



Norwegian Food Safety Authority

OUTBREAK OF NEWCASTLE DISEASE IN POULTRY IN NORWAY

PAFF AHW

29 November 2022

Norwegian Food Safety Authority (NFSA)



The primary outbreak – timeline

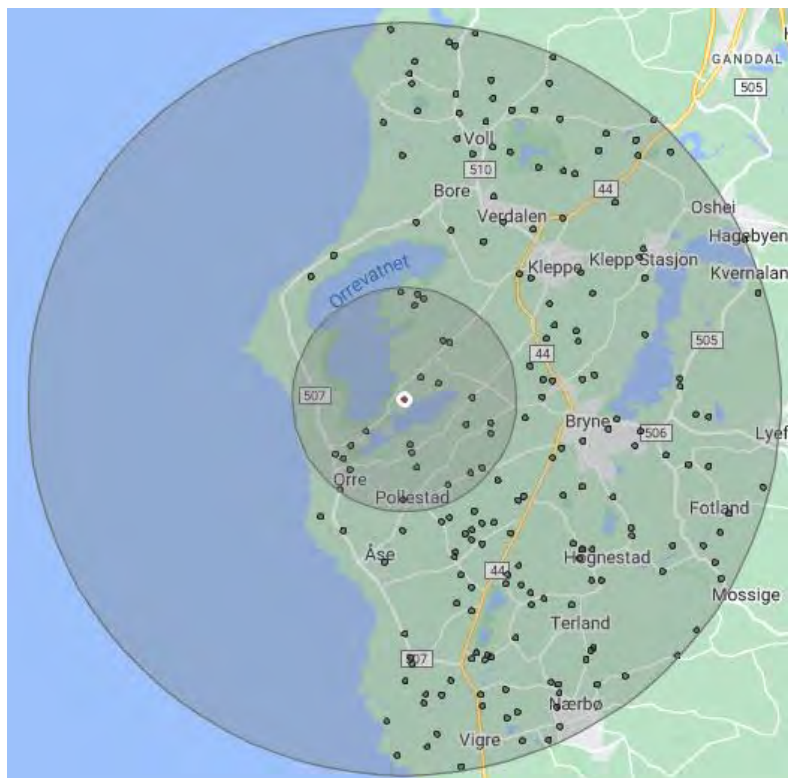
Norway has status free from infection with Newcastle disease virus without vaccination – last outbreak 1997

- 23 September: NSFA was notified about suspicion of Newcastle disease in a poultry farm with 7300 laying hens in Klepp municipality Southwest of Norway
 - Reduced production rate and feed intake
 - Few clinical symptoms
- **24 September: Confirmation of Newcastle disease in affected establishment and establishment of restriction zone***
- 25 September: Culling of all poultry in affected establishment*
- 27 September: Pre-emptive stamping out of 13 600 ready-to-slaughter broilers in establishment in the protection zone because of disease suspicion and animal welfare reasons
- 28 September: Preliminary cleaning and disinfection of affected establishment finished*

*in accordance with provisions of Regulation (EU) 2020/687

Location of the primary outbreak

Klepp municipality, Rogaland county, Southwest region of Norway



Surveillance zone (10 km) and protection zone (3 km) with primary outbreak as center. Dots represent both commercial and non-commercial poultry establishments.

Establishments with birds in the restriction zone

	Protection zone	Surveillance zone	Total in restriction zone
Commercial	13	105	118
Non-commercial	12	68	80
Total	25	173	198



Official controls and sampling

Protection zone:

- All establishments were controlled and sampled.

Surveillance zone:

- A representative number of establishments in the were controlled.
- All establishments with reduced production rate or health status were controlled.
- All controlled establishments with clinical findings were also sampled.



Samples and test results

Analysis at the Norwegian Veterinary Institute

- Swabs – PCR
- Blood samples – HI-tests

The isolated virus from the affected establishment is qPCR aPMV-1 Ct value 23-37 with genotype XIII.1.1

- Same genotype as latest ND-outbreaks in Sweden and isolates from wild birds in Asia
- Different genotype from recent wild bird isolates in Southeastern Norway

Samples taken in poultry establishments	Protection zone	Surveillance zone	Total	Test results
<ul style="list-style-type: none">• 20 laryngeal swabs• 20 cloacal swabs• 60 blood samples				
No. of establishments sampled	25	16	41	Neg.

Movements within and in/out of restriction zone

- No movements of poultry or poultry products from the restriction zone to other countries.
- Restrictions of movements of birds and products from birds from establishments within and in/out of restriction zone in accordance with provisions in Regulation (EU) 2020/687
- Derogations from movement restrictions authorised after separate risk assessment of each case in accordance with provisions in Regulation (EU) 2020/687

Suspicious and investigations

Suspicious of new outbreaks

- As of today, we have had suspicion of ND in 6 establishments. None have tested positive.

Epidemiological investigations and tracing

- Source of the infection is still unknown.
- Epidemiological investigation and tracing dated back to 15 August.
- Movements of people, vehicles and other equipment to the farm and the livestock holding are investigated.

Duration of disease control measures

Lifting of restriction zone

- 21 October 2022: Lifting of protection zone and the area was included in the surveillance zone
- 30 October 2022: Lifting of restriction zone

All in accordance with provisions of Regulation (EU) 2020/687

-Thank you for the attention-