

Emergency Management Response System (EMRS)

Overview of Capabilities
October 2026



What is EMRS?

- Emergency Management Response System
- Official system of record for animal health incidents for the USDA APHIS
 - Dynamic database used for information management
 - Provides a secure yet accessible system for data collection, management, analysis, and reporting
 - Information management systems at the local, State, and Federal levels give emergency response providers access to shared, accurate, and timely data needed for decision-making

System Capabilities & Enhancements

- First deployed in 2002 during the Highly Pathogenic Avian Influenza (HPAI) and Newcastle Disease (vND) Outbreaks.
- Newer version introduced in Oct 2024 using the Power Apps platform.
 - Built on a Microsoft platform - easily interfaces with other Microsoft programs, such as Word, Excel, and Power BI.
- EMRS now offers greater capabilities and applications
 - **EMRS Customer Gateway:** allows industry and State officials to manage permits and permitted movements during an incident.
 - **EMRS2Go Mobile App:** allows field employees to submit tasks and initial contact reports for animal disease investigations directly from the field setting.
 - **National Veterinary Stockpile Warehouse Entity:** facilitates equipment ordering and tracking.



Power Apps | EMRS2GO

EMRS Ongoing Activities

Incident Response

- Used in more than 20 outbreaks
 - HPAI
 - New World Screwworm
 - ASF Tracking
 - vND
 - National Animal Health Emergency Responses (all-hazards)

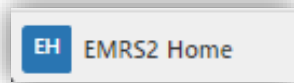
Routine Work

- FAD Investigations
- Sick Calls
- Program Work
 - Task Management
 - Tracing

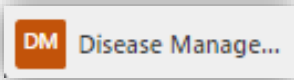
EMRS Users

- Primary users of EMRS are Federal, State, and Tribal veterinary medical officers, animal health officials, animal health technicians, animal disease specialists, and epidemiologists.
- Users are assigned an access group which determines the records they can access and based on their role, will be able to:
 - collect, enter, and view animal disease data (routine & incident-based)
 - manage activities related to FAD investigations
 - manage and track resources (personnel, supplies & equipment)
 - monitor progress of response operations
 - create reports
 - create maps
- To request an EMRS account, please contact an EMRS Network Associate or visit [Emergency Management Response System](#)

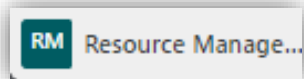
EMRS Tables (Application Areas)



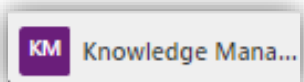
- **EMRS2 Home** provides the starting place for EMRS users. It references general announcements and training materials.



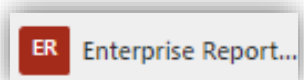
- **Disease Management** manages information related to routine work and incident-based investigations.



- **Resource Management** manages personnel and equipment for routine work or deployed during an incident.



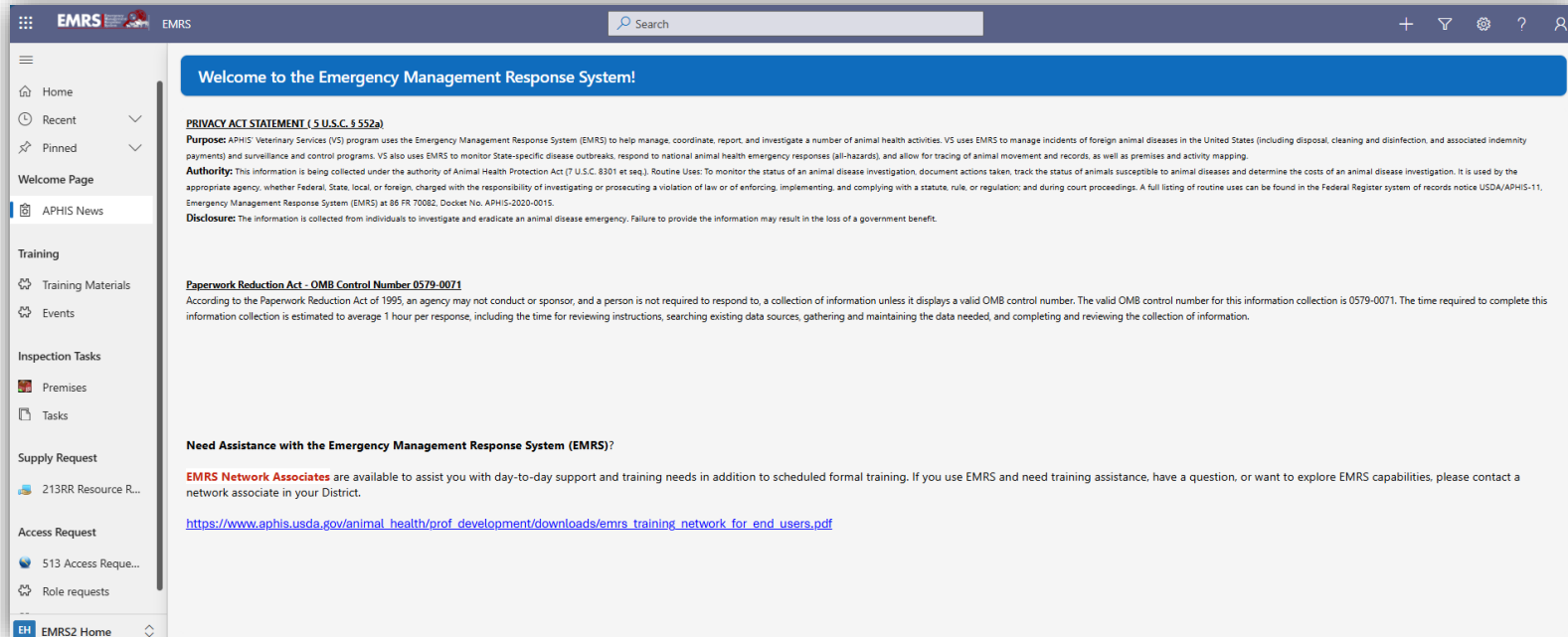
- **Knowledge Management** manages documentation and makes it accessible to all users. It provides overarching information on incident response conducted within the National Response Framework as well as incident specific documentation from the field. EMRS training and job-aids are also available.



- **Enterprise Reporting** provides tools needed to assist in creating the critical common situational picture (e.g. advanced mapping).

EMRS Home

- Welcome Page: General announcements and list of EMRS Network associates
- Training Materials: Quick Reference Guides and other training documents for user reference
- Inspection Tasks: Incident and routine related tasks for assigned personnel



Disease Management

- Premises, Animal Businesses, Contacts: Location information (Address/coordinates), Business ownership (name) and contact
- Investigations: Exams, laboratory submissions, LMS accessions, etc.
- Mitigation Activities: Tally Sheets, Appraisals, 3D Activities
- Movements & Tracing

Application Areas

Prem ID	Prem Name	Prem Type	Prem Address	City	State	Zip	Invest Status	Quar Status	Front Gate Latitude	Front Gate Longitude	Primary Business	Primary Contact (Prim...	Primary Operation (Prim...
		Farm/Ranch			CA		Under investigation	Under Quarantine					Other
		Pet Store			CA		Under investigation	No Restrictions					None
		Farm/Ranch			CA		No Active Investigations	No Restrictions					Animal Production
		Pet Store			CA		Under investigation	No Restrictions					Pet Sales
		Feed Store			CA		Under investigation	No Restrictions					A - none
		Farm/Ranch			CA		No Active Investigations	No Restrictions					Stabling Livestock
		Feed Mill			CA		Under investigation	No Restrictions					A - none
		Other			CA		No Active Investigations	No Restrictions					A - none
		Farm/Ranch			CA		No Active Investigations	No Restrictions					A - none
		Diagnostic Laboratory			WI		No Active Investigations	No Restrictions					Diagnostic Lab Services
		Other			CA		No Active Investigations	No Restrictions					Animal Feeding
		Farm/Ranch			CA		No Active Investigations	No Restrictions					Animal Production
		Farm/Ranch			CA		No Active Investigations	No Restrictions					Animal Production
		Farm/Ranch			CA		No Active Investigations	No Restrictions					Animal Production
		Other			CA		Under investigation	No Restrictions					A - none
		Farm/Ranch			CA		No Active Investigations	No Restrictions					Animal Production
		Farm/Ranch			CA		No Active Investigations	No Restrictions					Animal Production
		Dairy			CA		No Active Investigations	No Restrictions					Mixed Purpose
		Zoo			CA		Under investigation	No Restrictions					Dairy Farming
		Dairy			CA		Under investigation	No Restrictions					Zoological Exhibition
		Dairy			CA		Under investigation	No Restrictions					Dairy Farming
		Dairy			CA		Under investigation	No Restrictions					Dairy Farming

LMS Results Function

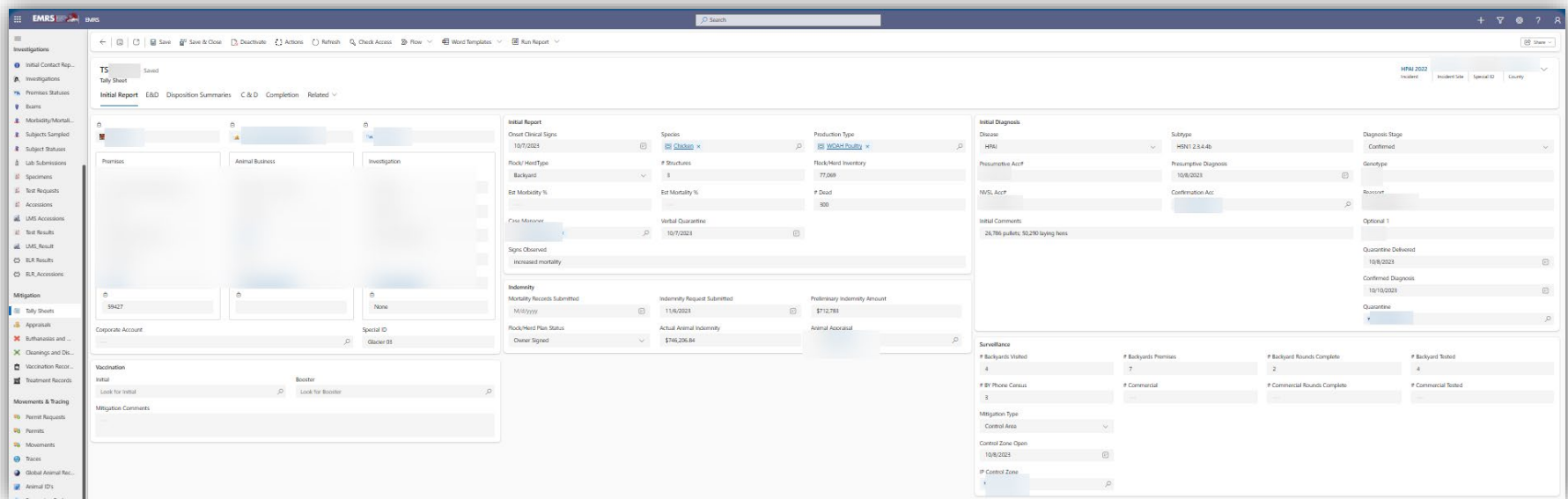
- Electronically messaged lab results from the National Animal Health Laboratory Network (NAHLN) labs and National Veterinary Services Laboratories (NVSL) show up in the LMS Accessions feature
- LMS result automatically links to the Premises ID record
- This allows for timely and accurate receipt of lab results
- Disease Reporting Officers (DRO) and USDA Veterinarians can now use these results to help make decisions on the premises status and incident response

Tally Sheets Function

- Tally Sheets are a significant part of managing an incident.
- Tally Sheets are used by the Disease Reporting Officer, the Situation Unit Leader, and the National Situation Unit while responding to an animal emergency disease incident.
- The information recorded on the Tally Sheet must be validated and updated throughout the incident.
- After a Positive Diagnosis status has been created for a premises by the Disease Reporting Officer, a Tally Sheet is created.
- The Tally Sheet documents critical tracking information for Infected and Dangerous Contact premises in summary form on a single page in EMRS.

Tally Sheets Function (cont.)

- Links to Premises, Animal Business and Investigation
- Contains sections on Indemnity, Surveillance, Disease Status, Clinical Signs, Vaccination, Euthanasia, Disposal, Cleaning, Disinfection, Release and Restocking



The screenshot displays the EMRS BMS Tally Sheet form, which is a comprehensive data entry interface for animal health and management. The form is organized into several sections:

- Initial Report:** Contains fields for Species (e.g., Chicken), Production Type (e.g., Poultry), and various counts such as # Structures, # Stock, and # Dead.
- Initial Diagnosis:** Includes fields for Disease (e.g., HPAI), Subtype (e.g., H5N1 2.3.4.6), and Confirmation Act.
- Indemnity:** Features fields for Mortality Request Submitted, Indemnity Request Submitted, and Preliminary Indemnity Amount.
- Surveillance:** Includes fields for # Backyard Visited, # Backyard Premises, # Backyard Rounds Complete, and # Backyard Tested.
- Vaccination:** Includes fields for # B1 Phone Census, # Commercial, # Commercial Rounds Complete, and # Commercial Tested.
- Other Sections:** Includes fields for Premises, Animal Business, Investigation, and various dates and times.

The form is designed to be user-friendly, with clear labels and a structured layout that facilitates data entry and reporting.

Depopulation, Disposal, and Disinfection Functions (3D)

- Euthanasia and Disposal is created via the investigation record to accurately track documents for depopulation.
- Cleaning and Disinfection is created similarly.

EUTHANASIA AND DISPOSAL: E & D WEB FORM

ED: [REDACTED]:19

Incident [REDACTED] Incident Site California Access Group Calif

Premises	Animal Business	Investigation
00 [REDACTED]	[REDACTED]	IV: [REDACTED]:19
[REDACTED]	[REDACTED]	[REDACTED]
Residence	PERRIS	3/2/2019
[REDACTED]	CA	Completed
PERRIS	92570	6/1/2020
CA	Backyard Producer	Area Surveillance
92570	--	None

NOTES

Enter a note

[REDACTED]

[REDACTED]

[REDACTED]

Euthanasia and Disposal Parameters

Reporting Animals Euthanized?	Est # to Euthanize	Animal(s) Items Disposed?	Est # to Dispose
Yes	[REDACTED]	Yes	[REDACTED]
Euthanasia Assigned	Euthanasia Party	Euthanasia Team	Euthanasia Method
[REDACTED]	State/Federal Personnel	[REDACTED]	CO2 Gas/Container
Euthanasia Scheduled Start	Euthanasia Scheduled End	Euthanasia Start	Euthanasia Completed
3/2/2019 7:00 AM	3/2/2019 7:00 AM	3/2/2019	3/2/2019
Euthanasia Comments			
[REDACTED]			
Disposal Assigned	Disposal Party	Disposal Team	Disposal Method
[REDACTED]	State/Federal Personnel	[REDACTED]	Approved Landfill
Disposal Scheduled Start	Disposal Scheduled End	Disposal Start	Associated Status
3/2/2019 7:00 AM	3/2/2019 7:00 AM	3/2/2019	PS: [REDACTED]:19
Compost Capped	Compost Temp Start	Compost Turn	Disposal Completed
[REDACTED]	[REDACTED]	[REDACTED]	3/2/2019
Disposal Comments			
Landfill			
Est. Euthanasia Cost	Est. Disposal Cost	Euthanasia Bill	Disposal Bill
--	--	--	--

E&D Details

Record Status: Active

ED Status: E&D Completed

Created On: 3/2/2019 5:24 PM

Created By: [REDACTED]

EMRS – Word Templates

- EMRS can create Word templates that will auto-complete many fields with information from EMRS records (address, business name, etc.) directly into the template/inspection form.
- Templates can be attached to multiple records in EMRS and be automatically available to assigned field staff in the EMRS2Go application.

The screenshot displays the EMRS application interface. On the left is a navigation pane with options like Home, Recent, Pinned, Training, Inspection Tasks, Premises, Tasks, Supply Request, Access Request, and Bug Reports/Enhancements. The main area shows a record for 'TK:10230:20' with details such as Task category (EIA Lab Inspections), Task Reason (Annual EIA Lab Inspection), Resource Assigned To (SHELLEY OELKERS), Contact Assigned To (SHELLEY OELKERS), Priority (Normal), Task Status (Completed), and Percent Complete (100%).

Overlaid on the right is a Word template for a 'LABORATORY INSPECTION CHECKLIST FOR EQUINE INFECTIOUS ANEMIA (EIA) TESTING'. The template includes the EMRS logo and the following fields:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE VETERINARY SERVICES	
Laboratory Name	Date of Inspection
Name and Title/Affiliation of Inspector	State Representative (if present)
Laboratory Director	Director's Representative (if applicable)
Physical Address of Laboratory (street, city, state, and ZIP Code (not P.O. Box))	Mailing Address of Laboratory (if different)
Shipping Address of Laboratory (if different)	Laboratory Phone Number
	Laboratory Fax Number
Director Email Address	Laboratory Email Address

Permits and Permit Movement Functions

Permit Requests: Entry

- Through Gateway by Industry
- Manually by State or Federal employees

Permit Requests: Review

- Reviewed by State Animal Health Official
- Accept or Reject



Permits

- State of Origin Reviews and recommends approval or denies
- State of Destination Approves or Denies in EMRS

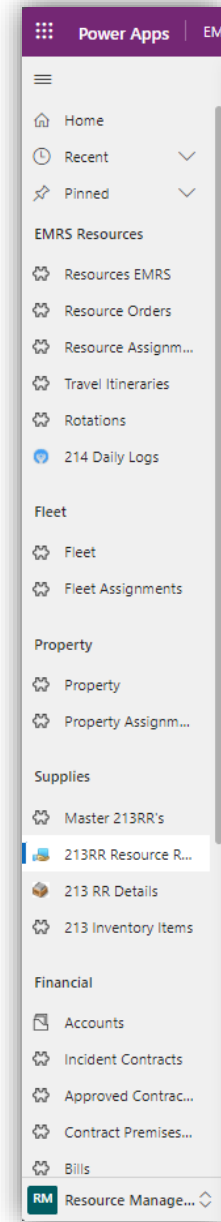
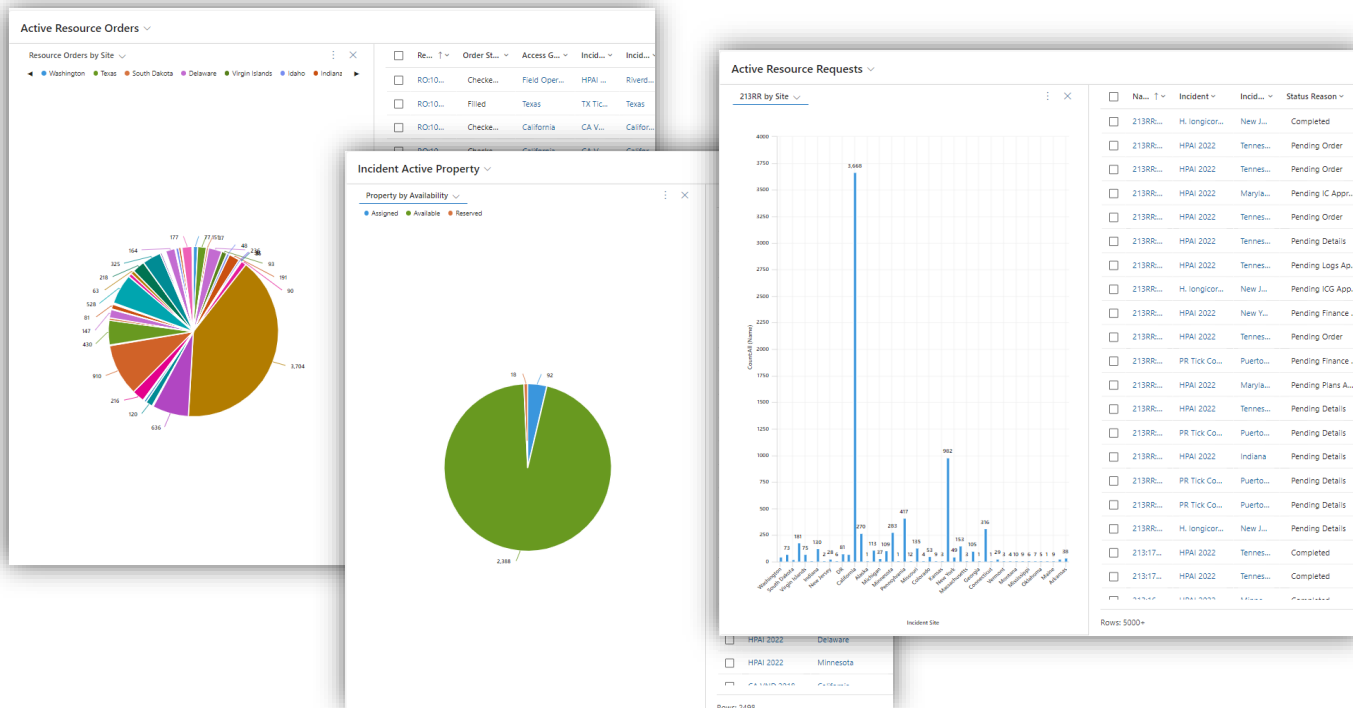


Movements

- Industry enters Movements under approved Permits
- Industry indicates the accession number of the required negative testing

Resource Management

- EMRS Resources: Management of personnel (213RRs, rotations) & 214 Daily Logs
- Fleet, Property, and Supplies
- Financial: Accounts, Incident Contracts, etc.



Knowledge Management

- Incident Documents: Multiple incident management documents
- Training Materials: Multiple instructional material
 - Toolkits, Job Aids, SOPs, FAD reference documents, etc.

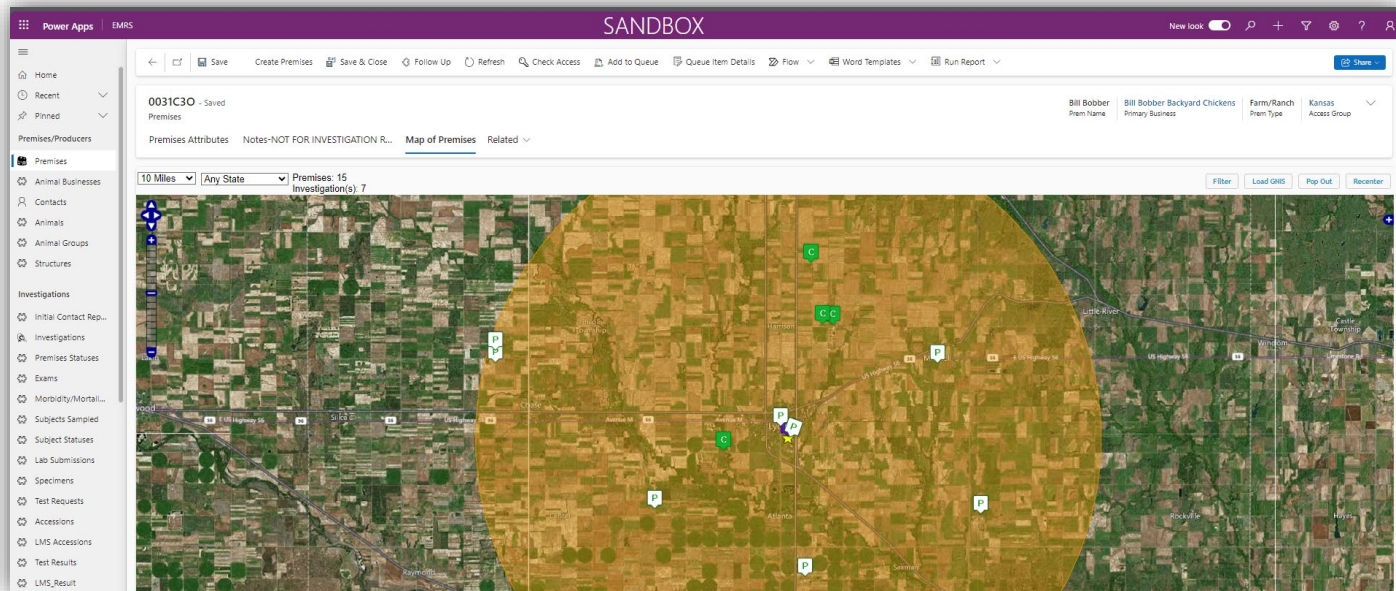
The screenshot displays the EMRS (Emergency Management Response System) interface. The left sidebar shows navigation options: Home, Recent, Pinned, Incident Documents, Training Materials (selected), Support Tickets, Attendance, FAD Reference, and Knowledge Management. The main content area is titled 'ALL Current Training Materials*' and contains a table with the following data:

Title ↑	Category	Target Audience	Type	Explanation
Disease Management Data Entry - Job Aids	Disease Management	General User	Job Aids	Add Animals to an Animal Business Add an Animal Business to a
Disease Reporting Officer (DRO) Toolkit	Disease Management	Field Personnel	Toolkit	DRO Course Material, Guide to Premises Status Management fo
Document Templates	Knowledge Management	General User	Job Aids	Provides a list of active document templates, the record type the
EIA Laboratory Statusing and Inspections	Disease Management	General User	Job Aids	Guidance for Statusing of EIA Labs and documentation of EIA La
EMRS Drills	Knowledge Management	General User	Exercises	Drills to practice various skills in EMRS. See the document title f.
EMRS2Go	Disease Management	Field Personnel	Toolkit	EMRS2Go SOP
FAD Investigations	Disease Management	Field Personnel	Toolkit	Foreign Animal Disease Investigation, Forms, etc.

Rows: 39

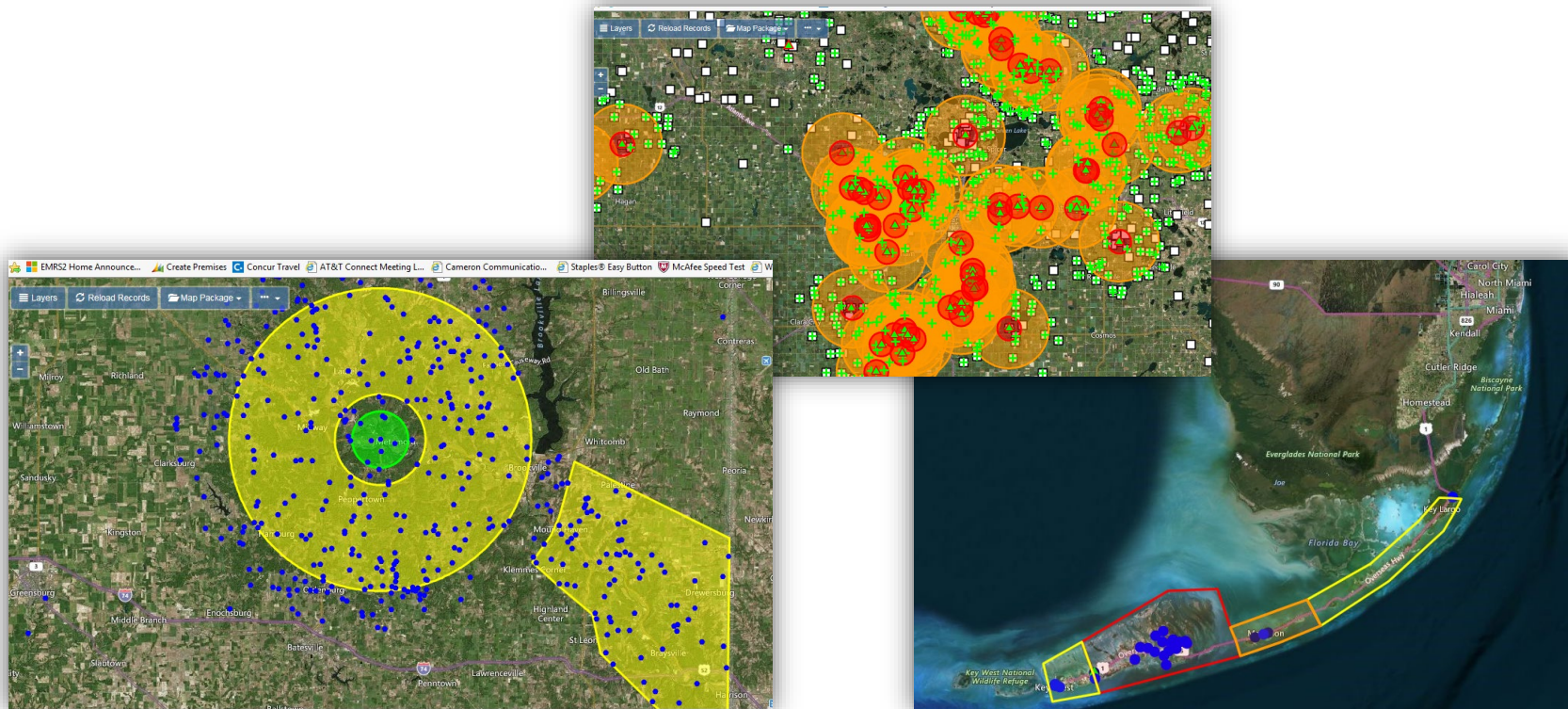
EMRS Mapping

- Premises Map – ability to map a premises directly from the Premises Record
 - Investigation Map
 - Ability to filter from Premises Type, Investigation Status, and Incident.



Enterprise Reporting

- Azure EMRS Map: State and County level mapping capabilities
- Azure Advanced EMRS Map: Incident specific maps
 - Disease management components are used to create mapping layers and reference specific premise activities: Quarantines, Exams, Premises Statuses, zone layers, etc.



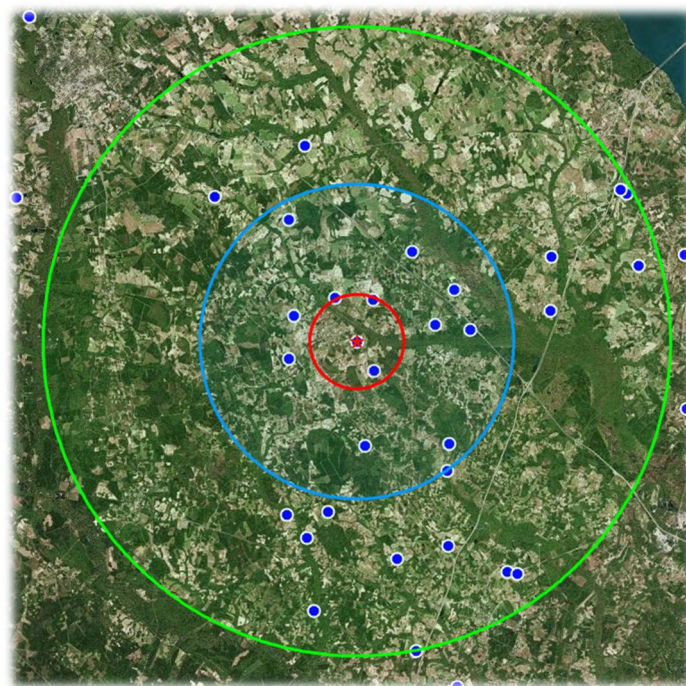
Zones and Control Areas (HPAI scenario)

- At confirmation of HPAI on a premises, the Disease Reporting Officer, working in conjunction with the SAHO, establishes a Control Area following current policy guidelines.
- EMRS allows for the quick and efficient identification of poultry premises located within an established control area
 - Notification of affected parties
 - Surveillance & response planning by the SAHO/IMT
 - Permitting activities into and out of the control area(s)

Table 3-3. Minimum Sizes of Zones and Areas

Zone or area	Minimum size and details
Infected Zone (IZ)	Perimeter should be at least 3 km (~1.86 miles) beyond perimeters of presumptive or confirmed Infected Premises. This will depend on disease agent and epidemiological circumstances. This zone may be redefined as the outbreak continues.
Buffer Zone (BZ)	Perimeter should be at least 7 km (~4.35 miles) beyond the perimeter of the Infected Zone. Width is generally not less than the minimum radius of the associated Infected Zone, but may be much larger. This zone may be redefined as the outbreak continues.
Control Area (CA)	Perimeter should be at least 10 km (~6.21 miles) beyond the perimeter of the closest Infected Premises. Please see Table 3-1 for factors to consider in determining the size of a Control Area. This area may be redefined as the outbreak continues.
Surveillance Zone (SZ)	Width should be at least 10 km (~6.21 miles), but may be much larger.

Source: [APHIS FAD Framework: Response Strategies \(Manual 2-0\)](#)

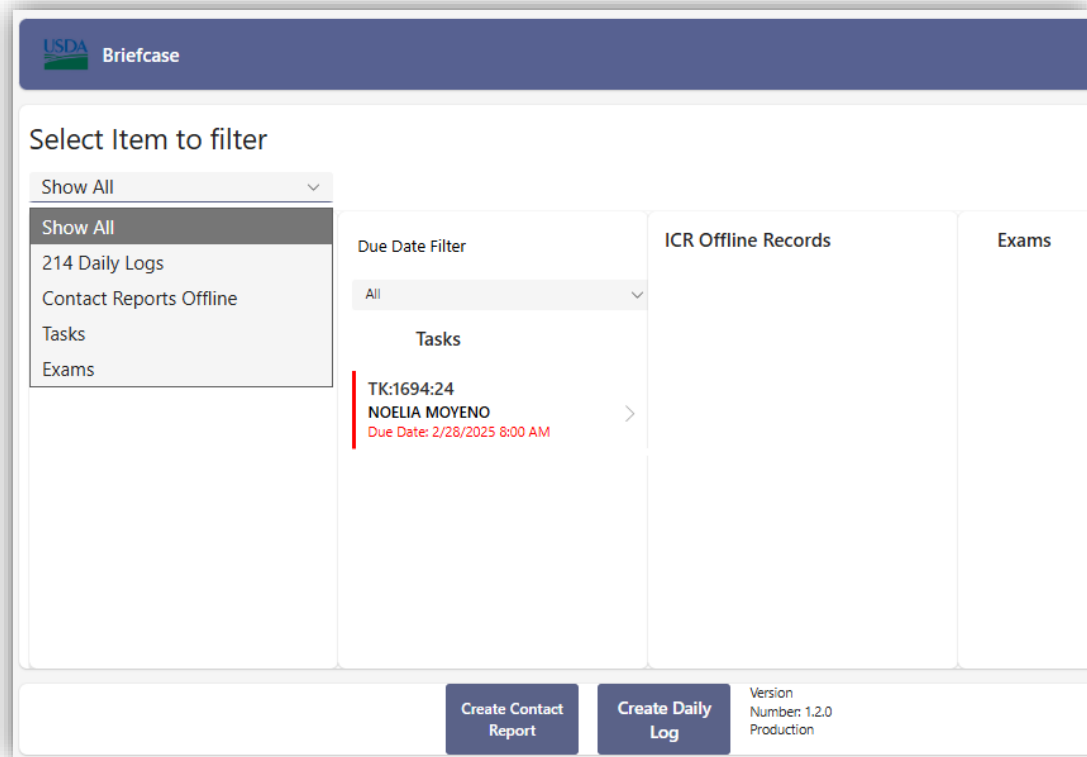
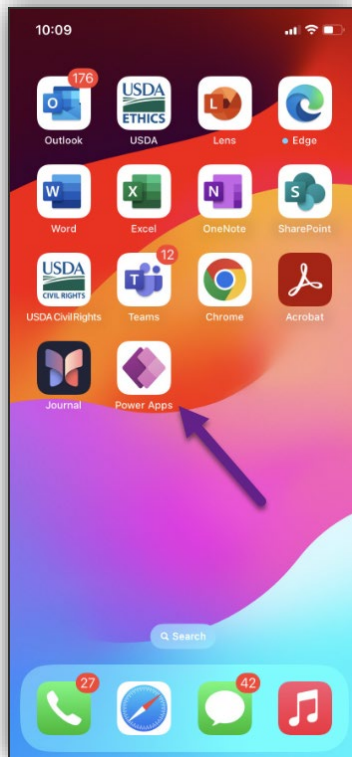


EMRS Applications



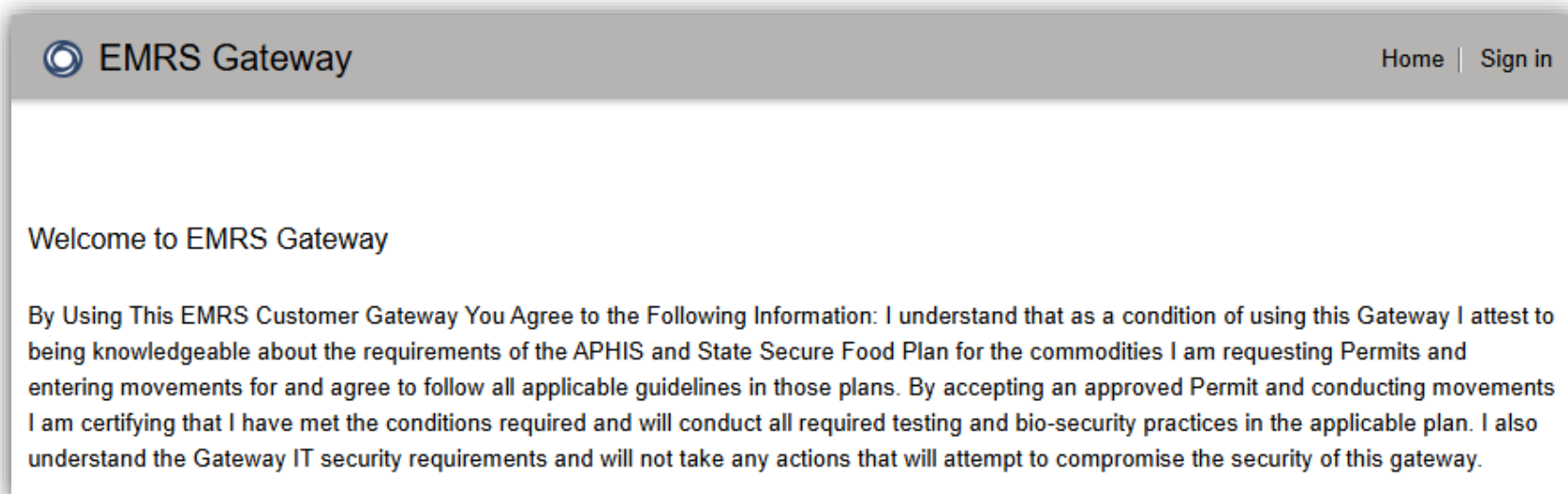
EMRS2Go Mobile Application

- Allows field employees (EMRS users) to submit tasks and initial contact reports directly from the field setting.
- Laptop/Smart phone/Tablet interface



EMRS Gateway

- Secure web application that facilitates and streamlines permit requests
- Registered producers can log in to request permits and check on the status of existing requests
- When a permit request is submitted via the Gateway, it automatically appears in the EMRS database





EMRS Network Associates can be contacted at:

emrs.training.network@usda.gov

You can also visit:

[Emergency Management Response System](#)