# Follow-up report No.4


## Report Summary

<table>
<thead>
<tr>
<th>Name of sender of the report</th>
<th>Dr. Rebecca Jones</th>
</tr>
</thead>
<tbody>
<tr>
<td>Position</td>
<td>VS-SP-CEAH Epidemiologist</td>
</tr>
<tr>
<td>Address</td>
<td>2150 Centre Ave, Bldg B Fort Collins, Colorado  80526-8117</td>
</tr>
<tr>
<td>Telephone</td>
<td>1 (970) 494-7196</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:Rebecca.D.Jones@usda.gov">Rebecca.D.Jones@usda.gov</a></td>
</tr>
<tr>
<td>Date submitted to OIE</td>
<td>07/05/2020</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Animal type</th>
<th>Terrestrial</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of report</td>
<td>07/05/2020</td>
</tr>
<tr>
<td>Disease</td>
<td>Highly pathogenic avian influenza</td>
</tr>
<tr>
<td>Date of start of the event</td>
<td>06/04/2020</td>
</tr>
<tr>
<td>Causal Agent</td>
<td>Highly pathogenic avian influenza virus</td>
</tr>
<tr>
<td>Date of confirmation of the event</td>
<td>08/04/2020</td>
</tr>
<tr>
<td>Serotype(s)</td>
<td>H7N3</td>
</tr>
<tr>
<td>Date of last occurrence</td>
<td>11/08/2017</td>
</tr>
<tr>
<td>Reason</td>
<td>Recurrence of a listed disease</td>
</tr>
<tr>
<td>Country or zone</td>
<td>a zone or compartment</td>
</tr>
<tr>
<td>Number of reported outbreaks</td>
<td>submitted= 1, Draft= 0</td>
</tr>
</tbody>
</table>

### Outbreak details

**State**: South Carolina- other report - submitted  
**Number of outbreaks**: 1  
**County**: Chesterfield  
**Unit Type**: Farm  
**Location**: Chesterfield County  
**Latitude**: 34.735  
**Longitude**: -80.076  
**Start Date**: 06/04/2020  
**End Date**:  

**Species**: Birds  
**Measuring units**: Animals  
**Susceptible**: 34160  
**Cases**: 1583  
**Deaths**: 1583  
**Killed and disposed of**: 32577  
**Slaughtered**: 0  
**Affected Population**: Commercial meat-type turkey flock

### Outbreak summary: Total outbreaks = 1 (Submitted)

**Species**: Birds  
**Susceptible**: 34160  
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**Slaughtered**: 0

### Epidemiology

**Epidemiological comments**

7 May 2020 update: The positive premises in South Carolina still remains quarantined. Cleaning is in progress and virus elimination activities are pending.

Virus has been successfully isolated from multiple houses on the affected South Carolina premises as well. The hemagglutinin gene sequence from virus isolated in three of the five houses was consistent with H7N3 LPAI of North American wild bird origin (IVPI=0.0). The hemagglutinin gene sequence from virus isolated from a fourth house was consistent with H7N3 HPAI (IVPI=2.47). No virus was isolated from one house.

Routine passive and active surveillance for the National Poultry Improvement Plan (NPIP) avian influenza programs is ongoing state-wide in South Carolina.

The USDA Animal Plant Health Inspection Service (APHIS) and South Carolina State Veterinarian’s Office, part of Clemson University Livestock Poultry Health (CULPH), continue conducting a comprehensive epidemiological investigation and enhanced surveillance in the area.

* Source of the outbreaks or origin of infection
  - Unknown or inconclusive

### Measures applied

**Applied**

- movement control inside the country
- surveillance outside containment and/or protection zone
- surveillance within containment and/or protection zone
- quarantine
- official disposal of carcasses, by-products and waste
- stamping out
- zoning

**Animals treated**

- Vaccination Prohibited

**To be applied**

- disinfection

### Laboratory diagnostic test results

**Laboratory Type** | **Name of Laboratory** | **Species** | **Test Type** | **Date results provided** | **Result**
---|---|---|---|---|---

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<table>
<thead>
<tr>
<th>Laboratory Type</th>
<th>Name of Laboratory</th>
<th>Species</th>
<th>Test Type</th>
<th>Date results provided</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>National laboratory</td>
<td>National Veterinary Services Laboratories</td>
<td>Birds</td>
<td>virus isolation</td>
<td>11/04/2020</td>
<td>Positive</td>
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</tbody>
</table>

**Future Reporting**

The event is continuing. Weekly follow-up reports will be submitted.