

## Follow-up report No.9

Report reference: AIV 2016/02, Reference OIE : 22847, Report Date : 15/02/2017, Country : United Kingdom

### Report Summary

<b>Name of sender of the report</b>	Dr Nigel Gibbens	<b>Telephone</b>	+442072386495
<b>Position</b>	Chief Veterinary Officer	<b>Fax</b>	+442072385875
<b>Address</b>	Food and Farming Group Area 5B, Nobel House 17 Smith Square	<b>Email</b>	nigel.gibbens@defra.gsi.gov.uk
	LONDON SW1P 3JR	<b>Date submitted to OIE</b>	15/02/2017

<b>Animal type</b>	Terrestrial	<b>Date of report</b>	15/02/2017
<b>Disease</b>	Highly pathogenic avian influenza	<b>Date of start of the event</b>	11/12/2016
<b>Causal Agent</b>	Highly pathogenic avian influenza virus	<b>Date of confirmation of the event</b>	16/12/2016
<b>Serotype(s)</b>	H5N8	<b>Date of last occurrence</b>	17/07/2015
<b>Reason</b>	Reoccurrence of a listed disease	<b>Diagnosis</b>	Clinical
<b>Country or zone</b>	a zone or compartment	<b>Clinical signs</b>	Yes
<b>Number of reported outbreaks</b>	submitted= 26, Draft= 0		

### Outbreak details

County	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
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Birds	Animals	2428	2428	2408	20	0			
Affected Population	Flock of housed turkeys. All susceptible animals have died/were destroyed.								

County	Number of outbreaks	Province	District	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
WALES-other report - submitted	-			Natural park	Llanelli	51.664	-4.123	14/12/2016	22/12/2016
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Eurasian Wigeon:Anatidae(Anas penelope)	Animals	...	1	1	0	0			
Affected Population	One wild bird found dead.								

County	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
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Eurasian Wigeon:Anatidae(Anas penelope)	Animals	...	1	1	0	0			
Affected Population									

County	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
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Eurasian Wigeon:Anatidae(Anas penelope)	Animals	...	1	1	0	0			
Affected Population									

County	Number of outbreaks	Province	District	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Affected Population	Eurasian Wigeon (Anas Penelope) found dead.								

County	Number of outbreaks	Province	District	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
SCOTLAND-other report - submitted	-		Dumfries & Galloway	Natural park	Dumfries & Galloway	54.97639	-3.48444	23/12/2016	23/12/2016
Peregrin falcon:Falconidae(Falco peregrinus)	Animals	...	1	0	1	0			
Affected Population	Peregrine Falcon (Falco peregrinus) found sick and euthanased.								

County	Number of outbreaks	Province	District	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
ENGLAND-other report - submitted	-		Somerset County	Natural park	Somerset County	51.18778	-3.08806	23/12/2016	23/12/2016
Eurasian Wigeon:Anatidae(Anas penelope)	Animals	...	1	1	0	0			
Affected Population	Eurasian Wigeon (Anas Penelope) found dead								

County	Number of outbreaks	Province	District	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
ENGLAND-other report - submitted	-	Dorset	Abbotsbury	Natural park	Abbotsbury	50.653223	-2.601845	26/12/2016	25/01/2017
Mute Swan:Anatidae(Cygnus olor)	Animals	...	150	150	0	0			
Affected Population	The final number of swans found dead was 150 (mostly yearlings); not all were tested for H5N8, but considered same epi group.								

County	Number of outbreaks	Province	District	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
WALES-other report - submitted	-		Conwy District	Natural park	Conwy	53.279973	-3.806429	28/12/2016	28/12/2016
Common Teal:Anatidae(Anas crecca)	Animals	...	1	1	0	0			
Affected Population	1 wild bird found dead.								

County	Number of outbreaks	Province	District	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
ENGLAND-other report - submitted	-	North Yorkshire	Craven	Backyard	Settle	54.04677	-2.154	28/12/2016	08/01/2017
Birds	Animals	17	10	10	7	0			
Affected Population	10 chickens (9 dead) and 7 ducks. Population is dead/destroyed.								

County	Number of outbreaks	Province	District	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
WALES-other report - submitted	-	Carmarthenshire	Meiniau	Farm	Meiniau	51.77819	-4.2241	30/12/2016	30/12/2016
Birds	Animals	25	12	2	23	0			

Follow-up report No.: 9, Report reference: AIV 2016/02, OIE Ref: 22847, Report Date: 15/02/2017, Country: United Kingdom

County	Number of outbreaks	Province	District	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Affected Population	Chickens and ducks tested positive for H5N8 HPAI. Population is dead/destroyed.								

County	Number of outbreaks	Province	District	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
ENGLAND-other report - submitted	-		Gloucestershire	Natural park	Gloucestershire	51.74101	-2.40376	30/12/2016	30/12/2016
Eurasian Wigeon:Anatidae(Anas penelope)	Animals	...	1	1	0	0			
Greylag Goose:Anatidae(Anser anser)	Animals	...	1	1	0	0			
Greater White-fronted Goose:Anatidae(Anser albifrons)	Animals	...	1	1	0	0			
Canada Goose:Anatidae(Branta canadensis)	Animals	...	1	1	0	0			
Affected Population	4 wild birds found dead.								

County	Number of outbreaks	Province	District	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
ENGLAND-other report - submitted	-		Merseyside	Natural park	Merseyside	53.67278	-2.9761	30/12/2016	30/12/2016
Mallard:Anatidae(Anas platyrhynchos)	Animals	...	1	1	0	0			
Common Pochard:Anatidae(Aythya ferina)	Animals	...	2	2	0	0			
Great Cormorant:Phalacrocoracidae(Phalacrocorax carbo)	Animals	...	1	1	0	0			
Black-headed Gull:Laridae(Larus ridibundus)	Animals	...	1	1	0	0			
Affected Population	5 wild birds found dead.								

County	Number of outbreaks	Province	District	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
ENGLAND-other report - submitted	-		Lincolnshire	Natural park	Lincolnshire	52.93096	0.018298	30/12/2016	30/12/2016
Eurasian Wigeon:Anatidae(Anas penelope)	Animals	...	5	5	0	0			
Affected Population	5 wild birds found dead.								

County	Number of outbreaks	Province	District	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
ENGLAND-other report - submitted	-			Natural park	Tyne & Wear	54.90201	-1.48687	02/01/2017	02/01/2017
Affected Population									

Follow-up report No.: 9, Report reference: AIV 2016/02, OIE Ref: 22847, Report Date: 15/02/2017, Country: United Kingdom

County	Number of outbreaks	Province	District	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Black-headed Gull:Laridae(Larus ridibundus)	Animals	...	1	1	0	0			
Affected Population	1 wild bird found dead								

County	Number of outbreaks	Province	District	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
ENGLAND-other report - submitted	-			Natural park	Lancashire	54.16893	-2.80255	02/01/2017	02/01/2017
Tufted Duck:Anatidae(Aythya fuligula)	Animals	...	1	1	0	0			
Affected Population	1 wild bird found dead								

County	Number of outbreaks	Province	District	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
ENGLAND-other report - submitted	-			Natural park	North Yorkshire	54.04769	-2.15504	05/01/2017	05/01/2017
Mallard:Anatidae(Anas platyrhynchos)	Animals	...	2	2	0	0			
Affected Population	2 wild birds found dead								

County	Number of outbreaks	Province	District	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
ENGLAND-other report - submitted	-		East Lindsey	Farm	Louth	53.46377	0.020403	15/01/2017	21/01/2017
Birds	Animals	6640	3420	400	6240	0			
Affected Population	6640 fattening turkeys - culling and disposal is complete. Primary cleansing and disinfection is complete.								

County	Number of outbreaks	Province	District	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
ENGLAND-other report - submitted	-		Wyre	Farm	Pilling	53.9388	-2.9418	23/01/2017	30/01/2017
Birds	Animals	10000	...	3146	6854	0			
Affected Population	10,000 breeding pheasants. Culling and disposal have been completed. Primary cleansing and disinfection has been completed.								

County	Number of outbreaks	Province	District	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
ENGLAND-other report - submitted	-			Natural park	Yorkshire	54.1258	-0.9107	24/01/2017	24/01/2017
Eurasian buzzard (common buzzard):Accipitridae(Buteo buteo)	Animals	...	1	1	0	0			
Affected Population	1 wild bird found dead.								

County	Number of outbreaks	Province	District	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
ENGLAND-other report - submitted	-		East Lindsey	Farm	Boston	53.03492	-0.016692	25/01/2017	01/02/2017

Follow-up report No.: 9, Report reference: AIV 2016/02, OIE Ref: 22847, Report Date: 15/02/2017, Country: United Kingdom

County	Number of outbreaks	Province	District	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Birds	Animals	19500	...	13610	5890	0			
Affected Population	19,500 rearing turkeys. Culling and disposal have been completed. Primary cleansing and disinfection has been completed.								

  

County	Number of outbreaks	Province	District	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
ENGLAND-other report - submitted	-			Natural park	Lancashire	53.6226	-2.865	26/01/2017	26/01/2017
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Greylag Goose:Anatidae(Anser anser)	Animals	...	1	1	0	0			
Affected Population	1 wild bird found dead.								

  

County	Number of outbreaks	Province	District	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
ENGLAND-other report - submitted	-		Wyre	Farm	Pilling	53.9255	-2.9213	26/01/2017	30/01/2017
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Birds	Animals	1263	...	2	1261	0			
Affected Population	1,263 breeding pheasants. Culling and disposal have been completed. Primary cleansing and disinfection has been completed.								

  

County	Number of outbreaks	Province	District	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
ENGLAND-other report - submitted	-		Wyre	Farm	Pilling	53.9326	-2.9509	29/01/2017	14/02/2017
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Birds	Animals	66000	10	10	65990	...			
Affected Population	66,000 mixed game birds, culling and disposal have been completed. Primary cleansing and disinfection has been completed.								

  

County	Number of outbreaks	Province	District	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
NORTHERN IRELAND-other report - submitted	-			Natural park	Londonderry	54.7243	-6.4781	02/02/2017	02/02/2017
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Anatidae (unidentified):Anatidae(A natidae (incognita))	Animals	...	1	1	0	0			
Affected Population	1 wild swan found dead.								

  

County	Number of outbreaks	Province	District	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
ENGLAND- (this report - submitted)	-			Natural park	County of Norfolk	52.52671	0.27872	10/02/2017	10/02/2017
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Whooper Swan:Anatidae(Cygnus cygnus)	Animals	...	1	1	0	0			
Affected Population	1 wild bird found dead.								

  

County	Number of outbreaks	Province	District	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
ENGLAND- (this report - submitted)	-		Mid Suffolk	Farm	Redgrave	52.36699	0.98202	12/02/2017	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Birds	Animals	23227	...	...	...	...			

County	Number of outbreaks	Province	District	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Affected Population	Flock of housed broiler breeding chickens. Culling and disposal are being initiated.								

### Outbreak summary: Total outbreaks = 26 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	129100	5880	19588	86285	0
Eurasian Wigeon		10	10	0	0
Peregrin falcon		1	0	1	0
Mute Swan		150	150	0	0
Common Teal		1	1	0	0
Greylag Goose		2	2	0	0
Greater White-fronted Goose		1	1	0	0
Canada Goose		1	1	0	0
Mallard		3	3	0	0
Common Pochard		2	2	0	0
Great Cormorant		1	1	0	0
Black-headed Gull		2	2	0	0
Tufted Duck		1	1	0	0
Eurasian buzzard (common buzzard)		1	1	0	0
Anatidae (unidentified)		1	1	0	0
Whooper Swan		1	1	0	0

### 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 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.

Commercial flock of rearing turkeys (Boston - start date 25/01/2017): Culling and disposal of the birds 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.

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. Culling and disposal have been completed. Primary cleansing and disinfection has been completed.

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. Culling and disposal have been completed. Primary cleansing and disinfection has been completed.

Commercial flock of breeding broiler chickens (Redgrave - start date 12/02/2017): Birds were housed. Increase in mortality observed at the start of the report, in two of three sheds. Birds at both affected sheds tested positive for H5N8 HPAI virus. Culling underway.

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

Applied	To be applied
---------	---------------

Applied	To be applied
<ul style="list-style-type: none"> <li>• movement control inside the country</li> <li>• disinfection / disinfestation</li> <li>• traceability</li> <li>• stamping out</li> <li>• official destruction of animal products</li> <li>• official disposal of carcasses, by-products and waste</li> <li>• surveillance within containment and/or protection zone</li> <li>• zoning</li> </ul>	<ul style="list-style-type: none"> <li>• no planned control measures</li> </ul>
Animals treated	Vaccination Prohibited
No	Yes

### Future Reporting

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

## Outbreak maps

