



IOWA DEPARTMENT OF
AGRICULTURE &
LAND STEWARDSHIP

IDALS End of Day Summary Report

Tuesday 3/15/22

Accomplishments of Tuesday March 15, 2022

1. Composting is being finalized at BV01
 - a. Compost piles set 3/12/22 not capped yet
2. Taylor01
 - a. Tested [REDACTED] as a contact premises to Tay1 – results continue to be negative
 - b. Composting SME – Ken Powell is on site
 - c. Loads of carbon are being delivered
 - d. Jeremy McNeel, AHT from USDA arrived on site today
3. Federal resources will arrive tomorrow 3/16/22
 - a. Dr. Samantha Bruce Case Manager
 - b. Dr. Julie Aebi Case Manager

Goals for Wednesday, March 16, 2022

1. Ongoing identification of staffing gaps
2. Finish full narrative for Coop Agreement
3. Tay1 – get three heaters deconned and return hauling back
4. Greet and orient new federal case managers

Parking lot

1. Potential action on exhibitions and swap meets

At a Glance

Site	Prem	Confirm	Depop	Disposal	C/D	Fallow	Released
BV1		3/6/22	3/7/22	Only need capping	-	-	-
Pott1		3/1/22	3/1/22	Incineration	-	Until 8/1	-
Tay1		3/10/22	Complete 3/13/22	Initial stages of composting	-	-	-

Narrative of each site

BV1

- On 3/6/22 BV1 observed clinical signs and symptoms in [REDACTED]; samples delivered to NVSL by 1:15 pm. Iowa NAHLN lab not deployed because closed/Sunday.
- Dr. Greg Schmitt deployed to site to begin epi and prepare for depopulation.
- NVSL confirmed positive 4:30 pm.
- VSD+ building preparation continue, barns closed for last time at midnight. All depopulation activities done by 11 am on 3/7/22. [REDACTED] depopulated.
- Control zone includes [REDACTED] potential backyard flocks
- Surveillance zone contains [REDACTED] potential backyard flocks.
- Composting planned to start Friday, 3/11/22
- Composting equipment permitted onto site 3/10/22
- Disposal - One building completed 3/11/22
- Composting complete other than capping 3/12/22

Pott1

- Backyard mixed species flock of chickens and ducks that had experienced 100% mortality on [REDACTED] chickens between 2/17/22 and 2/28/22.
- Sample submitted to Nebraska NAHLN lab 2/22/22.
- NE NAHLN lab conducted IAV matrix PCR and H5 PCR on the submitted chicken on 2/28/22; presumptive/non-negative results.
- The ducks were sampled on 2/28/22 and non-negative results were received 3/1/22 from NVSL.
- NVSL confirmed by PCR on 3/1/2022. 10 km surveillance zone established. [REDACTED] ducks depopulated 3/1/22.
- Surveillance zone contains one contact/epi-linked backyard prem; one backyard; and [REDACTED]
 - Contact/epi-linked prem tested on 3/2/22; negative.
 - One additional backyard identified in surveillance zone, not possible to make contact.
 - [REDACTED] in surveillance zone; tested negative on 3/4/22.

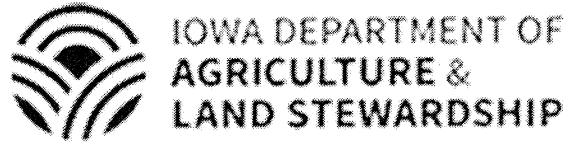
Tay1

- [REDACTED] confirmed positive on 3/10/22
- Written quarantine was issued
- Positive tested building was depopulated with VSD+heat
- Depop was initiated in the infected barn 3/11/22
- Depop complete 3/14/22
- Flock plan completed 3/14/22
- Site seems to be embracing the C&D line takeover with enthusiasm
- USDA AHT Jeremy McNeel started onsite today.

Iowa Response Goals and Strategies

Goals – The goal is to minimize production downtime of affected producers and minimize the number of producers affected. This will be achieved through early detection, rapid depopulation, and thorough cleaning with follow-up testing.

Strategies – The tools used to achieve the above goals will include well-staffed and responsive field teams, sampling and testing of symptomatic flocks and contact flocks followed with epidemiology tracing, quarantines, and permitting.



IDALS End of Day Summary Report

Wednesday 3/16/22

Accomplishments of Wednesday March 16, 2022

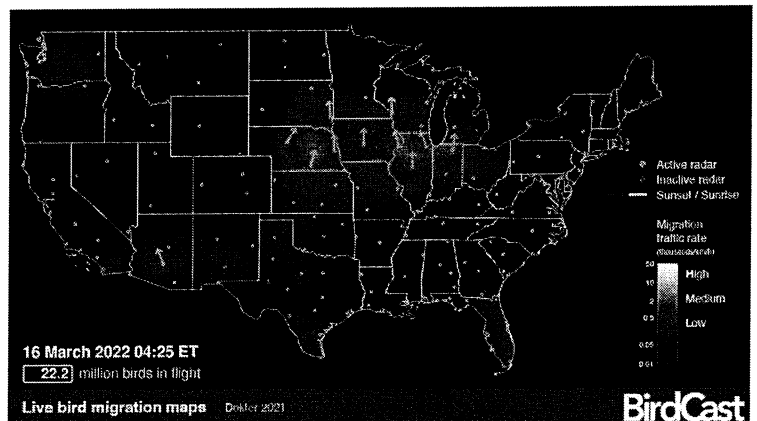
1. Composting is being finalized at BV01
 - a. Compost piles set 3/12/22 and [REDACTED] is capped and [REDACTED] are partially capped
2. Taylor01
 - a. Tested [REDACTED] as a contact premises to Tay1 – results continue to be negative
 - b. Composting SME – Ken Powell is on site
 - c. Loads of carbon are being delivered
 - d. USDA's current number depopulated is [REDACTED] was the number we used previous to this, as supplied by the farm manager on day 1)
3. Federal resources arrived and went through orientation
 - a. Dr. Samantha Bruce Case Manager – will be working at Taylor 1 with Dr. Rychnovsky
 - b. Dr. Julie Aebi Case Manager – will be putting together a training session about the steps of working through a newly tested positive site
4. Policy on restocking in the control zone before the 14 days has been set by the USDA – there will be a 14-day ban on indemnity from the date of restocking. The criteria to release a control area are:
 - a. Fourteen days have passed since the last infected premises in the control area has been depopulated and disposed, for example the compost pile has been capped or mortality buried.
 - b. Initial virus elimination activities on the last Infected Premises are completed (including, but not limited to, equipment, trucks, and other potential fomites used in depopulation activities). This does not include barn interiors.
 - c. Required outbreak testing and surveillance in the Control Area (commercial premises and backyard premises) has been completed; there is no evidence of HPAI infection in the Control Area.

Goals for Thursday, March 17, 2022

1. Ongoing identification of staffing gaps
2. Finish full narrative for Coop Agreement
3. Tay1 – get three heaters deconned and return hauling back
4. Greet and orient new federal Lupe Marquez as a field reimbursement specialist
5. Release the Pott1 quarantine from the dangerous contact site.
6. Conduct siter manager training for IDALS staff with onsite USDA assistance.

Parking lot

1. Potential action on exhibitions and swap meets



At a Glance

Site	Prem	Confirm	Depop	Disposal	C/D	Fallow	Released
BV1		3/6/22	3/7/22	Only need capping	-	-	-
Pott1		3/1/22	3/1/22	Incineration	-	Until 8/1	-
Tay1		3/10/22	Complete 3/13/22	Initial stages of composting	-	-	-

Surveillance Testing

Site	Date	Sites Sampled	Result
BV1	3/12		All negative
Taylor1	3/12		Negative
BV1	3/13		All negative
Emmet County	3/13		Negative
BV1	3/14		All Negative
Taylor1	3/14		Negative
Emmet County	3/14		All negative
Jackson County	3/14		Negative
Taylor1	3/15		Negative
Webster	3/15		Negative

Narrative of each site

BV1

- On 3/6/22 BV1 observed clinical signs and symptoms in [REDACTED]; samples delivered to NVSL by 1:15 pm. Iowa NAHLN lab not deployed because closed/Sunday.
- Dr. Greg Schmitt deployed to site to begin epi and prepare for depopulation.
- NVSL confirmed positive 4:30 pm.
- VSD+ building preparation continue, barns closed for last time at midnight. All depopulation activities done by 11 am on 3/7/22. [REDACTED]

5. Control zone include [REDACTED] potential backyard flocks
6. Surveillance zone contains [REDACTED] potential backyard flocks.
7. Composting planned to start Friday, 3/11/22
8. Composting equipment permitted onto site 3/10/22
9. Disposal - One building completed 3/11/22
10. Composting complete other than capping 3/12/22 and capping is partially complete

Pott1

1. Backyard mixed species flock of chickens and ducks that had experienced 100% mortality on [REDACTED] chickens between 2/17/22 and 2/28/22.
2. Sample submitted to Nebraska NAHLN lab 2/22/22.
3. NE NAHLN lab conducted IAV matrix PCR and H5 PCR on the submitted chicken on 2/28/22; presumptive/non-negative results.
4. The ducks were sampled on 2/28/22 and non-negative results were received 3/1/22 from NVSL.
5. NVSL confirmed by PCR on 3/1/2022. 10 km surveillance zone established. [REDACTED] ducks depopulated 3/1/22.
6. Surveillance zone contains one contact/epi-linked backyard prem; one backyard; and [REDACTED]
 - a. Contact/epi-linked prem tested on 3/2/22; negative.
 - b. One additional backyard identified in surveillance zone, not possible to make contact.
 - c. [REDACTED] in surveillance zone; tested negative on 3/4/22.
7. The dangerous contact site quarantine will be released tomorrow.
8. Surveillance is now complete.

Tay1

1. [REDACTED] confirmed positive on 3/10/22 (number changed from [REDACTED] as per official USDA paperwork)
2. Written quarantine was issued
3. Positive tested building was depopulated with VSD+heat
4. Depop was initiated in the infected barn 3/11/22
5. Depop complete 3/14/22
6. Flock plan completed 3/14/22
7. Site seems to be embracing the C&D line takeover with enthusiasm
8. USDA AHT Jeremy McNeel is now on site 3/15/22.

Iowa Response Goals and Strategies

Goals – The goal is to minimize production downtime of affected producers and minimize the number of producers affected. This will be achieved through early detection, rapid depopulation, and thorough cleaning with follow-up testing.

Strategies – The tools used to achieve the above goals will include well-staffed and responsive field teams, sampling and testing of symptomatic flocks and contact flocks followed with epidemiology tracing, quarantines, and permitting.



IOWA DEPARTMENT OF
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IDALS End of Day Summary Report

Friday 3/18/22

Accomplishments of Friday March 18, 2022

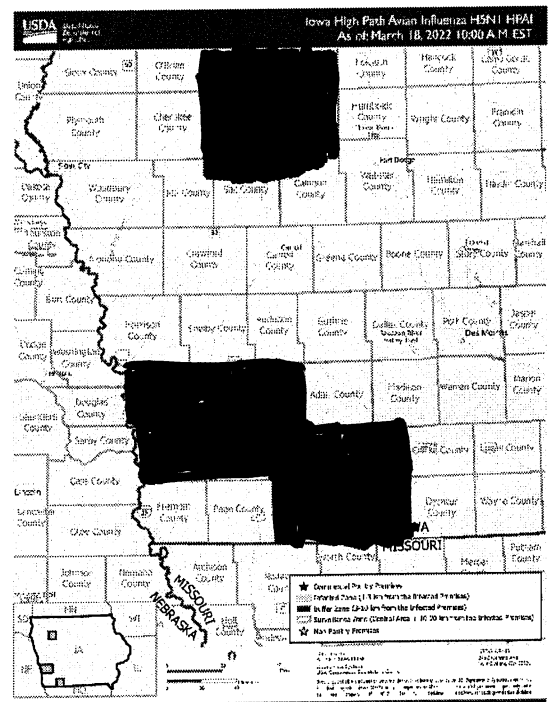
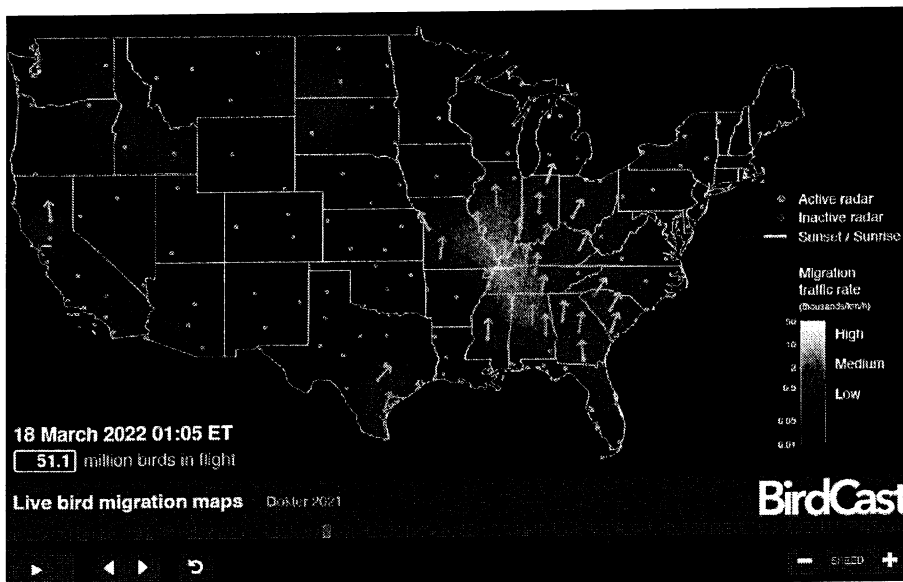
1. Taylor1
 - a. Tested [REDACTED] as a contact premises to Tay1 – results continue to be negative will switch to every other day starting Saturday
 - b. Composting SME – Ken Powell is on site, carbon being delivered, composting ongoing.
2. Federal field reimbursement specialist Lupe Marquez is finishing at Taylor 1 and moving to BV2 tomorrow
3. BV2 started depop and has completed the [REDACTED] and [REDACTED] by tonight. Using C02 carts in the [REDACTED] containing [REDACTED].
 - a. Surveillance testing has started.
4. Making preparations for the partial national IMT arrival on Tuesday – looking for ICP space.

Goals for Saturday, March 19, 2022

1. Ongoing identification of staffing gaps
2. Finish full narrative for Coop Agreement
3. Monitor and assist with VSD+ at BV2

Parking lot

1. Potential action on exhibitions and swap meets



Site	Prem	Confirm	Depop	Disposal	C/D	Fallow	Released
BV1		3/6/22	3/7/22	Capping is complete	Initial VE	-	-
Pott1		3/1/22	3/1/22	Incineration	-	Until 8/1	SZ released 3/17/22
Tay1		3/10/22	Complete 3/13/22	Initial stages of composting	-	-	-
BV2		3/17/22	Started 3/18/22-	-	-	-	-

Surveillance Testing

Site	Date	Sites Sampled	Result
BV1	3/12		All negative
Taylor1	3/12		Negative
BV1	3/13		All negative
Emmet County	3/13		Negative
BV1	3/14		All Negative
Taylor1	3/14		Negative
Emmet County	3/14		All negative
Jackson County	3/14		Negative
Taylor1	3/15		Negative
Webster	3/15		Negative
Pott1	3/16		Negative
Tay1	3/16		Negatives
Tay1	3/18		Negative
Boone	3/18		Negative
Montgomery	3/18		Negative

Narrative of each site

BV1

- On 3/6/22 BV1 observed clinical signs and symptoms in [REDACTED] to NVSL by 1:15 pm. Iowa NAHLN lab not deployed because closed/Sunday.
- Dr. Greg Schmitt deployed to site to begin epi and prepare for depopulation.
- NVSL confirmed positive 4:30 pm.
- VSD+ building preparation continue, barns closed for last time at midnight. All depopulation activities done by 11 am on 3/7/22. [REDACTED]
- Control zone includes [REDACTED] potential backyard flocks

6. Surveillance zone contains [REDACTED] commercial prems [REDACTED] potential backyard flocks.
7. Composting planned to start Friday, 3/11/22
8. Composting equipment permitted onto site 3/10/22
9. Disposal - [REDACTED] completed 3/11/22
10. Composting complete and caps were placed 3/17/22
11. Initial virus elimination was completed 3/17/22

Pott1

1. Backyard mixed species flock of chickens and ducks that had experienced 100% mortality on [REDACTED] chickens between 2/17/22 and 2/28/22.
2. Sample submitted to Nebraska NAHLN lab 2/22/22.
3. NE NAHLN lab conducted IAV matrix PCR and H5 PCR on the submitted chicken on 2/28/22; presumptive/non-negative results.
4. The ducks were sampled on 2/28/22 and non-negative results were received 3/1/22 from NVSL.
5. NVSL confirmed by PCR on 3/1/2022. 10 km surveillance zone established [REDACTED] ducks depopulated 3/1/22.
6. Surveillance zone contains one contact/epi-linked backyard prem; one backyard; and [REDACTED]
 - a. Contact/epi-linked prem tested on 3/2/22; negative.
 - b. One additional backyard identified in surveillance zone, not possible to make contact.
 - c. [REDACTED] zone; tested negative on 3/4/22.
7. The dangerous contact site quarantine released 3/17/22
8. Surveillance is now complete, as of 3/17/22; Surveillance zone was released 3/17/22

Tay1

1. [REDACTED] confirmed positive on 3/10/22 (number changed from 918,873, as per official USDA paperwork)
2. Written quarantine was issued
3. Positive tested building was depopulated with VSD+heat
4. Depop was initiated in the infected barn 3/11/22
5. Depop complete 3/14/22
6. Flock plan completed 3/14/22
7. Site seems to be embracing the C&D line takeover with enthusiasm
8. USDA AHT Jeremy McNeel is now on site 3/15/22
9. All mobile heaters were returned 3/17/22
10. Lupe Marquez arrived on site as a USDA Field Reimbursement Specialist 3/17/22

BV2

1. Positive result was received late today 3/17/22
2. Sent Dr. Schmidt and Dr. Aebi (USDA VMO Case manager) to the site 3/17/22
3. Started working with Dr. Richard Gates from ISU on VSD+ calculations 3/17/22
4. Sent in paperwork to get VSD+ approved from USDA 3/17/22
5. Initiated VSD+ by [REDACTED] They are also working with putting down [REDACTED]
[REDACTED] with CO2 carts 3/18/22

Iowa Response Goals and Strategies

Goals – The goal is to minimize production downtime of affected producers and minimize the number of producers affected. This will be achieved through early detection, rapid depopulation, and thorough cleaning with follow-up testing.

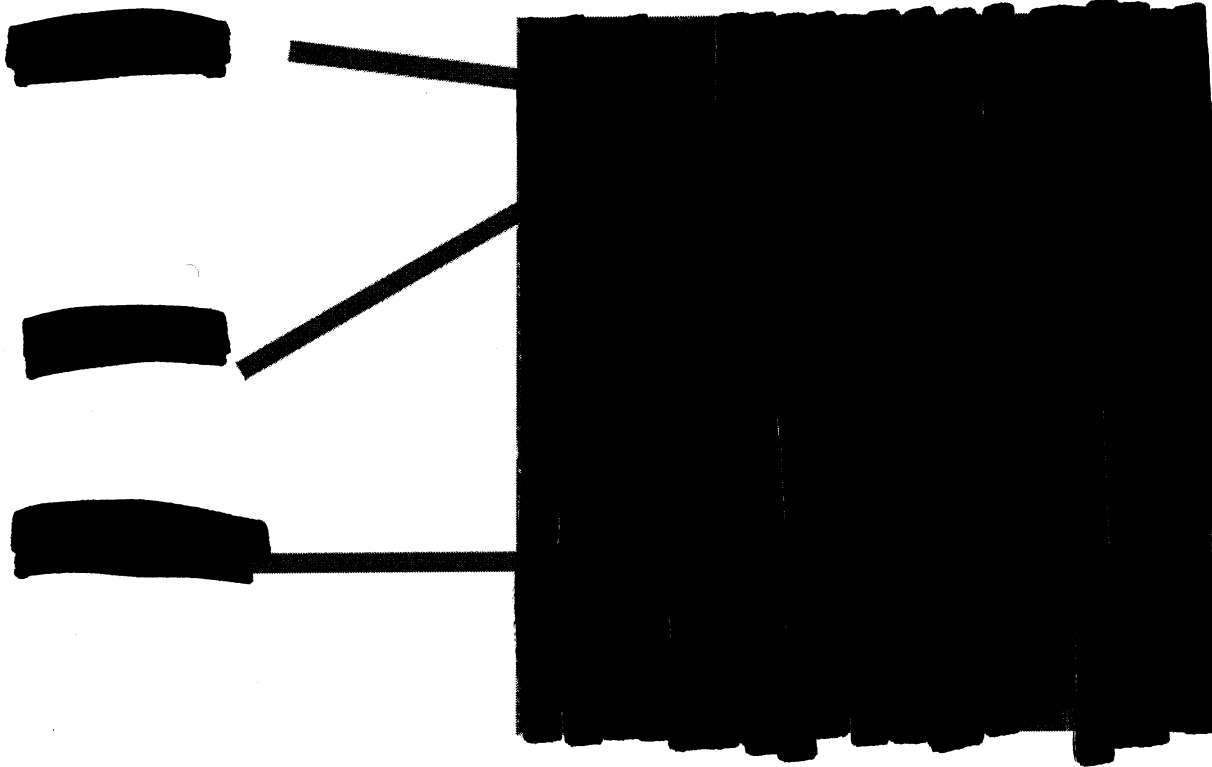
Strategies – The tools used to achieve the above goals will include well-staffed and responsive field teams, sampling and testing of symptomatic flocks and contact flocks followed with epidemiology tracing, quarantines, and permitting.

Reece, Kelley

From: Lee, James O - APHIS <james.o.lee@usda.gov>
Sent: Thursday, March 17, 2022 1:21 PM
To: kevin.l.petersburg;Kaisand, Jeff;Pruisner, Robin;Brick, Troy;Rumsey, Katie
Subject: RE: [External Email] [REDACTED]

Categories: Green Category

It looks like we have all the sites they have on that spreadsheet- the three listed below are OUTSIDE the 10k Control Area. Dee can check those Animal Businesses listed below because both [REDACTED] and [REDACTED] are listed as [REDACTED] so we may need to confirm if there are birds there are not. They did not have the [REDACTED] on their spreadsheet.



James Lee DVM MPH Dipl. ACVPM
Epidemiology Officer- Iowa
USDA APHIS Veterinary Services, Field Operations- District 2
210 Walnut Street, Room 891 | Des Moines, IA 50309-2105
Cell: (774) 276-7787
Office: (515) 323-2104
James.O.Lee@usda.gov

From: Petersburg, Kevin L - APHIS <kevin.l.petersburg@usda.gov>
Sent: Thursday, March 17, 2022 12:59 PM
To: Lee, James O - APHIS <james.o.lee@usda.gov>; Jeff.Kaisand@iowaagriculture.gov;
robin.pruisner@iowaAgriculture.gov; troy.brick@iowaagriculture.gov; Rumsey, Katie

<Katie.Rumsey@lowaagriculture.gov>

Subject: Fwd: [External Email] [REDACTED]

The Word document and EXCEL spreadsheet may show more premises in 10km. The company hired a contractor to do this.

Get Outlook for iOS

From: [REDACTED]

Sent: Thursday, March 17, 2022 12:40 PM

To: Petersburg, Kevin L - APHIS <kevin.l.petersburg@usda.gov>

Cc: Marquez, Lupe G - APHIS <lupe.g.marquez@usda.gov>; Jeff.Kaisand@lowaagriculture.gov

<Jeff.Kaisand@lowaagriculture.gov>; robin.pruisner@lowaAgriculture.gov <robin.pruisner@lowaAgriculture.gov>

Subject: [External Email] [REDACTED]

[External Email]

If this message comes from an **unexpected sender** or references a **vague/unexpected topic**;

Use caution before clicking links or opening attachments.

Please send any concerns or suspicious messages to: Spam.Abuse@usda.gov

I will call you on this, Kevin.

As requested, we updated the separation maps for the [REDACTED]. We updated the legend to include beef and swine facilities, and all of the CAFO facilities shown on the maps are specifically listed in the attached spreadsheet. This spreadsheet data came from the IDNR CAFO database. The separation map files are a little too large to email, so I uploaded them to the following Sharefile link:

[REDACTED] Let me know if you have any issues downloading the files.

Office
Cell [REDACTED]

CONFIDENTIALITY NOTICE: The information contained in this e-mail is confidential, may be legally privileged, and is intended only for the use of the party named above. If the reader of this e-mail is not the intended recipient, you are advised that any dissemination, distribution, or copying of this e-mail is strictly prohibited. If you have received this e-mail in error, please immediately notify us by telephone at [REDACTED] and destroy this e-mail.

From: Petersburg, Kevin L - APHIS <kevin.l.petersburg@usda.gov>

Sent: Thursday, March 17, 2022 10:49 AM

To: [REDACTED]

Cc: Marquez, Lupe G - APHIS <lupe.g.marquez@usda.gov>; Jeff.Kaisand@lowaagriculture.gov;
robin.pruisner@lowaAgriculture.gov

Subject: [EXTERNAL] FW: Documents to complete to request indemnity

In an effort to prepare for the possibility that HPAI is confirmed in your flock I am providing you the attached documents which will need to be completed to request indemnity from the USDA. (we will be able to complete some of the information such as the number of commercial flocks or backyard flocks within 10km of your flock after our Epidemiology Officer queries the State Premises Registration Database)

Please feel free to call me at 515-669-6043 and I will help you complete the attached forms. Once the Iowa Department of Agriculture has completed the draft of the justification for Ventilation Shutdown Plus (VSD+) we will send it to you for your signature if you want USDA to consider approving VSD+ as the method of depopulating the hens. Feel free to add your own comments to the justification for VSD+ if you want that method to be used for depopulation of [REDACTED]

No birds can be depopulated until the attached forms are completed and our National Incident Coordinator signs the Appendix 1-H. That is why it is important to complete these forms as early in the day as possible.

Thank you,

Kevin L. Petersburg
AVIC, IA
USDA,APHIS,VS
515-669-6043

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HPAI Response

Appraisal and Indemnity Request Form

February 22, 2022

APPENDIX 1H – INDEMNITY AND COMPENSATION REQUEST FOR HPAI

1. **State, County** where birds are located: Buena Vista County
 - a. **Premises ID:**
2. **Reason for testing** (routine, clinical signs, etc.):
3. **Clinical signs present, date of onset, populations involved** (how many barns affected, how many total barns present):

Unusual mortality in Barn floor of
Barn, and on floor of Barn

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

5. Please list the number of birds on the farm as well as their sex and ages:

Barn #	Birds #:	Sex: <input type="checkbox"/> M <input type="checkbox"/> F	Ages:	Type:
Barn #	Birds #:	Sex: <input type="checkbox"/> M <input type="checkbox"/> F	Ages:	Type:
Barn #	Birds #:	Sex: <input type="checkbox"/> M <input type="checkbox"/> F	Ages:	Type:
Barn #	Birds #:	Sex: <input type="checkbox"/> M <input type="checkbox"/> F	Ages:	Type:
Barn #	Birds #:	Sex: <input type="checkbox"/> M <input type="checkbox"/> F	Ages:	Type:
Barn #	Birds #:	Sex: <input type="checkbox"/> M <input type="checkbox"/> F	Ages:	Type:
Barn #	Birds #:	Sex: <input type="checkbox"/> M <input type="checkbox"/> F	Ages:	Type:
Barn #	Birds #:	Sex: <input type="checkbox"/> M <input type="checkbox"/> F	Ages:	Type:
Barn #	Birds #:	Sex: <input type="checkbox"/> M <input type="checkbox"/> F	Ages:	Type:

6. List the number of **commercial premises** in the following zones surrounding the infected premises:

- a. Within 1km (neighboring):
- b. Within 3km (Infected Zone):
- c. Within 10 km (Buffer Zone):

7. *****If known:** List the number of **backyard premises** in the following zones surrounding the infected premises:

- d. Within 1km (neighboring):
- e. Within 3km (Infected Zone):
- f. Within 10 km (Buffer Zone):

8. 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):

9. 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 #	<input type="text"/>	Size:	<input type="text"/>
Barn #	<input type="text"/>	Size:	<input type="text"/>
Barn #	<input type="text"/>	Size:	<input type="text"/>
Barn #	<input type="text"/>	Size:	<input type="text"/>
Barn #	<input type="text"/>	Size:	<input type="text"/>
Barn #	<input type="text"/>	Size:	<input type="text"/>
Barn #	<input type="text"/>	Size:	<input type="text"/>
Barn #	<input type="text"/>	Size:	<input type="text"/>
Barn #	<input type="text"/>	Size:	<input type="text"/>
Barn #	<input type="text"/>	Size:	<input type="text"/>

10. **Flock Plan.** 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:

Timeline:

Disposal method:

Timeline:

Will NVS Equipment be requested? If so, please give a detailed estimate of what might be needed.

For Depopulation

For Disposal:

11. Please indicate the **approximate indemnity and or compensation** being requested for this flock (for Owner and/or Grower):

a. Indemnity (supplied by poultry team with number and age of birds): \$

b. Depopulation and Disposal: \$ (local estimates, or request NVS?)

c. Virus Elimination: \$

(***A Field Reimbursement Specialist or Avian Indemnity Team member can assist with estimates)

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

Poultry Owner/Grower:

Print Name

Signature

Date

State Animal Health Official:

Print Name

Signature

Date

Area-Veterinarian in Charge:

Print Name

Signature

Date

USDA APHIS VS Determination:

☐ Approve On-site Depopulation as recommended above.

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

Reason for difference in agreement:

☐ More Information is needed.

☐ A decision will be made within 12 hrs once the information requested below is provided. (Enter information needed here)

USDA APHIS VS ICG Official:

Print Name

Signature

Date

Reece, Kelley

From: [REDACTED]
Sent: Thursday, March 17, 2022 12:39 PM
To: kevin.l.petersburg
Cc: Marquez, Lupe G - APHIS; Kaisand, Jeff; Puisner, Robin
Subject: [REDACTED]
Attachments: AI Appendix 1H - Appraisal and Indemnity Request for HPAI.3.10.22 for [REDACTED].pdf; [REDACTED] HPAI Site.docx; [REDACTED] Separation Facilities.xlsx

Importance: High

Categories: Green Category

I will call you on this, Kevin.

As requested, we updated the separation maps for the [REDACTED] facilities. We updated the legend to include beef and swine facilities, and all of the CAFO facilities shown on the maps are specifically listed in the attached spreadsheet. This spreadsheet data came from the IDNR CAFO database. The separation map files are a little too large to email, so I uploaded them to the following Sharefile link:

[REDACTED] Let me know if you have any issues downloading the files.

[REDACTED]
Office [REDACTED]
Cell [REDACTED]

CONFIDENTIALITY NOTICE: The information contained in this e-mail is confidential, may be legally privileged, and is intended only for the use of the party named above. If the reader of this e-mail is not the intended recipient, you are advised that any dissemination, distribution, or copying of this e-mail is strictly prohibited. If you have received this e-mail in error, please immediately notify us by telephone at [REDACTED] and destroy this e-mail.

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Cc: Marquez, Lupe G - APHIS <lupe.g.marquez@usda.gov>; Jeff.Kaisand@iowaagriculture.gov; robin.puisner@iowaAgriculture.gov
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In an effort to prepare for the possibility that HPAI is confirmed in your flock I am providing you the attached documents which will need to be completed to request indemnity from the USDA. (we will be able to complete some of the information such as the number of commercial flocks or backyard flocks within 10km of your flock after our Epidemiology Officer queries the State Premises Registration Database)

Please feel free to call me at 515-669-6043 and I will help you complete the attached forms. Once the Iowa Department of Agriculture has completed the draft of the justification for Ventilation Shutdown Plus (VSD+) we will send it to you for your signature if you want USDA to consider approving VSD+ as the method of depopulating the hens. Feel free to add your own comments to the justification for VSD+ if you want that method to be used for depopulation of [REDACTED]

No birds can be depopulated until the attached forms are completed and our National Incident Coordinator signs the Appendix 1-H. That is why it is important to complete these forms as early in the day as possible.

Thank you,

Kevin L. Petersburg
AVIC, IA
USDA,APHIS,VS
515-669-6043

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Reece, Kelley

From: Lee, James O - APHIS <james.o.lee@usda.gov>
Sent: Thursday, March 17, 2022 12:42 PM
To: Kaisand, Jeff; kevin.l.petersburg@usda.gov; Pruisner, Robin; Rumsey, Katie; Brick, Troy
Subject: RE: Draft of VSD+ request for you to complete and send to Buena Vista 02
Attachments: HPAI VSD PLUS REQUEST AND APPROVAL Buena Vista 02.pdf

Categories: Green Category

This version has prem ID added: [REDACTED]
Number of commercial poultry prems in [REDACTED] not including [REDACTED]
Number of backyard non-poultry prems in [REDACTED]

Let me know if I can fill in any additional missing info.
-Jim

James Lee DVM MPH Dipl. ACVPM
Epidemiology Officer- Iowa
USDA APHIS Veterinary Services, Field Operations- District 2
210 Walnut Street, Room 891 | Des Moines, IA 50309-2105
Cell: (774) 276-7787
Office: (515) 323-2104
James.O.Lee@usda.gov

From: Kaisand, Jeff <Jeff.Kaisand@iowaagriculture.gov>
Sent: Thursday, March 17, 2022 12:35 PM
To: Petersburg, Kevin L - APHIS <kevin.l.petersburg@usda.gov>; robin.pruisner@iowaAgriculture.gov; Rumsey, Katie <Katie.Rumsey@iowaagriculture.gov>; troy.brick@iowaagriculture.gov; Lee, James O - APHIS <james.o.lee@usda.gov>
Subject: RE: Draft of VSD+ request for you to complete and send to Buena Vista 02

Jim,

Can you fill in the missing numbers?

Jeff

From: Petersburg, Kevin L - APHIS <kevin.l.petersburg@usda.gov>
Sent: Thursday, March 17, 2022 12:27 PM
To: Kaisand, Jeff <Jeff.Kaisand@iowaagriculture.gov>; Pruisner, Robin <Robin.Pruisner@iowaagriculture.gov>; Rumsey, Katie <Katie.Rumsey@iowaagriculture.gov>; Brick, Troy <Troy.Brick@iowaagriculture.gov>; james.o.lee <james.o.lee@usda.gov>
Subject: Draft of VSD+ request for you to complete and send to Buena Vista 02
Importance: High

Attached is a quick draft of what I could put into the request for VSD+ . Please fill in the missing information and then forward to Buena Vista 02.

Kevin L. Petersburg
AVIC, IA

USDA,APHIS,VS

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Infected Prem (IP) Summary

At a Glance

Prem	Confirm	Depop	Disposal	C/D	Fallow	Released
BV1	3/6/22	3/7/22	Composting planned	Applied disinfectant	-	-
Pott1	3/1/22	3/1/22	Incineration	-	-	-

Narrative of each site

BV1

- On 3/6/22 BV1 observed clinical signs and symptoms. [REDACTED] samples delivered to NVSL by 1:15 pm. Iowa NAHLN lab not deployed because closed/Sunday.
- Dr. Greg Schmitt deployed to site to begin epi and prepare for depopulation.
- NVSL confirmed positive 4:30 pm.
- VSD+ building preparation continue, barns closed for last time at midnight. All depopulation activities done by 11 am on 3/7/22. [REDACTED]
- Control zone includes [REDACTED] potential backyard flocks
- Surveillance zone contains [REDACTED] potential backyard flocks.

Pott1

- Backyard mixed species flock of chickens and ducks that had experienced 100% mortality on [REDACTED] chickens between 2/17/22 and 2/28/22.
- Sample submitted to Nebraska NAHLN lab 2/22/22.
- NE NAHLN lab conducted IAV matrix PCR and H5 PCR on the submitted chicken on 2/28/22; presumptive/non-negative results.
- The ducks were sampled on 2/28/22 and non-negative results were received 3/1/22 from NVSL.
- NVSL confirmed by PCR on 3/1/2022. 10 km surveillance zone established [REDACTED] ducks depopulated 3/1/22.
- Surveillance zone contains one contact/epi-linked backyard prem; one backyard; and [REDACTED]
 - Contact/epi-linked prem tested on 3/2/22; negative.
 - One additional backyard identified in surveillance zone, not possible to make contact.
 - [REDACTED] in surveillance zone; tested negative on 3/4/22.

Iowa Response Goals and Strategies

Goals – The goal is to minimize production downtime of affected producers and minimize the number of producers affected. This will be achieved through early detection, rapid depopulation, and thorough cleaning with follow-up testing.

Strategies – The tools used to achieve the above goals will include well-staffed and responsive field teams, sampling and testing of symptomatic flocks and contact flocks followed with epidemiology tracing, quarantines, and permitting.

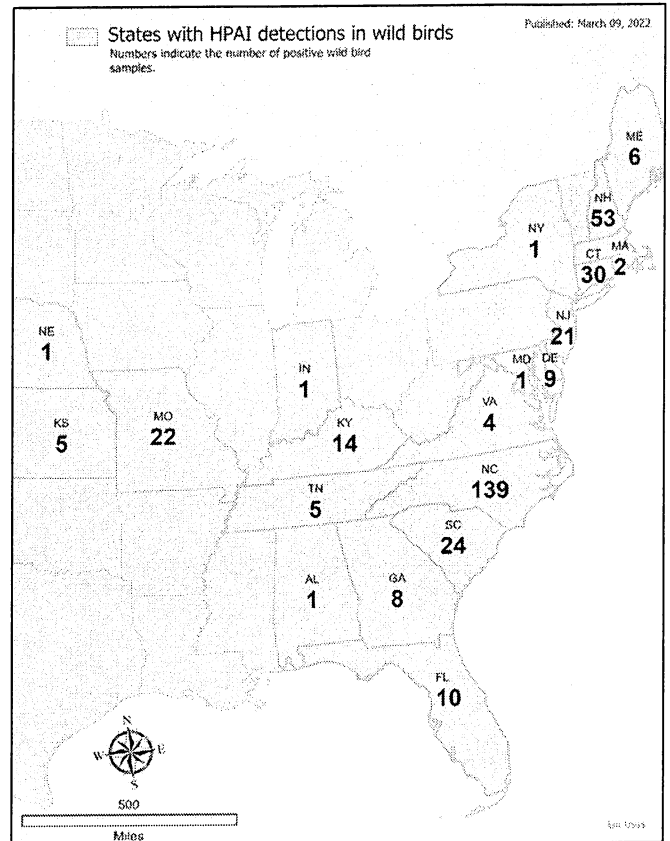
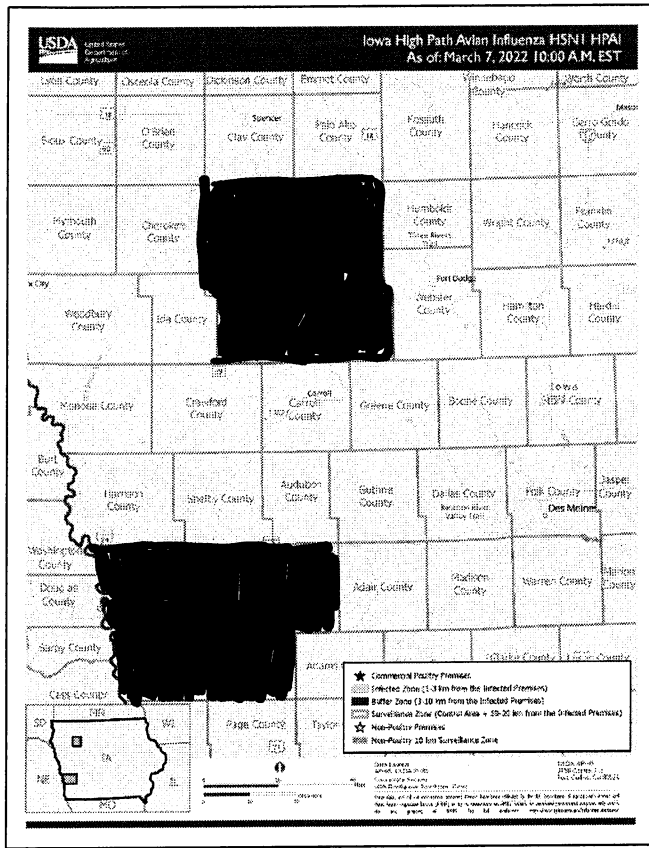
IDALS End of Day Summary Report Wednesday 3/9/22

Accomplishments of Wednesday, March 9, 2022

1. Permitting progress
 - a. EMRS training and information updates
 - b. Permit applicants will be directed to our website for how to apply for a permit and permit requirements by EMRS Gateway
 - c. We will allow restocking in control zone at unaffected sites as in 2015
2. Surveillance in the control zone will continue at our increased rate
3. Control zones can be dropped 2 weeks after compost has been capped
4. Pre-award letter has been sent out and waiting on approval from Dr. Patty Fox – now we need to complete the full application asap but within the next 90 days for sure.
 - a. The emergency cooperative agreement template was sent by Dr. Petersburg
5. BV1 flock plan for BV1 sent to Dr. Fox and will be reviewed this weekend
6. Dr. Brick will monitor release of Pott1 quarantines and surveillance zones
7. Surveillance testing plan has been submitted for review by USDA
8. Dr. Rychnovsky is working on backyard depop methods
9. Questions were answered related to cold weather use of foam and viricide
10. DNR has sent letters to bird rehabbers, falconers, and gamebird breeders after IDALS review

Goals for Thursday, March 10, 2022

1. Follow up on comms backyard outreach
2. Finish ongoing permitting
3. Ongoing identification of staffing gaps; potential action on exhibitions and swap meets; comms plan
4. Methods to depop backyards
5. Hang Pott1 release policies in EMRS
6. Finish narrative for Coop Agreement



Infected Prem (IP) Summary

At a Glance

Prem	Confirm	Depop	Disposal	C/D	Fallow	Released
BV1	3/6/22	3/7/22	Composting planned	Applied disinfectant	-	-
Pott1	3/1/22	3/1/22	Incineration	-	-	-

Narrative of each site

BV1

- On 3/6/22 BV1 observed clinical signs and symptoms in [REDACTED] samples delivered to NVSL by 1:15 pm. Iowa NAHLN lab not deployed because closed/Sunday.
- Dr. Greg Schmitt deployed to site to begin epi and prepare for depopulation.
- NVSL confirmed positive 4:30 pm.

4. VSD+ building preparation continue, barns closed for last time at midnight. All depopulation activities done by 11 am on 3/7/22. [REDACTED]
5. Control zone includes [REDACTED] potential backyard flocks
6. Surveillance zone contains [REDACTED] potential backyard flocks.
7. Composting planned to start Friday, 3/11/22

Pott1

1. Backyard mixed species flock of chickens and ducks that had experienced 100% mortality on [REDACTED] chickens between 2/17/22 and 2/28/22.
2. Sample submitted to Nebraska NAHLN lab 2/22/22.
3. NE NAHLN lab conducted IAV matrix PCR and H5 PCR on the submitted chicken on 2/28/22; presumptive/non-negative results.
4. The ducks were sampled on 2/28/22 and non-negative results were received 3/1/22 from NVSL.
5. NVSL confirmed by PCR on 3/1/2022. 10 km surveillance zone established [REDACTED] ducks depopulated 3/1/22.
6. Surveillance zone contains one contact/epi-linked backyard prem; one backyard; [REDACTED]
[REDACTED]
 - a. Contact/epi-linked prem tested on 3/2/22; negative.
 - b. One additional backyard identified in surveillance zone, not possible to make contact.
 - c. [REDACTED] in surveillance zone; tested negative on 3/4/22.

Iowa Response Goals and Strategies

Goals – The goal is to minimize production downtime of affected producers and minimize the number of producers affected. This will be achieved through early detection, rapid depopulation, and thorough cleaning with follow-up testing.

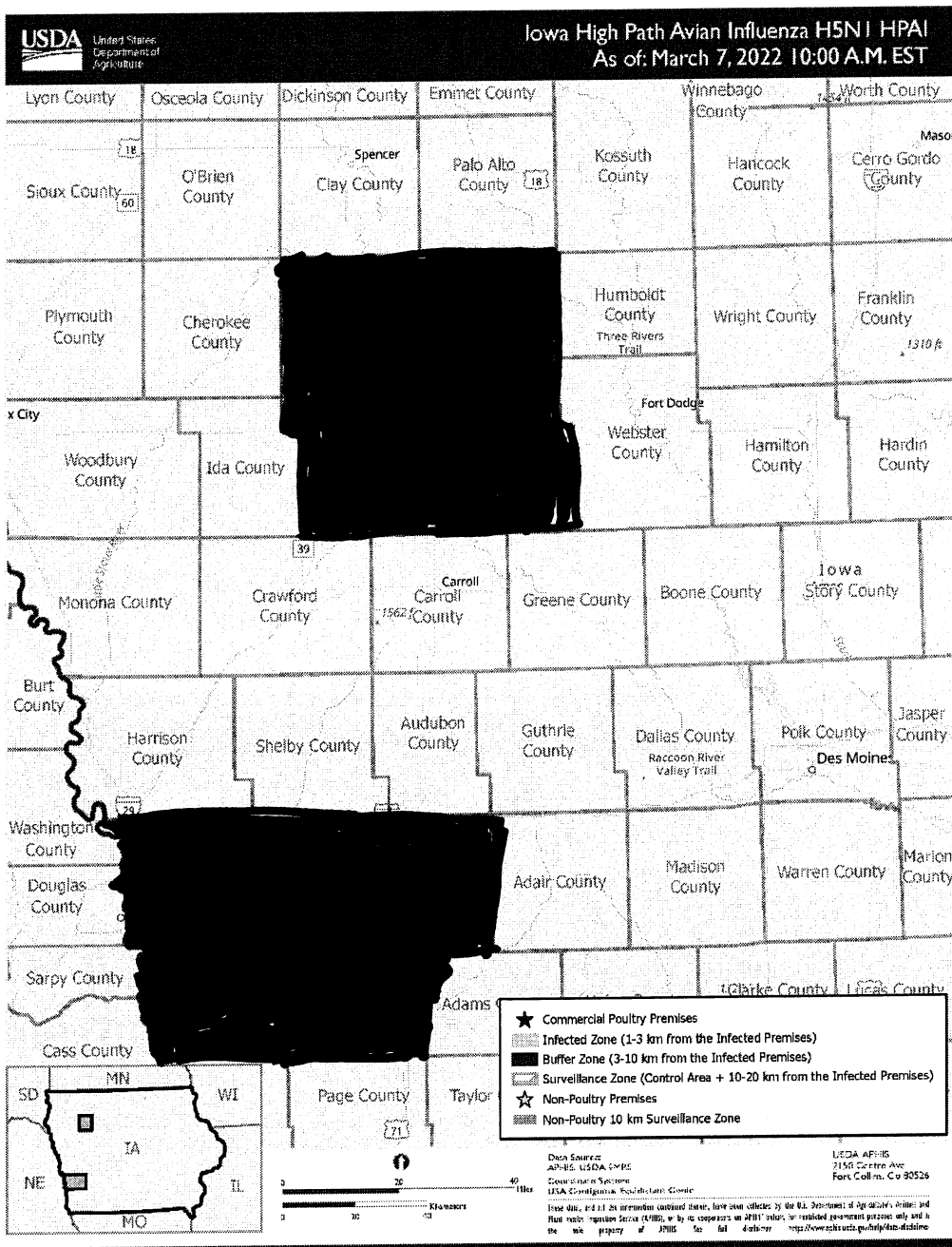
Strategies – The tools used to achieve the above goals will include well-staffed and responsive field teams, sampling and testing of symptomatic flocks and contact flocks followed with epidemiology tracing, quarantines, and permitting.

Monday, March 7, 2022

1. Depopulation of BV1 complete 11 am.
2. Media release 10 am; media call 1:30 pm.
3. BV1 epi priority – water treatment service sites
4. BV1 – all 5 control zone quarantines issued; 3 have been accepted
 - a. 4 contact/epi-linked premise quarantines sent; 1 accepted (water treatment service);
 - i. 1 contact/epi-linked prem is in the control zone, already quarantined
5. BV1 – 4 permits issued for feed to control zone prems from 2 mills
6. BV1 Backyard outreach, by livestock inspectors with script:
 - a. [REDACTED] in Control zone
 - i. [REDACTED] – no birds
 - ii. [REDACTED] – have birds
 - iii. [REDACTED] – depopulating his flock due to racoon problem
 - iv. [REDACTED] – wrong number disconnected, etc.
 - v. [REDACTED] – left message
 - vi. [REDACTED] – not contacted yet
 - b. [REDACTED] in Surveillance zone
 - i. [REDACTED] – no birds
 - ii. [REDACTED] – have birds
 - iii. [REDACTED] – wrong number disconnected, etc.
 - iv. [REDACTED] – left message
 - v. [REDACTED] – not contacted yet
 - vi. [REDACTED] – no voicemail

Goals for Tuesday, March 7, 2022

1. Ensure quarantine delivery/acceptance
2. Submit supplemental agreement preaward letter to USDA VS
3. Finish backyard communication
4. Develop IDALS sit rep
5. Establish state-federal IMT call schedule
6. Ongoing permitting
7. Ongoing epi



BV1

1. On 3/6/22 BV1 observed clinical signs and symptoms in [REDACTED] samples delivered to NVSL by 1:15 pm. Iowa NAHLN lab not deployed because closed/Sunday.
2. Dr. Greg Schmitt deployed to site to begin epi and prepare or depop.
3. NVSL confirmed positive 4:30 pm.
4. VSD+ building preparation continue, barns closed for last time at midnight. All depopulation activities done by 11 am on 3/7/22.

5. Control zone includes [REDACTED] potential backyard flocks
6. Surveillance zone contains [REDACTED] potential backyard flocks.

Pott1

1. Backyard mixed species flock of chickens and ducks that had experienced 100% mortality on [REDACTED] chickens between 2/17/22 and 2/28/22.
2. Sample submitted to Nebraska NAHLN lab 2/22/22.
3. NE NAHLN b conducted IAV matrix PCR and H5 PCR on the submitted bird on 2/28/22; presumptive/non-negative results.
4. NVSL confirmed by PCR on 3/1/2022. 10 km surveillance zone established. [REDACTED] ducks depopped 3/1/22.
5. Surveillance sone contains one contact/epi-linked backyard prem; one backyard; and [REDACTED]
 - a. Contact/epi-linked prem tested on x/x/22; negative.
 - b. One additional backyard identified in surveillance zone, not possible to make contact.
 - c. [REDACTED] in surveillance zone; tested negative on x/x/22.



IOWA DEPARTMENT OF
AGRICULTURE &
LAND STEWARDSHIP

IDALS End of Day Summary Report

Monday 3/14/22

Accomplishments of Monday March 14, 2022

1. Composting is being finalized at BV01
 - a. Compost piles set 3/12/22 not capped yet
2. Taylor01
 - a. Depopulation complete as of today
 - b. Tested [REDACTED] as a contact premises to Tay1 – results continue to be negative
 - c. Two rental heaters were returned to [REDACTED] at Altoona
 - d. Dr. Rychnovsky completed the flock plan
 - e. Composting SME – Ken Powell is on site
 - f. Loads of carbon are being delivered
3. Federal resources will arrive tomorrow 3/15/22
 - a. Jeremy McNeel AHT Site Manager
 - b. Samantha Bruce Case Manager
4. Emmet county suspect site that was tested over the weekend – results were negative and retesting was initiated and samples were all negative
5. Two potential back yard cases had samples submitted for testing (Jackson and Webster County).

Goals for Tuesday, March 15, 2022

1. Ongoing identification of staffing gaps
2. Finish full narrative for Coop Agreement
3. Tay1 – get three heaters deconned and return hauling back
4. Greet and orient new federal case manager and biosecurity AHT
5. Surveillance for Taylor 1 pullets and sites around BV1

Parking lot

1. Potential action on exhibitions and swap meets

At a Glance

Site	Prem	Confirm	Depop	Disposal	C/D	Fallow	Released
BV1		3/6/22	3/7/22	Only need capping	-	-	-
Pott1		3/1/22	3/1/22	Incineration	-	Until 8/1	-
Tay1		3/10/22	Complete 3/13/22	Initial stages of composting	-	-	-

Narrative of each site

BV1

- On 3/6/22 BV1 observed clinical signs and symptoms in [REDACTED] samples delivered to NVSL by 1:15 pm. Iowa NAHLN lab not deployed because closed/Sunday.
- Dr. Greg Schmitt deployed to site to begin epi and prepare for depopulation.
- NVSL confirmed positive 4:30 pm.
- VSD+ building preparation continue, barns closed for last time at midnight. All depopulation activities done by 11 am on 3/7/22. [REDACTED]
- Control zone includes [REDACTED] potential backyard flocks
- Surveillance zone contains [REDACTED] potential backyard flocks.
- Composting planned to start Friday, 3/11/22
- Composting equipment permitted onto site 3/10/22
- Disposal - One building completed 3/11/22
- Composting complete other than capping 3/12/22

Pott1

- Backyard mixed species flock of chickens and ducks that had experienced 100% mortality on [REDACTED] chickens between 2/17/22 and 2/28/22.
- Sample submitted to Nebraska NAHLN lab 2/22/22.
- NE NAHLN lab conducted IAV matrix PCR and H5 PCR on the submitted chicken on 2/28/22; presumptive/non-negative results.
- The ducks were sampled on 2/28/22 and non-negative results were received 3/1/22 from NVSL.
- NVSL confirmed by PCR on 3/1/2022. 10 km surveillance zone established. [REDACTED] ducks depopulated 3/1/22.
- Surveillance zone contains one contact/epi-linked backyard prem; one backyard; and [REDACTED]
 - Contact/epi-linked prem tested on 3/2/22; negative.
 - One additional backyard identified in surveillance zone, not possible to make contact.
 - [REDACTED] in surveillance zone; tested negative on 3/4/22.

Tay1

- [REDACTED] confirmed positive on 3/10/22
- Written quarantine was issued
- Positive tested building was depopulated with VSD+heat
- Depop was initiated in the infected barn 3/11/22
- Depop complete 3/14/22
- Flock plan completed 3/14/22
- Site seems to be embracing the C&D line takeover with enthusiasm

Iowa Response Goals and Strategies

Goals – The goal is to minimize production downtime of affected producers and minimize the number of producers affected. This will be achieved through early detection, rapid depopulation, and thorough cleaning with follow-up testing.

Strategies – The tools used to achieve the above goals will include well-staffed and responsive field teams, sampling and testing of symptomatic flocks and contact flocks followed with epidemiology tracing, quarantines, and permitting.



IOWA DEPARTMENT OF
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IDALS End of Day Summary Report

Saturday & Sunday 3/12&13/22

Accomplishments of Saturday & Sunday, March 12 & 13, 2022

1. Composting is being finalized at BV01
 - a. Compost piles set 3/12/22 not capped yet
2. Taylor01
 - a. Dr. Kaisand and Robin Pruisner were on site most of the weekend
 - b. VSD+ was nearly completed Sunday 3/13/22
 - c. Rotational around the clock shifts (C&D and security) established with IDALS and USDA personnel
 - d. Tested [REDACTED] as a contact premises to Tay1 – results continue to be negative
 - e. One rental heater was returned to [REDACTED] at Altoona
 - f. Dr. Rychnovsky is working on the flock plan
 - g. Composting SME – Ken Powell is on site
3. Testing a bird from a [REDACTED] in Dallas County - [REDACTED] in flock came back negative
4. Federal resources requested
 - a. 2 composting SMEs
 - b. 2 VMOs
 - c. 1 financial reimbursement specialist
5. Emmet county site was tested based on elevated mortalities – results were negative and retesting was initiated

Goals for Monday, March 14, 2022

1. Ongoing identification of staffing gaps
2. Finish full narrative for Coop Agreement
3. Tay1
 - a. Flock plan
 - b. Get composting started
 - c. Pull 2 more heaters back to [REDACTED]
 - d. Decon the 3 rental heaters from [REDACTED] that were used – focusing on the duct work
4. Plan for new federal case manager and biosecurity AHT
5. Surveillance for Taylor 1 [REDACTED] and sites around BV1

Parking lot

1. Potential action on exhibitions and swap meets

At a Glance

Prem	Confirm	Depop	Disposal	C/D	Fallow	Released
BV1	3/6/22	3/7/22	Only need capping	-	-	-
Pott1	3/1/22	3/1/22	Incineration	-	Until 8/1	-
Tay1	3/10/22	Complete 3/13/22	Initial stages of composting	-	-	-

Narrative of each site

BV1

- On 3/6/22 BV1 observed clinical signs and symptoms in [REDACTED] site; samples delivered to NVSL by 1:15 pm. Iowa NAHLN lab not deployed because closed/Sunday.
- Dr. Greg Schmitt deployed to site to begin epi and prepare for depopulation.
- NVSL confirmed positive 4:30 pm.
- VSD+ building preparation continue, barns closed for last time at midnight. All depopulation activities done by 11 am on 3/7/22. [REDACTED] depopulated.
- Control zone includes [REDACTED] potential backyard flocks
- Surveillance zone contains [REDACTED] potential backyard flocks.
- Composting planned to start Friday, 3/11/22
- Composting equipment permitted onto site 3/10/22
- Disposal - One building completed 3/11/22
- Composting complete other than capping 3/12/22

Pott1

- Backyard mixed species flock of chickens and ducks that had experienced 100% mortality on [REDACTED] chickens between 2/17/22 and 2/28/22.
- Sample submitted to Nebraska NAHLN lab 2/22/22.
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- NVSL confirmed by PCR on 3/1/2022. 10 km surveillance zone established. [REDACTED] ducks depopulated 3/1/22.
- Surveillance zone contains one contact/epi-linked backyard prem; one backyard; and [REDACTED]
 - Contact/epi-linked prem tested on 3/2/22; negative.
 - One additional backyard identified in surveillance zone, not possible to make contact.
 - [REDACTED] in surveillance zone; tested negative on 3/4/22.

Tay1

- [REDACTED] birds confirmed positive on 3/10/22
- Written quarantine was issued
- Positive tested building was depopulated with VSD+heat
- Depop was initiated in the infected barn 3/11/22
- Depop nearly complete 3/14/22

Iowa Response Goals and Strategies

Goals – The goal is to minimize production downtime of affected producers and minimize the number of producers affected. This will be achieved through early detection, rapid depopulation, and thorough cleaning with follow-up testing.

Strategies – The tools used to achieve the above goals will include well-staffed and responsive field teams, sampling and testing of symptomatic flocks and contact flocks followed with epidemiology tracing, quarantines, and permitting.



IDALS End of Day Summary Report

Thursday 3/10/22

Accomplishments of Thursday, March 10, 2022

1. Permitting progress - Requirements are on the website as of today
2. Comms plan – hatchery and chick dealer flyer is ready for distribution
3. Composting meeting with USDA, SME, and IDALS reps and grower
4. Tay1 – potential site
 - a. Samples were curried by ISP to NVSL
 - b. Manager discussed populations of the [REDACTED] and details of workers and biosecurity at the site; two IDALS veterinarians onsite all night to monitor progress and c/d line
 - c. VSD+ discussed with the [REDACTED] owner, request to VSD+ submitted, and granted by USDA
 - d. Identified [REDACTED] site [REDACTED] miles away; [REDACTED] Identified [REDACTED] sites in the surveillance zone
 - e. Rented three diesel heaters, delivered to IP by 10 pm
 - f. Positive results came in at 5:45 pm.
 - g. Made contact with IDPH, County DPH, EMA and Sheriff

Goals for Friday, March 11, 2022

1. Start VSD+ in infected barn; begin disposal discussion
2. Get list of people onsite, begin epi and send to IDPH
3. Epi of possible feed mill contacts
4. Issue quarantines
5. Follow up on comms backyard outreach
6. Contact [REDACTED] concerning [REDACTED] moving and need to quarantine
7. Ongoing permitting
8. Ongoing identification of staffing gaps; potential action on exhibitions and swap meets; comms plan
9. Ongoing study of methods to depop backyards
10. Hang Pott1 release policies in EMRS
11. Finish narrative for Coop Agreement

Infected Prem (IP) Summary

At a Glance

Prem	Confirm	Depop	Disposal	C/D	Fallow	Released
BV1	3/6/22	3/7/22	Composting planned	Applied disinfectant	-	-
Pott1	3/1/22	3/1/22	Incineration	-	-	-

Narrative of each site

BV1

- On 3/6/22 BV1 observed clinical signs and symptoms in [REDACTED] samples delivered to NVSL by 1:15 pm. Iowa NAHLN lab not deployed because closed/Sunday.
- Dr. Greg Schmitt deployed to site to begin epi and prepare for depopulation.
- NVSL confirmed positive 4:30 pm.
- VSD+ building preparation continue, barns closed for last time at midnight. All depopulation activities done by 11 am on 3/7/22. [REDACTED] repopulated.
- Control zone includes [REDACTED] potential backyard flocks
- Surveillance zone contains [REDACTED] potential backyard flocks.
- Composting planned to start Friday, 3/11/22

Pott1

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HPAI Monitoring Depopulation Report

(Prem Name) / Prem ID:

Set up and Preparation Activities (Examples: penning, sealing building, setting up containers):		
Description: Barn Fans sealed with plastic. All fans manually shut off. Supplemental heat placed in each end of the barn. Lights left on.		
Date: 3/18/2022	Start time: 2:30pm	Finish time: 6:00 pm

Weather Considerations (Examples: temp, wind, rain, ice, snow):
Description: Outside temperature was approximately 35 degrees Fahrenheit.

Primary Depopulation Method: Choose an item.			
Comments: Ventilation shut down with heat.			
Start time:	2:30 pm	Approximate time at 50% mortality:	Click or tap here to enter text.
Time at 100% mortality or cessation of primary method:		6:00 pm	
Was standard achieved?	Yes		

Secondary Depopulation Method: Choose an item.	
Comments: Cervical dislocation	
Was secondary method required?	Yes
Number of birds requiring secondary method:	
Finish time (100% mortality):	8:00 pm
Was standard achieved?	Yes

Notes:

Appropriate steps were taken by management and all farm staff to ensure that human safety was a priority and that all steps were taken to ensure effectiveness of the process.
--

Name/Title of personnel completing this form: ____ Jeff Kaisand State Veterinarian_____

HPAI Monitoring Depopulation Report

(Prem Name) / Prem ID:

Goal: 100% mortality of birds in as short a time as possible with no injuries to responders

Table 1: Selected Methods of Depopulation

Preferred methods of depopulation ¹		
Method	Type of poultry	Standard
Whole house gassing	Caged and floor-reared	CO ₂ >40% and O ₂ <10% within the house for 10 minutes
Container gassing	Caged and backyard	Cessation of movement within 2 minutes at 50% CO ₂
Water-based foaming	Floor-reared	Cessation of movement within 10 minutes
Cervical dislocation +/- mechanically assisted	Floor-reared and backyard	One application
Captive bolt gun	Floor-reared	One application
Permitted methods under constrained circumstances ¹		
Method	Type of poultry	Standard
Ventilation shutdown plus heat	Caged and floor-reared	Minimum temperature of 104°F to 110°F within 30 minutes, for a minimum of three hours
Not recommended ¹		
Method	Type of poultry	Standard
Ventilation shutdown only	Any	None

Official veterinarians and their delegates in overseeing depopulation should:

- Balance animal welfare concerns with rapid and aggressive response to the animal health emergency.
- Consider the immediate risk of the depopulation activities to the health and safety of responders.
- Verify that the Incident Commander's intent for selected depopulation method(s) is carried out.
- Stop activities that endanger responders, fail to meet standards for achieving depopulation goals, or are resulting in unacceptable stress to the birds. If the observer is unable to stop the activity, immediately notify the chain of command about the problem.
- Ensure a secondary method of depopulation is available and applied if the primary method fails to achieve depopulation goal.

Collect contact numbers prior to arrival at site:

Contact	Name	Phone Number
Incident Commander	Robin Pruisner	Click or tap here to enter text.
National Incident Commander	Koren Custer	Click or tap here to enter text.
Safety Officer	Click or tap here to enter text.	Click or tap here to enter text.
Site Point of Contact		Click or tap here to enter text.
Total number of houses/barns on site:		

Prepare a separate report for each house

House Name/Number	

HPAI Monitoring Depopulation Report

(Prem Name) / Prem ID:

Prepare a separate report for each house

House Name/Number	[REDACTED]
-------------------	------------

Set up and Preparation Activities (Examples: penning, sealing building, setting up containers):		
Description: Barn Fans sealed with plastic. All fans manually shut off. Supplemental heat placed in each end of the barn. Lights left on.		
Date: 3/18/2022	Start time: 11:30 am	Finish time: 3:00 pm

Weather Considerations (Examples: temp, wind, rain, ice, snow):	
Description: Outside temperature was approximately 30 to 35 degrees Fahrenheit.	

Primary Depopulation Method: Choose an item.			
Comments: Ventilation shut down with heat.			
Start time:	11:30 am	Approximate time at 50% mortality:	Click or tap here to enter text.
Time at 100% mortality or cessation of primary method:		No activity could be observed at 1:30. Barn was opened at 3.	
Was standard achieved?	Yes		

Secondary Depopulation Method: Choose an item.	
Comments: Cervical dislocation	
Was secondary method required?	Yes
Number of birds requiring secondary method:	[REDACTED]
Finish time (100% mortality):	6 pm
Was standard achieved?	Yes

Notes:

Appropriate steps were taken by management and all farm staff to ensure that human safety was a priority and that all steps were taken to ensure effectiveness of the process.
--

Name/Title of personnel completing this form: ____ Jeff Kaisand State Veterinarian_____

HPAI Monitoring Depopulation Report

Site / Prem ID: [REDACTED]

Goal: 100% mortality of birds in as short a time as possible with no injuries to responders

Table 1: Selected Methods of Depopulation

Preferred methods of depopulation ¹		
Method	Type of poultry	Standard
Whole house gassing	Caged and floor-reared	CO ₂ >40% and O ₂ <10% within the house for 10 minutes
Container gassing	Caged and backyard	Cessation of movement within 2 minutes at 50% CO ₂
Water-based foaming	Floor-reared	Cessation of movement within 10 minutes
Cervical dislocation +/- mechanically assisted	Floor-reared and backyard	One application
Captive bolt gun	Floor-reared	One application
Permitted methods under constrained circumstances ¹		
Method	Type of poultry	Standard
Ventilation shutdown plus heat	Caged and floor-reared	Minimum temperature of 104°F to 110°F within 30 minutes, for a minimum of three hours
Not recommended ¹		
Method	Type of poultry	Standard
Ventilation shutdown only	Any	None

Official veterinarians and their delegates in overseeing depopulation should:

- Balance animal welfare concerns with rapid and aggressive response to the animal health emergency.
- Consider the immediate risk of the depopulation activities to the health and safety of responders.
- Verify that the Incident Commander's intent for selected depopulation method(s) is carried out.
- Stop activities that endanger responders, fail to meet standards for achieving depopulation goals, or are resulting in unacceptable stress to the birds. If the observer is unable to stop the activity, immediately notify the chain of command about the problem.
- Ensure a secondary method of depopulation is available and applied if the primary method fails to achieve depopulation goal.

Collect contact numbers prior to arrival at site:

Contact	Name	Phone Number
Incident Commander	Robin Pruisner	Click or tap here to enter text.
National Incident Commander	Koren Custer	Click or tap here to enter text.
Safety Officer	Click or tap here to enter text.	Click or tap here to enter text.
Site Point of Contact	Click or tap here to enter text.	Click or tap here to enter text.
Total number of houses/barns on site: [REDACTED]		

HPAI Monitoring Depopulation Report

Site / Prem ID: [REDACTED]

Prepare a separate report for each house

House Name/Number	[REDACTED]
--------------------------	------------

Set up and Preparation Activities (Examples: penning, sealing building, setting up containers):		
Description: Barn fans sealed with plastic by overnight staff. At 0615, all fans manually shut off. Supplemental heat was not used since the heating units undergo automatic shut-off when ambient temperature rises above 100 degree F. Lights left on.		
Date: 3/19/2022	Start time: 6:15 am	Finish time: 11:00 am

Weather Considerations (Examples: temp, wind, rain, ice, snow):
Description: Outside temperature was approximately 30 to 35 degrees Fahrenheit.

Primary Depopulation Method: Ventilation Shutdown + heat			
Comments: Ventilation shut down with heat.			
Start time:	6:15 am	Approximate time at 50% mortality:	Click or tap here to enter text.
Time at 100% mortality or cessation of primary method:		11:00 am	
Was standard achieved?	No		

Secondary Depopulation Method: Choose an item.	
Comments: Container gassing	
Was secondary method required?	Yes
Number of birds requiring secondary method:	[REDACTED]
Finish time (100% mortality):	TBD
Was standard achieved?	Yes

Notes:

Barn had difficulty maintaining heat, likely due to poor insulation. By 11 am, >98% of birds had been depopulated, leaving approximately [REDACTED] birds. The decision was made to switch to container gassing remaining birds. Efforts will persist through the night until barn is fully depopulated.
--

Name/Title of personnel completing this form: Julie Aebi, VMO

HPAI Monitoring Depopulation Report

Site / Prem ID: [REDACTED]

Prepare a separate report for each house

House Name/Number	[REDACTED]
--------------------------	------------

Set up and Preparation Activities (Examples: penning, sealing building, setting up containers):		
Description: Barn fans sealed with plastic by overnight staff. At 0810, all fans manually shut off. Supplemental heat was not used as heating units undergo automatic shut-off when ambient temperature rises above 100 degrees F. Lights left on.		
Date: 3/19/2022	Start time: 8:10 am	Finish time: 12:00 am

Weather Considerations (Examples: temp, wind, rain, ice, snow):
Description: Outside temperature was approximately 30 to 35 degrees Fahrenheit.

Primary Depopulation Method: Ventilation Shutdown + heat			
Comments: Ventilation shut down with heat.			
Start time:	8:10 am	Approximate time at 50% mortality:	Click or tap here to enter text.
Time at 100% mortality or cessation of primary method:		12:00 pm	
Was standard achieved?	No		

Secondary Depopulation Method: Container Gassing	
Comments: Click or tap here to enter text.	
Was secondary method required?	Yes
Number of birds requiring secondary method:	[REDACTED]
Finish time (100% mortality):	TBD
Was standard achieved?	Yes

Notes:

Barn had difficulty maintaining heat, likely due to poor insulation. By 11 am, >98% of birds had been depopulated, leaving approximately [REDACTED] birds. The decision was made to switch to container gassing remaining birds. Efforts will persist through the night until barn is fully depopulated.
--

Name/Title of personnel completing this form: Julie Aebi, VMO

HPAI Monitoring Depopulation Report

Site / Prem ID:

Goal: 100% mortality of birds in as short a time as possible with no injuries to responders

Table 1: Selected Methods of Depopulation

Preferred methods of depopulation ¹		
Method	Type of poultry	Standard
Whole house gassing	Caged and floor-reared	CO ₂ >40% and O ₂ <10% within the house for 10 minutes
Container gassing	Caged and backyard	Cessation of movement within 2 minutes at 50% CO ₂
Water-based foaming	Floor-reared	Cessation of movement within 10 minutes
Cervical dislocation +/- mechanically assisted	Floor-reared and backyard	One application
Captive bolt gun	Floor-reared	One application
Permitted methods under constrained circumstances ¹		
Method	Type of poultry	Standard
Ventilation shutdown plus heat	Caged and floor-reared	Minimum temperature of 104°F to 110°F within 30 minutes, for a minimum of three hours
Not recommended ¹		
Method	Type of poultry	Standard
Ventilation shutdown only	Any	None

Official veterinarians and their delegates in overseeing depopulation should:

- Balance animal welfare concerns with rapid and aggressive response to the animal health emergency.
- Consider the immediate risk of the depopulation activities to the health and safety of responders.
- Verify that the Incident Commander's intent for selected depopulation method(s) is carried out.
- Stop activities that endanger responders, fail to meet standards for achieving depopulation goals, or are resulting in unacceptable stress to the birds. If the observer is unable to stop the activity, immediately notify the chain of command about the problem.
- Ensure a secondary method of depopulation is available and applied if the primary method fails to achieve depopulation goal.

Collect contact numbers prior to arrival at site:

Contact	Name	Phone Number
Incident Commander	Robin Pruisner	Click or tap here to enter text.
National Incident Commander	Koren Custer	Click or tap here to enter text.
Safety Officer	Click or tap here to enter text.	Click or tap here to enter text.
Site Point of Contact	Click or tap here to enter text.	Click or tap here to enter text.
Total number of houses/barns on site:		

HPAI Monitoring Depopulation Report

Site / Prem ID:

Prepare a separate report for each house

House Name/Number	
--------------------------	--

Set up and Preparation Activities (Examples: penning, sealing building, setting up containers):		
Description: Barn fans sealed with plastic by overnight staff. At 11:30 am, all fans manually shut off. Supplemental heat was not used as heating units undergo automatic shut-off when ambient temperature rises above 100 degrees F. Lights left on.		
Date: 3/19/2022	Start time: 11:30 am	Finish time: 2:30 pm

Weather Considerations (Examples: temp, wind, rain, ice, snow):
Description: Outside temperature was approximately 45 degrees Fahrenheit.

Primary Depopulation Method: Ventilation Shutdown + heat			
Comments: Ventilation shut down with heat.			
Start time:	11:30 am	Approximate time at 50% mortality:	Click or tap here to enter text.
Time at 100% mortality or cessation of primary method:		1:00 pm	
Was standard achieved?	Yes		

Secondary Depopulation Method: Cervical Dislocation +/- mechanically assisted	
Comments: Click or tap here to enter text.	
Was secondary method required?	Yes
Number of birds requiring secondary method:	Approx.
Finish time (100% mortality):	TBD
Was standard achieved?	Yes

Notes:

Barn achieved desired 104 degrees F within 35 minutes and maintained temperatures of 106-107 degrees F for the duration.
--

Name/Title of personnel completing this form: Julie Aebi, VMO

HPAI Monitoring Depopulation Report

Site / Prem ID:

Goal: 100% mortality of birds in as short a time as possible with no injuries to responders

Table 1: Selected Methods of Depopulation

Preferred methods of depopulation ¹		
Method	Type of poultry	Standard
Whole house gassing	Caged and floor-reared	CO ₂ >40% and O ₂ <10% within the house for 10 minutes
Container gassing	Caged and backyard	Cessation of movement within 2 minutes at 50% CO ₂
Water-based foaming	Floor-reared	Cessation of movement within 10 minutes
Cervical dislocation +/- mechanically assisted	Floor-reared and backyard	One application
Captive bolt gun	Floor-reared	One application
Permitted methods under constrained circumstances ¹		
Method	Type of poultry	Standard
Ventilation shutdown plus heat	Caged and floor-reared	Minimum temperature of 104°F to 110°F within 30 minutes, for a minimum of three hours
Not recommended ¹		
Method	Type of poultry	Standard
Ventilation shutdown only	Any	None

Official veterinarians and their delegates in overseeing depopulation should:

- Balance animal welfare concerns with rapid and aggressive response to the animal health emergency.
- Consider the immediate risk of the depopulation activities to the health and safety of responders.
- Verify that the Incident Commander's intent for selected depopulation method(s) is carried out.
- Stop activities that endanger responders, fail to meet standards for achieving depopulation goals, or are resulting in unacceptable stress to the birds. If the observer is unable to stop the activity, immediately notify the chain of command about the problem.
- Ensure a secondary method of depopulation is available and applied if the primary method fails to achieve depopulation goal.

Collect contact numbers prior to arrival at site:

Contact	Name	Phone Number
Incident Commander	Robin Pruisner	Click or tap here to enter text.
National Incident Commander	Koren Custer	Click or tap here to enter text.
Safety Officer	Click or tap here to enter text.	Click or tap here to enter text.
Site Point of Contact	Click or tap here to enter text.	Click or tap here to enter text.
Total number of houses/barns on site:		

HPAI Monitoring Depopulation Report

(Prem Name) / Prem ID:

Goal: 100% mortality of birds in as short a time as possible with no injuries to responders

Table 1: Selected Methods of Depopulation

Preferred methods of depopulation ¹		
Method	Type of poultry	Standard
Whole house gassing	Caged and floor-reared	CO ₂ >40% and O ₂ <10% within the house for 10 minutes
Container gassing	Caged and backyard	Cessation of movement within 2 minutes at 50% CO ₂
Water-based foaming	Floor-reared	Cessation of movement within 10 minutes
Cervical dislocation +/- mechanically assisted	Floor-reared and backyard	One application
Captive bolt gun	Floor-reared	One application
Permitted methods under constrained circumstances ¹		
Method	Type of poultry	Standard
Ventilation shutdown plus heat	Caged and floor-reared	Minimum temperature of 104°F to 110°F within 30 minutes, for a minimum of three hours
Not recommended ¹		
Method	Type of poultry	Standard
Ventilation shutdown only	Any	None

Official veterinarians and their delegates in overseeing depopulation should:

- Balance animal welfare concerns with rapid and aggressive response to the animal health emergency.
- Consider the immediate risk of the depopulation activities to the health and safety of responders.
- Verify that the Incident Commander's intent for selected depopulation method(s) is carried out.
- Stop activities that endanger responders, fail to meet standards for achieving depopulation goals, or are resulting in unacceptable stress to the birds. If the observer is unable to stop the activity, immediately notify the chain of command about the problem.
- Ensure a secondary method of depopulation is available and applied if the primary method fails to achieve depopulation goal.

Collect contact numbers prior to arrival at site:

Contact	Name	Phone Number
Incident Commander	Robin Pruisner	Click or tap here to enter text.
National Incident Commander	Koren Custer	Click or tap here to enter text.
Safety Officer	Click or tap here to enter text.	Click or tap here to enter text.
Site Point of Contact	Click or tap here to enter text.	Click or tap here to enter text.
Total number of houses/barns on site:		<input type="text"/>

HPAI Monitoring Depopulation Report

Site / Prem ID:

Prepare a separate report for each house

House Name/Number	
--------------------------	--

Set up and Preparation Activities (Examples: penning, sealing building, setting up containers):		
Description: Barn fans sealed with plastic by overnight staff. At 11:30 am, all fans manually shut off. Supplemental heat was not used as heating units undergo automatic shut-off when ambient temperature rises above 100 degrees F. Lights left on.		
Date: 3/19/2022	Start time: 11:30 am	Finish time: 2:30 pm

Weather Considerations (Examples: temp, wind, rain, ice, snow):
Description: Outside temperature was approximately 45 degrees Fahrenheit.

Primary Depopulation Method: Ventilation Shutdown + heat			
Comments: Ventilation shut down with heat.			
Start time:	11:30 am	Approximate time at 50% mortality:	Click or tap here to enter text.
Time at 100% mortality or cessation of primary method:		1:00 pm	
Was standard achieved?	Yes		

Secondary Depopulation Method: Cervical Dislocation +/- mechanically assisted	
Comments: Click or tap here to enter text.	
Was secondary method required?	Yes
Number of birds requiring secondary method:	Approx.
Finish time (100% mortality):	TBD
Was standard achieved?	Yes

Notes:
Barn achieved desired 104 degrees F within 35 minutes and maintained temperatures of 106-107 degrees F for the duration. Secondary depopulation method will continue through the night to achieve 100% mortality.

Name/Title of personnel completing this form: Julie Aebi, VMO

Reece, Kelley

From: Busby, Savannah - MRP-APHIS, Conyers, GA <Savannah.Busby@usda.gov>
Sent: Friday, March 18, 2022 8:00 PM
To: Busby, Savannah - MRP-APHIS, Conyers, GA
Subject: IA H5N1 HPAI - SitRep #8 -Non-Commercial Backyard Flock (Non-Poultry), Commercial [REDACTED] - Pottawattamie, Buena Vista and Taylor Counties - 3/18/22
Attachments: IA H5N1 HPAI 2022 SitRep #8 3.18.22.docx
Categories: Green Category

Updates and corrections are in red.

Attached is **SitRep #8** for **NVSL-confirmed H5N1 HPAI positive results from a Non-commercial backyard premises (non-poultry) located in Pottawattamie County, a Commercial [REDACTED] in Buena Vista County, and a commercial [REDACTED].** NVSL confirmed H5 by PCR; testing included a PCR targeting the Eurasian H5 2.3.4.4b goose/Guangdong lineage. NVSL partial sequence direct from the specimen characterized the virus as H5N1 HPAI (pathotype determined from cleavage site analysis). **As of 7 March 2022, the available epidemiologic data and analysis of over 200 full genome H5N1 HPAI sequences from wild and domestic birds supports independent wild bird introduction(s). Analysis will continue as data are available. The premises in Pottawattamie County, Buena Vista County and Taylor County have been depopulated. Depopulation is in progress on the commercial layer chicken flock in Buena Vista County.**

- On February 28, The Nebraska Veterinary Diagnostic Laboratory notified the Iowa Department of Agriculture and Land Stewardship of a backyard mixed species flock of chickens and ducks that had experienced high chicken mortality. Flock owners had initially submitted a single bird to the diagnostic lab on 2/22/22; signs and mortality at that time were not highly suggestive of HPAI.
- Upon further correspondence with owners regarding ongoing mortality, the Nebraska Veterinary Diagnostic Laboratory conducted IAV matrix PCR and H5 PCR on the submitted bird on 2/28/22, both of which had non-negative results. Samples were forwarded to NVSL and H5N1-clade 2.3.4.4b HPAI was confirmed by PCR on 3/1/2022. The remaining ducks on the premises were sampled 2/28/22 and results from NVSL on 3/1/2022 also detected H5 2.3.4.5b HPAI by PCR. All [REDACTED] chickens on the premises died between 2/17/22 and 2/24/22, and the remaining ducks were depopulated by cervical dislocation by state and federal personnel on 3/1/2022. Birds on this premises are considered non-poultry; they were used solely for personal consumption and did not enter commerce.

- A commercial [REDACTED] in Buena Vista County reported increased mortality, and decreased water consumption on 3/6/2022. Oropharyngeal swabs were submitted directly to NVSL and H5N1 2.3.3.4b HPAI was confirmed by PCR on 3/6/2022. The site was quarantined on 3/6/2022, depopulation was initiated on 3/6/2022 and completed on 3/7/2022.
- A commercial [REDACTED] in Taylor County reported increased mortality, cyanosis, diarrhea, and neurologic signs in one barn of an 11-barn site on 3/10/2022. Oropharyngeal swabs were submitted directly to NVSL and H5 2.3.3.4b HPAI was confirmed by PCR on 3/10/2022. The site was quarantined on 3/10/2022. Depopulation was initiated on 3/10/2022 and depopulation was completed 3/14/2022.
- A commercial [REDACTED] in Buena Vista County (Buena Vista 02) reported increased mortality in one barn [REDACTED] on 3/17/2022. Oropharyngeal swabs from the affected barn were submitted directly to NVSL and H5 2.3.4.4b HPAI was confirmed by PCR on 3/17/2022. The site was quarantined on 3/17/2022. Depopulation is in progress.

Surveillance Information

- [REDACTED] backyard premises have been identified in the control area around Buena Vista 02 and census activities are pending.
- [REDACTED] commercial poultry sites have been identified in the control area of Buena Vista 02 and surveillance samples will be submitted 3/18/2022.

Education and Outreach

- On 3/16/22 the Iowa Department of Agriculture and Land Stewardship created and launched targeted advertisements on social media designed to increase awareness on highly pathogenic avian influenza (HPAI), its signs and steps bird owners should take to protect their flocks. The Iowa Department of Agriculture and Land Stewardship is also maintaining an online information page at <https://iowaagriculture.gov/animal-industry-bureau/avian-influenza>.

Response Activities

- The fourth and final round of surveillance samples on the [REDACTED] in the surveillance zone around Pottawattamie 01 was collected on 3/16/2022. Results were negative. On the final collection date of 3/16/2022, 14 days had elapsed from the disposal of all infected birds from Pottawattamie 01. Based on the policy guidance for surveillance around non-poultry premises, the surveillance zone around Pottawattamie 01 was discontinued 3/17/2022.
- Compost capping was completed on all barns of Buena Vista 01 on 3/16/2022.
- Initial virus elimination was completed on Buena Vista 01 3/17/2022.
- Compost windrow construction is in progress on Taylor 01.

- Buena Vista 02 has been quarantined. Depopulation is beginning on [REDACTED] of Buena Vista 02 on 3/18/2022 by ventilation shutdown + heat, as well as CO₂ carts.
- Surveillance samples from commercial poultry premises in the Control Area of Buena Vista 02 will be submitted 3/18/2022.

Incident Resources

Organization/Agency	On-Site	Virtual
IDALS	34	0
USDA-APHIS VS	9	2
Grand Total	43	2

Current trade ban/status: These findings will be reported to the OIE immediately. It meets the HPAI criteria for reporting to the OIE that became effective June 01, 2021. Trading partners will be notified in accordance with individual agreements.

Thanks,

Savannah L. Busby, DVM

National Poultry Improvement Plan
 Compartmentalization Coordinator
 USDA APHIS VS
 1506 Klondike Road SW, Suite 101
 Conyers, GA 30094
 Office: 770-922-3496
 Cell: 678-501-1476
 Fax: 770-922-3498
 Savannah.Busby@usda.gov

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Reece, Kelley

From: Petersburg, Kevin L - APHIS <kevin.l.petersburg@usda.gov>
Sent: Friday, March 18, 2022 8:04 PM
To: Aebi, Julie R - APHIS; Schmitt, Greg
Subject: FW: [External Email] [REDACTED]

Categories: Green Category

FYI

From: Miknis, Robert A - APHIS <robert.a.miknis@usda.gov>
Sent: Friday, March 18, 2022 7:05 PM
To: Petersburg, Kevin L - APHIS <kevin.l.petersburg@usda.gov>; [REDACTED] <[REDACTED]>; robin.pruisner@iowaAgriculture.gov; Jeff.Kaisand@iowaagriculture.gov
Cc: [REDACTED] <[REDACTED]>
Subject: RE: [External Email] [REDACTED]

HI Team

Let's work break it down and manage we can make things happen ●

- Birds are down, disposal needs to happen
- Virtual band-aid – Lets get things in motion
 - o Consult virtual with [REDACTED] can answer questions, carbon, recommendations, direction
 - o Consult virtual with local (State can [REDACTED] has top notch folks!!
- Immediacy – State local folks there
- I am working USDA assets – ASAP to get there but have to fly in (My hands are tied getting assets anywhere w/o contract)
- Birds can be “predisposition” to location. Put litter down and covered this will be a triage and will soak up leachate
- Continue and until SME can work site and other needs
- We have time and this will be a lengthy process. Things are manageable and we have an incredible TEAM!

Let me try some other avenues to expedite

Respectfully

Rob

From: Petersburg, Kevin L - APHIS <kevin.l.petersburg@usda.gov>
Sent: Friday, March 18, 2022 5:01 PM
To: [REDACTED] <[REDACTED]>; robin.pruisner@iowaAgriculture.gov; Jeff.Kaisand@iowaagriculture.gov
Cc: [REDACTED] <[REDACTED]>; Miknis, Robert A - APHIS <robert.a.miknis@usda.gov>
Subject: RE: [External Email] [REDACTED]

I have asked [REDACTED] to correspond with you directly to determine if the person on your staff has had the training that would meet the standard to allow USDA to reimburse for composting. Rob Miknis is a USDA Environmental

Engineer who provides oversight for composting. The USDA only recognizes people who have had specific training to function as SMEs for composting. We can only reimburse for composting if one of the people that the USDA recognizes as an SME is on site making sure the compost pile is built correctly.

Dr. Petersburg

From: [REDACTED] <[REDACTED]>
Sent: Friday, March 18, 2022 5:31 PM
To: robin.pruisner@iowaAgriculture.gov; Jeff.Kaisand@iowaagriculture.gov; Petersburg, Kevin L - APHIS <kevin.l.petersburg@usda.gov>
Cc: [REDACTED] <[REDACTED]>
Subject: [External Email] [REDACTED]
Importance: High

[External Email]

If this message comes from an **unexpected sender** or references a **vague/unexpected topic**,
Use caution before clicking links or opening attachments.
Please send any concerns or suspicious messages to: Spam.Abuse@usda.gov

Sorry to be a pest, but I'm looking for guidance. [REDACTED] started its VSD+ early this afternoon and is now in the process of starting removal of the dead birds from [REDACTED]. We are proceeding as fast as possible, but when looking for the "ok" to start up the composting process, we have been directed a few ways, and have been unable to locate and speak to the SME (Subject Matter Expert) that the state has in place. I understand there is only one in Iowa? We do have a certified compost person on staff at [REDACTED] who could quickly get going on this project if we could get connected with the SME to we can start immediately with composting, and not be in a position where we have to temporarily house the bird carcasses and then later move them to the composting pile.

Is there a way for us to get approval to get this completed ASAP and the appropriate direction?? Sorry – we're under significant pressure to complete this ASAP, so your assistance here would be much appreciated!!

[REDACTED]
[REDACTED]
Office [REDACTED]
Cell [REDACTED]

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Reece, Kelley

From: [REDACTED] <[REDACTED].com>
Sent: Saturday, March 19, 2022 7:02 AM
To: [REDACTED]; Praisner, Robin; Kaisand, Jeff; kevin.l.petersburg; Jay [REDACTED]
Cc: [REDACTED]
Subject: Re: [REDACTED]

Categories: Green Category

He's been busing workers to the site since 4:00 am. He is calling you now.

Get [Outlook for iOS](#)

From: [REDACTED]
Sent: Saturday, March 19, 2022 5:32:46 AM
To: [REDACTED] <[REDACTED]>; Praisner, Robin <Robin.Praisner@lowaagriculture.gov>; Kaisand, Jeff <Jeff.Kaisand@lowaagriculture.gov>; kevin.l.petersburg <kevin.l.petersburg@usda.gov>; [REDACTED]
<[REDACTED]>
Cc: [REDACTED] <[REDACTED]>
Subject: [EXTERNAL] RE: [REDACTED]

Ok if he yells at me it's your fault.

Kris

He might not be up yet he did not answer.

From: [REDACTED] <[REDACTED]>
Sent: Saturday, March 19, 2022 5:22 AM
To: [REDACTED]; Praisner, Robin <Robin.Praisner@lowaagriculture.gov>; Kaisand, Jeff <Jeff.Kaisand@lowaagriculture.gov>; kevin.l.petersburg <kevin.l.petersburg@usda.gov>; [REDACTED]
<[REDACTED]>
Cc: [REDACTED] <[REDACTED]>
Subject: Re: [REDACTED]

[REDACTED] I know [REDACTED] is already up and about and is prepared at any time to take your call. Thanks!!
[REDACTED]

Get [Outlook for iOS](#)

From: [REDACTED]
Sent: Saturday, March 19, 2022 1:37:41 AM
To: [REDACTED] <[REDACTED]>; Praisner, Robin <Robin.Praisner@lowaagriculture.gov>; Kaisand, Jeff <Jeff.Kaisand@lowaagriculture.gov>; kevin.l.petersburg <kevin.l.petersburg@usda.gov>; [REDACTED]
<[REDACTED]>
Cc: [REDACTED] <[REDACTED]>
Subject: [EXTERNAL] RE: [REDACTED]

Yes I will how early is too early.

From: [REDACTED] <[REDACTED]>
Sent: Friday, March 18, 2022 9:27 PM
To: [REDACTED]; Praisner, Robin <Robin.Praisner@lowaagriculture.gov>; Kaisand, Jeff <Jeff.Kaisand@lowaagriculture.gov>; kevin.l.petersburg <kevin.l.petersburg@usda.gov>; [REDACTED]
Cc: [REDACTED]
Subject: Re: [REDACTED]

I am confident [REDACTED] will be available in the am. If not, can you please call me?

Get Outlook for iOS

From: [REDACTED] <[REDACTED]>
Sent: Friday, March 18, 2022 8:54 PM
To: [REDACTED]; Praisner, Robin <Robin.Praisner@lowaagriculture.gov>; Kaisand, Jeff <Jeff.Kaisand@lowaagriculture.gov>; kevin.l.petersburg <kevin.l.petersburg@usda.gov>
Cc: [REDACTED]
Subject: [EXTERNAL] RE: [REDACTED]

I tried to call [REDACTED] and did text him will work tomorrow?

From: [REDACTED] <[REDACTED]>
Sent: Friday, March 18, 2022 6:02 PM
To: Praisner, Robin <Robin.Praisner@lowaagriculture.gov>; Kaisand, Jeff <Jeff.Kaisand@lowaagriculture.gov>; kevin.l.petersburg <kevin.l.petersburg@usda.gov>; Kohl, Kris [EXTAG] <kkohl1@iastate.edu>
Cc: [REDACTED]
Subject: RE: [REDACTED]

The person on our staff who has been trying to reach this person is [REDACTED] who I've copied on this email. [REDACTED] has experience with composting, and has received some training (though obviously not on HPAI). His cell number is [REDACTED]. If possible, might make sense for [REDACTED] to contact [REDACTED] directly. However, I will be available to discuss if he has time to discuss tonight!! Whatever we can do to make this happen quickly. Thanks!

Office [REDACTED]
Cell [REDACTED]

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From: Puisner, Robin <Robin.Puisner@iowaagriculture.gov>

Sent: Friday, March 18, 2022 5:58 PM

To: [REDACTED]; Kaisand, Jeff <Jeff.Kaisand@iowaagriculture.gov>;

kevin.l.petersburg <kevin.l.petersburg@usda.gov>; [REDACTED]

Cc: [REDACTED]

Subject: [EXTERNAL] RE: [REDACTED]

Hi [REDACTED]

As with many things in life, it's complicated. This is the progress we've made so far -

I just called to the local composting SME (subject matter expert) that is in your area, luckily, is in BV County. His contact information:

[REDACTED]

[REDACTED]

[REDACTED] is leaving home for an event tonight, he will call you after. [REDACTED] contact information is below. And [REDACTED] this is another contact at [REDACTED] for composting, [REDACTED], [REDACTED].

And, BV2 il have a senior SME assigned, likely to be from out of state, and be available virtually. I do not have that contact yet.

Robin D. Puisner

State Entomologist, Hemp Administrator

- & - Ag Security Coordinator



IOWA DEPARTMENT OF
AGRICULTURE &
LAND STEWARDSHIP

State Laboratory Facility

2230 S. Ankeny Boulevard | Ankeny, IA 50023

Desk: (515) 725-1465 | Cell: (515) 231-4481

Robin.Puisner@iowaAgriculture.gov

<https://iowaagriculture.gov/hemp>

From: [REDACTED] <[REDACTED]>

Sent: Friday, March 18, 2022 5:31 PM

To: Puisner, Robin <Robin.Puisner@iowaagriculture.gov>; Kaisand, Jeff <Jeff.Kaisand@iowaagriculture.gov>;

kevin.l.petersburg <kevin.l.petersburg@usda.gov>

Cc: [REDACTED]

Subject: [REDACTED]

Importance: High

Sorry to be a pest, but I'm looking for guidance. [REDACTED] started its VSD+ early this afternoon and is now in the process of starting removal of the dead birds from [REDACTED]. We are proceeding as fast as possible, but when looking for the "ok" to start up the composting process, we have been directed a few ways, and have been unable to locate and speak to the SME (Subject Matter Expert) that the state has in place. I understand there is only one in Iowa? We do have a certified compost person on staff at [REDACTED], who could quickly get going on this project if we could get connected with the SME to we can start immediately with composting, and not be in a position where we have to temporarily house the bird carcasses and then later move them to the composting pile.

Is there a way for us to get approval to get this completed ASAP and the appropriate direction?? Sorry – we're under significant pressure to complete this ASAP, so your assistance here would be much appreciated!!

[REDACTED]
[REDACTED]
Office [REDACTED]
Cell [REDACTED]

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Reece, Kelley

From: Lee, James O - APHIS <james.o.lee@usda.gov>
Sent: Saturday, March 19, 2022 8:16 AM
To: [REDACTED]
Cc: Knight, Travis
Subject: FW: Reports for yesterday
Attachments: HPAI Monitoring Depopulation Report_barn3.docx; HPAI Monitoring Depopulation Report_Barn 4.docx

Categories: Green Category

Good morning [REDACTED] can you rename and hang these monitoring reports in E&D for BV02?
We probably need to ferret out monitoring reports for other sites- Taylor 01 and BV 01 and hang in there respective E&D records. They are probably sitting on someone's desktop somewhere- the bane of a Doc Unit Leads existence! We'll need to train CM to funnel these monitoring reports to you.
-Jim

James Lee DVM MPH Dipl. ACVPM
Epidemiology Officer- Iowa
USDA APHIS Veterinary Services, Field Operations- District 2
210 Walnut Street, Room 891 | Des Moines, IA 50309-2105
Cell: (774) 276-7787
Office: (515) 323-2104
James.O.Lee@usda.gov

From: Kaisand, Jeff <Jeff.Kaisand@iowaagriculture.gov>
Sent: Saturday, March 19, 2022 7:55 AM
To: robin.pruisner@iowaAgriculture.gov; Petersburg, Kevin L - APHIS <kevin.l.petersburg@usda.gov>
Cc: Greg.Schmitt@iowaagriculture.gov; Aebi, Julie R - APHIS <julie.r.aebi@usda.gov>; Lee, James O - APHIS <james.o.lee@usda.gov>
Subject: Reports for yesterday

Attached are my reports from yesterday.
If you have any questions, please let me know.

Jeff Kaisand

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Reece, Kelley

From: Puisner, Robin
Sent: Saturday, March 19, 2022 8:30 AM
To: kevin.l.petersburg;Kaisand, Jeff
Cc: Schmitt, Greg;Aebi, Julie R - APHIS;james.o.lee
Subject: Re: Reports for yesterday

Categories: Green Category

This is what the State rented for Tay1

<https://www.zieglerrental.com/equipment/temperature-control/heaters/1000000-btu-maxi-heat/>

There a large collapsible tube (think dryer vent tube but more sturdy and maybe ~24" across) so you can direct the heat. The unit needs to stay outside, tube the heat in. I can't remember how many feet of hose came with an unit.

Robin D. Puisner
Iowa Department of Agriculture and Land Stewardship
515-725-1465 o | 515-231-4481 c
Robin.Puisner@IowaAgriculture.gov

** sent from my cell with an itty-bitty keyboard, please excuse the numerous typos **

From: Petersburg, Kevin L - APHIS <kevin.l.petersburg@usda.gov>
Sent: Saturday, March 19, 2022 8:18:10 AM
To: Puisner, Robin <Robin.Puisner@Iowaagriculture.gov>; Kaisand, Jeff <Jeff.Kaisand@Iowaagriculture.gov>
Cc: Schmitt, Greg <Greg.Schmitt@Iowaagriculture.gov>; Aebi, Julie R - APHIS <julie.r.aebi@usda.gov>; james.o.lee <james.o.lee@usda.gov>
Subject: Re: Reports for yesterday

[REDACTED] is asking if supplemental heaters were utilized and ,if so, what size and type. Since they are working for VSD+ in [REDACTED]

Get [Outlook for iOS](#)

From: Kaisand, Jeff <Jeff.Kaisand@Iowaagriculture.gov>
Sent: Saturday, March 19, 2022 7:55:27 AM
To: robin.puisner@IowaAgriculture.gov <robin.puisner@IowaAgriculture.gov>; Petersburg, Kevin L - APHIS <kevin.l.petersburg@usda.gov>
Cc: Greg.Schmitt@Iowaagriculture.gov <Greg.Schmitt@Iowaagriculture.gov>; Aebi, Julie R - APHIS <julie.r.aebi@usda.gov>; Lee, James O - APHIS <james.o.lee@usda.gov>
Subject: Reports for yesterday

Attached are my reports from yesterday.
If you have any questions, please let me know.

Jeff Kaisand

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Reece, Kelley

From: Lee, James O - APHIS <james.o.lee@usda.gov>
Sent: Saturday, March 19, 2022 11:49 AM
To: kevin.l.petersburg;Pruisner, Robin
Cc: Knight, Travis
Subject: For review: IA H5N1 HPAI 2022 SitRep #9 3.19.22
Attachments: IA H5N1 HPAI 2022 SitRep #9 3.19.22.docx

Categories: Green Category

For review: IA H5N1 HPAI 2022 SitRep #9 3.19.22

Includes updates to:

- BV02 depopulation
- Round 1 control area commercial surveillance around BV 02 complete- negative
- BV02 NVSL subtyping

James Lee DVM MPH Dipl. ACVPM
Epidemiology Officer- Iowa
USDA APHIS Veterinary Services, Field Operations- District 2
210 Walnut Street, Room 891 | Des Moines, IA 50309-2105
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Case Manager Activity Log

ICS-214

HPAI 2022



Prem ID: [REDACTED]

Case Manager: Julie Aebi / Greg Schmitt

Today's Date: 3/18/2022

*Submit supporting Documentation

Contains New Information for Tally: ☒ Yes ☐ No

Premises	Date	Disposal	Date
*Flock/Herd Inventory (Log)	3/17/2022	Disposal Method (Log)	On-site composting
Onset of Clinical Signs (Log)	3/17/2022	Disposal Scheduled Start Date	
Estimated Mortality % (Log)	0.4%	Disposal Start Date	
*Request for Indemnity (Log)	3/17/2022	Compost Cap Date	
*Mortality Records (Log)	3/17/2022	Temperature Monitoring Start	
*Quarantine	3/17/2022	Compost Turn Date	
		Disposal Scheduled End	
Flock Plan		Disposal Completed Date	
*HPAI-OPS Approved		Permitted Movement (Log)	
*Owner Signed		*Compost Log Submitted	
Epidemiology Survey		*Compost Release Letter	
Euthanasia		Cleaning	
Euthanasia Method (Log)	VSD+	Cleaning Method (Log)	
Scheduled Start Date	3/18/2022	Party Performing Cleaning (Log)	
Start Date	3/18/2022	Scheduled Start Date	
Scheduled End Date	3/21/2022	Cleaning Start Date	
Completed Date		Cleaning Scheduled End Date	
Number euthanized today (Log)	[REDACTED]	Cleaning Date Completed	
Activity Log		*Cleaning Inspection Report Submitted	
Depop completed [REDACTED]		Disinfection	
		Disinfection Method (Log)	
		Disinfectant Applied (Log)	
		Party Performing Disinfection (Log)	
		Scheduled Start Date	
		Start Date	
		Scheduled End Date	
		Initial VE Completed Date	
		Final Disinfection Completed Date	
		*Final Inspection Report Submitted	
		*Environmental Samples Submitted (Log)	
		*Restock Approval Letter Received	
		Test Re-stocked Poultry	
		*Quarantine Release	
		ICS Position: Case Manager	
		Home Agency: FiOps D4	
		RESOURCES (PEOPLE)	

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Case Manager Activity Log
ICS-214
HPAI 2022



Prem ID: [REDACTED]

Case Manager: Julie Aebi / Greg Schmitt

Today's Date: 3/19/2022

*Submit supporting Documentation

Contains New Information for Tally: ☒ Yes ☐ No

Premises	Date	Disposal	Date
*Flock/Herd Inventory (Log)	3/17/2022	Disposal Method (Log)	On-site composting
Onset of Clinical Signs (Log)	3/17/2022	Disposal Scheduled Start Date	
Estimated Mortality % (Log)	0.4%	Disposal Start Date	
*Request for Indemnity (Log)	3/17/2022	Compost Cap Date	
*Mortality Records (Log)	3/17/2022	Temperature Monitoring Start	
*Quarantine	3/17/2022	Compost Turn Date	
		Disposal Scheduled End	
Flock Plan		Disposal Completed Date	
*HPAI-OPS Approved		Permitted Movement (Log)	
*Owner Signed		*Compost Log Submitted	
Epidemiology Survey		*Compost Release Letter	
Euthanasia		Cleaning	
Euthanasia Method (Log)	VSD+	Cleaning Method (Log)	
Scheduled Start Date	3/18/2022	Party Performing Cleaning (Log)	
Start Date	3/18/2022	Scheduled Start Date	
Scheduled End Date	3/21/2022	Cleaning Start Date	
Completed Date		Cleaning Scheduled End Date	
Number euthanized today (Log)	[REDACTED]	Cleaning Date Completed	
Activity Log		*Cleaning Inspection Report Submitted	
Depop completed in barn [REDACTED] Flock plan signed by [REDACTED]		Disinfection	
		Disinfection Method (Log)	
		Disinfectant Applied (Log)	
		Party Performing Disinfection (Log)	
		Scheduled Start Date	
		Start Date	
		Scheduled End Date	
		Initial VE Completed Date	
		Final Disinfection Completed Date	
		*Final Inspection Report Submitted	
		*Environmental Samples Submitted (Log)	
		*Restock Approval Letter Received	
		Test Re-stocked Poultry	
		*Quarantine Release	
		ICS Position: Case Manager	
		Home Agency: FIOps D4	
		RESOURCES (PEOPLE)	

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Reece, Kelley

From: Aebi, Julie R - APHIS <julie.r.aebi@usda.gov>
Sent: Saturday, March 19, 2022 5:43 PM
To: Schmitt, Greg
Subject: 214s
Attachments: [REDACTED]_CM214_20220319.docx; [REDACTED] [REDACTED]_CM214_20220318.docx

Categories: Green Category

Julie Aebi, DVM
USDA.APHIS.VS.Field Operations
Canadian, OK
(405) 747-6320
Julie.R.Aebi@usda.gov

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Reece, Kelley

From: Aebi, Julie R - APHIS <julie.r.aebi@usda.gov>
Sent: Saturday, March 19, 2022 6:20 PM
To: Kaisand, Jeff;Pruisner, Robin;kevin.l.petersburg
Cc: Schmitt, Greg;james.o.lee
Subject: HPAI Monitoring Reports for March 19
Attachments: [REDACTED] HPAI Monitoring Depopulation Report_19March2022.docx; [REDACTED] HPAI Monitoring Depopulation Report_19March2022.docx; [REDACTED] HPAI Monitoring Depopulation Report_19March2022.docx; [REDACTED] HPAI Monitoring Depopulation Report_19March2022.docx

Categories: Green Category

Synopsis: Barns [REDACTED] experienced some difficulty in maintaining a consistently high temperature for a duration beyond 2 hours. Approximately 98-99% mortality was achieved, but container gassing was required for the remaining [REDACTED] birds. Poor insulation of the [REDACTED] may have impacted this result, along with lack of attention to detail during the wrapping phase. Barn [REDACTED] went very smoothly and under optimal conditions.

Please let me know if I can address any questions.

Thank you,

Julie

From: Kaisand, Jeff <Jeff.Kaisand@iowaagriculture.gov>
Sent: Saturday, March 19, 2022 7:55 AM
To: robin.pruisner@iowaAgriculture.gov; Petersburg, Kevin L - APHIS <kevin.l.petersburg@usda.gov>
Cc: Greg.Schmitt@iowaagriculture.gov; Aebi, Julie R - APHIS <julie.r.aebi@usda.gov>; Lee, James O - APHIS <james.o.lee@usda.gov>
Subject: Reports for yesterday

Attached are my reports from yesterday.
If you have any questions, please let me know.

Jeff Kaisand

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Reece, Kelley

From: Petersburg, Kevin L - APHIS <kevin.l.petersburg@usda.gov>
Sent: Thursday, March 17, 2022 7:38 PM
To: Kaisand, Jeff
Subject: Response re: VSD+

Categories: Green Category

Dr. Custer,

USDA APHIS has evaluated the information about the layer flock in Iowa. The State Veterinarian and the company have requested the use of VSD+ as a method of depopulation. There are constrained circumstances: [REDACTED] which will require significant staff to depopulate with CO2 carts. While this is not our preferred method of depopulation, USDA APHIS has determined that the use of VSD+ will not impact the payment of Federal indemnity for this flock.

In this flock, we will support the use of whole house CO2 or cart CO2 with NVS resources as well to help facilitate depopulation as rapidly as possible.

Rosemary B Sifford, DVM
Deputy Administrator
Chief Veterinary Officer
Veterinary Services
USDA, APHIS

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Reece, Kelley

From: Bruce, Samantha - APHIS <samantha.l.bruce@usda.gov>
Sent: Friday, March 18, 2022 7:46 AM
To: Rychnovsky, Wayne
Subject: HPAI Checklist
Attachments: HPAI_newstatechecklist_2022.pdf

Categories: Green Category

Samantha Bruce DVM, MS

Veterinary Medical Officer – Pasco, WA
USDA-APHIS-VS-Field Operations District 3
1550 Irving St. Suite 100
Tumwater, WA 98512
Cell: 509-424-2978
Email: Samantha.L.Bruce@usda.gov

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Reece, Kelley

From: Petersburg, Kevin L - APHIS <kevin.l.petersburg@usda.gov>
Sent: Friday, March 18, 2022 9:46 AM
To: Pruisner, Robin; Kaisand, Jeff; Brick, Troy; Rumsey, Katie; Schmitt, Greg
Subject: FW: Documenting Depopulation Metrics, AVMA Depop Guidelines 2019, VS depop policy documents
Attachments: HPAI Monitoring Depopulation Report_template.docx; AVMA-Guidelines-for-the-Depopulation-of-Animals.pdf; depopulationpolicy_2022.pdf; ventilationshutdownpolicy_2022.pdf
Categories: Green Category

FYI, I asked Dr. Aebi to implement the HPAI monitoring Depopulation report

From: Petersburg, Kevin L - APHIS
Sent: Friday, March 18, 2022 8:56 AM
To: Aebi, Julie R - APHIS <julie.r.aebi@usda.gov>; Young, Jessica L - APHIS <jessica.l.young@usda.gov>; Goos, Bailey L - APHIS <Bailey.Goos@usda.gov>; Lee, James O - APHIS <james.o.lee@usda.gov>; Hexum, Suzett K - APHIS <suzett.hexum@usda.gov>; Holmes, Andrea - MRP-APHIS, Des Moines, IA <andrea.holmes@usda.gov>; Bruce, Samantha - APHIS <samantha.l.bruce@usda.gov>
Subject: FW: Documenting Depopulation Metrics, AVMA Depop Guidelines 2019, VS depop policy documents

From: Davis, Joanna S - APHIS, Fort Collins, CO <joanna.s.davis@usda.gov>
Sent: Friday, March 18, 2022 6:31 AM
To: APHIS-VS FiOps EC <VS.FiOps.EC@usda.gov>; APHIS-VS FiOps Directors and VICs <VS.FiOps.Directors.and.AVICs@usda.gov>; White, Rodney A - APHIS <rodney.white@usda.gov>; Brown, Lisa A - APHIS <lisa.a.brown@usda.gov>; Mayes, Michael - MRP-APHIS, Raleigh, NC <Michael.Mayes@usda.gov>; Miknis, Robert A - APHIS <robert.a.miknis@usda.gov>; O'Brien, Bethany J - APHIS <Bethany.Obrien@usda.gov>; Kohler, Dennis - APHIS <dennis.kohler@usda.gov>
Subject: FW: Documenting Depopulation Metrics, AVMA Depop Guidelines 2019, VS depop policy documents

Please see Dr. Custer's message below. Please share the "monitoring depop report" with those leading depop operations. And note where it is hung in EMRS for future reference and use.

The other 3 documents are references for depop. And as a reminder, there are major distinctions between whole house or other delivery methods of CO2 gassing; CO2 can have an anesthetic/sedative effect and birds die by hypoxia.

In ventilation shutdown plus (VSD+), heat and sometimes humidity are added to a house that's had their ventilation fans shut off. There is **no** anesthetic or sedative effect using this method. The team on the ground should be able to justify why VSD+ is being recommended for the primary depop method and what constraining methods are that limit any of the other preferred depop methods.

Joanna

From: Custer, Koren M - APHIS <koren.m.custer@usda.gov>

Sent: Thursday, March 17, 2022 6:54 PM

To: Davis, Joanna S - APHIS, Fort Collins, CO <joanna.s.davis@usda.gov>; Amsden, George - MRP-APHIS, Hazen, ND <george.m.amsden@usda.gov>; Austin, Richard - APHIS <richard.austin@usda.gov>; Givens, Jacob W - APHIS <jacob.w.givens@usda.gov>; Willis, Ellington (Mary) - APHIS <mary.e.willis@usda.gov>; Corcoran, Robyn S - APHIS <robyn.corcoran-flaherty@usda.gov>; Firebaugh, Sarah P - APHIS <sarah.p.firebaugh@usda.gov>; Mitchell, Casey M - APHIS <casey.m.mitchell@usda.gov>; Ita, Rebecca G - APHIS <Rebecca.G.Ita@usda.gov>; Bolton, Shawn M - APHIS <shawn.m.bolton@usda.gov>; Childress, Brandy - APHIS <brandy.childress@usda.gov>

Cc: Archer, Brian C - APHIS <brian.c.archer@usda.gov>; Gauthier, Julie L - APHIS <julie.gauthier@usda.gov>

Subject: Documenting Depopulation Metrics

Hi all,

A big thank you to Julie Gauthier for putting together the attached document. The intent of this document is to serve as a tool to 1) assist our field personnel who are tasked with overseeing HPAI depopulation activities and 2) capture metrics for effectiveness of depopulation. It is hung in the E&D section of EMRS and has been distributed to all of our deployed field personnel tasked with depop activities (thank you Brian Archer!), but I wanted to distribute it to y'all, too, so that you would be aware of its existence.

Please make sure that all of your assigned Ops personnel overseeing depopulation are using this form.

If you have any questions, please don't hesitate to let me know.

Thank you,
Koren



Koren Moore Custer, DVM, MPH
Director, District 1
USDA APHIS Veterinary Services
Field Operations

p: 919-855-7708

c: 774-276-1985

koren.m.custer@usda.gov

920 Main Campus Dr., Raleigh, NC 27606

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IOWA DEPARTMENT OF
AGRICULTURE &
LAND STEWARDSHIP

IDALS End of Day Summary Report

Thursday 3/17/22

Accomplishments of Thursday March 17, 2022

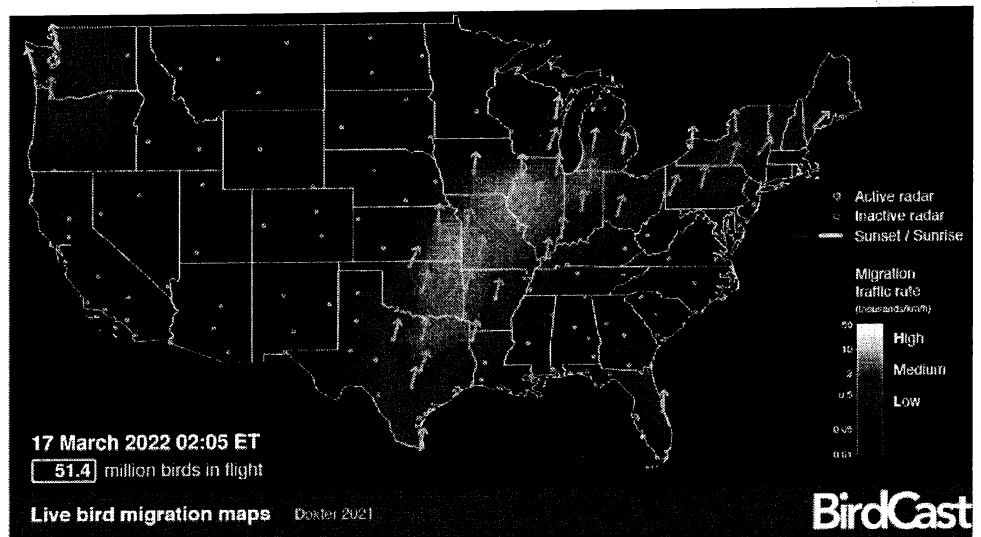
1. Composting is being finalized at BV01
 - a. Compost piles set 3/12/22 and all are capped as of 3/17/22.
 - b. Initial c/d of equipment used started 3/7/22.
2. Taylor1
 - a. Tested [REDACTED] as a [REDACTED] premises to Tay1 – results continue to be negative will switch to every other day starting Saturday
 - b. Composting SME – Ken Powell is on site
 - c. Loads of carbon are being delivered
 - d. USDA's current number depopulated is [REDACTED] birds
 - e. Composting thermometers have been ordered
3. Federal field reimbursement specialist Lupe Marques arrived, went through brief orientation, and proceeded to Taylor1 to begin working with the producer
4. The remaining [REDACTED] from Taylor1 were returned to [REDACTED] after refueling
5. Pott1 quarantine was released for the contact premises
6. BV2 - Sent Dr. Greg Schmidt and Dr. Julie Aebi to BV2 once the positive result was released. Worked with Dr. Richard Gates
7. National IMT team was requested

Goals for Friday, March 18, 2022

1. Ongoing identification of staffing gaps
2. Finish full narrative for Coop Agreement
3. Monitor and assist with VSD+ at BV2
4. Discuss who is paying for SMEs
5. Call backyard premises for BV2
6. Continue conversation with APHIS and ISU about Iowa Composting SME contract/payment plans

Parking lot

1. Potential action on exhibitions and swap meets



Reece, Kelley

From: Knight, Travis
Sent: Thursday, March 17, 2022 6:21 PM
To: Chipman, Amanda
Subject: 3-17-2022 Sit Rep_Comms Format.docx
Attachments: 3-17-2022 Sit Rep_Comms Format.docx

Categories: Green Category

draft

Reece, Kelley

From: Kaisand, Jeff
Sent: Thursday, March 17, 2022 6:10 PM
To: Petersburg, Kevin L - APHIS
Subject: FW: Request form
Attachments: HPAI VSD PLUS REQUEST AND APPROVAL Buena Vista 02jjk.pdf

Categories: Green Category

From: Kaisand, Jeff
Sent: Thursday, March 17, 2022 4:54 PM
To: [REDACTED]
Cc: Puisner, Robin <Robin.Puisner@iowaagriculture.gov>
Subject: Request form

Jeff Kaisand
State Veterinarian
Executive Secretary Iowa Board of Veterinary Medicine



Wallace State Office Building
502 E. 9th St. Des Moines, IA 50319

Cell: (515) 240-6632
Desk: (515) 281.0866
Jeff.Kaisand@iowaAgriculture.gov

Reece, Kelley

From: Knight, Travis
Sent: Thursday, March 17, 2022 6:40 PM
To: Puisner, Robin
Subject: 3-17-2022 Sit Rep_Comms Format.docx
Attachments: 3-17-2022 Sit Rep_Comms Format.docx

Categories: Green Category

Reece, Kelley

From: Lindley, Tami J - APHIS <tami.j.lindley@usda.gov>
Sent: Thursday, March 17, 2022 12:44 PM
To: Rumsey, Katie
Subject: Case Manger
Attachments: 2022 Case Management PPT TN HPAI 2017_Humphrey.pdf; 2022 Case manager training_Poultry_Yates.pdf; 2022 Environmental Sampling - Humphrey.pdf; 2022 Virus Elimination - Humphrey.pdf

Categories: Green Category

Tami J Lindley
Animal Identification Coordinator, IA

USDA-APHIS-VS
2404 2nd Street SW
Altoona, IA 50009-2105
Mobile (515)669-0112
tami.j.lindley@usda.gov

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Reece, Kelley

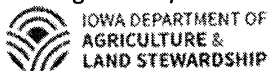
From: Puisner, Robin
Sent: Thursday, March 17, 2022 2:36 PM
To: kevin.l.petersburg;james.o.lee;Kaisand, Jeff
Subject: RE: Draft of VSD+ request for you to complete and send to Buena Vista 02

Categories: Green Category

Works for me.

Robin D. Puisner

State Entomologist, Hemp Administrator
- & - Ag Security Coordinator



State Laboratory Facility
2230 S. Ankeny Boulevard | Ankeny, IA 50023
Desk: (515) 725-1465 | Cell: (515) 231-4481
Robin.Puisner@iowaAgriculture.gov
<https://iowaagriculture.gov/hemp>

From: Petersburg, Kevin L - APHIS <kevin.l.petersburg@usda.gov>
Sent: Thursday, March 17, 2022 2:35 PM
To: Puisner, Robin <Robin.Puisner@iowaagriculture.gov>; james.o.lee <james.o.lee@usda.gov>; Kaisand, Jeff <Jeff.Kaisand@iowaagriculture.gov>
Subject: RE: Draft of VSD+ request for you to complete and send to Buena Vista 02

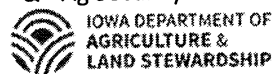
All I can say is my notes said [REDACTED] Actually on [REDACTED]'s Excel spreadsheet [REDACTED] have high numbers. I don't think it makes too much difference as far as justifying VSD+ do you?

From: Puisner, Robin <Robin.Puisner@iowaagriculture.gov>
Sent: Thursday, March 17, 2022 2:28 PM
To: Lee, James O - APHIS <james.o.lee@usda.gov>; Jeff.Kaisand@iowaagriculture.gov
Cc: Petersburg, Kevin L - APHIS <kevin.l.petersburg@usda.gov>
Subject: RE: Draft of VSD+ request for you to complete and send to Buena Vista 02

Box 2 says [REDACTED]. According to my notes from a call earlier today [REDACTED] - a total of [REDACTED] But when I look at the map and try to county ... it's confusing

Robin D. Puisner

State Entomologist, Hemp Administrator
- & - Ag Security Coordinator



State Laboratory Facility
2230 S. Ankeny Boulevard | Ankeny, IA 50023
Desk: (515) 725-1465 | Cell: (515) 231-4481
Robin.Puisner@iowaAgriculture.gov
<https://iowaagriculture.gov/hemp>

From: Lee, James O - APHIS <james.o.lee@usda.gov>
Sent: Thursday, March 17, 2022 2:18 PM
To: Kaisand, Jeff <Jeff.Kaisand@iowaagriculture.gov>; Puisner, Robin <Robin.Puisner@iowaagriculture.gov>
Cc: kevin.l.petersburg <kevin.l.petersburg@usda.gov>
Subject: FW: Draft of VSD+ request for you to complete and send to Buena Vista 02

Jeff and Robin,
I reviewed the [REDACTED] separation excel workbook and after deciphering all the tabs- it still looks like there are [REDACTED] premises in the tentative control area. I've included the other edits in this version [REDACTED] direct contacts and premises ID added.
To be forwarded to [REDACTED] if you concur.
-Jim

James Lee DVM MPH Dipl. ACVPM
Epidemiology Officer- Iowa
USDA APHIS Veterinary Services, Field Operations- District 2
210 Walnut Street, Room 891 | Des Moines, IA 50309-2105
Cell: (774) 276-7787
Office: (515) 323-2104
James.O.Lee@usda.gov

From: Lee, James O - APHIS
Sent: Thursday, March 17, 2022 12:42 PM
To: Kaisand, Jeff <Jeff.Kaisand@iowaagriculture.gov>; Petersburg, Kevin L - APHIS <kevin.l.petersburg@usda.gov>; robin.puisner@iowaAgriculture.gov; Rumsey, Katie <Katie.Rumsey@iowaagriculture.gov>; troy.brick@iowaagriculture.gov
Subject: RE: Draft of VSD+ request for you to complete and send to Buena Vista 02

This version has prem ID added: [REDACTED]
Number of commercial poultry prems in [REDACTED] (not including [REDACTED])
Number of backyard non-poultry prems in [REDACTED]

Let me know if I can fill in any additional missing info.
-Jim

James Lee DVM MPH Dipl. ACVPM
Epidemiology Officer- Iowa
USDA APHIS Veterinary Services, Field Operations- District 2
210 Walnut Street, Room 891 | Des Moines, IA 50309-2105
Cell: (774) 276-7787
Office: (515) 323-2104
James.O.Lee@usda.gov

From: Kaisand, Jeff <Jeff.Kaisand@iowaagriculture.gov>
Sent: Thursday, March 17, 2022 12:35 PM
To: Petersburg, Kevin L - APHIS <kevin.l.petersburg@usda.gov>; robin.puisner@iowaAgriculture.gov; Rumsey, Katie <Katie.Rumsey@iowaagriculture.gov>; troy.brick@iowaagriculture.gov; Lee, James O - APHIS <james.o.lee@usda.gov>
Subject: RE: Draft of VSD+ request for you to complete and send to Buena Vista 02

Jim,

Can you fill in the missing numbers?

Jeff

From: Petersburg, Kevin L - APHIS <kevin.l.petersburg@usda.gov>

Sent: Thursday, March 17, 2022 12:27 PM

To: Kaisand, Jeff <Jeff.Kaisand@iowaagriculture.gov>; Pruisner, Robin <Robin.Pruisner@iowaagriculture.gov>; Rumsey, Katie <Katie.Rumsey@iowaagriculture.gov>; Brick, Troy <Troy.Brick@iowaagriculture.gov>; james.o.lee <james.o.lee@usda.gov>

Subject: Draft of VSD+ request for you to complete and send to Buena Vista 02

Importance: High

Attached is a quick draft of what I could put into the request for VSD+ . Please fill in the missing information and then forward to Buena Vista 02.

Kevin L. Petersburg
AVIC, IA
USDA,APHIS,VS

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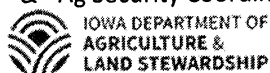
Reece, Kelley

From: Puisner, Robin
Sent: Thursday, March 17, 2022 3:11 PM
To: Rumsey, Katie; Chipman, Amanda
Subject: FW: [REDACTED]

Categories: Green Category

Robin D. Puisner

State Entomologist, Hemp Administrator
- & - Ag Security Coordinator



State Laboratory Facility
2230 S. Ankeny Boulevard | Ankeny, IA 50023
Desk: (515) 725-1465 | Cell: (515) 231-4481
Robin.Puisner@iowaagriculture.gov
<https://iowaagriculture.gov/hemp>

From: [REDACTED] <[REDACTED]>
Sent: Thursday, March 17, 2022 3:08 PM
To: Puisner, Robin <Robin.Puisner@iowaagriculture.gov>; kevin.l.petersburg <kevin.l.petersburg@usda.gov>
Cc: Marquez, Lupe G - APHIS <lupe.g.marquez@usda.gov>; Kaisand, Jeff <Jeff.Kaisand@iowaagriculture.gov>; [REDACTED]
Subject: RE: [REDACTED]

Sorry - [REDACTED]

Office [REDACTED]
Cell [REDACTED]

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From: Puisner, Robin <Robin.Puisner@iowaagriculture.gov>
Sent: Thursday, March 17, 2022 3:05 PM
To: [REDACTED]; kevin.l.petersburg <kevin.l.petersburg@usda.gov>
Cc: Marquez, Lupe G - APHIS <lupe.g.marquez@usda.gov>; Kaisand, Jeff <Jeff.Kaisand@iowaagriculture.gov>; [REDACTED]
Subject: [EXTERNAL] Re: [REDACTED]

Hi [REDACTED]

Do you have dimensions for [REDACTED]?

Thanks -

Robin D. Pruisner
Iowa Department of Agriculture and Land Stewardship
515-725-1465 o | 515-231-4481 c
Robin.Pruisner@IowaAgriculture.gov

** sent from my cell with an itty-bitty keyboard, please excuse the numerous typos **

From: [REDACTED] <[REDACTED]>
Sent: Thursday, March 17, 2022 2:52:37 PM
To: kevin.l.petersburg <kevin.l.petersburg@usda.gov>
Cc: Marquez, Lupe G - APHIS <lupe.g.marquez@usda.gov>; Kaisand, Jeff <Jeff.Kaisand@Iowaagriculture.gov>; Pruisner, Robin <Robin.Pruisner@Iowaagriculture.gov>; [REDACTED] <[REDACTED]>
Subject: [REDACTED]

Here is what I received for the dimensions of our [REDACTED]

HOUSE	LENGTH	WIDTH	HEIGHT
[REDACTED]			

Office [REDACTED]
Cell [REDACTED]

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From: Petersburg, Kevin L - APHIS <kevin.l.petersburg@usda.gov>
Sent: Thursday, March 17, 2022 10:49 AM
To: [REDACTED] <[REDACTED]>
Cc: Marquez, Lupe G - APHIS <lupe.g.marquez@usda.gov>; Jeff.Kaisand@Iowaagriculture.gov;
robin.pruisner@IowaAgriculture.gov
Subject: [EXTERNAL] FW: Documents to complete to request indemnity

In an effort to prepare for the possibility that HPAI is confirmed in your flock I am providing you the attached documents which will need to be completed to request indemnity from the USDA. (we will be able to complete some of the information such as the number of commercial flocks or backyard flocks within 10km of your flock after our Epidemiology Officer queries the State Premises Registration Database)

Please feel free to call me at 515-669-6043 and I will help you complete the attached forms. Once the Iowa Department of Agriculture has completed the draft of the justification for Ventilation Shutdown Plus (VSD+) we will send it to you for your signature if you want USDA to consider approving VSD+ as the method of depopulating the hens. Feel free to add your own comments to the justification for VSD+ if you want that method to be used for depopulation [REDACTED]

No birds can be depopulated until the attached forms are completed and our National Incident Coordinator signs the Appendix 1-H. That is why it is important to complete these forms as early in the day as possible.

Thank you,

Kevin L. Petersburg
AVIC, IA
USDA,APHIS,VS
515-669-6043

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Reece, Kelley

From: Chipman, Amanda
Sent: Thursday, March 17, 2022 3:27 PM
To: Kaisand, Jeff
Subject: VSD PPT
Attachments: Egg Industry Center HPAI studies and VSD_sent to Maro_Feb_11_2022.pdf
Categories: Green Category

Amanda Chipman
Emergency Management Coordinator
Iowa Department of Agriculture and Land Stewardship
Wallace State Office Building
502 E. 9th St. Des Moines, IA 50319
515-422-4083
Amanda.Chipman@IowaAgriculture.gov



IOWA DEPARTMENT OF
AGRICULTURE &
LAND STEWARDSHIP

Reece, Kelley

From: Kaisand, Jeff
Sent: Thursday, March 17, 2022 4:54 PM
To: [REDACTED]
Cc: Puisner, Robin
Subject: Request form
Attachments: HPAI VSD PLUS REQUEST AND APPROVAL Buena Vista 02jjk.pdf

Categories: Green Category

Jeff Kaisand
State Veterinarian
Executive Secretary Iowa Board of Veterinary Medicine



IOWA DEPARTMENT OF
AGRICULTURE &
LAND STEWARDSHIP

Wallace State Office Building
502 E. 9th St. Des Moines, IA 50319

Cell: (515) 240-6632
Desk: (515) 281.0866
Jeff.Kaisand@IowaAgriculture.gov

Reece, Kelley

From: Pruisner, Robin
Sent: Thursday, March 17, 2022 6:01 PM
To: Schmitt, Greg; Kaisand, Jeff; Brick, Troy; Rumsey, Katie; julie.r.aebi@usda.gov; kevin.l.petersburg; james.o.lee
Subject: Re: Follow Ups

Categories: Green Category

We have [REDACTED] here now, doing VSD calculations

Robin D. Pruisner
Iowa Department of Agriculture and Land Stewardship
515-725-1465 o | 515-231-4481 c
Robin.Pruisner@IowaAgriculture.gov

** sent from my cell with an itty-bitty keyboard, please excuse the numerous typos **

From: Schmitt, Greg <Greg.Schmitt@Iowaagriculture.gov>
Sent: Thursday, March 17, 2022 5:53:16 PM
To: Kaisand, Jeff <Jeff.Kaisand@Iowaagriculture.gov>; Brick, Troy <Troy.Brick@Iowaagriculture.gov>; Rumsey, Katie <Katie.Rumsey@Iowaagriculture.gov>; julie.r.aebi@usda.gov <julie.r.aebi@usda.gov>; Pruisner, Robin <Robin.Pruisner@Iowaagriculture.gov>; kevin.l.petersburg <kevin.l.petersburg@usda.gov>; james.o.lee <james.o.lee@usda.gov>
Subject: FW: Follow Ups

Ins and outs the last 14 days

Greg Schmitt
State District Veterinarian



Wallace State Office Building
502 E. 9th St. Des Moines, IA 50319

Cell: (515) 669-5633

Greg.Schmitt@IowaAgriculture.gov

"It's hard to roll-up your sleeves while wringing your hands" – Author unknown

From: [REDACTED] <[REDACTED]>
Sent: Thursday, March 17, 2022 5:42 PM
To: Schmitt, Greg <Greg.Schmitt@Iowaagriculture.gov>
Subject: FW: Follow Ups

Paul Hardy

1321 18th Street Spirit Lake, IA 51360

Office: 712-759-1429

Mobile: 712-788-8639

E-mail: paul_hardy@rembrandtinc.com

Bringing the Goodness of Eggs to the World

From: Chase A. Doyal <Chase.Doyal@rembrandtinc.com>

Sent: Thursday, March 17, 2022 3:26 PM

To: Paul Hardy <Paul.Hardy@rembrandtinc.com>

Subject: Follow Ups

Hey Paul

Attached are some of the items we discussed (14 day):

1. Outgoing Tankers
2. Incoming Tankers
3. ILobby

Thanks

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Reece, Kelley

From: Kaisand, Jeff
Sent: Thursday, March 17, 2022 6:06 PM
To: Petersburg, Kevin L - APHIS
Subject: FW: VSD+ Application
Attachments: [REDACTED]

Categories: Green Category

From: [REDACTED] <Paul_Hardy@rembrandtinc.com>
Sent: Thursday, March 17, 2022 6:05 PM
To: Kaisand, Jeff <Jeff.Kaisand@iowaagriculture.gov>; Sheila Hagen <Sheila_Hagen@rembrandtinc.com>
Subject: VSD+ Application

Dr. Kaisand,

I only changed the language around the CO2 method as an option to reflect the fact that due to the logistics of navigating the barns and organizing the labor force, I said "It could take weeks" instead of what was originally worded as "it would take days."

Is this acceptable?

[REDACTED]

[REDACTED]
Office: [REDACTED]
Mobile: [REDACTED]
E-mail: [REDACTED]

[REDACTED]

From: [REDACTED] <[REDACTED]@rembrandtinc.com>
Sent: Thursday, March 17, 2022 5:56 PM
To: [REDACTED] <[REDACTED]@iowaagriculture.gov>
Subject: Message from [REDACTED]

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Reece, Kelley

From: Kaisand, Jeff
Sent: Thursday, March 17, 2022 6:29 PM
To: Petersburg, Kevin L - APHIS
Subject: FW: VSD+ Application
Attachments: HPAI VSD PLUS REQUEST AND APPROVAL Buena Vista 02jjk (002).pdf;
[REDACTED]

Categories: Green Category

From: [REDACTED] <[REDACTED]@rembrandtinc.com>
Sent: Thursday, March 17, 2022 6:28 PM
To: Kaisand, Jeff <Jeff.Kaisand@iowaagriculture.gov>; Sheila Hagen <Sheila_Hagen@rembrandtinc.com>
Subject: RE: VSD+ Application

Trying again here Dr. Kaisand. Let me know if this worked.

[REDACTED]
[REDACTED]
Office: [REDACTED]
Mobile: [REDACTED]
E-mail: [REDACTED]
[REDACTED]

From: [REDACTED]
Sent: Thursday, March 17, 2022 6:05 PM
To: jeff.kaisand@iowaagriculture.gov; [REDACTED] <[REDACTED]@rembrandtinc.com>
Subject: VSD+ Application

Dr. Kaisand,

I only changed the language around the CO2 method as an option to reflect the fact that due to the logistics of navigating the barns and organizing the labor force, I said "It could take weeks" instead of what was originally worded as "it would take days."

Is this acceptable?

[REDACTED]
[REDACTED]
Office: [REDACTED]
Mobile: [REDACTED]
E-mail: [REDACTED]
[REDACTED]

From: PRTReia03@rembrandtinc.com <PRTReia03@rembrandtinc.com>
Sent: Thursday, March 17, 2022 5:56 PM
To: Paul Hardy <Paul.Hardy@rembrandtinc.com>
Subject: Message from PRTReia03

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CONSTRAINED CIRCUMSTANCES FOR THE USE OF VSD PLUS (+)

The USDA can grant the use of VSD Plus (+) in constrained circumstances; however, the following six (6) requirements must be met:

1. Other methods are not available or will not be available in a timely manner.
2. The amplification of the virus on the premises poses a significant threat for further transmission and ongoing spread of HPAI.
3. The questions in this Ventilation Shutdown Plus (+) Policy document have been reviewed and discussed by APHIS officials, State or tribal officials, and the incident management team.
4. Incident management team approval.
5. State officials' approval.
6. National Incident Coordinator approval.

When these criteria are met, VSD Plus (+) may be implemented. Depending on the premises or State, written or electronic documentation of these criteria may be required.

OPERATIONAL FACTORS CONSIDERED TO IMPLEMENT THE USE OF VSD PLUS (+)

The need to implement alternative depopulation methods to meet the depopulation goal, and the use of VSD Plus (+), will be handled on a premises-by-premises basis, with close coordination and collaboration by State and APHIS officials. Three sets of issues will be considered: resources, epidemiology, and State/APHIS concurrence on the decision.

In selecting the depopulation method, and considering VSD Plus (+), the following interrelated questions can help guide the decision:

- Which depopulation methods can be executed safely and effectively on the premises within 24-48 hours?

VSD+

_____ barns currently have a total of _____; CO2 carts could be used with contracted labor and CO2 carts provided by NVS, but this would significantly delay depopulation. The barns _____. The

- What are the potential epidemiological consequences of virus amplification on the premises should the 24-48-hour goal not be met on the premises?

There are _____ barns with _____ in addition to the barn that has clinically ill birds on this premises. _____ barns are _____. Each barn has approximately _____ birds. One barn has been depopulating in the past few days and hauling live birds to Minnesota for slaughter. There are _____ premises with direct

- Are there large densities of poultry in the surrounding area that would be at risk from virus amplification on the premises?

The State Premises Registration System shows _____ commercial premises and _____ backyard premises within a 10 km Control Area

- Are there high-value or breeder flocks in the surrounding area that would be at risk from virus amplification on the premises?

A FADD is enroute to the premises to collect additional epidemiological information.

CONSTRAINED CIRCUMSTANCES FOR THE USE OF VSD PLUS (+)

- Is ventilation shutdown plus (+) possible on the premises, given house construction and environmental factors?

Yes

- Is ventilation shutdown plus (+) the only option that will achieve rapid depopulation meeting the 24–48-hour goal, given personnel and resource constraints?

It is the only option that will allow the birds to be depopulated within 24-48 hours which is our ultimate goal.

- What is the added risk of increased numbers of personnel on (and off) the premises from traditional depopulation methods such as CO2 and water-based foam, in terms of biosecurity?

There is significant added risk of spreading HPAI due to the increased number of personnel and equipment required to complete CO2 depopulation. This is a [REDACTED] facility which would require a large number of personnel to accomplish CO2 depopulation. This would significantly increase the risk of lateral spread.

PREMISES ID

DATE

3.17.22

POULTRY OWNER NAME

POULTRY OWNER SIGNATURE

SAHO APPROVAL

Dr. J.J. Kaisand

Digitally signed by Dr. J.J. Kaisand
Date: 2022.03.17

DATE

IMT/AVIC APPROVAL

DATE

NIC APPROVAL

DATE

Surveillance Testing

Site	Date	Sites Sampled	Result
BV1	3/12	[REDACTED]	All negative
Taylor1	3/12	[REDACTED]	Negative
BV1	3/13	[REDACTED]	All negative
Emmet County	3/13	[REDACTED]	Negative
BV1	3/14	[REDACTED] [REDACTED]	All Negative
Taylor1	3/14	[REDACTED]	Negative
Emmet County	3/14	[REDACTED]	All negative
Jackson County	3/14	[REDACTED]	Negative
Taylor1	3/15	[REDACTED]	Negative
Webster	3/15	[REDACTED]	Negative
Pott1	3/16	[REDACTED]	Negative
Tay1	3/16	[REDACTED]	Negatives

Narrative of each site

BV1

- On 3/6/22 BV1 observed clinical signs and symptoms in [REDACTED] samples delivered to NVSL by 1:15 pm. Iowa NAHLN lab not deployed because closed/Sunday.
- Dr. Greg Schmitt deployed to site to begin epi and prepare for depopulation.
- NVSL confirmed positive 4:30 pm.
- VSD+ building preparation continue, barns closed for last time at midnight. All depopulation activities done by 11 am on 3/7/22. [REDACTED]
- Control zone includes [REDACTED] potential backyard flocks
- Surveillance zone contains [REDACTED] potential backyard flocks.
- Composting planned to start Friday, 3/11/22
- Composting equipment permitted onto site 3/10/22
- Disposal - One building completed 3/11/22
- Composting complete and caps were placed 3/17/22

Pott1

- Backyard mixed species flock of chickens and ducks that had experienced 100% mortality on [REDACTED] chickens between 2/17/22 and 2/28/22.
- Sample submitted to Nebraska NAHLN lab 2/22/22.
- NE NAHLN lab conducted IAV matrix PCR and H5 PCR on the submitted chicken on 2/28/22; presumptive/non-negative results.
- The ducks were sampled on 2/28/22 and non-negative results were received 3/1/22 from NVSL.
- NVSL confirmed by PCR on 3/1/2022. 10 km surveillance zone established. [REDACTED] ducks depopulated 3/1/22.
- Surveillance zone contains [REDACTED] contact/epi-linked backyard prem [REDACTED] backyard; and [REDACTED]

- a. Contact/epi-linked prem tested on 3/2/22; negative.
 - b. [REDACTED] backyard identified in surveillance zone, not possible to make contact.
 - c. [REDACTED] flock in surveillance zone; tested negative on 3/4/22.
7. The dangerous contact site quarantine released 3/17/22
 8. Surveillance is now complete, as of 3/17/22; Surveillance zone was released 3/17/22

Tay1

1. [REDACTED] confirmed positive on 3/10/22 (number changed from [REDACTED], as per official USDA paperwork)
2. Written quarantine was issued
3. Positive tested building was depopulated with VSD+heat
4. Depop was initiated in the infected barn 3/11/22
5. Depop complete 3/14/22
6. Flock plan completed 3/14/22
7. Site seems to be embracing the C&D line takeover with enthusiasm
8. USDA AHT Jeremy McNeel is now on site 3/15/22
9. All mobile heaters were returned 3/17/22
10. Lupe Marquez arrived on site as a USDA Field Reimbursement Specialist.

BV2

1. Positive result was received late today 3/17/22
2. Sent Dr. Schmidt and Dr. Aebi (USDA VMO Case manager) to the site
3. Started working with [REDACTED] from [REDACTED] on VSD+ calculations
4. Sent in paperwork to get VSD+ approved from USDA

Iowa Response Goals and Strategies

Goals – The goal is to minimize production downtime of affected producers and minimize the number of producers affected. This will be achieved through early detection, rapid depopulation, and thorough cleaning with follow-up testing.

Strategies – The tools used to achieve the above goals will include well-staffed and responsive field teams, sampling and testing of symptomatic flocks and contact flocks followed with epidemiology tracing, quarantines, and permitting.



Please note: These procedures may be revised as the situation continues to change.

GENERAL GUIDANCE

All previously highly pathogenic avian influenza (HPAI) Infected Premises must be *both* CLEANED and DISINFECTED. Cleaning and disinfection practices during an outbreak should focus on virus elimination in a cost effective manner.

While traditionally wet cleaning and disinfection has been performed in many incidents, dry cleaning and eliminating the virus through either heating of houses or fumigation is a preferred approach during a widespread HPAI outbreak. Any method(s) selected should consider the characteristics of the premises/houses and other factors which may impact the effectiveness of the virus elimination activities.

DEFINITIONS

Cleaning: The removal of gross contamination, organic material, and debris from the premises or respective structures, via mechanical means like sweeping (dry cleaning) and/or the use of water and soap or detergent (wet cleaning). The goal is to minimize the remaining organic material so disinfection can be effective.

Disinfection: Methods used on surfaces to destroy or eliminate HPAI through physical (e.g., heat) or chemical (e.g., disinfectant) means. A combination of methods may be required.

Virus Elimination: Cleaning and disinfection measures conducted with the primary purpose to destroy or eliminate all avian influenza virus on the premises as cost effectively as possible.

OPTIONS

For premises that can be cleaned and disinfected (most premises):

Step 1

CLEANING OPTIONS

Dry Cleaning

Timing & method of dry cleaning must not aerosolize virus.

and/or

Wet Cleaning

Step 2

DISINFECTION OPTIONS

Drying & Heating (100-120 °F for 7 days total)

At least three days must be consecutive days drying and heating at specified temperature; heating to 100-120 °F must occur for seven days total.

and/or as needed

Wet Disinfection with EPA Approved Antimicrobial

and/or as needed

Fumigation with EPA Registered Sterilant for Porous and Non-Porous Surfaces or Alternative Science-Based Methods

NOTE: A premises may require a *combination* of methods, but *at least one* choice must be selected from Step 1 and Step 2. The cleaning and disinfection options selected and implemented *must* be included as part of the approved cleaning and disinfection plan and approved by State Animal Health Officials and APHIS for reimbursement.

Heat treatment:

For more information on the requirements for heat treatment as a disinfection option, positioning of sensors, and examples of the 3 consecutive day and 7 day total heating requirements, please see the document *Using Heat Treatment for Virus Elimination*. Please note: USDA APHIS does not suggest that all methods of cleaning and/or disinfection are equivalent in terms of destroying or eliminating living organisms; however, the scientific evidence at this time demonstrates that heat treatment—as prescribed above—is effective at eliminating avian influenza on previously infected premises.

For premises that can't be cleaned and disinfected:

In the unusual circumstance in which premises cannot be cleaned and disinfected, fallowing for 120-days—or a period recommended by the Incident Command—is prescribed. The length of this period will vary depending on ambient temperature and season. Fallowing should be reserved for premises that would need to be completely repaired or destroyed in order to be effectively cleaned and disinfected. An inspection may be required by the State Animal Health Official or APHIS at the end of the fallow period.

FOR MORE INFORMATION

Please see these FAD PReP documents: NAHEMS Guidelines: Cleaning and Disinfection, NAHEMS Guidelines: Tactical Topic on Cleaning and Disinfection (C&D), and the NAHEMS Cleaning and Disinfection Presentations.

Further HPAI policy guidance, including *Using Heat Treatment for Virus Elimination*:
www.aphis.usda.gov/fadprep.

EPA Antimicrobial Products Registered for Use Against Avian Influenza A Viruses:
<http://www.epa.gov/sites/production/files/2015-09/documents/list-m-avianflu.pdf>.