



# FIRE ENVIRONMENT MAPPING SYSTEM

## FEMS 3.4 Release Notice

**Date:** September 16, 2025

**Version:** FEMS version 3.4

**Description:** The primary focus of the 3.4 Release is to integrate Microsoft PowerBI Reports with FEMS data. It also includes some fixes and change request items.

### General

- A new Hamburger menu on the top, right side of the FEMS pages replaces the navigation buttons and . . . Settings and More menu in FEMS.
- The initials of the user logged into the system now display in place of the user name. When you click the user initials, a list of roles associated with the user account displays and a Log-Out option is available.
- The “Go To Chart” option on the Fire Danger Map pop-up window is now disabled for stations that do not have historical data (i.e., ASOS and new RAWS stations).

### Reports

- A new Reports option is available in the hamburger menu.
- When you select the new Reports option in the hamburger menu, a Reports page displays with the following tab areas:
  - Fire Danger
  - Weather
  - Station Information
  - Field Sample
  - Advanced Analytics (Only available for FEMS Admin users)
- You can view reports on each Report tab, by clicking the title of a report.
- FEMS Admin users can Add, Edit, and Delete links to Microsoft PowerBI reports on each Reports tab.
- FEMS Admin users can toggle the visibility of a report on each Reports tab.

### Maps

#### Weather

- When you hover your mouse over an icon on the map, the Station ID is included in the station information that displays.

- When you click an icon on the map, the Station ID is now included in the station information that displays on the pop-up window.
- When you use the “Search Station” option, the Station ID is now included in the station information.
- When viewing Hourly Weather data on the popup window on the Weather map page, the system now displays the correct hour and minutes for any hours that have missing data.
- When viewing forecast Weather data on the popup window on the Weather map page, the system now only displays up to the last forecast data that was ingested.

### Field Sample Map

- When using the “Go to Site” link to navigate from the Field Sample Map to the Field Sample page, the system no longer displays a blank screen when you view Fuel Moisture data.

### Fire Danger

- When you hover your mouse over an icon on the map, the Station ID is included in the station information that displays.
- When you click an icon on the map, the Station ID is now included in the station information that displays on the pop-up window.
- When you use the “Search Station” option, the Station ID is now included in the station information.
- When viewing Hourly Fire Danger data on the popup window on the Fire Danger map page, the system now displays the correct hour and minutes for any hours that have missing data.
- When viewing forecast Fire Danger data on the popup window on the Weather map page, the system now only displays up to the last forecast data that was ingested.

## Tables

### Stations

#### Station Metadata

- The system now includes the following sections on the Station Metadata tab:
  - Location Data
  - Site Characteristics
  - NFDRS Settings (Visible or Not Visible).
- When logged into FEMS with the FEMS Admin role, you can now toggle NFDRS station visibility on or off on the Station Metadata tab.

### Catalog

- The headers on the Catalog tab are now larger than they were previously and display bold.
- The Live Fuels area on the Catalog tab was updated to include Herbaceous and Woody tables, which include an appropriate header above the tables.
- Alternate colors display for each row in the Herbaceous and Woody tables.

## Downloads

- When downloading Weather or Fire Danger data the “Copy Data Link” will now be pulling data from the FEMS Read-Only API.
- When downloading an FW21 file for Weather, the system will only create a zip file if there are multiple stations. If there is only one station selected, the zip file will not be created.

## Field Samples

- When adding a new site, the system will automatically insert - at the beginning of the field. This character can be removed, as needed.
- When adding a new site, if the Latitude and Longitude are not valid, the error message that displays is more descriptive of the issue:

“Please verify Latitude and Longitude. A negative value may be required for the Longitude.”

- When a FEMS Admin views Audit Logs for a Field Sample, the system will now include log information for deleting or archiving samples and subsamples.

FEMS 3.4 may be accessed by both public (unauthenticated user) and government wildland fire personnel (authenticated users) alike.

Unauthenticated users can access FEMS without a login and access the full fuel moisture dataset. Authenticated users can access, enter, and edit data, and will be able to edit Group or Site information, according to their FEMS role.

The FEMS business leads will be contacting the former Geographic Area NFMD leads to review permissions and assign roles in FEMS. Training for Area, Group, and Site roles is in development.

Additional information is also available on the FEMS Webpage:

<https://www.wildfire.gov/application/fems>.

The FEMS URL is <https://fems.fs2c.usda.gov/>.

**FEMS 3.4 has been tested on devices with the following specifications:**

### **Operating System:**

Windows 11 Enterprise

Version 10.0.22631 Build 22631

Intel(R) Core(TM) i5-12600HX, 2500 Mhz, 12 Core(s) 16 Logical Precision

64-bit operating system, x64-based processor

**Browser specifications:**

Chrome: Version 133.0.6943.127 (Official Build) (64-bit)

Microsoft Edge: Version 133.0.3065.69(Official build) (64-bit)