Follow-up report No.2


Report Summary

Name of sender of the report Dr Nigel Gibbens
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Date submitted to OIE 27/11/2014

Animal type Terrestrial
Date of report 27/11/2014
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) H5N8
Date of last occurrence 2008/2008
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-other report -</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>
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<tr>
<td>submitted</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Species  Measuring units  Susceptible  Cases  Deaths  Destroyed  Slaughtered

Birds  Animals  6178  803  803  5375  0

Affected Population
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)

Species  Susceptible  Cases  Deaths  Destroyed  Slaughtered

Birds  6178  803  803  5375  0

Epidemiology

Epidemiological comments
Update on 27 November 2014
- The IVPI result is now available - 2.88 (highly pathogenic)
- No further cases have been identified and surveillance and tracing activities have indicated no evidence of spread to date (27 November 2014)
- The epidemiological investigation is ongoing and disease control measures remain in place. 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

<table>
<thead>
<tr>
<th>Applied</th>
<th>To be applied</th>
</tr>
</thead>
<tbody>
<tr>
<td>stamping out</td>
<td>no planned control measures</td>
</tr>
<tr>
<td>quarantine</td>
<td></td>
</tr>
<tr>
<td>movement control inside the country</td>
<td></td>
</tr>
<tr>
<td>screening</td>
<td></td>
</tr>
<tr>
<td>zoning</td>
<td></td>
</tr>
<tr>
<td>disinfection of infected premises/establishment(s)</td>
<td></td>
</tr>
</tbody>
</table>

Animals treated Vaccination Prohibited
Animals treated: Yes

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>OIE’s Reference Laboratory</td>
<td>Animal and Plant Health Agency (APHIA) Weybridge</td>
<td>Birds</td>
<td>reverse transcription - polymerase chain reaction (RT-PCR)</td>
<td>16/11/2014</td>
<td>Positive</td>
</tr>
<tr>
<td>OIE’s Reference Laboratory</td>
<td>Animal and Plant Health Agency (APHIA) Weybridge</td>
<td>Birds</td>
<td>haemagglutination inhibition test (HIT)</td>
<td>16/11/2014</td>
<td>Negative</td>
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<tr>
<td>OIE’s Reference Laboratory</td>
<td>Animal and Plant Health Agency (APHIA) Weybridge</td>
<td>Birds</td>
<td>nucleotide sequencing</td>
<td>16/11/2014</td>
<td>Positive</td>
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<tr>
<td>OIE’s Reference Laboratory</td>
<td>Animal and Plant Health Agency (APHIA) Weybridge</td>
<td>Birds</td>
<td>intravenous pathogenicity index (IVPI) test</td>
<td>21/11/2014</td>
<td>Positive</td>
</tr>
</tbody>
</table>

Future Reporting:
The event is continuing. Weekly follow-up reports will be submitted.
Outbreak maps