

Limit Tool Users Guide

Excel 2010

1. Open the Limit Tool.
 - a. If a Security Warning appears, click on Enable Content.

The screenshot shows the Microsoft Excel 2010 interface. A yellow Security Warning dialog box is displayed, stating "Security Warning: Macros have been disabled." with an "Enable Content" button. The dialog box is highlighted with a red rectangle. Below the dialog box, the Excel spreadsheet is visible, showing the "CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY STATE WATER RESOURCES CONTROL BOARD" logo and a table with columns: Location, Parameter, Data Type, Units, and Upper Limit. The "Name" field is set to "Sample".

2. Enter a Name, must be one word with no spaces or dashes.

The screenshot shows the Excel spreadsheet with the "Name" field set to "Eureka". The "Name" field is highlighted with a red rectangle. The spreadsheet also shows the "CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY STATE WATER RESOURCES CONTROL BOARD" logo and the table structure.

3. Enter the limitations. Parameter, Data Type and Units are linked to drop down menus.

The screenshot shows the Microsoft Excel interface for the Limit Tool. The ribbon includes File, Home, Insert, Page Layout, Formulas, Data, Review, View, Developer, and Add-Ins. The spreadsheet displays the California Environmental Protection Agency logo and the text "STATE WATER RESOURCES CONTROL BOARD". Below this, there is a text input field for "Name: Eureka" with a note "all one word, no spaces or dashes." The main data table has the following columns: Location, Parameter, Data Type, Units, Upper Limit, and Lower Limit. A yellow box highlights the data entry area, which is currently empty.

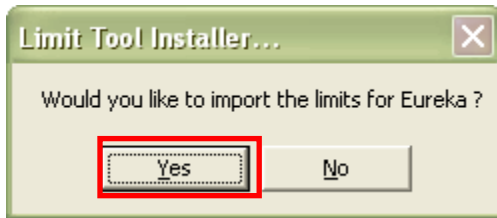
4. Click on the “Generate Limits Tool” button.

The screenshot shows the Limit Tool interface with a list of parameters and their corresponding limits. The parameters are listed in the first column, and the limits are listed in the second column. A red box highlights the "Generate Limits Tool" button at the bottom of the interface.

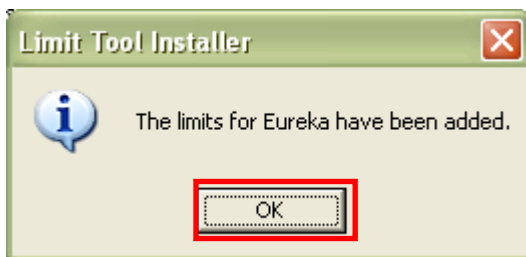
38	31	EFF-001	Ammonia, Total (as N)	Single	lb/day	5336	
39	32	EFF-001	Ammonia, Total (as N)	Instantaneous Maximum (IMAX)	lb/day	13341	
40	33	EFF-001	Ammonia, Total (as N)	6-Month Median	lb/day	1334	
41	34	EFF-001	Copper, Total	Single	ug/L	312	
42	35	EFF-001	Copper, Total	Instantaneous Maximum (IMAX)	ug/L	870	
43	36	EFF-001	Copper, Total	6-Month Median	ug/L	33	
44	37	EFF-001	Copper, Total	Single	lb/day	22.4	
45	38	EFF-001	Copper, Total	Instantaneous Maximum (IMAX)	lb/day	62.4	
46	39	EFF-001	Copper, Total	6-Month Median	lb/day	2.37	
47	40	EFF-001	Cyanide, Total (as CN)	Single	ug/L	124	
48	41	EFF-001	Cyanide, Total (as CN)	Instantaneous Maximum (IMAX)	ug/L	310	
49	42	EFF-001	Cyanide, Total (as CN)	6-Month Median	ug/L	31	
50	43	EFF-001	Cyanide, Total (as CN)	Single	lb/day	8.89	
51	44	EFF-001	Cyanide, Total (as CN)	Instantaneous Maximum (IMAX)	lb/day	22.2	
52	45	EFF-001	Cyanide, Total (as CN)	6-Month Median	lb/day	2.22	
53	46						
54	47						
55	48						
56	49						
57	50						
58							
59							
60							
61							
62							

Support Version 2.6

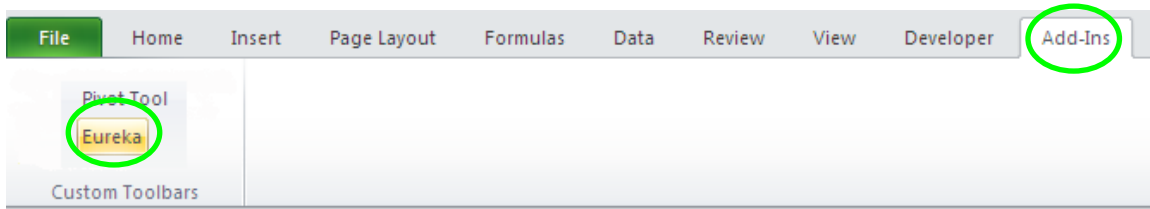
5. Click “Yes”



6. Click “OK”



In the “Add-Ins” section of your Ribbon, you will find the limit toolbar.



The Limits have been added!

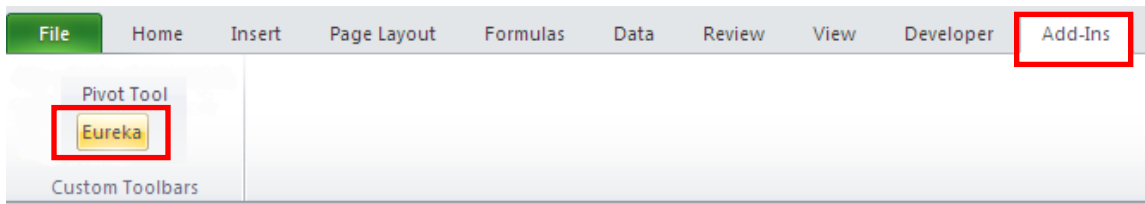
Limit Use

The Limit tool will work on a Pivot table created from a single eSMR submittal.

With your Pivot table open

Location	Ammonia, Total (as N)	Biochemical Oxygen Demand (BOD) (5-day @ 20 Deg. C)	Chlorine, Total Residual	Copper, Total	Cyanide, Total (as CN)	Fecal Coliform	Flow	Oil and Grease	pH	Settleable Solids	
Single	Average Monthly (AMEL)	Average Weekly (AWEL)	Single								
	mg/L	lb/day	mg/L	lb/day	mg/L	ug/L	MPN/100 mL	MGD	mg/L	SU	m/L
07/01/2010	0.01		ND					4.431		6.8	0.1
07/02/2010	0.01	496	14	14	0.01	27	5	4.249	5	7	0.1
07/03/2010	0.02				0.01			4.238		6.8	0.1
07/04/2010	0.01				0.01			4.156		6.8	0.1
07/05/2010	0.01				0.01			2	4.231	6.7	0.1
07/06/2010	0.01				0.01			4	4.425	6.7	0.1
07/07/2010		373	10	10	0.01			7	4.468	6.8	0.1
07/08/2010					0.01			4.296		6.8	0.1
07/09/2010					0.01			2	4.241	6.8	0.1
07/10/2010					0.01			2	4.349	6.8	0.1
07/11/2010					0.01			2	4.272	6.8	0.1
07/12/2010					0.01			2	4.483	6.8	0.1
07/13/2010					0.01			2	4.407	6.8	0.1
07/14/2010		566	16	16	0.01			4	4.238	6.8	0.1
07/15/2010					0.08			4	4.231	6.9	0.1
07/16/2010					0.01				4.14	6.9	0.1
07/17/2010					0.01				4.015	7	0.1
07/18/2010					0.01				4.108	6.8	0.1

Click on the corresponding Limit tool for that facility.





At the bottom of the table you will notice a new set of rows, Limits and # of Exceedances, for each parameter that you entered on the Limit Tool.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T		
1																						
2																						
3	Average of Fleet		Location	Parameter	Calculation	Units	Qual															
4			EFF-001																			
5			Ammonia Total (as N)	Biochemical Oxygen Demand (BOD) (5-day @ 20 Deg. C)	Chlorine, Total Residual	Copper, Total	Cyanide, Total (as CN)	Fecal Coliform	Flow	Oil and Grease	pH	Settleable Solids										
6			Single	Average Monthly (AMEL)	Average Weekly	Single											Average Monthly (AMEL)					
7			Average Weekly (AWEL) (Calculation Type)																			
8	Sampling Date	Sampling Time	Column: EFF-001 - Biochemical Oxygen Demand (BOD) (5-day @ 20 Deg. C) - Average Weekly (AWEL)																			
9	07/09/2010	00:00:00																				
10	07/02/2010	00:00:00	2		496	14	14						27	5	2		4,431	5		6.8	0.1	
11	07/03/2010	00:00:00															4,239			7	0.1	
12	07/04/2010	00:00:00															4,238			6.8	0.1	
13	07/05/2010	00:00:00															4,156			6.8	0.1	
14	07/06/2010	00:00:00															4,231			6.7	0.1	
15	07/07/2010	00:00:00			373	10	10										4,425			6.7	0.1	
16	07/08/2010	00:00:00															4,468			6.8	0.1	
17	07/09/2010	00:00:00															4,296			6.8	0.1	
18	07/10/2010	00:00:00															4,241			6.8	0.1	
19	07/11/2010	00:00:00															4,349			6.8	0.1	
20	07/12/2010	00:00:00															4,272			6.8	0.1	
21	07/13/2010	00:00:00															4,483			6.8	0.1	
22	07/14/2010	00:00:00			566	16	16	0.01									4,407			6.8	0.1	
23	07/15/2010	00:00:00						0.08									4,238			6.8	0.1	
24	07/16/2010	00:00:00															4,231			6.8	0.1	
25	07/17/2010	00:00:00															4,14			6.8	0.1	
26	07/18/2010	00:00:00															4,015			7	0.1	
27	07/19/2010	00:00:00															4,108			6.8	0.1	
28	07/20/2010	00:00:00															4,157			6.8	0.1	
29	07/21/2010	00:00:00															4,179			6.8	0.1	
30	07/22/2010	00:00:00			526	15	15										4,192			6.9	0.1	
31	07/23/2010	00:00:00															4,202			6.9	0.1	
32	07/24/2010	00:00:00															3,941			6.9	0.1	
33	07/25/2010	00:00:00															3,965			6.8	0.1	
34	07/26/2010	00:00:00															4,022			6.7	0.1	
35	07/27/2010	00:00:00															4,206			6.7	0.1	
36	07/28/2010	00:00:00															4,173			6.8	0.1	
37	07/29/2010	00:00:00															4,551			6.7	0.1	
38	07/30/2010	00:00:00			513	15	604	18	18								4,182			6.8	0.1	
39	07/31/2010	00:00:00															4,025			6.8	0.1	
40																	3,908			6.9	0.1	
41	Min of reported values		2	513	15	373	10	10	0.01	0	27	5	2	2	3,908	5	6.7	0.1	308	8.7		
42	Max of reported values		2	513	15	604	18	18	0.08	0	27	5	2	13	4,551	5	7	0.1	308	8.7		
43	Average of reported values		2	513	15	513	14.6	14.6	0.01474	#DIV/0!	27	5	2	5,88889	4,21655	5	6.81613	0.1	308	8.7		
44	Count		1	1	1	5	5	5	19	0	1	1	11	9	31	1	31	31	1	1	1	
46	Upper Limit		74.4	2151	30	3227	45				312	124					75			0.2	2151	30
47	Lower Limit																					
48	# of Exceedances		0	0	0	0	0				0	0					0			0	0	0
49																						



Cells that are highlighted red signify the result exceeded the upper limit entered.

Average of Flow		Location	Parameter	Calculation	Unit	Qual					
			Ammonia, Total (as N)	Biochemical Oxygen Demand (BOD) (5-day @ 20 Deg. C)			Chlorine, Total Residual	Copper, Total	Cyanide, Total (as CN)		
		Single	Average Monthly (AMEL)	Average Weekly (AWEL)							
Sampling Date	Sampling Time	mg/L	lb/day	mg/L	lb/day	mg/L	mg/L	ug/L			
07/07/2010	00:00:00	-	-	-	-	-	ND	-	<		
07/08/2010	00:00:00			373	10	10					
07/09/2010	00:00:00						0.01				
07/10/2010	00:00:00										
07/11/2010	00:00:00										
07/12/2010	00:00:00										
07/13/2010	00:00:00										
07/14/2010	00:00:00			568	16	16	0.01				
07/15/2010	00:00:00						0.08				
07/16/2010	00:00:00						0.01				
07/17/2010	00:00:00						0.01				
07/18/2010	00:00:00						0.01				
07/19/2010	00:00:00						0.01				
07/20/2010	00:00:00						0.02				
07/21/2010	00:00:00										
07/22/2010	00:00:00			528	15	15					
07/23/2010	00:00:00						0.01				
07/24/2010	00:00:00						0.01				
07/25/2010	00:00:00						0.01				
07/26/2010	00:00:00						0.01				
07/27/2010	00:00:00						0.01				
07/28/2010	00:00:00						0.01				
07/29/2010	00:00:00						0.01				
07/30/2010	00:00:00		513	15	604	18					
07/31/2010	00:00:00						0.01				
Min of reported value		2	513	15	373	10	10	0.01	0	27	5
Max of reported value		2	513	15	604	18	18	0.08	0	27	5
Average of reported value		2	513	15	513	14.6	14.6	0.01474	DIW01	27	5
Count		1	1	1	5	5	5	19	0	1	1
Upper Limit		74.4	2151	30	2225	15				312	124
Lower Limit											
# of Exceedances		0	0	0	0	2				0	0