FEMS 3.3 Release Notice

Date: July 31, 2025
Version: FEMS version 3.3

Description: The primary focus of the 3.3 Release is to provide a Read-Only
API for use with external applications. It also includes some fixes and change request items.

General

- When changes are made to a station in the Production system, e-mail notifications are now sent to authorized users.

Ready-Only API

- A new Read-Only API is available for use with external applications.
- A new FEMS API Role is available in FEMS that allows users to use the Read-Only API.
- A new API Key option is available in either the . . . or hamburger menu that allows users to generate a key for use with the new Read-Only API.

Maps

General

- When you hover the mouse over an icon on the map, the data no longer covers the icon on the map.
- The spacing was adjusted on the map pop-up window when viewing graph data. Additional space was added at the bottom of the graph to make it easier to read the data.

Weather

- Instead of truncating the weather data numbers on the Weather Map page, the system rounds the numbers.

Field Sample Map

- Instead of truncating the field sample data numbers on the Field Sample Map page, the system rounds the numbers.

Fire Danger

- When viewing Fire Danger graphs, the space between observations and forecasts was removed to make it easier to read the graph data.

Tables

- The Tables Catalog page was updated with the following changes:
  - All catalogs are identified with a title.
  - Drought Catalog was changed to National Drought Catalog.
  - Default National Live Fuel Moisture Catalog was renamed National Live Fuel Moisture Catalog.
    - Herbaceous and Woody data now displays in separate tables under the National Live Fuel Moisture Catalog.
- When viewing Daily Min Max Average data on the Table/Seasonal Trend Charts tab, the data displays from 01/01.
- When hovering the mouse over the lines on the Tables/Seasonal Trend Charts tab, the system only displays on set of percentiles when moving between models.
- When viewing Daily NFDRS data, the system displays the time when the daily Min/Max data was generated for the listed dates.

Downloads

- When downloading Fire Danger data, the name of the download files includes NFDRS, rather than NFDR.
- The instructions under the Data Subject Area field were removed on the Station Metadata Download page. NOTE: The instructions were not correct and needed to be removed.
- The NFDRS Hourly data for the Rattlesnake Mountain Station in Wyoming now includes the appropriate data in the download file.

Field Samples

- Changes were made to prevent users from updating an Archived Field Sample.
- A new Salal Fuel Type is now available when adding a new Field Sample.
- A new Disturbance Sub-Category is available when adding a new Field Sample.
- When adding a new sample, the system will display a vertical scrollbar, as needed, regardless of the screen's resolution.
- When a FEMS Admin user changes the primary contact for a Group or Area and adds the previous primary contact as an additional contact, the system saves the change without any errors.
- When a user uses the Search option to select different sites in Field Samples, the system is now correctly loading the metadata for the selected site.

FEMS 3.3 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.

Wildland fire personnel can become authenticated through the iNAP/eAuthentication process at https://iwfirp.nwcg.gov/ using either eAuth for federal employees or Login.gov for public partners. Authenticated users will have unrestricted access to all RAWS data sets.

The FEMS 3.3 application URL is https://fems.fs2c.usda.gov/.

FEMS 3.3 has been tested on devices with the following specifications:

Operating System:
Windows 11 Enterprise
Version 23H2 Build 22631.4890
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)