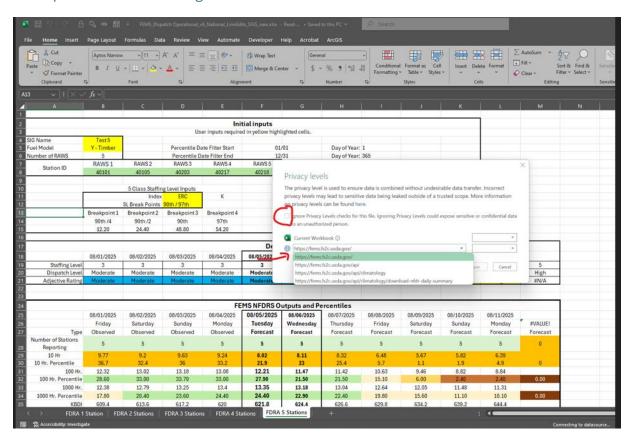
## **User Guide for FEMS Daily Values Spreadsheet**

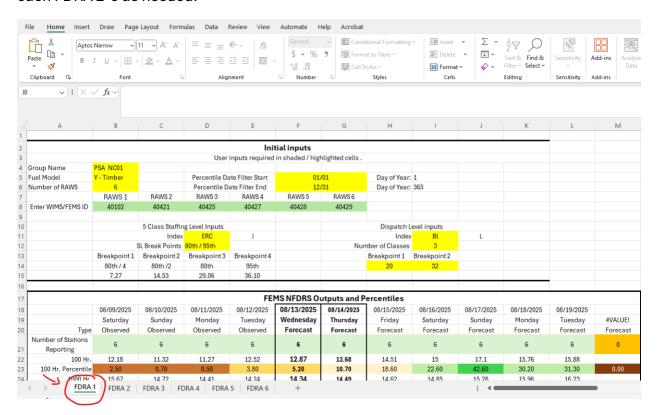
The intent of this spreadsheet is to provide users one method to ingest FEMS data and produce the NFDRS output values and percentiles for a single station or averaged outputs for multiple stations. It will also provide staffing levels, dispatch levels and adjective rating from the old WIMS calculations. Those calculations are not a national standard and are for reference purposes only. Field units and dispatch centers should utilize breakpoints if they have completed a fires analysis for the local area. The outputs on the spreadsheet are based solely on climatological data. The spreadsheet is not a national standard document and users are encouraged to develop their own products as needed. Averaging multiple stations together should be done with caution since it is likely to reduce the overall understanding of fire danger values that individual stations provide, and it is encouraged to monitor all stations of interest individually.

The spreadsheet is locked except for the yellow highlighted cells and the green highlighted Station ID cells.

**Step 1.** When the spreadsheet is opened for the first time on your machine Excel may ask about privacy levels. Choose Ignore Privacy levels for this file. From the drop down, click on <a href="https://fems.fs2c.usda.gov/">https://fems.fs2c.usda.gov/</a>. Click OK.



**Step 2**. Rename the file for your specific use. Click on File and choose Save As. Then at the bottom of the excel document, rename FDRA 1 to one of the FDRA's in your area that you want to monitor. Right click on the FDRA 1 tab and choose Rename. Repeat this for each FDRA 2-6 as needed.



**Step 3**. Enter the name of your area in the FDRA name. Choose the Fuel Model from the drop-down list and enter the number of weather stations in that FDRA. This is completed in the yellow highlighted cells.

	Α	В	С	D	E	F	G	Н	1	J	K	L
1												
2		7			Init	tial inputs						
3				User	inputs required	in shaded / hig	hlighted cells.					
4 FDRA Na	ame	Redding RAWS										
5 Fuel Mo	del	Y - Timber	Percentile Dat		te Filter Start 01		/01	Day of Year:	1			
6 Number	r of RAWS	1	Percentile Da		Date Filter End 12/31		/31	Day of Year:	365			
7		RAWS 1										
8 St	tation ID	40611										
9												
10			5 Class Staffin	g Level Inputs				Dispatch L	evel inputs			
11			Index	ERC	J			Index	BI	L		
12		,	SL Break Points	90th / 97th			Nu	mber of Classes	3			
13		Breakpoint 1	Breakpoint 2	Breakpoint 3	Breakpoint 4			Breakpoint 1	Breakpoint 2			
14		90th /4	90th /2	90th	97th			20	32			
15		14.72	29.44	58.87	64.63							
16												

**Step 4.** Enter the station ID number in the green highlighted cells.

А	В	С	D	Е	F	G	Н	1	J
			User	Init inputs required i	ial inputs n shaded / hig	hlighted cells .			
FDRA Name	PSA NC01								
Fuel Model	Y - Timber		Percentile Da	te Filter Start	01	/01	Day of Year:	1	
Number of RAWS	6		Percentile D	ate Filter End	12	/31	Day of Year:	365	
	RAWS 1	RAWS 2	RAWS 3	RAWS 4	RAWS 5	RAWS 6			
Station ID	40102	40421	40425	40427	40428	40429	)		
		5 Class Staffin	g Level Inputs				Dispatch L	evel inputs	
		Index	ERC	J			Index	BI	L
		SL Break Points	80th / 95th			Nu	mber of Classes	3	
	Breakpoint 1	Breakpoint 2	Breakpoint 3	Breakpoint 4			Breakpoint 1	Breakpoint 2	
	80th / 4	80th /2	80th	95th			20	32	
	7.27	14.53	29.06	36.10					

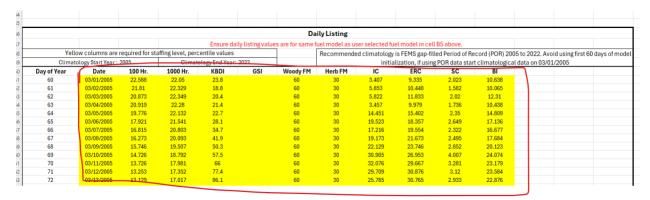
**Step 5.** Choose the staffing level inputs index and breakpoints in the drop-down menu. No options for customized breakpoints exists.

Α	В	С	D	Е	F	G	Н	T.	J	
				Init	ialinputs					
			User	inputs required	in shaded / higl	hlighted cells .				
FDRA Name	PSA NC01									
Fuel Model	Y - Timber		Percentile Da	ite Filter Start	01	/01	Day of Year:	1		
Number of RAWS	6	6		Percentile Date Filter End		12/31		365		
	RAWS 1	RAWS 2	RAWS 3	RAWS 4	RAWS 5	RAWS 6				
Station ID	40102	40421	40425	40427	40428	40429				
		5 Class Staffing Level Inputs					Dispatch Level inputs			
		Index	ERC <	1. 1			Index	BI	L	
		SL Break Points	80th / 95th	ナ		Nu	mber of Classes	3		
	Breakpoint 1	Breakpoint 2	Breakpoint 3	Breakpoint 4			Breakpoint 1	Breakpoint 2		
	80th / 4	80th /2	80th	95th			20	32		
	7.27	14.53	29.06	36.10						

**Step 6**. OPTIONAL: If you have completed an analysis with FEMS data for Dispatch levels enter the Index, number of classes and the breakpoints in the Dispatch Levels Inputs.

A	В	С	D	E	F	G	Н	1	J
				Init	ial inputs				
			User	inputs required i	in shaded / high	hlighted cells .			
DRA Name	PSA NC01								
uel Model	Y - Timber		Percentile Da	ate Filter Start	01/	/01	Day of Year:	1	
Number of RAWS	6		Percentile Date Filter End		12/31		Day of Year:	365	
	RAWS 1	RAWS 2	RAWS 3	RAWS 4	RAWS 5	RAWS 6			
Station ID	40102	40421	40425	40427	40428	40429			
		5.01 0.00							
		5 Class Staffin					•	evel inputs	$\prec$
		Index	ERC	J			Index	BI	L
		SL Break Points	80th / 95th			Nu	mber of Classes	3 —	-
	Breakpoint 1	Breakpoint 2	Breakpoint 3	Breakpoint 4			Breakpoint 1	Breakpoint 2	
	80th / 4	80th /2	80th	95th			20	32 —	-/
	7.27	14.53	29.06	36.10					

**Step 7**. Scroll down to Daily Listings, line 51. The daily listings outputs from an external analysis will need to be input into these cells for the staffing level and percentile values to populate.



**Step 8.** On the top of the excel file, go to Data tab and click refresh all. Be patient as the data loads from FEMS.

