



Chronic Wasting Disease 2014 Order of General Quarantine

Bureau of Animal Health and Diagnostic Services



Chronic Wasting Disease (CWD) Facts

- Belongs to a family of diseases known as transmissible spongiform encephalopathies (TSEs)
- CWD susceptible species
 - Black-tailed deer, elk, moose, mule deer, red deer, sika deer, white-tailed deer, and hybrids of these species.
- CWD is identified as a dangerous transmissible disease under the Pennsylvania Domestic Animal Law.

CWD Facts

There is **no**:

- Treatment
- Vaccine
- *Accurate* live animal test
- Practical means of testing soil for the presence of the prion.



Market Confidence Issues

- A 2012 CWD-confirmed positive white tailed deer in a fully certified Pennsylvania herd.
- Definitive evidence of CWD transmission to a second deer in that herd.

Market Confidence Issues

- The failure to trace the positive farmed deer to its premises of origin.
 - HCP record-keeping deficiencies in some of the involved certified herds.
- CWD-confirmed positives (5) in Pennsylvania free-ranging deer in 2012 and 2013 with increased risks to captive cervids.
- Most recently, as of June 2014, (2) CWD-confirmed positives were found in a fully certified Pennsylvania herd.



CWD Positive Cervids In PA

Farmed Cervid Industry Impact

- Decline of interstate markets for Pennsylvania cervids
 - Loss of confidence in Pennsylvania's Herd Certification Program among trading partner states
 - Border closures to Pennsylvania cervidae by many trading partner states; including Ohio, Indiana, New York and Florida.
- Quarantines of the positive premises and linked herds can remain in effect up to five years.

2014 Chronic Wasting Disease Quarantine Order



Premises Identification

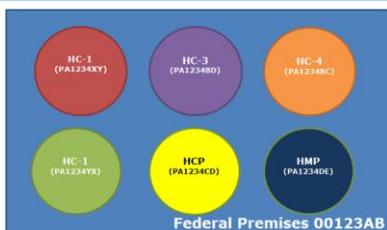
Each newly enrolled herd is assigned a Pennsylvania state premises identification number.

- **PA + six** alphanumeric characters (PA1234XY)
- This number is your herds' identification number and must be used on all program related paperwork and forms.

Each newly enrolled herd is assigned a Federal Premises identification number based on your premises geocoordinates

- **00 + five** alphanumeric characters (00123AB)
- A Federal Premises ID can encompass multiple PA state premises. **But YOUR herd identification is based on your individual herd PA Premises ID Number** for all program related paperwork and forms.

Premises Identification



- Background in solid blue is the Federal Premises Geocoded (00123AB)
- Individual circles are separate herds within the Federal Premises. They have their own individual PA Premises ID numbers and status.
- Keep in mind that each PA Premises (circle) must be separated, with a perimeter fence, by a minimum of 30 feet.



Premises Identification

In the previous slide the federal premises is represented by the large blue box.

A participant can have one **Federal Premises ID: 00123AB**

That one federal premises can contain multiple PA state premises IDs, represented by the individual color circles, listed below:

- HC-1 PA1234XY
- HC-2 PA1234YX
- HC-3 PA1234BD
- HC-4 PA1234BC
- HCP PA1234CD
- HMP PA1234DE

Premises Identification

There are multiple herds within the Federal Premises (represented by the large blue box)

- HC-1, HC-2, HC-3, HC-4, a HCP herd and a HMP herd.
- Each herd (represented by individual circles) requires a separate enrollment form and PA Premises Identification number.
- As pictured in the graphic slide, six (6) individual enrollment forms need to be submitted, one enrollment form for each individual herd (herd = circle).
- The perimeter fences of each individual herd must be separated by a minimum of 30 feet.

One Herd Per PA Premises ID



Currently Enrolled CWD Program Herds

Herds currently enrolled under the 2011 CWD General Quarantine Order:

- Current HCP herds may elect to enroll in the **voluntary** CWD Herd Certification Program (HCP) under the 2014 General Quarantine Order and maintain their HCP herd status.
- If they do not choose to enroll in the HCP, they must enroll in the mandatory Herd Monitoring Program (HMP)

Currently Enrolled CWD Program Herds

- **All premises** with one or more CWD-susceptible species must elect a level of participation (HCP/HMP) and **enroll prior to August 1, 2014**.
- Herds enrolled under the 2014 HCP may request a change in their anniversary date to synchronize inventory verification and TB/Brucellosis program disease testing activities. This request must be submitted in writing.



New CWD Herd Enrollment

New Herds

- New herds that elect the Herd Certification Program (HCP) must start at year 1 in the 5 year certification process.
- Premises Enrollment Pre-Approval
 - A new premises **must** submit to a **department pre-inspection before receiving** any CWD susceptible species, failure to do so will result in the penalties defined under the 2014 CWD Quarantine Order.



Enrollment Forms

Enrollment forms may be obtained:

- At www.agriculture.pa.state.us
- Call 717.783.5309
- Email cwd_inventory@pa.gov
- Mail request to:

CWD Program Manager
2301 North Cameron St.
Harrisburg, PA 17110-9408



Required Program Participant Information

All CWD Enrollment Forms require the following information

- Designation of CWD Herd Program
 - New CWD Program Herd
 - HMP Herd Status or HCP Herd Status
 - Re-Enrollment of CWD Program Herd
 - HMP Herd Status or HCP Herd Status
- Required Program Participant Information:
 - Name of CWD Program Participant to appear on the certificate
 - PA Premises Identification Number
 - Business Name of Participant, if any
 - Mailing Address
 - CWD Premises Address (physical location of the herd)
 - Cervidae Livestock Operations License status and number



Required Program Participant Information

- Program owners names, mailing addresses, telephone numbers (home, work and mobile) and email addresses, if available
- Authorized Agents (Herd owner designated individuals that can act on the owners behalf regarding paperwork filed with the department)
 - Names, mailing addresses, telephone numbers (home, work and mobile) and email addresses, if available
- Location, address, at which required records for the CWD program will be kept for a minimum of 5 years.
- Disclose any other CWD herds at this same location and their PA Premises Identification Numbers
- Signature of owners and type of business structure – Sole Proprietor, Partnership, Corporation or Limited Liability Company (LLC)



Enrollment Form Submission

Enrollment Forms with the original signatures must be returned to:

Commonwealth of Pennsylvania
Department of Agriculture
Bureau of Animal Health and Diagnostic Service
2301 North Cameron Street
Harrisburg, Pennsylvania 17110-9408

****If you are a current HCP herd** and want to remain a HCP herd re-enrollment forms must be submitted to the address above before August 1, 2014. **Failure to submit this form before August 1, 2014 will result in automatic enrollment into the Herd Monitored Program****



Herd Certification Program



Herd Certification Program (HCP)

- The CWD HCP is **voluntary**.
- The program participant **elects** to enroll as an HCP herd.
- The department may take discretionary actions if the program participant fails to meet program requirements:
 - Reduction in status
 - Removal from HCP and placement in the HMP



Herd Certification Program (HCP)

HCP herds previously enrolled and in compliance under the 2011 Order of General Quarantine may enroll and retain their status if they agree to comply with the 2014 Order of General Quarantine.

- Herds that withdraw must enroll in the HMP
- Subsequent enrollment in the HCP for herds that withdraw will start at HC-1 status.

Newly assembled herds with HCP herd origin animals.

- Herd status determined by the lowest status deer in the assembled herd.



Herd Certification Program (HCP)

Certification Status:

- HC-1 (0 -12 months of compliant participation)
- HC-2 (13 to 24 months of compliant participation)
- HC-3 (25 to 36 months of compliant participation)
- HC-4 (37 to 48 months of compliant participation)
- HC-5 (48 to 60 months of compliant participation)
- Fully Certified – Herd must remain free of CWD and in full compliance with the program.



Mortality Testing

ALL CERVIDS 12 MONTHS OF AGE AND OLDER MUST BE TESTED FOR CWD

Including but not limited to:

- **ALL** CWD suspects as described
- **ALL** cervids 12 months of age or older and sent to a slaughter facility
- **ALL** cervids 12 months of age or older that **died for any reason**.



Immediate Mandatory Reporting

It is the program participant's duty to **immediately report** to the department:

- **Suspect Cervid** – any cervid showing signs of CWD which include drooling, staggering, unusual behavior, wasting.
- **Decomposed Cervid** – any cervid in advanced state of decomposition must be reported to the herd's designated regional office within 48 hours.

The department's regional staff will make determination on sampling, testing and carcass disposal.



Failure to Report

Failure to follow reporting protocols for CWD suspect cervids and/or decomposed cervids will result in:

- the department taking action with reduction in status
- loss of HCP enrollment and placement in the Herd Monitored Program.

Criminal and civil penalties may be imposed



Submission of CWD Suspects Option 1

After notifying the Department of Agriculture:

- Collect entire carcass or head with identification devices attached in place and deliver for testing within 72 hours

Chain of custody and submission forms must be completed.



Submission of CWD Suspects Option 2

Participants can also arrange for collection of tissues by one of the following:

- USDA Category II Accredited Veterinarian
- **Authorized state official** – not a CWD sampling technician (CCT)
- Authorized federal official

Chain of custody and submission forms must be completed.



HCP NON-SUSPECT CWD Cervid Deaths

Reporting and Testing Requirements

All cervids 12 months of age and older, sent to a slaughter facility or having died for any reason, must be tested for CWD

- Participant must file a **10 Day Death Record** for all HCP cervid deaths 12 months of age and older
- Samples must be **collected and preserved** within 72 hours and submitted to laboratory within 30 days
 - Samples must be taken by an active CCT in good standing with the Department of Agriculture
- Chain of custody and submission forms must be completed



Submission of Tissue Protocol

Tissues may be collected by:

- USDA Category II Accredited Veterinarian
- Authorized state official
- Authorized federal official
- Department-Certified CWD Sampling Technician (CCT)

Chain of custody and submission forms must be completed.



Alternative to Sampling

As an alternative to sampling, the entire carcass or head may be delivered to an approved laboratory for sampling and testing within three days.

- Antlers or any other parts will not be returned once it's received by the lab.

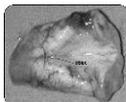
Chain of custody and submission forms must be completed.



CWD Sampling Procedures (HCP and HMP)

Required CWD Samples

Obex



Medial
Retropharyngeal
Lymph Nodes



And a small portion of the ear or skin attached to the identification device (preserved by freezing, **not** formalin).



CWD Sampling Procedures (HCP and HMP)

Sample quality is the responsibility of the program participant. **Failure** of a participant to properly submit samples in good condition, with identification, accurate chain of custody and submission form is in program non-compliance.

Program non-compliance may result in:

- **Loss** of program status
- **Loss** of HCP enrollment
- **Criminal and/or civil penalties**



HCP Identification Requirements

Individual Animal Identification Requirements for Certified Herds:

- All animals transported regardless of age
- All animals in the Herd Certification Program 12 months of age or older

All Herd Certification Program animals must meet the following individual animal identification requirements.

- At least two forms of tamper-resistant identification
 - USDA official identification
 - Secondary identification may be unofficial (ex. farm tag) but must tamperproof and unique to each individual animal in the herd. Secondary ID cannot be duplicated in the herd.



Herd Certification Program (HCP) Official ID

Official Forms of Identification

- Tattoos
 - Must be **unique** and **legible**
 - Must be approved by PDA **and** USDA
- An Electronic Implant Device
 - Electronic implant device, such as a microchip with a nationally unique 15 digit number starting with '840'
 - Appropriate reader must be immediately available wherever the animal is located



Herd Certification Program (HCP) Official ID

USDA issued ear tag bearing a unique official number and the US shield. That utilizes one of the following number systems.

- Uniform Ear-tagging System (NUES). A USDA alpha-numeric 9 digit silver metal tag, also known as a "brite" tag with an official shield on the front or back of the tag (Example: 60ABC0502)
 
- Animal Identification Number (AIN) bearing 15 digits starting with '840'. Non-'840' AIN tags applied **before** March 11, 2015. **After March 11, 2015 you may only use ID tags starting with '840'** (Example: 840003123456789)
 

'840' tags are no longer available through the department



Herd Certification Program (HCP) Official ID

Official Forms of ID:

- Premises-based numbering system using Premises Identification Number (PIN) in conjunction with a livestock production numbering system
 - Any other state **and** federally approved numbering system.
- Official ID tags **can be used for one animal only**. You cannot re-issue any form of Official ID to another animal

It is illegal to remove Official ID for ANY reason



HCP Recordkeeping Requirements

Program participant must maintain up-to-date herd inventory records

- Five year record retention requirement for all herd related documents
- Records must be made available to the department upon request
- Annual inventories must be filed on forms provided by the department. Any other form, spreadsheet or personal inventory keeping system will not be accepted

Forms are available at www.agriculture.state.pa.us or the Department of Agriculture, 2301 Cameron St., Harrisburg, PA 17011



HCP Recordkeeping Requirements

Program participant must maintain up-to-date herd inventory records

- Herd Annual Inventory must be submitted to the department by the last day of the month when the anniversary date falls (Example: If your CWD anniversary date is March 15, your annual inventory must be submitted to the department by March 31)
- Erroneous, illegible or incomplete records will be returned to the participant for correction and re-submission
- Failure to follow the HCP Recordkeeping Requirements can result in loss of status, criminal and/or civil penalties
- Herd annual inventories are to be sent to the Harrisburg office, they will no longer be accepted at the time of inspection nor in the regional offices.



HCP Documentation Requirements

HCP Documentation Requirements

- Official identification number of each cervid in the herd 12 months of age and older
- Secondary/Unofficial identification – must have either a second official identification number meeting Federal Traceability Rule requirements or unofficial identification unique to the animal in the herd (Example: Farm Tag)
- Sex, date of birth and species
- Records of all animals born on your premises (born on farm)



HCP Documentation Requirements

Documentation Requirements

- Dates of arrival and source herd information for any live additions into your herd from another herd (excluding cervids born on your farm)
- Full source herd contact information, CWD Status, PA Premises ID and type of transaction
- Full contact information and pertinent license numbers of dealer, hauler or broker if used
- Copies of Bill of Sale, Bill of Lading, Certificate of Veterinary Inspection (CVI) and any other transaction related documentation
- Copies of 10-Day HCP Movement Records



HCP Documentation Requirements

Documentation Requirements

- Date of departure and destination of any live cervid leaving the herd (all ages included)
 - Full destination herd contact information, CWD Status, PA Premises ID and type of transaction
 - Full contact information and pertinent license numbers of dealer, hauler or broker if used
 - Copies of Bill of Sale, Bill of Lading, Certificate of Veterinary Inspection (CVI) and any other transaction related documentation
- Copies of 10 Day HCP Movement Records



HCP Documentation Requirements

Documentation Requirements

- Records of all animals that have died in the herd regardless of age
 - CWD test results for all cervids 12 months of age and older
 - 10 Day Death Record for all cervid deaths 12 months of age and older
 - 10 Day Death Record, 10 Day Movement Record and CWD testing results for all cervids 12 months of age and older sent to slaughter



HCP Movement of Cervids

Reporting Movement of HCP Cervids

Participants must report all live animal movements onto and off of their premises within 10 business days to the department (excluding Born on Farm)

- Participant must file a **10 Day Movement Record Form** with the department and attach copies of Bill of Sale, Bill of Lading, CVI and any other transaction related documentation.
- The **10 Day Movement Record Form** is available through the department
- Participants must also report all animal movement on their annual inventory



HCP Movement of Cervids

Reporting Movement of HCP Cervids

- Participants must also report all animals moving from one program premises to another program premises under the same ownership.

Failure to file these forms within 10 business days can result in reduction of herd status, removal from the HCP program and placement in HMP program. Civil and Criminal penalties may also be imposed.



HCP Movement of Cervids

Reporting Movement of HCP Cervids

- Required information for both **premises of origin** and **premises of destination**
 - Name, address, phone numbers for all parties involved in the transaction
 - PA Premises ID and Herd Status
 - Federal Premises ID if animal is moving into or out-of-state
- If a dealer, hauler and/or broker is used you must include full contact information and license number
- Physical Address, PA Premises ID, PA Premises Herd Status and contact information for **ANY** temporary holding facilities or stop-overs prior to reaching final destination



HCP Movement of Cervids

Reporting Movement of HCP Cervids

- Animal information is required for movement
 - Official identification
 - Secondary official or unofficial identification
 - Sex, date of birth, species
 - Bill of Sale, Bill of Lading and CVI

Interstate movements must meet Federal Traceability Rule requirements.



HCP Movement of Cervids

Reporting Movement of HCP Cervids

For animals going to slaughter: The participant must provide name and address of the slaughter facility

- Bill of Sale and/or Bill of Lading
- Animal Official/Secondary Identification
- Sex, Date of Birth and Species
- File a 10 Day Movement Record
- File a 10 Death Record
- Arrange for CWD testing of all animals 12 months of age and older



HCP Movement of Cervids

HCP cervids going to slaughter must be tested for CWD. It is the participant's responsibility to arrange for proper samples to be taken, sample submission to an approved laboratory and maintaining CWD test records with their ongoing recordkeeping.

These deaths and CWD test results will also be submitted on their annual herd inventory.



HCP Reporting Theft or Escape

Reporting Thefts, Escapes or Wild Cervid Entry

- Must be **reported** by the participant to the closest regional office **within 48 hours** of theft or escape via phone, email and or walk-in
- **10 Day Escape/Theft /Ingress Notification Form** must be completed and submitted to the regional office designated on the form. This form is available by contacting your regional office
- Escapes from a HCP herd will not be allowed to return to the HCP Premises. Once a certified cervid escapes a HCP premises it is no longer a certified cervid and **re-entry will result in Whole Herd loss of status**



WHOLE HERD INVENTORY VERIFICATION

- Under the 2014 CWD Quarantine Order all herds participating in the HCP program will undergo a mandatory whole herd inventory verification.
- Whole Herd Inventory Verification can only be performed by a USDA Category II Accredited Veterinarian and reported on department forms.
- Whole Herd Inventory Verification can be achieved through either Hands-on-Verification or Visual Verification.



HCP Hands-on-Verification

Hands-on Verification

- Can only be performed by a USDA Category II Accredited Veterinarian
 - Individual restraint of each cervid over 12 months of age
 - Verification of all forms of identification
 - Performed at least once **every three years**



HCP Visual Verification

Visual Verification

- **Performed annually**, by a USDA Category II Accredited Veterinarian
 - One form of distance visual, program approved identification must be viewed and confirmed for each animal. Animals that do not meet this requirement must be restrained or tranquilized with identification confirmed by "hands on" methods.



HCP Inventory Verification

Whole Herd Inventory Verification

- The program participant is responsible for:
 - Assembling the herd for an acceptable inventory to be conducted
 - Restraint, handling, tranquilization and any associated risk in dealing with live animals
 - Reconciliation of any kind of herd inventory data discrepancies. The inability to reconcile an inventory with a visual or hands-on verification is a violation of the quarantine order



HCP Inventory Verification

- All inventory corrections must be made within a time frame acceptable to the Department of Agriculture.
- A regulatory inventory may be ordered by state or federal officials in the event of compliance issues
- Herd owner may then elect to "reset" anniversary to coincide with other herd health activities, such as TB/Bruc testing.



HCP Program Inspections

PDA Program Inspections

- Will occur annually with additional inspections as necessary to assure compliance.
- Does not** serve as a substitute for the whole herd visual or a hands-on inventory verification performed by a USDA Category II Accredited Veterinarian.

May include:

- Records review
- Animal identification observation
- Fence inspection
- Other areas within the scope of the quarantine order



HCP Fencing Requirements

Fencing Requirements have not changed.

- Minimum of 8 feet in height – 10 feet is recommended
- Shall prevent ingress and egress of cervids.



HCP Movement

All cervid movement or transfer must be between enrolled CWD program participants.

The movement needs to be documented on the 10-Day Movement Record form and submitted to the Department of Agriculture within 10 business days.

All movements or transfers must be reported on your annual inventory.



HCP Intrastate Movement

Permissible Movement or Transfer of HCP Cervids:

- HCP program animal to an HMP program premises
- HCP program animal to an equal or lower status HCP premises (Intrastate movement only)
- Only 5 year fully certified cervids may move interstate

Non-Permissible Movement or Transfer of HCP Cervids:

- Lower Status HCP program animal to a Higher Status HCP premises
- HMP program animal to a HCP premises



HCP Movement Warnings

Once a HCP Cervid is exposed to a non-HCP environment including HMP premises of any kind, other HMP herds and/or exhibitions with HMP cervids, it **can not return** to an HCP herd.

If a certified cervid enters an HMP environment or premises it may not return to an HCP herd.

Failure to submit a movement record within the 10 days, is a **violation** of the 2014 CWD Quarantine Order, and could result in loss of status.



HCP Interstate Movement

Any cervid moved interstate must meet all identification requirements

- Two forms of tamper-resistant ID
- At least one form must be official
- Second form must be unique to the animal in the herd (origin as well as destination herd)
- Movement shall be documented per the 2014 Quarantine Order within 10 days and annually
- Bill of sale shall be created for all transactions associated with interstate movement.



Interstate Movement

All animals moving in or out of the Commonwealth of Pennsylvania must be listed on a Certification of Veterinary Inspection (CVI).



Herd Monitoring Program

Herd Monitoring Program (HMP)

The Pennsylvania CWD HMP is the mandatory program for all individuals maintaining CWD-susceptible captive cervids. Enrollment deadline is **August 1, 2014**.

- Participants electing the HMP program must submit an enrollment form
- Obtain a PA Premises Identification Number
- New herds and premises **must** submit to a **department pre-inspection** before receiving any CWD susceptible species.



HMP Immediate Mandatory Reporting

- Report all suspect cervids to the department.
- All suspect cervids shall be sampled and tested when death occurs.
- Contact the department within 48 hours for cervids in an advanced state of decomposition.
- Maintain carcass and parts on premises pending receipt of test results.
- Sample and test at least 50% of cervid mortalities (12 months and older) including harvesting, hunting, culling, slaughter, and trauma. This testing must include all CWD suspects.



Herd Monitoring Program

HMP testing requirement for other dead cervids - harvesting, hunting, culling, slaughter and trauma.

- These cervids must be sampled at a level that meets or exceeds 50% of total herd mortalities and includes all CWD suspects.
- Chain of custody and submission form requirements apply to all tissues/parts/carcasses submitted for testing.



Herd Monitoring Program

Animal Identification Requirements

- Applies **only** to cervids from the enrolled premises that are transported or tested.
- Transported animals must have one form of USDA approved official animal identification.
- Official identification shall not be removed and shall remain in place on heads and carcasses or be submitted with tissues collected for testing.



HMP Recordkeeping

Inventory records must be maintained for **five** years on forms as part of the ongoing recordkeeping requirements.

Records include:

- All annual inventory records
- Bills of Sale, Bills of Lading and CVI
- All applicable movement records
- All CWD test results
- Any and all records regarding escapes, thefts and wild ingress.



HMP Ongoing Recordkeeping

HMP **Ongoing** Recordkeeping:

- Estimate herd size
- Official Identification if assigned
- Sex, date of birth and species
- Contact information for herd additions and deletions.
- HMP herds that receive cervids from HCP herds must report the information on the Department of Agriculture's official movement forms within 10 days of movement.
- Date of death and CWD test results where applicable (50% testing requirement)
- Escapes, thefts and wild ingress into the herd.



HMP Movement

- HMP animals cannot leave the Commonwealth of Pennsylvania.
- Only 5-year fully certified cervids are eligible to move interstate.
- HMP herd participants may purchase HCP cervids from out-of -state and bring them onto their premises.
- Bills of Sale are required for all cervid movements or transfers.



HMP Movement

Permissible Movement or Transfer of HMP Enrolled Cervids:

- HCP program animal to an HMP program premises (10-day movement record requirement)
- HMP program animal to an HMP program premises

Non-Permissible Movement or Transfer of HMP Cervids:

- HMP program animal to a HCP premises

No interstate movement for HMP animals



Herd Monitoring Program

Noncompliance may result in criminal or civil penalties under the Pennsylvania Domestic Animal Law.



Herd Monitoring Program

Thefts and escapes shall be reported to the PDA Regional Office within 48 hours via phone or email.

- Written report submitted to Regional Office within 10 days

Ingress of wild cervid reported within 48 hours

- Written report submitted to Regional Office within 10 days addressing cause, corrective actions and preventive measures.

HMP inspections are at the discretion of the department

- Records review
- Whole herd inventory
- Fences – 8 feet minimum height – 10 feet recommended, must prevent ingress and egress



Contact Information

For more information or questions, contact the Pennsylvania Department of Agriculture, Bureau of Animal Health and Diagnostic Services:

2301 North Cameron St.
Harrisburg, PA 17110
Call 717-783-5309 or email
[cwg_inventory@pa.gov](mailto:cwd_inventory@pa.gov)

