### Report Summary

**Name of sender of the report**: Dr Nigel Gibbens  
**Position**: Chief Veterinary Officer  
**Telephone**: +442072386495  
**Fax**: +442072385875  
**Address**: Food and Farming Group  
Area 5B, Nobel House  
17 Smith Square  
LONDON SW1P 3JR  
**Email**: nigel.gibbens@defra.gsi.gov.uk  
**Date submitted to OIE**: 31/01/2017

**Animal type**: Terrestrial  
**Date of report**: 31/01/2017  
**Disease**: Highly pathogenic avian influenza  
**Date of start of the event**: 11/12/2016  
**Causal Agent**: Highly pathogenic avian influenza virus  
**Date of confirmation of the event**: 16/12/2016  
**Serotype(s)**: H5N8  
**Date of last occurrence**: 17/07/2015  
**Reason**: Reoccurrence of a listed disease  
**Diagnosis**: Clinical  
**Country or zone**: a zone or compartment  
**Clinical signs**: Yes  
**Number of reported outbreaks**: submitted= 21, Draft= 0

### Outbreak details

**Country** | **Number of outbreaks** | **Province** | **District** | **Unit Type** | **Location** | **Latitude** | **Longitude** | **Start Date** | **End Date** |
---|---|---|---|---|---|---|---|---|---|
ENGLAND-other report - submitted | - | Lincolnshire | East Lindsey | Farm | Louth | 53.4293 | 0.0603 | 11/12/2016 | 23/12/2016 |
**Species** | **Measuring units** | **Susceptible** | **Cases** | **Deaths** | **Destroyed** | **Slaughtered** |
Eurasian Wigeon:Anatidae(Anas penelope) | Animals | 2428 | 2428 | 2408 | 20 | 0 |
**Affected Population**: Flock of housed turkeys. All susceptible animals have died/were destroyed.

**Country** | **Number of outbreaks** | **Province** | **District** | **Unit Type** | **Location** | **Latitude** | **Longitude** | **Start Date** | **End Date** |
---|---|---|---|---|---|---|---|---|---|
WALES-other report - submitted | - | Natural park | Llanelli | | | 31.664 | -4.123 | 14/12/2016 | 22/12/2016 |
**Species** | **Measuring units** | **Susceptible** | **Cases** | **Deaths** | **Destroyed** | **Slaughtered** |
Eurasian Wigeon:Anatidae(Anas penelope) | Animals | 1 | 1 | 0 | 0 |
**Affected Population**: One wild bird found dead.

**Country** | **Number of outbreaks** | **Province** | **District** | **Unit Type** | **Location** | **Latitude** | **Longitude** | **Start Date** | **End Date** |
---|---|---|---|---|---|---|---|---|---|
ENGLAND-other report - submitted | - | Devon | Exminster | Natural park | Exminster | 50.66937 | -3.481531 | 23/12/2016 | 23/12/2016 |
**Species** | **Measuring units** | **Susceptible** | **Cases** | **Deaths** | **Destroyed** | **Slaughtered** |
Eurasian Wigeon:Anatidae(Anas penelope) | Animals | 1 | 1 | 0 | 0 |
**Affected Population**: 

**Country** | **Number of outbreaks** | **Province** | **District** | **Unit Type** | **Location** | **Latitude** | **Longitude** | **Start Date** | **End Date** |
---|---|---|---|---|---|---|---|---|---|
ENGLAND-other report - submitted | - | Rutland | Natural park | Rutland | | 52.64528 | -0.69583 | 23/12/2016 | 23/12/2016 |
**Species** | **Measuring units** | **Susceptible** | **Cases** | **Deaths** | **Destroyed** | **Slaughtered** |
Eurasian Wigeon:Anatidae(Anas penelope) | Animals | 1 | 1 | 0 | 0 |
<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>
</table>

**Species** | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Peregrin falcon: Falco peregrinus</td>
<td>Animals</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**Affected Population**: Peregrine Falcon (Falco peregrinus) found sick and euthanased.


**Species** | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
<table>
<thead>
<tr>
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<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Eurasian Wigeon: Anatidae (Anas penelope)</td>
<td>Animals</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

**Affected Population**: Eurasian Wigeon (Anas Penelope) found dead.

| ENGLAND-other report - submitted | - | Dorset | Abbotsbury | Abbotsbury | 50.65323 | 2.601845 | 26/12/2016 | 26/01/2017 |

**Species** | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mute Swan: Anatidae (Cygnus olor)</td>
<td>Animals</td>
<td>150</td>
<td>150</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

**Affected Population**: The final number of swans found dead was 150 (mostly yearlings); not all were tested for H5N8, but considered same ep group.

| WALES-other report - submitted | - | Conwy District | Natural park | Conwy | 53.279973 | -3.806429 | 28/12/2016 | 28/12/2016 |

**Species** | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Teal: Anatidae (Anas crecca)</td>
<td>Animals</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

**Affected Population**: 1 wild bird found dead.

| ENGLAND-other report - submitted | - | North Yorkshire | Craven | Backyard |_settle | 54.04677 | -2.154 | 28/12/2016 | 08/01/2017 |

**Species** | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
<table>
<thead>
<tr>
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<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>17</td>
<td>10</td>
<td>10</td>
<td>7</td>
<td>0</td>
</tr>
</tbody>
</table>

**Affected Population**: 10 chickens (9 dead) and 7 ducks. Population is dead/destroyed.

| WALES-other report - submitted | - | Carmarthenshire | Meiniau | Farm | Meiniau | 51.77819 | -4.2241 | 30/12/2016 | 30/12/2016 |

**Species** | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>25</td>
<td>12</td>
<td>2</td>
<td>23</td>
<td>0</td>
</tr>
</tbody>
</table>

Follow-up report No.: 7, Report reference: AIV 2016/02, OIE Ref: 22636, Report Date: 31/01/2017, Country: United Kingdom
<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 - submitted</td>
<td>-</td>
<td>Gloucestershire</td>
<td>Natural park</td>
<td>Gloucestershire</td>
<td>51.74101</td>
<td>-2.40376</td>
<td>30/12/2016</td>
<td>30/12/2016</td>
<td></td>
</tr>
</tbody>
</table>

**Species**

<table>
<thead>
<tr>
<th>Measuring units</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eurasian Wigeon: Anas penelope</td>
<td>Animals</td>
<td>...</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

**Affected Population**

4 wild birds found dead.

<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 - submitted</td>
<td>-</td>
<td>Merseyside</td>
<td>Natural park</td>
<td>Merseyside</td>
<td>53.67278</td>
<td>-2.9761</td>
<td>30/12/2016</td>
<td>30/12/2016</td>
<td></td>
</tr>
</tbody>
</table>

**Species**

<table>
<thead>
<tr>
<th>Measuring units</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mallard: Anas platyrhynchos</td>
<td>Animals</td>
<td>...</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

**Affected Population**

5 wild birds found dead.

<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 - submitted</td>
<td>-</td>
<td>Lincolnshire</td>
<td>Natural park</td>
<td>Lincolnshire</td>
<td>52.93096</td>
<td>0.018298</td>
<td>30/12/2016</td>
<td>30/12/2016</td>
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</tbody>
</table>

**Species**

<table>
<thead>
<tr>
<th>Measuring units</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eurasian Wigeon: Anas penelope</td>
<td>Animals</td>
<td>...</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**Affected Population**

5 wild birds found dead.

<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 - submitted</td>
<td>-</td>
<td>Tyne &amp; Wear</td>
<td>Natural park</td>
<td>Tyne &amp; Wear</td>
<td>54.90201</td>
<td>-1.48687</td>
<td>02/01/2017</td>
<td>02/01/2017</td>
<td></td>
</tr>
</tbody>
</table>

**Species**

<table>
<thead>
<tr>
<th>Measuring units</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
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</table>

Follow-up report No.: 7, Report reference: AIV 2016/02, OIE Ref: 22636, Report Date: 31/01/2017, Country: United Kingdom

Printed on: Wed Feb 1 13:27:20 CET 2017

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<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</td>
<td>other report - submitted</td>
<td>Natural park</td>
<td>Lancashire</td>
<td>Animals</td>
<td>...</td>
<td>1 1 1</td>
<td>0</td>
<td>34.16893</td>
<td>-2.80255</td>
</tr>
<tr>
<td>Species</td>
<td>Measuring units</td>
<td>Susceptible</td>
<td>Cases</td>
<td>Deaths</td>
<td>Destroyed</td>
<td>Slaughtered</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Black-headed Gull Laridae (Larus ridibundus)</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Affected Population</td>
<td>1 wild bird found dead</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ENGLAND | other report - submitted | Natural park | North Yorkshire | Animals | ... | 1 1 1 | 0 | 34.04769 | -2.15504 | 05/01/2017 | 05/01/2017 |
| Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
| Tuffed Duck Anatidae (Aythya fuligula) | ... | ... | ... | ... | 1 | 0 | 0 |
| Affected Population | 1 wild bird found dead | |

ENGLAND | other report - submitted | East Lindsey Farm | Louth | Animals | ... | 2 2 0 | 0 | 53.46377 | 0.020403 | 15/01/2017 | 21/01/2017 |
| Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
| Mallard Anatidae (Anas platyrhynchos) | 6640 3420 400 6240 | 3420 | 400 | 6240 | 0 |
| Affected Population | 6640 fattening turkeys - culling and disposal is complete. Primary cleansing and disinfection is complete. | |

ENGLAND | other report - submitted | Wyre Farm | Pilling | Animals | ... | ... | ... | 53.9388 | -2.9418 | 23/01/2017 | |
| Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
| Birds | 10000 | ... | ... | ... | ... | ... | ... |
| Affected Population | 10,000 breeding pheasants, culling and disposal operations being initiated. | |

ENGLAND | other report - submitted | East Lindsey Farm | Boston | Animals | ... | ... | ... | 33.03492 | -0.016692 | 25/01/2017 | |
| Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
| Birds | 19500 | ... | ... | ... | ... | ... | ... |
| Affected Population | 19,500 rearing turkeys, culling and disposal operations being initiated. | |

ENGLAND | other report - submitted | Wyre Farm | Pilling | Animals | ... | 1263 2 1261 | 0 | 53.9255 | -2.9213 | 26/01/2017 | 30/01/2017 |
<p>| Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
| Birds | 1263 | ... | ... | ... | ... | 1261 | 0 |
| Affected Population | 1,263 breeding pheasants. Culling and disposal have been completed. Primary cleansing and disinfection has been completed. |</p>
<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</td>
<td>(this report -</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>submitted)</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wyre</td>
<td>Farm</td>
<td>Pilling</td>
<td></td>
<td>53.9326</td>
<td>-2.9509</td>
<td>29/01/2017</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Species</th>
<th>Measuring units</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>63,000</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
</tbody>
</table>

Affected Population: 63,000 mixed game birds, culling and disposal operations being initiated.

**Outbreak summary: Total outbreaks = 21 (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>Eurasian Wigeon</td>
<td>102873</td>
<td>5870</td>
<td>2822</td>
<td>7551</td>
<td>0</td>
</tr>
<tr>
<td>Peregrin Falcon</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Mute Swan</td>
<td>150</td>
<td>150</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Common Teal</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Greylag Goose</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Greater White-fronted Goose</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Canada Goose</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Mallard</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Common Pochard</td>
<td>2</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Great Cormorant</td>
<td>1</td>
<td>1</td>
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<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Black-headed Gull</td>
<td>2</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Tufted Duck</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**Epidemiology**

**Epidemiological comments**

First turkey flock (Louth - start date 11/12/2016): disease control programmes have been applied and primary cleansing and disinfection of the infected premises was completed on 30 December 2016. Investigations conducted so far on contact tracings and poultry holdings in the restriction zones have uncovered no evidence of further spread. All control measures set out in the immediate notification have been applied. Epidemiological investigations have been completed. The outbreak is resolved.

Second turkey flock (Louth - start date 15/01/2017): disposal and culling have been completed. Primary cleansing and disinfection has been completed; 3km and 10km zones have been put in place. Epidemiological investigations are on-going. No trade to international partners.

First breeding pheasant flock (Pilling - start date 23/01/2017): culling and disposal of the birds are being arranged. 3km and 10km zones have been put in place. Epidemiological investigations are on-going. No trade to international partners.

Commercial flock of rearing turkeys (Boston - start date 25/01/2017): culling and disposal of the birds are being arranged. 3km and 10km zones have been put in place. Epidemiological investigations are on-going. No trade to international partners.

Second breeding pheasant flock (Pilling - start date 26/01/2017): Pheasants in harem pens for breeding. Clinical signs observed. Pheasants recently moved during the high risk spread period from AIV 2017/04 Pilling site.

Third breeding pheasant flock (Pilling - start date 29/01/2017): Pheasants recently moved during the high risk spread period from AIV 2017/04 Pilling site. Clinical signs were observed. Different species of game birds are present at this large breeding premises.

Backyard cases in Settle and Llanelli: all control measures set out in the immediate notification have been applied including restriction zones. Epidemiological investigations are ongoing. Updates will be provided in weekly reports if further information becomes available.

Wild bird cases: the case in Abbotsbury is resolved. No more deaths reported.

**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>
</table>

Follow-up report No.: 7, Report reference: AIV 2016/02, OIE Ref: 22636, Report Date: 31/01/2017, Country: United Kingdom
Applied

- movement control inside the country
- disinfection / disinfestation
- traceability
- stamping out
- official destruction of animal products
- official disposal of carcasses, by-products and waste
- surveillance within containment and/or protection zone
- zoning

To be applied

- no planned control measures

<table>
<thead>
<tr>
<th>Animals treated</th>
<th>Vaccination Prohibited</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Future Reporting**

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