

Surveillance, Preparedness and
Response Services (Avian Health)

4700 River Road, Unit 46
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USDA, APHIS,
Veterinary Services



Safeguarding Animal Health

National Preparedness and
Incident Coordination Center

4700 River Road, Unit 41
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SITUATION REPORT

FOR OFFICIAL USE ONLY

Submitted and Transmitted June 12, 2015.

WI HPAI H5N2 Combined Sitrep #25

Preparer:

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WI DATCP-DAH IMT, Planning Section Chief

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To: WI DATCP, VSMT and NAI distribution list

I. General Information

- Since April 11, 2015, there have been a total of 10 confirmed positive HPAI poultry premises in WI. There are 6 commercial turkey flocks, 3 table egg layer flocks, and 1 backyard flock in WI confirmed with HPAI H5N2. The infected flocks are located in Barron, Juneau, Jefferson and Chippewa Counties.
- Current Operations:
 - Quarantine Release:
 - Premises within the 10km Control Zone around all the Jefferson county infected premises were release on June 9, 2015 and premises around the Barron County IPs were released on June 10, 2015 (i.e. 5 avian influenza control zones quarantine released in Baron County)
 - Quarantine on the Juneau (back yard flock) IP was released on June 8, 2015.
 - Depopulation:
 - All infected premises in WI have been depopulated
 - Surveillance of backyard flocks completed as of 6/3/2015
 - C&D:
 - Jeff-1, 2 and 3: C&D of IP is ongoing

- Compost Monitoring:
 - Composts piles at the Jeff -1 premises were released on 6/8/2015.
 - Compost piles at Jeff 2, 3 and all Barron locations continue to be monitored.
- The WI HPAI incident is currently operating under a WI DATCP- Animal Health incident management team and the ICP is currently located at 2811 Agriculture Drive, Madison, WI 53718
- On 4/20/2015, WI Governor Scott Walker declared a State of Emergency for Wisconsin's response to highly pathogenic avian influenza. This declaration opens the full resources of the state Emergency Operations Center and the National Guard is also made available to assist in avian influenza response. The EOC is activated at Level 4.
- On 5/22/2015, The State EOC moved to a Level 5 - Duty Officer Monitoring the situation and will provide assistance as necessary.

II. Incident Objectives

- Assure the safety, health and security of incident personnel through assessments, briefings and reporting
- Respond to HPAI infected flocks in the State of Wisconsin, including euthanasia, disposal of carcasses, and disinfection of premises to avoid spreading virus and allow resumption of trade
- Immediately establish a control zone around each infected premises and conduct surveillance testing for avian influenza as resources allow
- Provide educational information and outreach regarding AI and biosecurity appropriate stakeholders in the AI affected area
- Enter all incident investigation information into EMRS
- Uphold prescribed biosecurity standards for responding personnel to avoid the spread of AI
- Establish Permitted Movement of low risk product according to USDA Secure Product Movement guidelines and sound epidemiology
- Complete flock plans and compliance agreements for AI infected premises so as to not delay quarantine release and resumption of trade

III. RESOURCES

Agency	Number of Incident Personnel
Wisconsin State Employees	21
USDA, APHIS, VS	7
Total	28

IV. SUMMARY INCIDENT INFORMATION

1. Positive Premises

Premises County (Prem ID)	Date of Onset of Clinical Signs	Movement Restrictions Placed	HPAI H5N2 Confirmation Date	Operation Type	# Birds Indemnified	Euthanasia Complete Date	Method of Depopulation
Jefferson -1 (00AUDLP)	4/6/2015	04/11/2015	4/11/2015	Commercial cage free table egg layer	189,084	4/26/2015	CO ₂
Barron-1 (007ALV2)	4/14/2015	04/17/2015	4/16/2015	Commercial Meat turkeys	126,658	4/22/2015	Foam
Juneau (0LE8H5)	4/8/2015	04/15/2015	4/17/2015	Backyard - mixed breeds	33	4/16/2015	CO ₂
Chippewa (007ALYV)	4/21/2015	04/21/2015	4/23/2015	Commercial Meat turkeys	56,480	4/24/2015	Foam
Jefferson- 2 (008LQXK)	4/21/2015	04/22/2015	4/24/2015	Commercial table egg layer	1,031,251	5/18/15	CO ₂
Barron -2 (00LFXRL)	4/23/2015	4/23/2015	4/24/2015	Commercial Meat turkeys	83,330	4/26/2015	Foam
Barron - 3 (007AMLI)	4/27/2015	04/28/2015	NVSL-H5 icA 4/27/2015	Commercial Meat turkeys	96,490	4/30/2015	Foam
Barron - 4 (007AP51)	5/1/15	5/2/15	5/05/2015	Commercial breeder turkeys	16,054 breeder birds 41,760 fertilized eggs	5/4/15	Foam
Jefferson - 3 (008SJOJ)	5/5/15	5/2/15	NVSL-H5 icA 5/3/15	Commercial table egg layer	127,971	5/8/15	CO ₂
Barron - 5 (007AMMG)	5/3/15	5/2/15	5/05/2015	Commercial Meat turkeys	182,368	5/7/15	Foam
Total					1,909,719 birds 41,760 fertilized eggs		

2. Infected Premises Compost and C&D Summary

Infected Premises County (Prem ID)	Compost Set Date (Based on temperatures)	Projected Compost Complete Date (30 days post compost set date)	C&D Complete Date (~10 days after compost removal)	Environment Sample Date	Projected Quarantine Release Date (21 days post C&D Completion Date)
Jefferson -1 (00AUDLP)	5/7/15	6/7/15	6/17/15		7/8/15
Jefferson- 2 (008LQXK)	5/19/15	6/19/15	6/29/15		7/20/15
Jefferson - 3 (008SJOJ)	5/8/15	6/8/15	6/18/15		7/9/15
Juneau (0LE8H5)	NA	NA	5/8/15	5/26/15	6/8/15

Chippewa (007ALYV)	4/30/15	6/2/2015	6/12/15		6/30/15
Barron-1 (007ALV2)	4/25/15	6/10/15	6/20/15		6/25/15
Barron- 2 (00LFXRL)	4/30/15	6/6/2015	6/16/15		6/30/15
Barron – 3 (007AMLI)	5/5/15	6/13/15	6/23/15		7/6/15
Barron - 4 (007AP51)	5/7/15	6/20/15	6/30/15		7/14/15
Barron–5 (007AMMG)	5/20/15	6/20/15	6/30/15		7/21/15

3. Permitting

- The state of WI is receiving and evaluating requests for movements from WI producers. The process includes conducting an onsite biosecurity assessment of the requesting flock, completing the required testing and approval by the state veterinarian in the state of destination. The USDA permitting team will handle the issuance of the approved permits and will capture the information in EMRS.

4. Epidemiology

- The HPAI Epidemiology questionnaire is being completed for confirmed positive premises. The purpose of the survey and analysis is to assess potential pathways of initial introduction of HPAI viruses onto commercial poultry operations and potential transmission routes of HPAI viruses from infected premises to non-infected premises.

5. Surveillance

- According to WI ATCP17, all premises that have livestock must register their premises with the State Department of Agriculture. This facilitates easy identification and testing of premises with poultry.

Total Number of Birds Sampled by Infected Premise through 10km Backyard Surveillance as of 6/5/15

Total Number of birds tested = 2,569

Table 1: Surveillance Round 1

Infected Premises	Round	Submissions (# Tubes)	Total Number of Birds	Number of Birds Sampled	Number of Premises Visited
Barron 1	1	36	1192	147	23

Barron 2	1	4	107	20	4
Barron 3	1	28	1105	124	13
Barron 4	1	9	247	42	5
Barron 5	1	7	136	35	5
Chippewa	1	17	522	97	15
Jefferson 1	1	132	2989	608	83
Jefferson 2	1	32	615	134	24
Jefferson 3	1	29	521	124	21
Juneau	1	28	525	114	20
Totals		322	7959	1445	213

Table 2: Surveillance Round 2

Infected Premises	Round	Submissions (# Tubes)	Total Number of Birds	Number of Birds Sampled	Number of Premises Visited
Barron 1	2	31	585	136	22
Barron 2	2	3	75	15	3
Barron 3	2	24	622	96	14
Barron 4	2	9	182	44	6
Barron 5	2	7	182	44	4
Chippewa	2	20	464	96	15
Jefferson 1	2	128	2642	595	77
Jefferson 2	2	39	842	162	26
Jefferson 3	2	28	511	120	20
Juneau	2	29	545	120	21
Totals		318	6650	1428	208

Table 3. 10 km Control Zone Surveillance

Premises County (Prem ID)	1st Round Complete Date	2nd Round Complete Date (~14 days after 1 st round)	Compost Set Date	Projected Quarantine Release of 10km Control Area
Jefferson -1* (00AUDLP)	4/17/15	5/3/15	5/7/15	21 days post Compost set date = 5/28/15 2 rounds of testing date =5/3/15 Released on 6/9/15
Jefferson- 2* (008LQXK)	5/3/15	5/14/15	5/19/15	21 days post Compost set date 6/9/15 2 rounds of testing date =5/14/15 Released on 6/9/15
Jefferson - 3* (008SJOJ)	5/20/15	Projected complete date = 6/4/15	5/8/15	21 days post Compost set date 5/29/15 2 rounds of testing date = 6/6/15 Released on 6/9/15
Juneau (OLE8H5)	4/28/15	5/6/15	NA	Released on 5/13/15

Chippewa (007ALYV)	5/1/15	5/14/15	4/30/15	Released on 5/19/15
Barron-1 (007ALV2)**	4/26/15	5/8/15	4/25/15	21 days post Compost set date = 5/16/15 2 rounds of testing date =5/8/15 Released on 6/10/15
Barron- 2 (00LFXRL)**	4/27/15	5/8/15	4/30/15	21 days post Compost set date = 5/21/15 2 rounds of testing date =5/8/15 Released on 6/10/15
Barron – 3 (007AMLI)**	5/8/15	Projected complete date = 5/29/15	5/5/15	21 days post Compost set date =5/26/15 2 rounds of testing date = 6/2/15 Released on 6/10/15
Barron - 4 (007AP51)**	5/14/15	Projected complete date = 5/29/15	5/7/15	21 days post Compost set date = 5/28/15 2 rounds of testing date = 6/2/15 Released on 6/10/15
Barron –5 **(007AMMG)	5/14/15	Projected complete date = 5/29/15	5/20/15	21 days post Compost set date = 6/10/15 2 rounds of testing date =6/2/15 Released on 6/10/15

*Due to significant overlap, all Jefferson County Zones will be released as a single zone at the time the last control zone in Jefferson County meets requirements for release.

** Due to significant overlap, all Barron County Zones will be released as a single zone at the time the last control zone in Barron County meets requirements for release.

6. Public Outreach

- A press release regarding the 10km control zone/area release around the Juneau infected premises is expected to go out on 5/19/15
- Two new fact sheets have been posted to the DATCP website regarding Quarantine Release and Restocking after Avian Influenza and Avian Influenza and Human Health.
- All Quarantine Releases are accompanied by a letter and pamphlet reminding poultry owners to continue to be diligent in regards to biosecurity and protecting their flock from infection.
- **The Wisconsin State Veterinarian issued a Summary Special Order on 6/10/15 prohibiting poultry movement to swap meets or open shows in WI not part of a county, district or state fair. An additional order, also issued 6/10/15, requires participants in poultry shows associated with fairs to certify that no poultry mortalities have been found on their premises within 10 days prior to movement of poultry to the fair. Summary Special Order information, and the press release announcing the ban and additional requirements, are posted on the DATCP website.**

7. Liaison Activities

- A conference call was facilitated between the WI HPAI Incident Management Team, the WI Department of Agriculture, Trade and Consumer Protection and WI Department of Natural Resources regarding disposal and cleaning issues.
- A webinar was hosted for key WI governmental stakeholders on the Role of Veterinary Services in Emergency Disease Response.
- A presentation was delivered on Wed May 20th at the monthly meeting of the Wisconsin Tribal Emergency Management Alliance.

8. Finance and Administration

Indemnity Paid to WI Infected Premises Owners

Premises	VS-1-23	To MN Payments	Totals
Juneau #1	\$556.50	5/9/2015	\$556.50
Jeff #1	\$155,177.55	5/9/2015	\$155,177.55
Jeff #2	\$2,121,743.48	5/18/2015	\$2,121,743.48
Jeff #3	\$331,444.89	5/12/2015	\$331,444.89
Barron #1	\$1,618,564.78	5/11/2015	\$1,618,564.78
Barron #2	\$962,386.76	5/11/2015	\$962,386.76
Barron #3	\$939,519.88	5/11/2015	\$939,519.88
Barron #4	\$375,433.22	5/20/2015	\$375,433.22
Barron #5	\$1,580,157.36	5/27/2015	\$1,580,157.36
Chippewa #1	\$557,541.52	5/11/2015	\$557,541.52
Total	\$8,642,525.94		\$8,642,525.94

Current trade ban/status: Many countries have already implemented some type of trade ban on the United States due to all the HPAI incidents. Some of these bans are regionalized to a region/zone smaller than the state or to the affected State. For example, Canada and the EU have recognized regions/zones smaller than the state, and Japan has regionalized at the State level. However, other countries have placed bans on the entire United States (for example, Russia, China, and Korea). APHIS continues to work with trading partners to try to minimize the impacts of these restrictions. Trade requirements can change frequently. Updated and detailed information for products under FSIS certification (meat, meat products, and egg products) can be found at: <http://www.fsis.usda.gov/wps/portal/fsis/topics/international-affairs/exporting-products/export-library-requirements-by-country>

The link provided below shows countries that have trade restrictions that we have shell egg agreements with. It is not all inclusive of every country, but only those with whom we have a bilateral agreement to certify shell eggs. Some countries have placed bans at the county level (e.g. Hong Kong) and some have regionalized at the State level (e.g. Mexico, Japan).

<http://www.ams.usda.gov/AMSv1.0/PYEggExportRequirements>

Submitted by: Darlene Konkle WI DATCP-DAH IMT Incident Commander

Reviewed by: Fidelis Hegngi, Senior Staff Veterinarian, Avian Team, Riverdale, MD; Elena Behnke, Veterinary Coordinator, National Poultry Improvement Plan.



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June 12, 2015

Jason Yurs – Farm Manager
Hoard's Dairyman Farm
N2856 Hwy 89
Fort Atkinson, WI 53538

RE: **Hoard's Dairyman Farm**
Manure Storage Basin Concrete Liner
Crack Repair Work Plan – June 1, 2015

Dear Jason,

This letter is to serve as verification and certification for proposed crack repair plan prepared for the concrete lined manure basin at the Hoards Farm site. The repair procedures outlined in the approved plan has been completed by Concrete & Masonry Restoration, LLC (CMR) during the week of June 1st.

I have attached field reports reflecting REA site visits and visual inspections of the work completed on Monday, June 1, 2015 and Wednesday, June 3, 2015. At this time all directed work has been completed and the final measured quantities are as follows:

Type I – Gravity Feed w/Epoxy Resin Crack Repair Procedure	2,491 linear feet
Type II – Epoxy Injection Structural Crack Repair Procedure	164 linear feet
Construction Joint Filler w/Chemical Resistant Sealant	210 linear feet

These quantities have been accepted by CMR and all crack repair work completed by CMR has been accepted within the standards set forth in ACI – RAP#1 and RAP#2.

Please review the attached documents and feel free to contact me with any questions.

Sincerely,
RESOURCE ENGINEERING ASSOCIATES, INC.

A large, stylized handwritten signature in black ink, appearing to read 'Carl T. Chenoweth'.

Carl T. Chenoweth, P.E.
Director of Engineering Operations

Cc: Mark Watkins – Director
Jefferson County Land & Water Resource Department

"Live Test # 2"
Hoard's Dairyman Farm
Monitoring Plan
June 2015

Monitoring Plan : REA Evaluation and Repair Work Plan

Monitored levels of contaminant as measured (mg\l) in the out flow drain water:

High : July 03 2014 – (just before entering into dead test)

TKN – 31 Ammonia - 32

Low : March 11 2015

TKN - 4.6 Ammonia 4.2

Current Level: June 4, 2015

TKN – 5.3 Ammonia 5.7

Given that the repair of the concrete waste storage basin at the Hoard Dairyman Farm has been completed and certified by Resource Engineering Associates, the following monitoring schedule shall be used for operations and evaluations to determine the soundness of said repair. Duration of "Live Test # 2: July 1 2015 – January 1 2016

1. Monitoring following start of "live test #2" (adding liquid manure to the manure storage facility from the sand separator that is currently serving as a temporary storage unit).

i. Liquid waste added to the basin during the live test # 2 shall not exceed the freeboard of the maximum operating line currently surrounding the upper limit of the basin. Any visual evidence of leakage at the outflow pipe or areas around the storage facility shall be reported to the LWCD immediately. A log book will be kept containing the data set for T.K.N., Ammonia and flow rate.

ii. The discharge from the under drain will be visual inspected once a day for five days out of each week, by the farm operator, for any changes in water clarity or odor. If the odor has increased and/or clarity have decreased from previous inspections , then a water sample will immediately be taken and analyzed. The odor and/or clarity changes will immediately be reported to the LWCD. The flow rate will be measured and recorded at the time the sample is taken.

iii. From June 2015 through January 1 2016, water samples from the under drain will be taken weekly and analyzed by a lab. The flow rate will be measured and recorded at the time of each sampling.

iv. Baseline values will be established as listed in item #2.

v. Hoard's will continue to direct its laboratory to submit test results from water samples directly to the Land and Water Conservation Department.

2. Evaluation of water sample test results and evidence of leakage.

i. The water quality parameters and values range will be used, as recommended by Wisconsin DNR Water Quality, will be no more than 3x's that of the March 11 2015 sample results. Not to exceed 13.8 mg\l of T.K.N. & 12.6 mg\l of Ammonia.

ii. Under-drain water quality samples will be taken and tested on a weekly basis.

Each sample will be compared to the previous weekly sample. If the results of the most recent test show an increase in any parameter beyond the "not to exceed" limits stated in 2i, another sample would be taken immediately and the test results expedited. The objective of continued under-drain water sampling will be to document levels of T.K.N and Ammonia in the basin outflow.

At any time during the live test, at least two of any 3 consecutive water quality test sample results should be no more than water quality parameters established by 2.i. If any two out of 3 consecutive water quality test sample results values are found to greater than values established by 2.i; then no additional manure will be added to the manure storage facility and arrangements shall be made to empty the basin as set forth in item # 3 below.

If this condition should exist prior to the January 1, 2016, further storage/ nutrient management options will be explored addressing the measured water quality levels resulting from sample tests taken during this live test. A deadline extension maybe requested if data shows a steady decline in parameter levels and the pace of clearing is slower than anticipated.

Jefferson County reserves the right to determine leakage is present based on test results for TKN levels below 13.8 mg\l and Ammonia levels below 12.6 mg\l provided there is presence of other manure generated pollutants; as determined to be originating from the concrete lined manure storage basin.

Jefferson County reserves the right to determine leakage is present at any time during the live test based on any two out of 3 consecutive water quality sample test sample results exceeding T.K.N. Levels above 13.6 mg\l and Ammonia levels above 12.6 mg\l

3. Action upon potential leakage condition as determined by results in 2.ii.

i. Hoards will immediately cease putting more material into the storage structure.

ii. Samples will be taken immediately and sent to the lab for expedited analysis. LWCD may request or perform additional sampling.

iii. The discharge from the outfall will be captured and returned to the storage facility until it is determined there is no leak or the storage facility is emptied.

iv. Hoards will begin removing the contents of the pit within 21 days of the date of receiving the higher sample results. All manure must be spread according to the nutrient management plan, records of which shall be produced upon LWCD's request.

v. Hoards will finish removing contents of the storage within 42 days of the date of receiving the higher sample results.

vi. After the storage is emptied, a sample will be taken from the discharge pipe. If the analysis indicates presence of contaminants, then Hoards will work with the Land & Water Conservation Department to determine possible solutions to preventing the discharge of contaminants to ground or surface waters.

vii. Hoards may request revision of the timetable if there are mitigating circumstances which prevent Hoards from meeting the schedule in items iv and v.

4. The Land and Water Conservation Department will review progress toward meeting the requirements of this monitoring plan at the end of December 2015. The Zoning Committee and Hoard's will be informed of any concerns or non compliance.

On-going Operation of Manure Storage System

1. By January 1, 2016, Hoard's representatives, their consulting engineers, and the Land and Water Conservation Department will meet to assess the performance of the manure structure. If the manure storage basin is performing up to the criteria and provisions as set forth in Section 2 of this addendum, then the concrete lined storage basin will be certified as operational by Jefferson County. Continued water quality samples from the under drain will be tested monthly for six months beyond the date the basin has been certified as operational.

At the completion of six months of water quality sampling; Hoard's representatives, their consulting engineers, and the Land and Water Conservation Department will meet again to determine any long term monitoring plan that may be required.

Permittee Name: Hoard's Dairyman Farm, owned by W.D. Hoard & Sons Company

Signature: _____

Authorized Representative Date