### Report Summary

**Disease**
Highly pathogenic avian influenza

**Animal type**
Terrestrial

**Causal Agent**
Highly pathogenic avian influenza virus

**Serotype(s)**
H5N1

**Clinical Signs**
Yes

**Reason**
Reoccurrence of a listed disease

**Date of first confirmation of the event**
26/01/2007

**Date of report**
11/04/2008

**Diagnosis**
Clinical, Laboratory (advanced), Necropsy

**Number Of Reported Outbreaks**
Submitted= 22, Draft= 0

**Name of Sender of the report**
Dr Evgeny A. Nepoklonov

**Address**
107139 MOSCOW

**Position**
Deputy Head

**Telephone**
(7-095) 975 5850

**Fax**
(7-095) 975 5850

**Email**
alexaafonova@mail.ru

**Entered by**
Mme Margarita Alonso

### Outbreak (other report - submitted)

<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>57</td>
<td>18</td>
<td>18</td>
<td>39</td>
<td>0</td>
</tr>
</tbody>
</table>

**Affected Population**
native chickens and traditionally raised ducks, geese and turkey cocks.

### Outbreak (other report - submitted)

<table>
<thead>
<tr>
<th>Species</th>
<th>Measuring units</th>
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<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>49</td>
<td>8</td>
<td>8</td>
<td>41</td>
<td>0</td>
</tr>
</tbody>
</table>

**Affected Population**
native chickens and traditionally raised ducks, geese and turkey cocks.

### Outbreak (other report - submitted)

<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>41</td>
<td>3</td>
<td>3</td>
<td>36</td>
<td>0</td>
</tr>
</tbody>
</table>
### Affected Population

- Native chickens and traditionally raised ducks, geese and turkey cocks.

### Outbreak (other report - submitted)

<table>
<thead>
<tr>
<th>Kaluzhskaya Oblast</th>
<th>Borovsk</th>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start</th>
<th>End</th>
</tr>
</thead>
<tbody>
<tr>
<td>KALUZHSKAYA OBLAST</td>
<td>Borovsk</td>
<td>Village</td>
<td>Kolodkino</td>
<td>55.2</td>
<td>36.48</td>
<td>05/02/2007</td>
<td></td>
</tr>
</tbody>
</table>

**Species**

- Birds

**Measuring units**

- Animals

**Susceptible**

- 17

**Cases**

- 17

**Deaths**

- 17

**Destroyed**

- 0

**Slaughtered**

- 0

**Affected Population**

- Backyard poultry (native chickens)

### Outbreak (other report - submitted)

<table>
<thead>
<tr>
<th>Moscow Oblast</th>
<th>Taldom</th>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start</th>
<th>End</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOSKOVSKAYA OBLAST</td>
<td>Taldom</td>
<td>Village</td>
<td>Maklakovo</td>
<td>56.73</td>
<td>37.55</td>
<td>10/02/2007</td>
<td></td>
</tr>
</tbody>
</table>

**Species**

- Birds

**Measuring units**

- Animals

**Susceptible**

- 73

**Cases**

- 62

**Deaths**

- 62

**Destroyed**

- 11

**Slaughtered**

- 0

**Affected Population**

- Backyard poultry (native chickens)

### Outbreak (other report - submitted)

<table>
<thead>
<tr>
<th>Moscow Oblast</th>
<th>Zvenigorod</th>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start</th>
<th>End</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOSKOVSKAYA OBLAST</td>
<td>Zvenigorod</td>
<td>Village</td>
<td>Shihovo</td>
<td>55.73</td>
<td>36.86</td>
<td>10/02/2007</td>
<td></td>
</tr>
</tbody>
</table>

**Species**

- Birds

**Measuring units**

- Animals

**Susceptible**

- 21

**Cases**

- 17

**Deaths**

- 17

**Destroyed**

- 4

**Slaughtered**

- 0

**Affected Population**

- Backyard poultry (native chickens and guinea fowls)

### Outbreak (other report - submitted)

<table>
<thead>
<tr>
<th>Moscow Oblast</th>
<th>Naro-Fominsk</th>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start</th>
<th>End</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOSKOVSKAYA OBLAST</td>
<td>Naro-Fominsk</td>
<td>Village</td>
<td>Marushkino</td>
<td>55.37</td>
<td>36.74</td>
<td>13/02/2007</td>
<td></td>
</tr>
</tbody>
</table>

**Species**

- Birds

**Measuring units**

- Animals

**Susceptible**

- 36

**Cases**

- 31

**Deaths**

- 31

**Destroyed**

- 5

**Slaughtered**

- 0

**Affected Population**

- Backyard poultry (native chickens)

### Outbreak (other report - submitted)

<table>
<thead>
<tr>
<th>Moscow Oblast</th>
<th>Domodedovo</th>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start</th>
<th>End</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOSKOVSKAYA OBLAST</td>
<td>Domodedovo</td>
<td>Village</td>
<td>Pavlovskoye</td>
<td>55.43</td>
<td>37.75</td>
<td>13/02/2007</td>
<td></td>
</tr>
</tbody>
</table>

**Species**

- Birds

**Measuring units**

- Animals

**Susceptible**

- 32

**Cases**

- 13

**Deaths**

- 13

**Destroyed**

- 19

**Slaughtered**

- 0

**Affected Population**

- Backyard poultry (native chickens, turkeys and pigeons)
<table>
<thead>
<tr>
<th>Location</th>
<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>Volokolamsk Solodovo</td>
<td>Birds</td>
<td>Animals</td>
<td>25</td>
<td>7</td>
<td>7</td>
<td>18</td>
<td>0</td>
</tr>
<tr>
<td>Podolsk Babenki</td>
<td>Birds</td>
<td>Animals</td>
<td>59</td>
<td>4</td>
<td>4</td>
<td>55</td>
<td>0</td>
</tr>
<tr>
<td>Odintsovo Ershovskie dachi</td>
<td>Birds</td>
<td>Animals</td>
<td>14</td>
<td>14</td>
<td>14</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Krasnogvardeisk Ulyap</td>
<td>Birds</td>
<td>Animals</td>
<td>45</td>
<td>43</td>
<td>43</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Krasnogvardeisk Dzhambelchily</td>
<td>Birds</td>
<td>Animals</td>
<td>91</td>
<td>71</td>
<td>71</td>
<td>20</td>
<td>0</td>
</tr>
</tbody>
</table>

**Affected Population**: backyard poultry (native chickens)
Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered
---|---|---|---|---|---|---
Birds | Animals | 12 | 4 | 4 | 6 | 0
Affected Population: backyard poultry (native chickens)

**Outbreak (other report - submitted)**

**MOSKOVSKAYA OBLAST**

<table>
<thead>
<tr>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start</th>
<th>End</th>
</tr>
</thead>
<tbody>
<tr>
<td>Village</td>
<td>Ramenskoe</td>
<td>55.48</td>
<td>38.44</td>
<td>20/02/2007</td>
<td></td>
</tr>
</tbody>
</table>

Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered
---|---|---|---|---|---|---
Birds | Animals | 177 | 75 | 75 | 102 | 0
Affected Population: backyard poultry (native chickens)

**Outbreak (other report - submitted)**

**KRASNODARSKIY KRAY**

<table>
<thead>
<tr>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start</th>
<th>End</th>
</tr>
</thead>
<tbody>
<tr>
<td>Village</td>
<td>Ramenskoe</td>
<td>55.48</td>
<td>38.44</td>
<td>20/02/2007</td>
<td></td>
</tr>
</tbody>
</table>

Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered
---|---|---|---|---|---|---
Birds | Animals | 177 | 75 | 75 | 102 | 0
Affected Population: backyard poultry (native chickens)

**Outbreak (other report - submitted)**

<table>
<thead>
<tr>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start</th>
<th>End</th>
</tr>
</thead>
<tbody>
<tr>
<td>Farm</td>
<td>Lubyazhye-Chepiginskoe</td>
<td>45.81</td>
<td>38.99</td>
<td>28/08/2007</td>
<td></td>
</tr>
</tbody>
</table>

Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered
---|---|---|---|---|---|---
Birds | Animals | 161640 | 420 | 420 | 161220 | 0
Affected Population: layer poultry farm

**Outbreak (other report - submitted)**

<table>
<thead>
<tr>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start</th>
<th>End</th>
</tr>
</thead>
<tbody>
<tr>
<td>Farm</td>
<td>Lubyazhye-Chepiginskoe</td>
<td>45.81</td>
<td>38.99</td>
<td>05/09/2007</td>
<td></td>
</tr>
</tbody>
</table>

Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered
---|---|---|---|---|---|---
Birds | Animals | 86500 | 287 | 287 | 86213 | 0
Affected Population: replacement layer chickens

**Outbreak (other report - submitted)**

<table>
<thead>
<tr>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start</th>
<th>End</th>
</tr>
</thead>
<tbody>
<tr>
<td>Farm</td>
<td>Gulyay-Borisovka</td>
<td>46.81</td>
<td>40.2</td>
<td>01/12/2007</td>
<td></td>
</tr>
</tbody>
</table>

Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered
---|---|---|---|---|---|---
Birds | Animals | 468164 | 42959 | 42959 | 0 | 0
Affected Population: layer chickens

**Outbreak (other report - submitted)**

<table>
<thead>
<tr>
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<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start</th>
<th>End</th>
</tr>
</thead>
<tbody>
<tr>
<td>Village</td>
<td>Gulyay-Borisovka</td>
<td>46.81</td>
<td>40.2</td>
<td>12/12/2007</td>
<td></td>
</tr>
</tbody>
</table>

Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered
---|---|---|---|---|---|---
Birds | Animals | 4467 | 109 | 109 | 4358 | 0

### Affected Population

| Backyard poultry |

### Outbreak (other report - submitted)

<table>
<thead>
<tr>
<th>ROSTOVSKAYA OBLAST</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start</th>
<th>End</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tselinny</td>
<td>Sladkaya Balka</td>
<td>46.35</td>
<td>41.01</td>
<td>18/12/2007</td>
<td></td>
</tr>
</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>6868</td>
<td>71</td>
<td>71</td>
<td>105</td>
<td>0</td>
</tr>
</tbody>
</table>

### Outbreak (other report - submitted)

<table>
<thead>
<tr>
<th>ROSTOVSKAYA OBLAST</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start</th>
<th>End</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zernogradskiy</td>
<td>Shosseyniy</td>
<td>46.78</td>
<td>40.36</td>
<td>19/12/2007</td>
<td></td>
</tr>
</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>1258</td>
<td>34</td>
<td>34</td>
<td>28</td>
<td>0</td>
</tr>
</tbody>
</table>

### Outbreak (this report - submitted)

<table>
<thead>
<tr>
<th>PRIMORSKIY KRAY</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start</th>
<th>End</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ussuriysk</td>
<td>Vozdvizhenka</td>
<td>43.89</td>
<td>131.94</td>
<td>08/04/2008</td>
<td></td>
</tr>
</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>42</td>
<td>28</td>
<td>28</td>
<td>14</td>
<td>0</td>
</tr>
</tbody>
</table>

#### Epidemiology

**Epidemiological comments**
- Probably, hunted wild ducks and geese

### Control Measures

- **Control Measures**
  - Control of wildlife reservoirs
  - Stamping out
  - Quarantine
  - Screening
  - Zoning
  - Vaccination in response to the outbreak(s)

- **To be applied**
  - No Planned Control Measures

- **Vaccination Prohibited**
  - No

---

28 susceptible chickens (21 cases), 8 susceptible guinea fowls (7 cases), 3 susceptible muscovy ducks (no cases) and 3 susceptible ducks (no cases) in a backyard.

Poultry in the village were not vaccinated.

### Outbreak summary: Total outbreaks = 22 (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>729688</td>
<td>44295</td>
<td>44295</td>
<td>252300</td>
<td>0</td>
</tr>
</tbody>
</table>

---


Disinfection of infected premises/establishment(s)

Animals treated
No

Vaccination in response to outbreak

<table>
<thead>
<tr>
<th>Country / Zone</th>
<th>Species</th>
<th>Number Vaccinated</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRIMORSKIY KRAY</td>
<td>Birds</td>
<td>32000</td>
<td>inactivated vaccine</td>
</tr>
</tbody>
</table>

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>National laboratory</td>
<td>Primorye Interregional Veterinary Laboratory</td>
<td>Birds</td>
<td>polymerase chain reaction (PCR)</td>
<td>11/04/2008</td>
<td>Positive</td>
</tr>
</tbody>
</table>

Future Reporting

What further reports will be submitted in relation to this event?

There are 22 outbreaks that are still recorded as unresolved. It is not possible to declare this event resolved until these individual outbreaks are resolved.
