**Report Summary**

**Name of sender of the report:** Dr Nigel Gibbens  
**Position:** Chief Veterinary Officer  
**Telephone:** +442072386495  
**Fax:** +442072385875  
**Email:** nigel.gibbens@defra.gsi.gov.uk

**Address:**  
Food and Farming Group  
Area 5B, Nobel House  
17 Smith Square  
LONDON SW1P 3JR

**Report Reference:** REF OIE 16542, **Report Date:** 17/11/2014, **Country:** United Kingdom

**Report Summary**

**Animal type:** Terrestrial  
**Date of report:** 17/11/2014  
**Disease:** Highly pathogenic avian influenza  
**Date of start of the event:** 14/11/2014  
**Causal Agent:** Highly pathogenic avian influenza virus  
**Date of pre-confirmation of the event:** 16/11/2014  
**Serotype(s):** H5  
**Date of last occurrence:** 20/08/2008  
**Reason:** Recurrence of a listed disease  
**Country or zone:** a zone or compartment  
**Clinical signs:** Yes  
**Number of reported outbreaks submitted= 1, Draft= 0**

**Outbreak details**

<table>
<thead>
<tr>
<th>County</th>
<th>Number of outbreaks</th>
<th>Province</th>
<th>District</th>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGLAND- (this report - submitted)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Farm</td>
<td>East Riding of Yorkshire</td>
<td>54.0209</td>
<td>-0.3751</td>
<td>14/11/2014</td>
<td>21/11/2014</td>
</tr>
</tbody>
</table>

**Species**

- **Birds:** Housed duck breeding flock of approximately 6,000 60-week-old birds.  
  - The birds showed signs of slightly raised mortality and a gradual but marked drop in egg production.  
  - An underlying bacterial / fungal infection is likely to have preceded the infection by avian influenza contributing to presentation of clinical signs.

**Update on 21/11/2014 - As the birds have been destroyed and preliminary cleansing and disinfection is completed, this outbreak has now been closed.**

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

<table>
<thead>
<tr>
<th>Species</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birds</td>
<td>6178</td>
<td>803</td>
<td>803</td>
<td>5375</td>
<td>0</td>
</tr>
</tbody>
</table>

**Epidemiology**

**Epidemiological comments**  
The epidemiological investigation has started in response to the outbreak and early information indicates that the unit routinely applies high standards of biosecurity and had not moved any birds or eggs from the premises in the preceding week. Updates will be provided in the weekly reports as further information becomes available.

**Source of the outbreak(s) or origin of infection**  
- Unknown or inconclusive

**Measures applied**

**Applied**

- quarantine  
- movement control inside the country  
- screening  
- zoning  
- disinfection of infected premises/establishment(s)

**To be applied**

- stamping out

**Animals treated**

- Vaccination Prohibited

**Diagnostic test results**

<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></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Laboratory Type</td>
<td>Name of Laboratory</td>
<td>Species</td>
<td>Test Type</td>
<td>Date Results Provided</td>
<td>Result</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>---------------------------------------------</td>
<td>---------</td>
<td>----------------------------------------------------</td>
<td>-----------------------</td>
<td>----------</td>
</tr>
<tr>
<td>OIE’s Reference Laboratory</td>
<td>Animal and Plant Health Agency (APHA) Weybridge</td>
<td>Birds</td>
<td>intravenous pathogenicity index (IVPI) test</td>
<td></td>
<td>Pending</td>
</tr>
<tr>
<td>OIE’s Reference Laboratory</td>
<td>Animal and Plant Health Agency (APHA) Weybridge</td>
<td>Birds</td>
<td>nucleotide sequencing</td>
<td>16/11/2014</td>
<td>Positive</td>
</tr>
<tr>
<td>OIE’s Reference Laboratory</td>
<td>Animal and Plant Health Agency (APHA) Weybridge</td>
<td>Birds</td>
<td>neuraminidase inhibition assay</td>
<td></td>
<td>Pending</td>
</tr>
<tr>
<td>OIE’s Reference Laboratory</td>
<td>Animal and Plant Health Agency (APHA) Weybridge</td>
<td>Birds</td>
<td>haemagglutination inhibition test (HIT)</td>
<td>16/11/2014</td>
<td>Negative</td>
</tr>
<tr>
<td>OIE’s Reference Laboratory</td>
<td>Animal and Plant Health Agency (APHA) Weybridge</td>
<td>Birds</td>
<td>reverse transcription - polymerase chain reaction (RT-PCR)</td>
<td>16/11/2014</td>
<td>Positive</td>
</tr>
</tbody>
</table>

Future Reporting

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