USDA Animal and Plant Health Inspection Service
U.S. DEPARTMENT OF AGRICULTURE

Flock Plan

HPAI Euthanasia/Depopulation, Disposal, and Virus Elimination Procedures for Infected Premises in NY

October 23, 2023

Note: This is a general flock plan template intended to serve as a guide. It must be modified as necessary to be specific to the premises listed below. Do not remove sections or statements without USDA approval. The APHIS Indemnity team (avianindemnity@usda.gov) must review and approve the plan before it is signed.

PREMISES INFORMATION

Premises ID # §87(2)(i) [redacted]

State abbreviation, county, and site # NY, Suffolk, §87(2)(i) [redacted]

Premises owner Douglas Corwin

Name of premises H F CORWIN & SON, INC.

Address of premises 10 EDGAR AVE., AQUEBOGUE, NY 11931

Contact person (for Premises) Douglas Corwin

Contact's phone number [redacted]

Contact's e-mail address [redacted]

Bird owner Douglas Corwin

Name of authorized representative, if applicable N/A

Address of bird owner 10 EDGAR AVE., AQUEBOGUE, NY 11931

Domestic poultry present on date of appraisal (include number, type, sex, purpose, and age):

§87(2)(d) [redacted] Pekin ducks, Mixed Sex, Meat, 3 Days - 98 Weeks

BIRD OWNER:

Signature: Douglas Corwin Date: 2/19/2025

GROWER/OPERATOR (if applicable; if owner is also grower/operator, put "N/A" in grower/operator signature and initials sections):

Signature: NA Date: _____

☒ VS INCIDENT COMMANDER OR ☐ VS DISTRICT DIRECTOR/ASSISTANT DIRECTOR:

Signature: (b) (6) [redacted] Digitally signed by (b) (6) Date: 2025.02.19 12:54:53 -05'00' Date: 02/19/2025

☐ STATE INCIDENT COMMANDER OR ☐ STATE VETERINARIAN:

Signature: Joy Bennett Digitally signed by Joy Bennett Date: 2025.02.19 13:02:31 -05'00' Date: 2/19/2025

This is a written flock management agreement developed between USDA APHIS Veterinary Services (VS) and NY (*insert State initials*) (hereafter, "the State" or "State"), with input from Douglas Corwin (*insert bird owner and/or authorized representative*) and Douglas Corwin (*insert grower/operator*). This flock will be handled in accordance with the Highly Pathogenic Avian Influenza (HPAI) Response Plan Red Book for (hereafter, *HPAI Response Plan Red Book*), applicable FAD PReP guidance, Code of Federal Regulations (CFR), and applicable State environmental laws.

BRIEF HISTORY

Clinical signs (brief description) High mortality (approx 700 out of 100,000 dead), neurological signs, pancreatic necrosis, conjunctival hemorrhages.

Baseline daily mortality rate (insert rate from farm records) 0.1%

Daily mortality rate 1%

(# of dead birds/bird population on date of initial sampling)

Date first clinical signs were noted 01/12/2025

Date initial samples were collected 01/15/2025

Date presumptive positive test results were reported 01/16/2025

Date confirmatory positive test results were reported 01/17/2025

Virus characterization Eurasian lineage goose/Guangdong H5 clade 2.3.4.4b (D1.1)

(subtype/characterization from NVSL report)

Date premises quarantine was issued 01/16/2025

THE MAIN TENETS OF THIS PLAN INCLUDE:

- Restricting movement and enhancing biosecurity,
- Investigating sources of infection,
- Euthanasia/depopulation of poultry on the premises,
- Disposal of birds, eggs, litter, and any other contaminated materials,
- Eliminating the virus from the premises, and
- Ensuring the premises is free of avian influenza.

REQUESTS FOR INDEMNITY, COMPENSATION FOR DISPOSAL AND VIRUS ELIMINATION ACTIVITIES

The bird owner(s) will be eligible for indemnification. Prior to euthanasia/depopulation, an Appraisal and Indemnity Request must be completed and signed. The value of the domesticated poultry will be obtained from a VS-prepared table based on the fair market value of the birds.

Before virus elimination (cleaning and disinfection) activities begin, the premises will be inspected by the responsible parties and VS to determine whether there are contaminated items for which the cost of virus elimination would exceed the value of the materials, or for which virus elimination would be impractical for another reason. The fair market value (used price) of these items will be determined by a VS appraiser with input from the owner. Written VS approval is required prior to the disassembly or destruction of items for which reimbursement will be claimed.

Any disposal of domestic poultry and virus elimination of premises, conveyances, and materials for which compensation is requested must be performed under a separate agreement between the responsible party and VS. The agreement, consisting of a detailed financial plan, describes the costs associated with the depopulation, disposal, and virus elimination activities that are listed in the Flock Plan. Any work performed without advanced written approval is at the producer's own risk and may not be eligible for reimbursement.

COMPLIANCE WITH ENVIRONMENTAL LAWS FOR DISPOSAL AND VIRUS ELIMINATION ACTIVITIES

Disposal and virus elimination activities must be carried out in accordance with State environmental laws applicable to the location where the activities are occurring. All applicable State environmental authorities should be consulted to ensure disposal and virus elimination activities are carried out consistent with State environmental laws. USDA will not reimburse for costs associated with remediation of a site where disposal and virus elimination activities are not in compliance with State environmental laws.

PRIMARY RESPONSIBILITIES

- *Euthanasia/depopulation* will be,
  - the responsibility of USDA & State (*insert responsible party*), and
  - carried out by Trident Environmental (contractor) (*insert who will be performing euthanasia/depopulation*), with oversight by USDA-APHIS-VS Case Manager & State VMO (*insert VS and/or State position description, i.e., State Case Manager*), ~~and will be/~~was completed no later than 01/23/2025 (*date*).
- *Disposal* of dead birds, litter (bedding), and other contaminated materials will be,
  - the responsibility of H F CORWIN & SON, INC.- Douglas Corwin (*insert responsible party*), and
  - carried out by H F CORWIN & SON, INC.- Douglas Corwin (*insert who will be doing the disposal*), with oversight by USDA-APHIS-VS Compost SME (*insert VS and/or State position description, i.e., State Case Manager*), and will be/~~was~~completed no later than 04/15/2025 (*date*).
- *Cleaning* of contaminated equipment, structures, vehicles, and other contaminated areas and materials will be,
  - the responsibility of H F CORWIN & SON, INC.- Douglas Corwin (*insert responsible party*), and
  - carried out by H F CORWIN & SON, INC.- Douglas Corwin (*insert who will be cleaning*), with oversight by USDA-APHIS-VS Case Manager (*insert VS and/or State position description, i.e., State Case Manager*), and will be/~~was~~ completed no later than 04/30/2025 (*date*).
- *Disinfection* of equipment, structures, vehicles, and other contaminated areas will be,
  - the responsibility of H F CORWIN & SON, INC.- Douglas Corwin (*insert responsible party*), and
  - carried out by H F CORWIN & SON, INC.- Douglas Corwin (*insert who will be disinfecting*), with oversight and documentation by USDA-APHIS-VS Case Manager (*insert VS and/or State position description, i.e., State Case Manager*), and will be/~~was~~completed no later than 05/15/2025 (*date*).

MOVEMENT RESTRICTIONS AND ENHANCED BIOSECURITY

An avian influenza quarantine document was issued on 01/16/2025 (*insert date*). This document was received by Douglas Corwin (*insert name of bird owner, premises owner, or representative*). The quarantine states that no domesticated birds or other animals, bird products such as hatching eggs, or contaminated materials (manure, mortalities, eggs, shells, feed, etc.) are to enter or leave the premises without a permit issued by the State and appropriate biosecurity.

THE QUARANTINE WILL NOT BE RELEASED BEFORE:

- completion of an epidemiologic investigation,
- contaminated materials are composted or otherwise disposed of,
- the farm is cleaned and disinfected according to measures outlined in the *HPAI Response Plan Red Book*, and in accordance with current FADPReP policy guidance
- all flock and environmental testing in the Control Area has been completed with negative results.

QUARANTINE COMPLIANCE

Compliance with enhanced biosecurity is necessary to reduce the risk of reinfection. Per 9 CFR § 53.10(a), "the Department will not allow claims arising under the terms of this part if the payee has not complied with all quarantine requirements." Quarantine instructions include increasing biosecurity measures to minimize traffic and implementing protocols to clean and disinfect vehicles and equipment.

Restocking without approval from VS and State officials is at the risk of the producer and can lead to reinfection on the premises. VS will not indemnify previously affected premises that are restocked without prior written approval and subsequently become re-infected.

EPIDEMIOLOGIC INVESTIGATION

A State or Federal veterinarian will conduct an epidemiologic investigation to identify potential pathways for HPAI virus to enter or leave the premises. This investigation should be initiated as soon as possible, preferably no later than one week following detection of HPAI.

An investigation form is provided and serves as a guide for identifying potential pathways of HPAI virus introduction onto the premises and potential movement of HPAI virus off the premises. All sections of the form should be completed through direct conversation with the individual(s) most familiar with the management of the poultry on the premises for the period of two weeks prior to the detection of HPAI and until the date the quarantine was issued. In addition to interviewing the flock caretaker(s), the veterinarian conducting the investigation may directly observe biosecurity or management practices.

Copies of completed investigations will be provided to the signatories of this plan.

EUTHANASIA/DEPOPULATION

all infected or exposed _____ (*insert "all infected or exposed" or specify which subset of*) domesticated birds on the premises will be euthanized/depopulated as quickly and humanely as possible.

Before euthanasia/depopulation or disposal activities begin, the responsible party will designate a clean area and a dirty area and maintain biosecurity measures in these areas according to VS HPAI Standard Operating Procedures, with oversight by State or VS personnel.

Domestic poultry were _____ (*insert "will be" or "were"*) euthanized/depopulated using Foam and KEDS _____ (*insert method – foam, CO_2, etc.*). ~~Euthanasia/depopulated is expected to begin on _____ (insert date) or~~ euthanasia was completed on 01/23/2025 _____ (*insert date*). Euthanasia/depopulation was _____ (*insert "will be" or "was"*) conducted under the direct supervision of State or VS personnel USDA and State VMO _____ (*insert VS and/or State position description, i.e., State VMO*).

DISPOSAL

Amend the text below as necessary for this premises to clearly describe the disposal methods used.

- **Disposal of all eggs and deceased birds.**
  - These items will be Indoor and Outdoor Compost _____ (*insert State-approved disposal method(s)*) with supervision by the State and/or VS.
- **Disposal of litter, manure, feed, and other organic debris.**
  - These items will be Indoor and Outdoor Compost _____ (*insert State-approved disposal method(s)*) under the direction of State and/or VS personnel and in accordance with the ISRCP and *HPAI Response Plan Red Book*.

- If composting is the State-approved method, composted materials will be monitored by State and/or VS personnel to ensure virus destruction and to identify when material can be turned or removed from the facility.
- All composted material must remain on the premises for a minimum of 28 days.
- Indoor composting must be completed prior to any cleaning of the houses.

➢ **Destruction and disposal of contaminated materials that can't be cleaned and disinfected.**
- These items will be Landfilled in a biosecure manner (*insert State-approved disposal method(s)*).

ELIMINATING THE VIRUS FROM THE PREMISES (select one)

☒ **Active Virus Elimination.** All contaminated structures, equipment, vehicles, and surfaces will be cleaned and disinfected following the depopulation/euthanasia of domesticated poultry on the premises. The party responsible for virus elimination, in consultation with State or VS personnel, will develop a site-specific virus elimination plan in accordance with VS HPAI Standard Operating Procedures. State or VS personnel must approve the plan before implementation. The elements of the site-specific virus elimination plan must include the criteria below; disinfection procedures will be overseen and documented by State and/or VS personnel:

1. Immediately after depopulation/euthanasia of the birds, applying insecticides and rodenticides and removing any debris from around the exterior of the poultry houses.
2. Virus elimination of all vehicles and equipment used in holding, handling, or transporting, or that have been in contact with affected poultry, poultry products, or contaminated materials, prior to leaving the premises.
3. Dry cleaning and/or wet cleaning contaminated structures and equipment according to VS HPAI Standard Operating Procedures. Structures and equipment will be inspected by State or VS personnel to ensure that cleaning has sufficiently removed contaminated materials or substances and that structures and equipment are completely dry before a disinfection step is started.
4. Eliminating the virus from structures and equipment by: (select one)

   ☐ a. Drying and heating according to VS HPAI Standard Operating Procedures, or

   ☒ b. Disinfection with an EPA-registered antimicrobial product

☐ **120-Day Quarantine.** No avian species will be introduced to the premises for at least 120 days after depopulation/euthanasia of all domestic poultry on the premises. During this period, the premises owner will maintain these conditions:

1. The contaminated portion of the premises will be restricted to prevent unauthorized access.
2. Measures to prevent attracting wild waterfowl are in place (e.g., access to food and bathing water sources is prevented).
3. Clutter and trash may be left on-site during this period, lawfully burned or buried on site, or disposed of in a biosecure manner offsite (e.g., double bagged and taken directly to a sanitary landfill).

   ☐ **With Cleaning & Disinfection of Primary Poultry Housing Structures** (list structures)

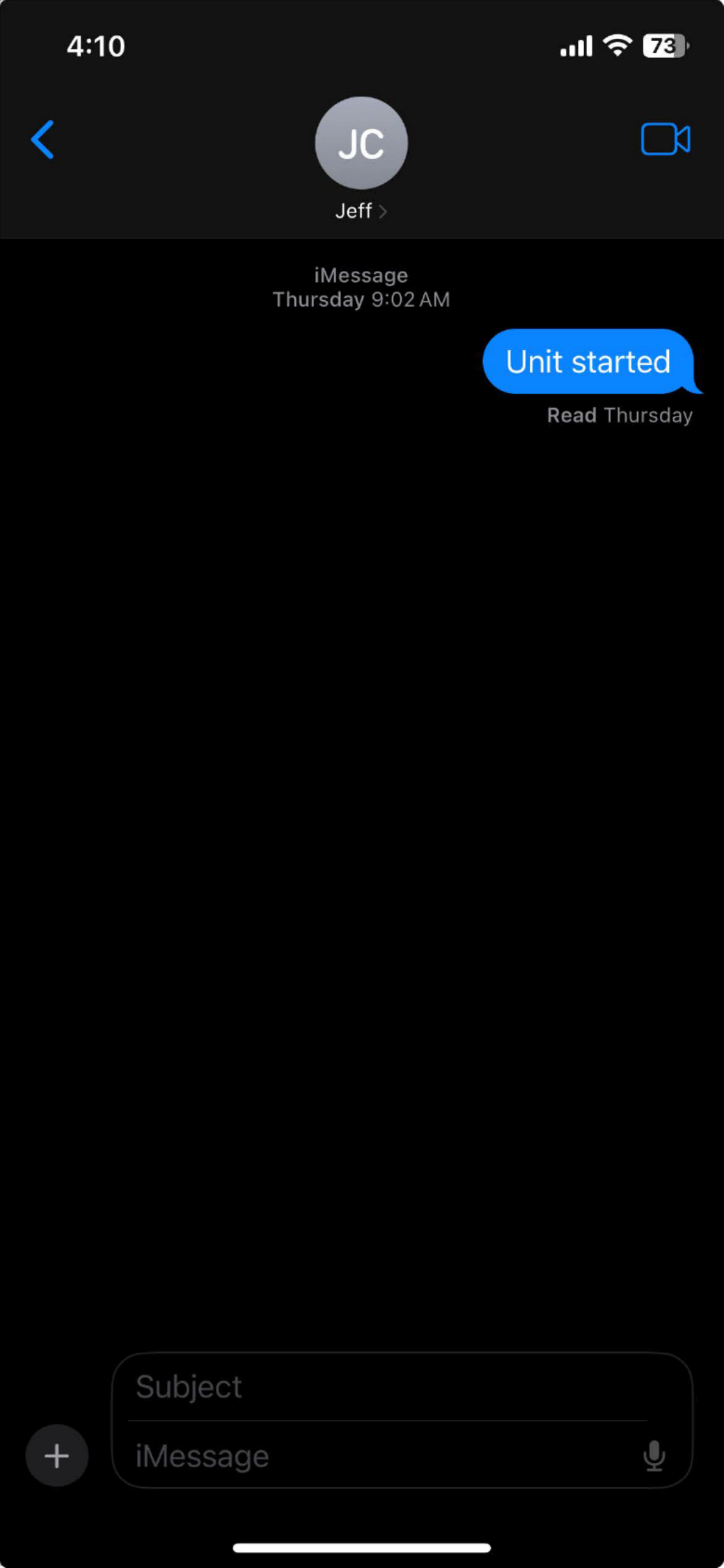
   _____

☐ **Alternate/Hybrid Premises Management** (describe below)

RESTOCKING

1. For premises undergoing active virus elimination, following depopulation and completion of virus elimination activities, the premises will remain free of avian species for at least 14 days. During this time, environmental sampling will be performed by State and/or VS personnel. If environmental tests are negative, the producer may request permission to restock after the 14-day downtime requirement is met. (States may have additional requirements added here)
2. State and VS personnel must concur in writing prior to any restocking activities. If restocking occurs without prior written approval of State and VS officials, this repopulation is at the producer's risk. VS will not indemnify previously affected premises that are restocked without prior written approval and subsequently become re-infected.
3. Post-Quarantine Avian Influenza Poultry Surveillance
   All abnormal mortality within 60 (insert number of days) days of quarantine release should be investigated, and domestic poultry tested for avian influenza by State and/or VS personnel. Abnormal mortality is defined as follows: (Select which option applies)

___ ~~Commercial broiler turkeys: mortality in excess of 2 birds/1,000 per day;~~
___ ~~Commercial breeder turkeys: mortality in excess of 2 birds/1,000 per day or a decrease in egg production of 15 percent occurring over a 2 day period;~~
___ ~~Commercial layers: 3 times normal daily mortality per day (0.13 birds per 1,000 per day for layers from 2 50 weeks and 0.43 per 1,000 per day for layers over 50 weeks) or 5 percent drop in egg production over 3 days;~~
___ ~~Commercial broiler breeders: mortality in excess of 2 birds per 1,000 per day;~~
___ ~~Commercial broilers: mortality in excess of 3.5 birds per 1,000 per day;~~
___ ~~Small volume, high value commercial poultry: any sudden and significant mortality event or sudden drop in egg production.~~
x Other (define below)
   Ducks: Any sudden and significant mortality event or sudden drop in egg production should be investigated for a duration of 28 days (2 incubation Periods).


4:10
73
JC
Jeff
iMessage
Thursday 9:02 AM
Unit started
Read Thursday
Subject
iMessage

National Veterinary Services Laboratories
PO Box 844
Ames, Iowa 50010
Phone: 515-337-7514 **Fax**: 515-337-7938
FEDERAL RELAY SERVICE (Voice/TTY/ASCII/Spanish) 1-800-877-8339
The USDA is an equal opportunity provider and employer.

PARTIAL REPORT

Laboratory Test Report

Sensitive But Unclassified/Sensitive Security Information - Disseminate on a Need-To-Know Basis Only

Owner
Crescent Duck Farm
Eastport, NY
Animal Location
Suffolk County NY, United States, Prem ID s87(2)(i)
Submitter - 504380
Ingrid Phillips
Cornell University
NY State Veterinary Diagnostic Laboratory
240 Farrier Rd
PO Box 5786
Ithaca, NY 14853
Phone #: 607-235-3938

Accession Number: **25-001671**

Date Collected: 01/15/2025
Date Received: 01/17/2025
Date Completed:
Collected By: Dr Gavin Hitchener
Purpose: General Diagnostic
Commercial Poultry

Referral Number: 010903-25

Country Origin/Destination:
This is not a billable case.

NOTE: Condition of the sample(s) was adequate unless otherwise noted.

Sample: 010903-25-1 **Animal ID:** Duck 1 - young **Specimen Type:** Swab, Brain **Species:** Duck, Pekin
Text ID: 25-001671-001

RRTPCR IAV	RRT-PCR EA H5 HPAI	RRT-PCR IAV N1	RRT-PCR 2.3.4.4b NP (B3.13)
Detected (Ct 18.9)	Detected (Ct 19.9)	Not Detected	Detected (Ct 34.8)

Sample: 010903-25-2 **Animal ID:** Duck 2 - young **Specimen Type:** Swab, Brain **Species:** Duck, Pekin
Text ID: 25-001671-002

RRTPCR IAV	RRT-PCR EA H5 HPAI	RRT-PCR IAV N1	RRT-PCR 2.3.4.4b NP (B3.13)
Detected (Ct 19.4)	Detected (Ct 20.3)	Not Detected	Not Detected

Sample: 010903-25-3 **Animal ID:** Duck 3 - middle **Specimen Type:** Swab, Brain **Species:** Duck, Pekin
Text ID: 25-001671-003

RRTPCR IAV	RRT-PCR EA H5 HPAI	RRT-PCR IAV N1	RRT-PCR 2.3.4.4b NP (B3.13)
Detected (Ct 22.9)	Detected (Ct 24.5)	Not Detected	Not Detected

Sample: 010903-25-4 **Animal ID:** Duck 4 - middle **Specimen Type:** Swab, Brain **Species:** Duck, Pekin
Text ID: 25-001671-004

RRTPCR IAV	RRT-PCR EA H5 HPAI	RRT-PCR IAV N1	RRT-PCR 2.3.4.4b NP (B3.13)
Detected (Ct 15.0)	Detected (Ct 15.6)	Not Detected	Detected (Ct 28.9)

Sample: 010903-25-5 **Animal ID:** Duck 5 - developer **Specimen Type:** Swab, Brain **Species:** Duck, Pekin
Text ID: 25-001671-005

RRTPCR IAV	RRT-PCR EA H5 HPAI	RRT-PCR IAV N1	RRT-PCR 2.3.4.4b NP (B3.13)
Detected (Ct 15.3)	Detected (Ct 16.0)	Not Detected	Detected (Ct 28.9)

Sample: 010903-25-6 **Animal ID:** Duck 6 - developer **Specimen Type:** Swab, Brain **Species:** Duck, Pekin
Text ID: 25-001671-006

RRTPCR IAV	RRT-PCR EA H5 HPAI	RRT-PCR IAV N1	RRT-PCR 2.3.4.4b NP (B3.13)
Detected (Ct 24.1)	Detected (Ct 26.3)	Not Detected	Not Detected

Date Generated: 1/17/2025

Sample: 010903-25-7 **Animal ID:** Duck 7 - developer **Specimen Type:** Swab, Brain **Species:** Duck, Pekin
Text ID: 25-001671-007

RRTPCR IAV	RRT-PCR EA H5 HPAI	RRT-PCR IAV N1	RRT-PCR 2.3.4.4b NP (B3.13)
Detected (Ct 17.2)	Detected (Ct 18.6)	Not Detected	Detected (Ct 32.5)

Samples were tested for influenza A by molecular assays including a real-time RT PCR targeting the cleavage site of highly pathogenic avian influenza Eurasian lineage goose/Guangdong H5 clade 2.3.4.4b (RRT-PCR EA H5 HPAI) as well as an assay that detects the nucleoprotein gene of genotype B3.13 (RRT-PCR 2.3.4.4b NP (B3.13)). NOTE: the NP assay serves as an early warning tool for the B3.13 when the NP Ct is within 3-4 Ct of the other assays and rules out B3.13 if not detected. However, where the NP result is upshifted by 5 Ct or more compared the other assays, full genotype is determined by sequencing. Molecular testing reported on 01/17/2025.

Note: *TextID is utilized for sequence identification at the NVSL and has been added to DVL reports to aid in linking sequence data when available to submissions.*

Results authorized by: Dr. Mia Kim Torchetti, Director, Diagnostic Virology Laboratory (DVL)
DVL General phone: 515-337-7551
DVL Report Email: NVSL.DVL.Reports@USDA.gov

Help Us Help You

(This new section will be updated periodically with tips for submitters.)

ATTENTION: The Animal and Plant Health Inspection Service (APHIS) is announcing its proposed adjusted user fee rates for the costs of providing certain goods and services, including veterinary diagnostic goods and services. Please visit www.regulations.gov, search for Docket NO. APHIS-2023-0058 to see the proposed fees.

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FINAL REPORT

Laboratory Test Report

Sensitive But Unclassified/Sensitive Security Information - Disseminate on a Need-To-Know Basis Only

Owner
Crescent Duck Farm
Eastport, NY
Animal Location
Suffolk County NY, United States, Prem ID:0[redacted]
Submitter - 504380
Ingrid Phillips
Cornell University
NY State Veterinary Diagnostic Laboratory
240 Farrier Rd
PO Box 5786
Ithaca, NY 14853
Phone #: 607-235-3938

Accession Number: **25-001671**

Date Collected: 01/15/2025
Date Received: 01/17/2025
Date Completed: 02/03/2025
Collected By: Dr Gavin Hitchener
Purpose: General Diagnostic
Commercial Poultry

Referral Number: 010903-25

Country Origin/Destination:
This is not a billable case.

NOTE: Condition of the sample(s) was adequate unless otherwise noted.

Sample: 010903-25-1 **Animal ID:** Duck 1 - young **Specimen Type:** Swab, Brain **Species:** Duck, Pekin
Text ID: 25-001671-001

RRTPCR IAV	*RRT-PCR EA H5 HPAI*	*RRT-PCR IAV N1*	*RRT-PCR 2.3.4.4b NP (B3.13)*
Detected (Ct 18.9)	Detected (Ct 19.9)	Not Detected	Detected (Ct 34.8)

Virus Type	*Strain ID*
HPAI	EA/AM 2.3.4.4b H5N1 (D1.1)

Sample: 010903-25-2 **Animal ID:** Duck 2 - young **Specimen Type:** Swab, Brain **Species:** Duck, Pekin
Text ID: 25-001671-002

RRTPCR IAV	*RRT-PCR EA H5 HPAI*	*RRT-PCR IAV N1*	*RRT-PCR 2.3.4.4b NP (B3.13)*
Detected (Ct 19.4)	Detected (Ct 20.3)	Not Detected	Not Detected

Virus Type	*Strain ID*
HPAI	EA/AM 2.3.4.4b H5N1 (D1.1)

Sample: 010903-25-3 **Animal ID:** Duck 3 - middle **Specimen Type:** Swab, Brain **Species:** Duck, Pekin
Text ID: 25-001671-003

RRTPCR IAV	*RRT-PCR EA H5 HPAI*	*RRT-PCR IAV N1*	*RRT-PCR 2.3.4.4b NP (B3.13)*
Detected (Ct 22.9)	Detected (Ct 24.5)	Not Detected	Not Detected

Virus Type	*Strain ID*
HPAI	EA/AM 2.3.4.4b H5N1 (D1.1)

Sample: 010903-25-4 **Animal ID:** Duck 4 - middle **Specimen Type:** Swab, Brain **Species:** Duck, Pekin
Text ID: 25-001671-004

RRTPCR IAV	*RRT-PCR EA H5 HPAI*	*RRT-PCR IAV N1*	*RRT-PCR 2.3.4.4b NP (B3.13)*
Detected (Ct 15.0)	Detected (Ct 15.6)	Not Detected	Detected (Ct 28.9)

Virus Type	*Strain ID*
HPAI	EA/AM 2.3.4.4b H5N1 (D1.1)

Date Generated: 2/3/2025

Sample: 010903-25-5 **Animal ID:** Duck 5 - developer **Specimen Type:** Swab, Brain **Species:** Duck, Pekin
Text ID: 25-001671-005

RRTPCR IAV	*RRT-PCR EA H5 HPAI*	*RRT-PCR IAV N1*	*RRT-PCR 2.3.4.4b NP (B3.13)*
Detected (Ct 15.3)	Detected (Ct 16.0)	Not Detected	Detected (Ct 28.9)

Virus Type	*Strain ID*
HPAI	EA/AM 2.3.4.4b H5N1 (D1.1)

Sample: 010903-25-6 **Animal ID:** Duck 6 - developer **Specimen Type:** Swab, Brain **Species:** Duck, Pekin
Text ID: 25-001671-006

RRTPCR IAV	*RRT-PCR EA H5 HPAI*	*RRT-PCR IAV N1*	*RRT-PCR 2.3.4.4b NP (B3.13)*
Detected (Ct 24.1)	Detected (Ct 26.3)	Not Detected	Not Detected

Virus Type	*Strain ID*
HPAI	EA/AM 2.3.4.4b H5N1 (D1.1)

Sample: 010903-25-7 **Animal ID:** Duck 7 - developer **Specimen Type:** Swab, Brain **Species:** Duck, Pekin
Text ID: 25-001671-007

RRTPCR IAV	*RRT-PCR EA H5 HPAI*	*RRT-PCR IAV N1*	*RRT-PCR 2.3.4.4b NP (B3.13)*
Detected (Ct 17.2)	Detected (Ct 18.6)	Not Detected	Detected (Ct 32.5)

Virus Type	*Strain ID*
HPAI	EA/AM 2.3.4.4b H5N1 (D1.1)

Samples were tested for influenza A by molecular assays including a real-time RT PCR targeting the cleavage site of highly pathogenic avian influenza Eurasian lineage goose/Guangdong H5 clade 2.3.4.4b (RRT-PCR EA H5 HPAI) as well as an assay that detects the nucleoprotein gene of genotype B3.13 (RRT-PCR 2.3.4.4b NP (B3.13)). NOTE: the NP assay serves as an early warning tool for the B3.13 when the NP Ct is within 3-4 Ct of the other assays and rules out B3.13 if not detected. However, where the NP result is upshifted by 5 Ct or more compared the other assays, full genotype is determined by sequencing. Molecular testing reported on 01/17/2025.

HPAI: highly pathogenic avian influenza per cleavage site analysis
EA 2.3.4.4b: H5 goose/Guangdong clade; this lineage is highly pathogenic for poultry
EA/AM: reassortant of H5 goose/Guangdong and North American wild bird lineage (genotype in table above)

Note: *TextID is utilized for sequence identification at the NVSL and has been added to DVL reports to aid in linking sequence data when available to submissions.*

Results authorized by: Dr. Mia Kim Torchetti, Director, Diagnostic Virology Laboratory (DVL)
DVL General phone: 515-337-7551
DVL Report Email: NVSL.DVL.Reports@USDA.gov

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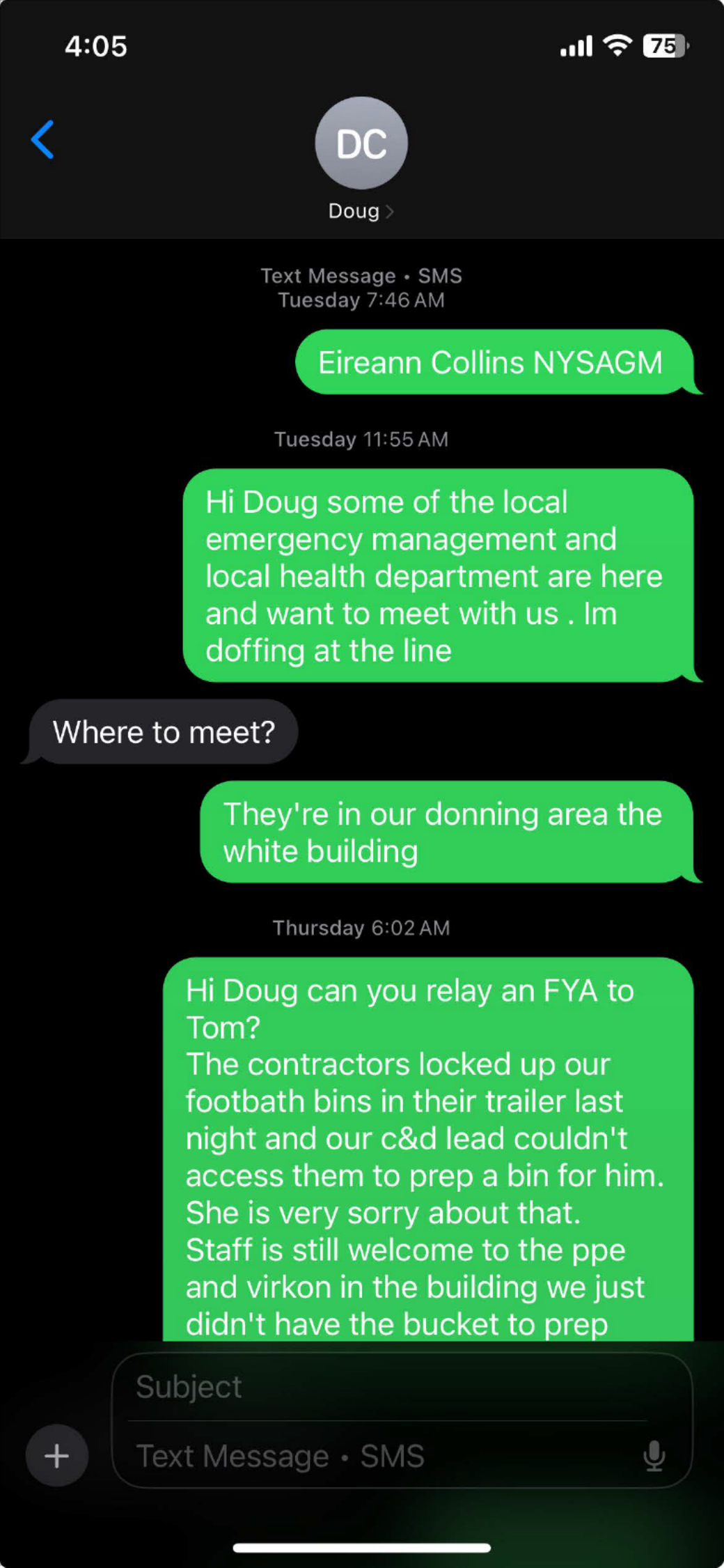

4:05
75
DC
Doug
Text Message • SMS
Tuesday 7:46 AM
Eireann Collins NYSAGM
Tuesday 11:55 AM
Hi Doug some of the local emergency management and local health department are here and want to meet with us . Im doffing at the line
Where to meet?
They're in our donning area the white building
Thursday 6:02 AM
Hi Doug can you relay an FYA to Tom?
The contractors locked up our footbath bins in their trailer last night and our c&d lead couldn't access them to prep a bin for him. She is very sorry about that.
Staff is still welcome to the ppe and virkon in the building we just didn't have the bucket to prep
Subject
Text Message • SMS

College of Veterinary Medicine

Animal Health Diagnostic Center
240 Farrier Road, Cornell University, Ithaca, NY 14853
Ph: 607-253-3900 Fax: 607-253-3943
https://ahdc.vet.cornell.edu

Interim Report

Accession Number: **010903-25**

Owner: Crescent Duck Farm
Premises ID: §87(2)(l)

Cornell Duck Research Lab - (15868)
DR Gavin Hitchener
192 Old Country Rd
Eastport, NY 11941
(631) 325-0600

Sampled: 01/15/2025
Received: 01/15/2025
Finalized:
Case Coordinator: Omyia Damaj
Reference Number: Crescent farm 1-15-2025

Anatomic Pathology

Department of Biomedical Sciences
Director Dr. Andrew D. Miller
Phone: 607-253-3319 | Fax: 607-253-3357

1 **Duck 1** - Aves - Anseriformes Pekin Duck

Body, Whole

Necropsy, Final - results pending
Necropsy, Gross - results pending

Molecular Diagnostics

Director Dr. Mani Lejeune - 607-253-3900

Avian H5 Influenza Virus PCR

Item		Result	Reference Interval
1	Duck 1 - Aves - Anseriformes Pekin Duck Brain Swab Brain	**Non-Negative** Ct Value: 20.6364	
2	Duck 2 - Aves - Anseriformes Pekin Duck Brain Swab Brain	**Non-Negative** Ct Value: 19.6852	
3	Duck 3 - Aves - Anseriformes Pekin Duck Brain Swab Brain	**Non-Negative** Ct Value: 24.5876	
4	Duck 4 - Aves - Anseriformes Pekin Duck Brain Swab Brain	**Non-Negative** Ct Value: 15.388	
5	Duck 5 - Aves - Anseriformes Pekin Duck Brain Swab Brain	**Non-Negative** Ct Value: 15.4037	
6	Duck 6 - Aves - Anseriformes Pekin Duck Brain Swab Brain	**Non-Negative** Ct Value: 25.771	
7	Duck 7 - Aves - Anseriformes Pekin Duck Brain Swab Brain	**Non-Negative** Ct Value: 17.8417	

Avian H7 Influenza Virus PCR

Avian H7 Influenza Virus PCR

Item		Result	Reference Interval
1	Duck 1 - Aves - Anseriformes Pekin Duck Brain Swab Brain	Not Detected	
2	Duck 2 - Aves - Anseriformes Pekin Duck Brain Swab Brain	Not Detected	
3	Duck 3 - Aves - Anseriformes Pekin Duck Brain Swab Brain	Not Detected	
4	Duck 4 - Aves - Anseriformes Pekin Duck Brain Swab Brain	Not Detected	
5	Duck 5 - Aves - Anseriformes Pekin Duck Brain Swab Brain	Not Detected	
6	Duck 6 - Aves - Anseriformes Pekin Duck Brain Swab Brain	Not Detected	
7	Duck 7 - Aves - Anseriformes Pekin Duck Brain Swab Brain	Not Detected	

Avian Influenza Virus PCR

Item		Result	Reference Interval
1	Duck 1 - Aves - Anseriformes Pekin Duck Brain Swab Brain	**Non-Negative** Ct Value: 19.5288	
2	Duck 2 - Aves - Anseriformes Pekin Duck Brain Swab Brain	**Non-Negative** Ct Value: 19.7941	
3	Duck 3 - Aves - Anseriformes Pekin Duck Brain Swab Brain	**Non-Negative** Ct Value: 23.7398	
4	Duck 4 - Aves - Anseriformes Pekin Duck Brain Swab Brain	**Non-Negative** Ct Value: 14.2473	
5	Duck 5 - Aves - Anseriformes Pekin Duck Brain Swab Brain	**Non-Negative** Ct Value: 14.167	
6	Duck 6 - Aves - Anseriformes Pekin Duck Brain Swab Brain	**Non-Negative** Ct Value: 24.0641	
7	Duck 7 - Aves - Anseriformes Pekin Duck Brain Swab Brain	**Non-Negative** Ct Value: 16.3983	

Avian Paramyxovirus-1 PCR

Item		Result	Reference Interval
1	Duck 1 - Aves - Anseriformes Pekin Duck Brain Swab Brain	Not Detected	
2	Duck 2 - Aves - Anseriformes Pekin Duck Brain Swab Brain	Not Detected	
3	Duck 3 - Aves - Anseriformes Pekin Duck Brain Swab Brain	Not Detected	
4	Duck 4 - Aves - Anseriformes Pekin Duck Brain Swab Brain	Not Detected	
5	Duck 5 - Aves - Anseriformes Pekin Duck Brain Swab Brain	Not Detected	
6	Duck 6 - Aves - Anseriformes Pekin Duck Brain Swab Brain	Not Detected	
7	Duck 7 - Aves - Anseriformes Pekin Duck Brain Swab Brain	Not Detected	

Test Interpretations

Avian Influenza Virus PCR Interpretation of PCR results can be found here:
https://www.vet.cornell.edu/animal-health-diagnostic-center/laboratories/molecular-diagnostics/interpretation-pcr-results

Avian Paramyxovirus-1 PCR - Interpretation is the same as Avian Influenza Virus PCR

and virkon in the building we just didn't have the bucket to prep Thanks

I put out a footbath

Great thank you!

Our C&D lead has been worried she would disappoint him

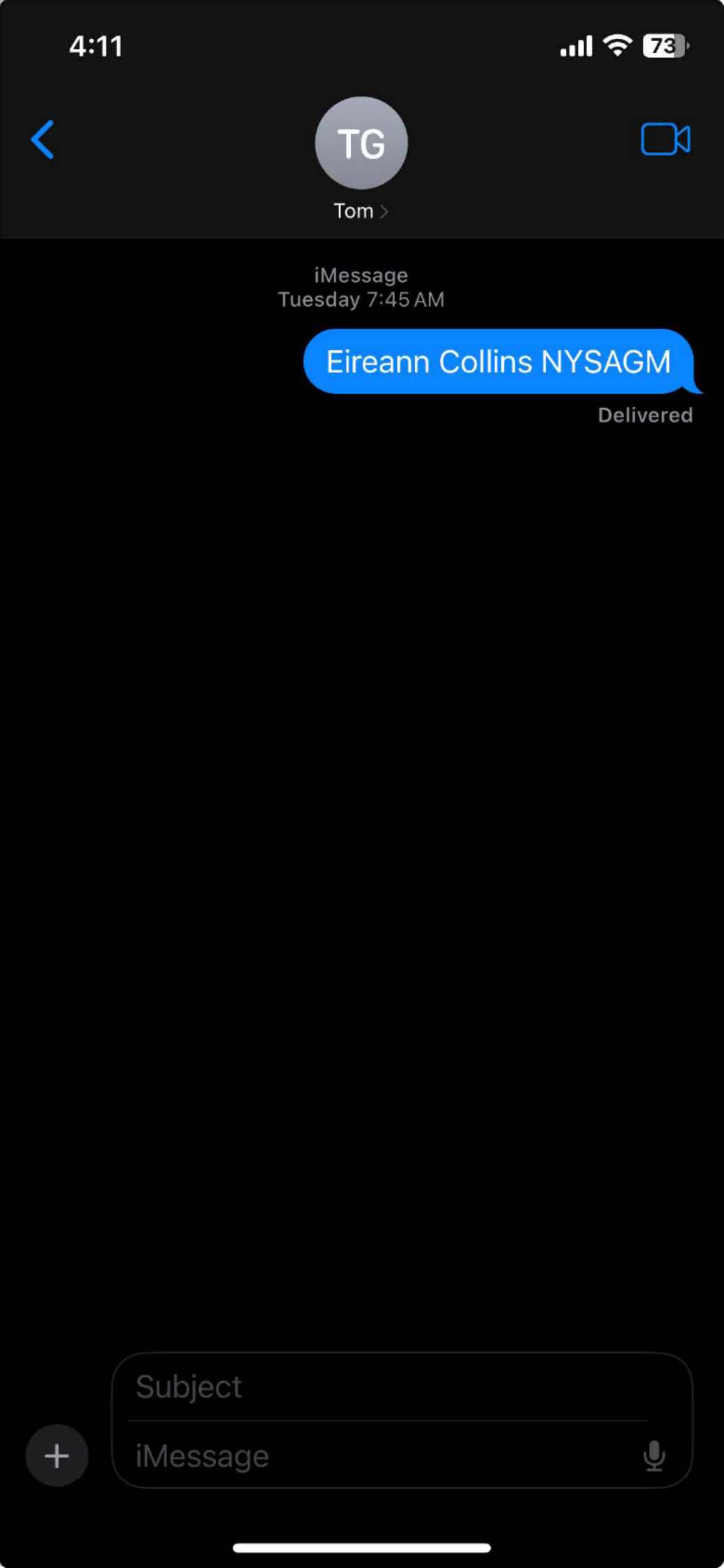
Beth is wonderful

Thursday 2:20 PM

FYA 2 older men in a shiny black pickup with a Capp drove over the cd line and turned around at the feeder and left

I saw that from my office as I talking to an assembly person. We will get some yellow tape that we can put up and down as needed

Pierce is working on it


4:11
73
TG
Tom
iMessage
Tuesday 7:45 AM
Eireann Collins NYSAGM
Delivered
Subject
iMessage

needed

Pierce is working on it

Thursday 4:33 PM

Hi Doug, would you be able to text me a picture of the drivers CDL. He's not in trouble it's just for the report. Thank you

My sister has it someplace. Can it wait until tomorrow morning?

Yes, thanks

Today 10:19 AM

Hey Doug can you let me know when the second egg movement occurs? We'll need to record it. Thank you

Good morning Dr. The second movement will happen between 12&1 pm today.

Great thank you!

iMessage
Tuesday 7:45 AM

Eireann Collins AGM

Friday 8:46 AM

Hey we're gonna get started in the next 15 to 2 depending on water can someone move this truck?

Delivered

needed

Pierce is working on it

Thursday 4:33 PM

Hi Doug, would you be able to text me a picture of the drivers CDL. He's not in trouble it's just for the report. Thank you

My sister has it someplace. Can it wait until tomorrow morning?

Yes, thanks

Today 10:19 AM

Hey Doug can you let me know when the second egg movement occurs? We'll need to record it. Thank you

Good morning Dr. The second movement will happen between 12&1 pm today.

Great thank you!

USDA Animal and Plant Health Inspection Service
U.S. DEPARTMENT OF AGRICULTURE

HPAI Response

Appraisal and Indemnity Request

October 31, 2023

APPENDIX 1H–INDEMNITY AND COMPENSATION REQUEST FOR HPAI

Note: For use in WOAH Poultry or Non-Poultry flocks **with greater than 500 birds** or estimated total indemnity and compensation costs over $10,000. This form is only an estimate of payment; actual payment is based on verified inventory and activities performed and approved on the premises.

1. **Premises ID #:** §87(2)(i)
2. **State abbreviation, county, and site #:** NY, Suffolk §87(2)(i)
3. **Reason for testing** (routine, clinical signs, etc.): High Mortality
4. **Clinical signs present, date of onset, and populations involved** (number of barns affected, number of total barns present):

   1/12/25, Pancreatic necrosis and conjunctival hemorrhages, and high mortality, multiple barns affected.

5. Please list all the current test results available for this premises (include date and location of testing). For PCR, please list the Ct values:

   01/15/25 Cornell Animal Health Diagnostic Center,Ithaca, NY Avian H5 Influenza Virus PCR Ct Values: 20.63642, 19.68523, 24.58764, 15.388, 15.4037, 25.771, 17.8417.
   01/17/25 NVSL, Ames, IA H5 HPAI PCR Ct Value: 19.9, 20.3,24.5, 15.6, 16, 26.3, 18.6

6. Please list the number of domestic poultry on the farm, as well as the sexes, ages, types, and prices/bird:

Barn #	# Birds	Sex	Ages	Type	Price/Bird
§87(2)(i), §87(2)(i)	5580	☑ M ☑ F	3 Days	Pekin Duck	0.98
	9578	☑ M ☑ F	6 Days	Pekin Duck	0.98
	10688	☑ M ☑ F	10 Days	Pekin Duck	0.98
	10716	☑ M ☑ F	13 Days	Pekin Duck	0.98
	9451	☑ M ☑ F	17 Days	Pekin Duck	0.98
	5895	☑ M ☑ F	20 Days	Pekin Duck	0.98
	10045	☑ M ☑ F	24 Days	Pekin Duck	0.98
	11372	☑ M ☑ F	27 Days	Pekin Duck	0.98
	10622	☑ M ☑ F	31 Days	Pekin Duck	0.98
	2773	☑ M ☑ F	6-9 Weeks	Pekin Duck	0.98
	3329	☑ M ☑ F	22-27 Weeks	Pekin Duck	6.14

Total: 99,974

7. List the number of **commercial premises** in the following zones surrounding the infected premises:
   a. Within 1km (Neighboring): 0
   b. Within 3km (Infected Zone): 1
   c. Within 10km (Buffer Zone): 2

8. *If known:* List the number of **backyard premises** in the following zones surrounding the infected premises:
   a. Within 1km (Neighboring): 0
   b. Within 3km (Infected Zone): 0
   c. Within 10km (Buffer Zone): 1

9. What are the estimated number of additional **At-Risk Premises**, not included in the numbers above (this would include premises closely related by the network, business processes, or those identified by trace-in/trace-out):

   1

10. Please indicate the **number of barns/houses on the premises, as well as their dimensions** (length x width for floor raised birds, length x width x height for caged birds):

Barn	§87(2)(i), §87(2)(d)	Size:	§87(2)(i), §87(2)(d)
Barn		Size:	
Barn		Size:	
Barn		Size:	
Barn		Size:	
Barn		Size:	
Barn		Size:	
Barn		Size:	
Barn		Size:	
Barn		Size:	
Barn		Size:	

11. **Response Methods and Timelines:** Please Indicate the State and/or Industry recommendation for the management for this flock (include depopulation & disposal method and timeline for both). Please indicate your reasoning for this recommendation:
Depopulation method: FOAM CO2, Backup - KEDS
Timeline: 01/21/25-01/24/25
Disposal method: On SIte Indoor/ Outdoor Compost
Timeline: 01/21/25-02/21/25
Will NVS Equipment be requested? If so, please give a detailed estimate of what might be needed.
For Depopulation: FOAM CO2
For Disposal:

12. Please indicate the **approximate indemnity and compensation** being requested for this flock (for Owner and/or Grower)***:
   a. Indemnity (supplied by ICE Team with number and age of birds): $ 166,365.16
   b. Depopulation and Disposal: $ 493,871.56
   c. Virus Elimination: $ 151,398.94

*(***A Field Reimbursement Specialist or Avian Indemnity Team member can assist with estimates. Actual payment is based on verified inventory and activities performed and approved on the premises.)*

Signature(s) and title(s) of Official making the above recommendation. (State and Industry can submit separate forms or a joint form).

State Animal Health Official:

Print Name	Signature	Date
Joy Bennett	Joy Bennett Digitally signed by Joy Bennett Date: 2025.01.18 17:31:17 -05'00'	1/18/2025

Area Veterinarian in Charge:

Print Name	Signature	Date
(b) (6)	(b) (6) Digitally signed by (b) (6) (b) (6) Date: 2025.01.18 17:11:12 -05'00'	1/18/2025

USDA APHIS VS Determination:

☐ Approve on-site depopulation as recommended above.

☐ USDA/APHIS VS is **NOT** in agreement with the recommendation above.

☐ Federal indemnification is authorized for the depopulation methods referenced above.

Reason for difference in agreement:

☐ More information is needed.

☐ A decision will be made within 12 hours once the information requested below is provided (enter information needed here:)

USDA APHIS VS ICG Official:

Print Name	Signature	Date

Poultry Owner/Grower:

Print Name	Signature	Date

Addendum-

Additional Inventory and Barns

Barn # [redacted]	**# Birds 1510**	**Sex: M F**	**Ages: 18-22 Weeks**	**Type: Pekin Duck**	**Price/Bird: 6.14**
Barn #	**# Birds 2378**	**Sex: M F**	**Ages: 35 Weeks**	**Type: Pekin Duck**	**Price/Bird: 6.14**
Barn #	**# Birds 1300**	**Sex:MF**	**Ages: 43 Weeks**	**Type: Pekin Duck**	**Price/Bird: 6.14**
Barn #	**# Birds 1476**	**Sex:MF**	**Ages: 50 Weeks**	**Type: Pekin Duck**	**Price/Bird: 6.14**
Barn #	**# Birds 508**	**Sex:MF**	**Ages: 52 Weeks**	**Type: Pekin Duck**	**Price/Bird: 6.14**
Barn #	**# Birds 1032**	**Sex:MF**	**Ages: 58 Weeks**	**Type: Pekin Duck**	**Price/Bird: 6.14**
Barn #	**# Birds 1721**	**Sex:MF**	**Ages: 98 Weeks**	**Type: Pekin Duck**	**Price/Bird: 6.14**

Barn # [redacted]	Size: [redacted]
Barn #	Size:
Barn #	Size:
Barn #	Size:
Barn #	Size
Barn #	Size: