhome/swhome.htm">http://www.wastenotnc.org/swhome/swhome.htm</a></p>

**APPENDIX E (Continued)**  
**State Agricultural, Wildlife, Public Health & Solid Waste Contacts**

AGRICULTURE	WILDLIFE	PUBLIC HEALTH	SOLID WASTE
<b>NORTH DAKOTA (ND)</b>			
<p><b>ND Dept of Agriculture</b>                      Board of Animal Health                      600 E. Blvd Ave., Dept. 602                      Bismarck, ND 58505-0020                      Phone: (701) 328-2231                      Fax: (701) 328-4567  <a href="http://www.agdepartment.com/Programs/Livestock/BOAH/BOAH.html">http://www.agdepartment.com/Programs/Livestock/BOAH/BOAH.html</a></p>	<p><b>ND Game &amp; Fish Dept</b>                      100 North Bismarck Expressway                      Bismarck, ND 58501                      Phone: (701) 328-6351                      Fax: (701) 328-6352  <a href="http://gf.nd.gov/">http://gf.nd.gov/</a></p>	<p><b>ND Dept of Health</b>                      600 East Boulevard Avenue                      Bismarck, ND 58505                      Phone: (701) 328-2378                      Fax: (701) 328-4727  <a href="http://www.ndhealth.gov/">http://www.ndhealth.gov/</a></p>	<p><b>ND Dept of Health</b>                      Div of Waste Management                      918 E. Divide Ave                      Bismarck, ND 58501-1947                      Phone: (701) 328-5166                      Fax: (701) 328-5200  <a href="http://www.health.state.nd.us/WM/">http://www.health.state.nd.us/WM/</a></p>
<b>NORTHERN MARIANNA ISLANDS</b>			
<p><b>Director of Agriculture</b>                      Department of Lands &amp; Natural Resources                      P.O. Box 10007                      Saipan, MP 96950</p>	<p><b>Dept of Lands &amp; Natural Resources</b>                      P.O. Box 10007                      Saipan, MP 96950                      Phone: (670) 322-9834                      Fax: (670) 322-2633  <a href="http://www.dfw.gov.mp/default.htm">http://www.dfw.gov.mp/default.htm</a></p>	<p><b>Northern Marianna IIs Dept of Public Health</b>                      P.O. Box 500409                      Saipan, MP 96950                      Phone: (670) 234-8950                      Fax: (670) 234-8930  <a href="http://www.dphsaipan.com/">http://www.dphsaipan.com/</a></p>	<p><b>Commonwealth of the Northern Mariana IIs</b>                      Div of Environmental Quality                      3rd Floor Morgen's Bldg., San Jose                      P.O. Box 50134                      Saipan, MP 96950                      Phone: (670) 664-8500                      Fax: (670) 664-8540</p>
<b>OHIO (OH)</b>			
<p><b>OH Dept of Agriculture</b>                      8995 E. Main St                      Reynoldsburg, OH 43068-3399                      Phone: (614) 466-2732                      Fax: (614) 466-6124  <a href="http://www.ohioagriculture.gov/">http://www.ohioagriculture.gov/</a></p>	<p><b>OH Division of Wildlife</b>                      2045 Morse Rd, Bldg G                      Columbus, OH 43229-6605                      Phone: (614) 265-6304                      Fax: (614) 262-1143  <a href="http://www.dnr.state.oh.us/wildlife/default.htm">http://www.dnr.state.oh.us/wildlife/default.htm</a></p>	<p><b>OH Dept of Health</b>                      246 N. High St                      P. O. Box 118                      Columbus, OH 43266                      Phone: (614) 466-2253                      Fax: (614) 644-0085  <a href="http://www.odh.state.oh.us/">http://www.odh.state.oh.us/</a></p>	<p><b>OH Environmental Protection Agency</b>                      Div of Solid &amp; Infectious Waste Mngmt                      122 S. Front St, P.O. Box 1049                      Columbus, OH 43216-1049                      Phone: (614) 644-2621                      Fax: (614) 728-5315  <a href="http://www.epa.state.oh.us/">http://www.epa.state.oh.us/</a></p>
<b>OKLAHOMA (OK)</b>			
<p><b>OK Dept of Agriculture, Food, &amp; Forestry</b>                      P.O. Box 528804                      Oklahoma City, OK 73152-8804                      Phone: (405) 521-3864                      Fax: (405) 522-0909  <a href="http://www.oda.state.ok.us/">http://www.oda.state.ok.us/</a></p>	<p><b>OK Dept of Wildlife Conservation</b>                      P.O. Box 53465                      Oklahoma City, OK 73152-3465                      Phone: (405) 521-4660                      Fax: (405) 521-6505  <a href="http://www.wildlifedepartment.com/">http://www.wildlifedepartment.com/</a></p>	<p><b>OK Dept of Health</b>                      1000 N. East 10th St                      Oklahoma City, OK 73117                      Phone: (405) 271-5600                      Fax: (405) 271-3431  <a href="http://www.health.ok.gov/">http://www.health.ok.gov/</a></p>	<p><b>OK Dept of Environmental Quality</b>                      Waste Management Div                      707 N. Robinson, P.O. Box 1677                      Oklahoma City, OK 73102                      Phone: (405) 702-5100                      Fax: (405) 702-5101  <a href="http://www.deq.state.ok.us/lpdnew/swindex.html">http://www.deq.state.ok.us/lpdnew/swindex.html</a></p>

**APPENDIX E (Continued)**  
**State Agricultural, Wildlife, Public Health & Solid Waste Contacts**

AGRICULTURE	WILDLIFE	PUBLIC HEALTH	SOLID WASTE
<b>OREGON (OR)</b>			
<p><b>OR Dept of Agriculture</b>                      635 Capitol Street, NE                      Salem, OR 97301-2532                      Phone: (503) 986-4552                      Fax: (503) 986-4750  <a href="http://egov.oregon.gov/ODA/">http://egov.oregon.gov/ODA/</a></p>	<p><b>OR Dept of Fish &amp; Wildlife</b>                      3406 Cherry Ave N.E.                      Salem, OR 97303-4924                      Phone: (503) 947-6044                      Fax: (503) 947-6042  <a href="http://www.dfw.state.or.us/">http://www.dfw.state.or.us/</a></p>	<p><b>OR Dept of Health Services</b>                      800 NE Oregon St, Ste. 930                      Portland, OR 97232                      Phone: (503) 731-4000                      Fax: (503) 731-4078  <a href="http://www.oregon.gov/dhs">http://www.oregon.gov/dhs</a></p>	<p><b>OR Dept of Environmental Quality</b>                      Land Quality Div                      Solid Waste Policy &amp; Program Development                      811 S.W. Sixth Ave                      Portland, OR 97204                      Phone: (503) 229-5808                      Fax: (503) 229-6977  <a href="http://www.deq.state.or.us/wmc/solwaste/rsw.htm">http://www.deq.state.or.us/wmc/solwaste/rsw.htm</a></p>
<b>PALAU</b>			
<p><b>Republic of Palau</b>                      Office of the President                      PO Box 6051                      Palau, PW 96940                      P: (680) 488-2403/2828 F: (680) 488-2424/1662  <a href="http://www.palau.gov.net/minresources/agriculture.htm">http://www.palau.gov.net/minresources/agriculture.htm</a></p>	<p><b>Republic of Palau</b>                      Office of the President                      PO Box 6051                      Palau, PW 96940                      P: (680) 488-2403/2828 F: (680) 488-2424/1662  <a href="http://www.palau.gov.net/minjustice/DFWP/index.htm">http://www.palau.gov.net/minjustice/DFWP/index.htm</a></p>	<p><b>Republic of Palau</b>                      Office of the President                      PO Box 6051                      Palau, PW 96940                      P: (680) 488-2403/2828 F: (680) 488-2424/1662  <a href="http://www.palau.gov.net/minhealth/publichealth/index.htm">http://www.palau.gov.net/minhealth/publichealth/index.htm</a></p>	<p><b>Republic of Palau</b>                      Office of the President                      PO Box 6051                      Palau, PW 96940                      P: (680) 488-2403/2828 F: (680) 488-2424/1662  <a href="http://www.palau.gov.net/minresources/publicwrk.htm">http://www.palau.gov.net/minresources/publicwrk.htm</a></p>
<b>PENNSYLVANIA (PA)</b>			
<p><b>PA Dept of Agriculture</b>                      2301 N. Cameron St                      Harrisburg, PA 17110-9408                      Phone: (717) 7722853                      Fax: (717) 705-8402  <a href="http://www.agriculture.state.pa.us/">http://www.agriculture.state.pa.us/</a></p>	<p><b>PA Fish &amp; Boat Commission</b>                      P.O. Box 67000                      Harrisburg, PA 17106-7000                      Phone: (717) 657-4515 Fax: (717) 657-4033  <a href="http://www.state.pa.us/PA_Exec/Fish_Boat/pfbocho2.htm">http://www.state.pa.us/PA_Exec/Fish_Boat/pfbocho2.htm</a></p> <p><b>PA Game Commission</b>                      2001 Elmerton Ave                      Harrisburg, PA 17110-9797                      Phone: (717) 787-3633 Fax: (717) 772-0502  <a href="http://www.pgc.state.pa.us/">http://www.pgc.state.pa.us/</a></p>	<p><b>PA Dept of Health</b>                      P. O. Box 90, Room 802                      Harrisburg, PA 17108                      Phone: (717) 787-6436                      Fax: (717) 772-6959  <a href="http://www.health.state.pa.us/">http://www.health.state.pa.us/</a></p>	<p><b>PA Dept of Environmental Protection</b>                      Bureau of Land Recycling &amp; Waste Management                      Division of Municipal &amp; Residual Waste                      P.O. Box 8471                      Harrisburg, PA 17105-8471                      Phone: (717) 787-7381                      Fax: (717) 787-1749  <a href="http://www.depweb.state.pa.us/landrecwaste/cwp/view.asp?a=1216&amp;q=462227">http://www.depweb.state.pa.us/landrecwaste/cwp/view.asp?a=1216&amp;q=462227</a></p>
<b>PUERTO RICO (PR)</b>			
<p><b>PR Dept of Agriculture</b>                      P.O. Box 10163                      Santurce, PR 00908-1163                      Phone: (787) 722-0871                      Fax: (787) 723-8512  <a href="http://www.agricultura.gobierno.pr/">http://www.agricultura.gobierno.pr/</a></p>	<p><b>Marine Resources Division</b>                      PR Dept of Natural Resources                      P.O. Box 9066600                      San Juan, PR 00906-6600                      P: (787) 723-3090 F: (787) 724-0365  <a href="http://www.gobierno.pr/drna">http://www.gobierno.pr/drna</a></p>	<p><b>PR Dept of Health</b>                      P. O. Box 70184                      San Juan, PR 00936                      Phone: (787) 274-7602                      Fax: (787) 250-6547  <a href="http://www.salud.gov.pr/">http://www.salud.gov.pr/</a></p>	<p><b>Environmental Quality Board</b>                      Office of the Governor                      Land Pollution Area                      P.O. Box 11488                      Santurce, PR 00910                      P: (787) 763-4448 F: (787) 766-0150</p>

**APPENDIX E (Continued)**  
**State Agricultural, Wildlife, Public Health & Solid Waste Contacts**

AGRICULTURE	WILDLIFE	PUBLIC HEALTH	SOLID WASTE
<b>RHODE ISLAND (RI)</b>			
<p><b>RI Div of Agriculture, DEM</b>                      235 Promenade St, Rm 370                      Providence, RI 02908-5767                      Phone: (401) 222-2781                      Fax: (401) 222-6047  <a href="http://www.dem.ri.gov/programs/bnatres/agricult/index.htm">http://www.dem.ri.gov/programs/bnatres/agricult/index.htm</a></p>	<p><b>RI Div of Fish &amp; Wildlife</b>                      Stedman Government Center                      4808 Tower Hill Rd                      Wakefield, RI 02879                      Phone: (401) 789-3094                      Fax: (401) 783-4460  <a href="http://www.dem.ri.gov/programs/bnatres/fishwild/index.htm">http://www.dem.ri.gov/programs/bnatres/fishwild/index.htm</a></p>	<p><b>RI Dept of Health</b>                      3 Capitol Hill, Rm 401                      Providence, RI 02908                      Phone: (401) 222-2231                      Fax: (401) 222-6548  <a href="http://www.health.ri.gov/">http://www.health.ri.gov/</a></p>	<p><b>RI Dept of Environmental Management</b>                      Office of Waste Management                      235 Promenade St                      Providence, RI 02908                      Phone: (401) 222-2797                      Fax: (401) 222-3812  <a href="http://www.dem.ri.gov/programs/benviron/waste/index.htm">http://www.dem.ri.gov/programs/benviron/waste/index.htm</a></p>
<b>SOUTH CAROLINA (SC)</b>			
<p><b>SC Dept of Agriculture</b>                      Wade Hampton Office Building                      P.O. Box 11280                      Columbia, SC 29211                      Phone: (803) 734-2190                      Fax: (803) 734-2192  <a href="http://www.scda.state.sc.us/">http://www.scda.state.sc.us/</a></p>	<p><b>SC Dept of Natural Resources</b>                      P.O. Box 167                      Columbia SC 29202                      Phone: (803) 734-4007                      Fax: (803) 734-6310  <a href="http://water.dnr.state.sc.us/">http://water.dnr.state.sc.us/</a></p>	<p><b>SC Dept of Health &amp; Environmental Control</b>                      2600 Bull St                      Columbia, SC 29201                      Phone: (803) 898-3300                      Fax: (803) 898-3323  <a href="http://www.scdhec.net/">http://www.scdhec.net/</a></p>	<p><b>SC Dept of Health &amp; Environmental Control</b>                      Bureau of Land &amp; Waste Management                      Div of Mining &amp; Solid Waste Mngmt                      2600 Bull St                      Columbia, SC 29201                      Phone: (803) 896-4202                      Fax: (803) 896-4001  <a href="http://www.scdhec.gov/lwm/html/min.html">http://www.scdhec.gov/lwm/html/min.html</a></p>
<b>SOUTH DAKOTA (SC)</b>			
<p><b>SD Dept of Agriculture</b>                      523 E. Capitol                      Pierre, SD 57501-3182                      Phone: (605) 773-5425                      Fax: (605) 773-5926  <a href="http://www.state.sd.us/doa/">http://www.state.sd.us/doa/</a></p>	<p><b>SD Game, Fish and Parks Dept</b>                      523 E. Capitol                      Pierre, SD 57501-3182                      Phone: (605) 773-3387                      Fax: (605) 773-6245  <a href="http://www.state.sd.us/gfp/">http://www.state.sd.us/gfp/</a></p>	<p><b>SD Dept of Health</b>                      600 E. Capitol                      Pierre, SD 57501                      Phone: (605) 773-3361                      Fax: (605) 773-5683  <a href="http://www.state.sd.us/doh">http://www.state.sd.us/doh</a></p>	<p><b>SD Dept of Environmental &amp; Natural Resources</b>                      Div of Environmental Services                      Waste Management Program                      Foss Bldg, 523 E. Capitol                      Pierre, SD 57501-3182                      Phone: (605) 773-3153                      Fax: (605) 773-6035  <a href="http://www.state.sd.us/denr/des/WasteMgn/SWaste/SWpage1.htm">http://www.state.sd.us/denr/des/WasteMgn/SWaste/SWpage1.htm</a></p>
<b>TENNESSEE (TN)</b>			
<p><b>TN Dept of Agriculture</b>                      P.O. Box 40627                      Nashville, TN 37204                      Phone: (615) 837-5100                      Fax: (615) 837-5333  <a href="http://www.state.tn.us/agriculture/">http://www.state.tn.us/agriculture/</a></p>	<p><b>TN Wildlife Resources Agency</b>                      P.O. Box 40747                      Nashville, TN 37204                      Phone: (615) 781-6552                      Fax: (615) 781-6551  <a href="http://www.state.tn.us/twra/index.html">http://www.state.tn.us/twra/index.html</a></p>	<p><b>TN Dept of Health</b>                      3rd Floor Cordell Hull                      425 Fifth Ave, N.                      Nashville, TN 37247                      Phone: (615) 741-3111                      Fax: (615) 741-2491  <a href="http://tennessee.gov/health">http://tennessee.gov/health</a></p>	<p><b>TN Dept of Environ &amp; Conservation</b>                      Div of Solid &amp; Hazardous Waste Management                      5th Floor, L &amp; C Tower                      401 Church St                      Nashville, TN 37243-1535                      Phone: (615) 532-078                      Fax: (615) 532-0886  <a href="http://tennessee.gov/environment/swm/">http://tennessee.gov/environment/swm/</a></p>

**APPENDIX E (Continued)**  
**State Agricultural, Wildlife, Public Health & Solid Waste Contacts**

AGRICULTURE	WILDLIFE	PUBLIC HEALTH	SOLID WASTE
<b>TEXAS (TX)</b>			
<p><b>TX Dept of Agriculture</b>                      P.O. Box 12847                      Capitol Station                      Austin, TX 78711                      Phone: (512) 463-7476                      Fax: (512) 463-1104  <a href="http://www.agr.state.tx.us/">http://www.agr.state.tx.us/</a></p>	<p><b>TX Parks &amp; Wildlife Dept</b>                      4200 Smith School Rd                      Austin, TX 78744                      Phone: (512) 389-4802                      Fax: (512) 389-4814  <a href="http://www.tpwd.state.tx.us/">http://www.tpwd.state.tx.us/</a></p>	<p><b>TX Dept of State Health Svcs</b>                      1100 W. 49th St                      Austin, TX 78756                      Phone: (888) 963-7111                      Fax: (512) 458-7477  <a href="http://www.dshs.state.tx.us/">http://www.dshs.state.tx.us/</a></p>	<p><b>TX Commission on Environ Quality</b>                      Waste Permits (MC 126)                      P.O. Box 13087                      Austin, TX 78711-3087                      Phone: (512) 239-2334                      Fax: (512) 239-2007  <a href="http://www.tceq.state.tx.us/permitting/waste_permits/waste_planning/wp_swasteplan.html">http://www.tceq.state.tx.us/permitting/waste_permits/waste_planning/wp_swasteplan.html</a></p>
<b>UTAH (UT)</b>			
<p><b>UT Dept of Agriculture</b>                      P.O. Box 146500                      Salt Lake City, UT 8411                      Phone: (801) 538-7101                      Fax: (801) 538-7126  <a href="http://ag.utah.gov/">http://ag.utah.gov/</a></p>	<p><b>UT Div of Wildlife Resources</b>                      1594 W. North Temple, Ste 2110                      P.O. Box 146301                      Salt Lake City, UT 84114                      Phone: (801) 538-4703                      Fax: (801) 538-4709  <a href="http://wildlife.utah.gov/index.php">http://wildlife.utah.gov/index.php</a></p>	<p><b>UT Dept of Health</b>                      288 North 1460 ,West                      P. O. Box 142802                      Salt Lake City, UT 84114                      Phone: (801) 538-6111                      Fax: (801) 538-6306  <a href="http://health.utah.gov/">http://health.utah.gov/</a></p>	<p><b>UT Dept of Environmental Quality</b>                      Div of Solid &amp; Hazardous Waste                      P.O. Box 144880                      Salt Lake City, UT 84114-4880                      Phone:(801) 538-6170                      Fax: (801) 538-6715  <a href="http://www.hazardouswaste.utah.gov/SWBranch/SWSection/SolidWasteSection.htm">http://www.hazardouswaste.utah.gov/SWBranch/SWSection/SolidWasteSection.htm</a></p>
<b>VERMONT (VT)</b>			
<p><b>VT Agency of Agriculture, Food &amp; Markets</b>                      Drawer 20, 116 State St                      Montpelier, VT 05620                      Phone: (802) 828-2430                      Fax: (802) 828-2361  <a href="http://www.vermontagriculture.com/">http://www.vermontagriculture.com/</a></p>	<p><b>VT Dept of Fish &amp; Wildlife</b>                      103 S. Main St, 10 South                      Waterbury, VT 05671-0501                      Phone: (802) 241-3730                      Fax: (802) 241-3295  <a href="http://www.vtfishandwildlife.com/">http://www.vtfishandwildlife.com/</a></p>	<p><b>VT Dept of Health</b>                      108 Cherry St                      Burlington, VT 05402                      Phone: (802) 863-7280                      Fax: (802) 865-7754  <a href="http://www.healthvermont.gov">http://www.healthvermont.gov</a></p>	<p><b>VT Dept of Environ Conservation</b>                      Waste Management Div                      Solid Waste Management                      103 S. Main St                      Waterbury, VT 05671-0404                      Phone: (802) 241-2368                      Fax: (802) 241-3296  <a href="http://www.deq.state.va.us/waste/solid.html">http://www.deq.state.va.us/waste/solid.html</a></p>
<b>VIRGIN ISLANDS (VI)</b>			
<p><b>VI Dept of Agriculture</b>                      #1 Estate Lower Love                      St. Croix, VI 00850                      Phone: (340) 778-0997 Fax: (340) 778-7977  <a href="http://www.usvi.org/agriculture/index.html">http://www.usvi.org/agriculture/index.html</a></p>	<p><b>Div of Fish &amp; Wildlife</b>                      Dept of Planning &amp; Natural Resources                      6291 Estate Nazareth 101                      St. Thomas, VI 00802                      Phone: (340) 775-6762                      Fax: (340) 775-3972 <a href="http://www.dpnr.gov.vi">http://www.dpnr.gov.vi</a></p>	<p><b>VI Dept of Social &amp; Health Svcs</b>                      48 Sugar Estate                      St. Thomas, VI 00802                      Phone: (304) 774-0117                      Fax: (304) 773-4001  <a href="http://www.usvi.org/health/">http://www.usvi.org/health/</a></p>	<p><b>VI Dept of Planning &amp; Natural Resources</b>                      Div of Environmental Protection                      45 Mars Hill, Frederiksted                      St. Croix, VI 00840-4472                      Phone: (340) 773-1082                      Fax: (340)773-9310 <a href="http://www.dpnr.gov.vi">http://www.dpnr.gov.vi</a></p>

**APPENDIX E (Continued)**  
**State Agricultural, Wildlife, Public Health & Solid Waste Contacts**

<b>AGRICULTURE</b>	<b>WILDLIFE</b>	<b>PUBLIC HEALTH</b>	<b>SOLID WASTE</b>
<b>VIRGINIA (VA)</b>			
<p><b>VA Dept of Agriculture &amp; Consumer Svcs</b>                      1100 Bank St, Ste 210                      Richmond, VA 23219                      Phone: (804) 786-3501                      Fax: (804) 371-2945  <a href="http://www.vdacs.virginia.gov/">http://www.vdacs.virginia.gov/</a></p>	<p><b>VA Dept of Game &amp; Inland Fisheries</b>                      4010 W. Broad St, Box 11104                      Richmond, VA 23230                      Phone: (804) 367-9231                      Fax: (804) 367-0405  <a href="http://www.dgif.state.va.us/">http://www.dgif.state.va.us/</a></p>	<p><b>VA State Health Dept</b>                      1500 E. Main St                      P. O. Box 2448                      Richmond, VA 23218                      Phone: (804) 786-3561                      Fax: (804) 786-4616  <a href="http://www.vdh.state.va.us/">http://www.vdh.state.va.us/</a></p>	<p><b>VA Dept of Environmental Quality</b>                      Waste Division                      P.O. Box 10009                      629 E. Main St, 10th Floor                      Richmond, VA 23240-0009                      Phone: (804) 698-4145                      Fax: (804) 698-4234  <a href="http://www.deq.state.va.us/waste/solid.html">http://www.deq.state.va.us/waste/solid.html</a></p>
<b>WASHINGTON (WA)</b>			
<p><b>WA Dept of Agriculture</b>                      P.O. Box 42560                      Olympia, WA 98504-2560                      Phone: (360) 902-1887                      Fax: (360) 902-2092  <a href="http://agr.wa.gov/">http://agr.wa.gov/</a></p>	<p><b>WA Dept of Fish &amp; Wildlife</b>                      600 Capitol Way North                      Olympia WA 98501-1091                      Phone: (360) 902-2225                      Fax: (360) 902-2947  <a href="http://wdfw.wa.gov/">http://wdfw.wa.gov/</a></p>	<p><b>WA Dept of Health</b>                      101 Israel Rd SE                      Tumwater, WA 98501                      Phone: (360) 236-4501                      Fax: (360) 586-7424  <a href="http://www.doh.wa.gov/">http://www.doh.wa.gov/</a></p>	<p><b>WA Dept of Ecology</b>                      Waste Management Div                      Solid Waste &amp; Financial Svcs Program                      P.O. Box 47600                      Olympia, WA 98504-7600                      Phone: (360) 407-6103                      Fax: (360) 407-6102  <a href="http://www.ecy.wa.gov/programs/swfa/index.html">http://www.ecy.wa.gov/programs/swfa/index.html</a></p>
<b>WEST VIRGINIA (WV)</b>			
<p><b>WV Dept of Agriculture</b>                      1900 Kanawha Blvd East                      Charleston, WV 25305                      Phone: (304) 558-2201                      Fax: (304) 558-2203  <a href="http://www.wvagriculture.org/">http://www.wvagriculture.org/</a></p>	<p><b>Wildlife Resources Section</b>                      WV Div of Natural Resources                      1900 Kanawha Blvd, East                      Charleston WV 25305                      Phone: (304) 558-2771                      Fax: (304) 558-3147   <a href="http://www.wvdnr.gov">http://www.wvdnr.gov</a></p>	<p><b>WV Bureau for Public Health</b>                      350 Capitol St, Rm 702                      Charleston, WV 25301                      Phone: (304) 558-2971                      Fax: (304) 558-1035  <a href="http://www.wvdhhr.org/bph">http://www.wvdhhr.org/bph</a></p>	<p><b>WV Dept of Environmental Protection</b>                      Div of Water &amp; Waste Management                      601 57th Street SE Charleston, WV 25304                      Phone: (304) 926-0465                      Fax: (304) 926-0477  <a href="http://www.wvdep.org">http://www.wvdep.org</a></p>
<b>WISCONSIN (WI)</b>			
<p><b>WI Dept of Ag, Trade, &amp; Consumer Protection</b>                      2811 Agriculture Dr                      Madison, WI 53708                      Phone: (608) 224-5012                      Fax: (608) 224-5045  <a href="http://datcp.state.wi.us/index.html">http://datcp.state.wi.us/index.html</a></p>	<p><b>WI Dept of Natural Resources</b>                      Box 7921                      Madison, WI 53707-7921                      Phone: (608) 266-2621                      Fax: (608) 266-6983  <a href="http://www.dnr.state.wi.us/">http://www.dnr.state.wi.us/</a></p>	<p><b>WI Div of Public Health</b>                      1 W. Wilson St                      P.O. Box 2659                      Madison, WI 53701                      Phone: (608) 266-1251                      Fax: (608) 267-2832  <a href="http://www.dhfs.state.wi.us/">http://www.dhfs.state.wi.us/</a></p>	<p><b>WI Dept of Natural Resources</b>                      Bureau of Waste Management                      P.O. Box 7921                      Madison, WI 53707                      Phone: (608) 266-0014                      Fax: (608) 267-2768  <a href="http://www.dnr.state.wi.us/org/aw/wm/solid">http://www.dnr.state.wi.us/org/aw/wm/solid</a></p>

**APPENDIX E (Continued)**  
**State Agricultural, Wildlife, Public Health & Solid Waste Contacts**

AGRICULTURE	WILDLIFE	PUBLIC HEALTH	SOLID WASTE
<b>WYOMING (WY)</b>			
<p><b>WY Dept of Agriculture</b>                      2219 Carey Ave                      Cheyenne, WY 82002                      Phone: (307) 777-6569                      Fax: (307) 777-6593  <a href="http://wyagric.state.wy.us/">http://wyagric.state.wy.us/</a></p>	<p><b>WY Game &amp; Fish Dept</b>                      5400 Bishop Blvd                      Cheyenne, WY 82006                      Phone: (307) 777-4501                      Fax: (307) 777-4699  <a href="http://gf.state.wy.us/">http://gf.state.wy.us/</a></p>	<p><b>WY Dept of Health</b>                      Hathaway Bldg                      2400 Capitol Ave                      Cheyenne, WY 82002                      Phone: (307) 777-7656                      Fax: (307) 777-7439   <a href="http://wdh.state.wy.us/main/index.asp">http://wdh.state.wy.us/main/index.asp</a></p>	<p><b>WY Dept of Environmental Quality</b>                      Solid &amp; Hazardous Waste Div                      SW Permitting &amp; Corrective Action                      152 North Durbin, Ste 100                      Casper, WY 82601                      Phone: (307) 473-3450                      Fax: (307) 473-3458  <a href="http://deq.state.wy.us/shwd/Old%20Stuff/index_ol_d.asp?pageid=4">http://deq.state.wy.us/shwd/Old%20Stuff/index_ol_d.asp?pageid=4</a></p>