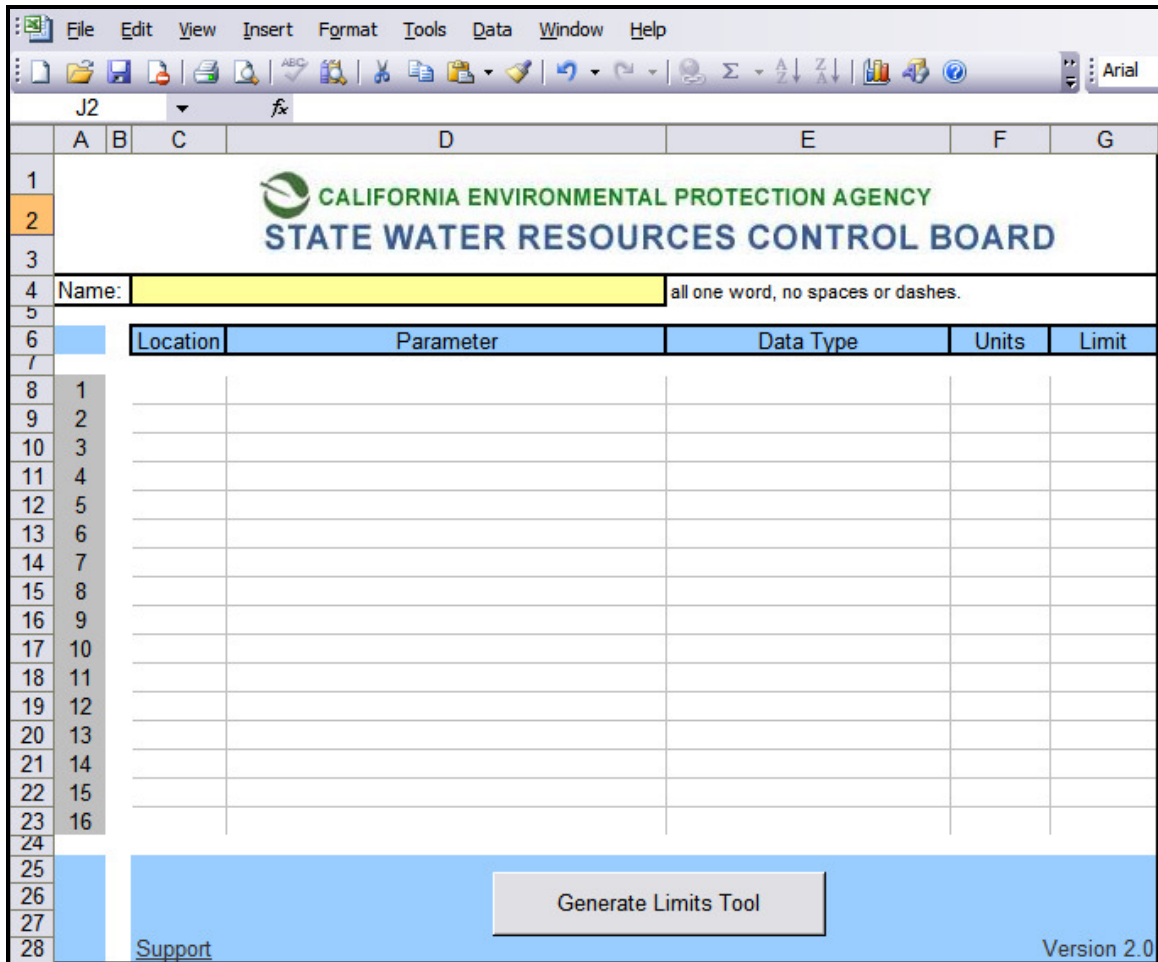


Limit Tool Users Guide

Excel 2003

1. Open the Limit Tool.



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



3. Enter in the Limitations. The Parameter, Data Type and Units are linked to a drop down menu.

The screenshot shows the 'Limit Tool' software interface. At the top, there is a menu bar (File, Edit, View, Insert, Format, Tools, Data, Window, Help) and a toolbar. Below the toolbar, the spreadsheet grid shows the following content:

- Row 1: Logo and text for CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY and STATE WATER RESOURCES CONTROL BOARD.
- Row 4: Name: **BellCarter** (highlighted in yellow). A note below the name reads: "all one word, no spaces or dashes."
- Row 6: Table headers: **Location**, **Parameter**, **Data Type**, **Units**, **Limit**.
- Rows 8-23: A large yellow-bordered table for data entry. The first column contains row numbers 1 through 16.
- Row 25: A blue bar containing a button labeled "Generate Limits Tool".
- Row 27: The word "Support" on the left and "Version 2.0" on the right.

4. Click the “Generate Limits Tool” button

The screenshot shows the Limit Tool software interface. At the top, there is a menu bar (File, Edit, View, Insert, Format, Tools, Data, Window, Help) and a toolbar. Below the toolbar, the spreadsheet shows the following data:

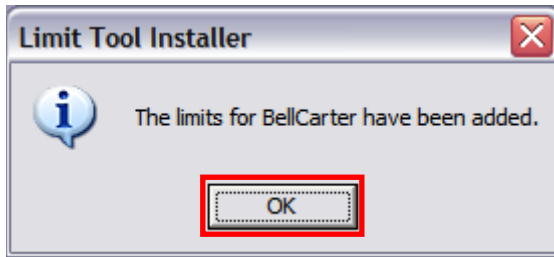
Location	Parameter	Data Type	Units	Limit
1	EFF-001 Ammonia, Total (as N)	Daily Maximum	mg/L	24
2	EFF-001 Biochemical Oxygen Demand (BOD) (5-day	Daily Maximum	mg/L	150
3	EFF-001 Biochemical Oxygen Demand (BOD) (5-day	Daily Maximum	lb/day	1168
4	EFF-001 Chloride	Daily Maximum	lb/day	27900
5	EFF-001 Flow	Daily Maximum	MGD	1.4
6	EFF-001 Settleable Solids	Daily Maximum	ml/L	0.2
7	EFF-001 Total Dissolved Solids (TDS)	Daily Maximum	lb/day	79800
8	EFF-001 Total Suspended Solids (TSS)	Daily Maximum	lb/day	1168
9	EFF-001 Total Suspended Solids (TSS)	Daily Maximum	mg/L	200
10	EFF-001 Flow	Monthly Average (Mean)	MGD	0.95
11	EFF-001 Biochemical Oxygen Demand (BOD) (5-day	Monthly Average (Mean)	mg/L	100
12	EFF-001 Biochemical Oxygen Demand (BOD) (5-day	Monthly Average (Mean)	lb/day	792
13	EFF-001 Total Suspended Solids (TSS)	Monthly Average (Mean)	mg/L	100
14	EFF-001 Total Suspended Solids (TSS)	Monthly Average (Mean)	lb/day	792
15	EFF-001 Settleable Solids	Monthly Average (Mean)	ml/L	0.1
16	EFF-001 Ammonia, Total (as N)	Monthly Average (Mean)	mg/L	8.2

At the bottom of the interface, a button labeled "Generate Limits Tool" is highlighted with a red rectangular box. The text "Support" is visible in the bottom left corner, and "Version 2.0" is in the bottom right corner.

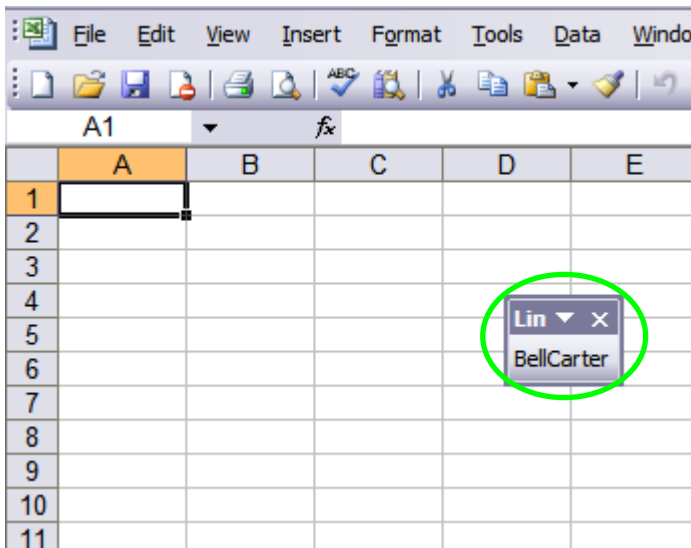
5. Click “Yes”

The screenshot shows a dialog box titled "Limit Tool Installer...". The text inside the dialog box asks: "Would you like to import the limits for BellCarter ?". Below the text are two buttons: "Yes" and "No". The "Yes" button is highlighted with a red rectangular box.

6. Click “OK”



You will notice a “Limit” toolbar floating in your workspace. As you generate more limits for other facilities the toolbar will increase.



The Limits have been added!

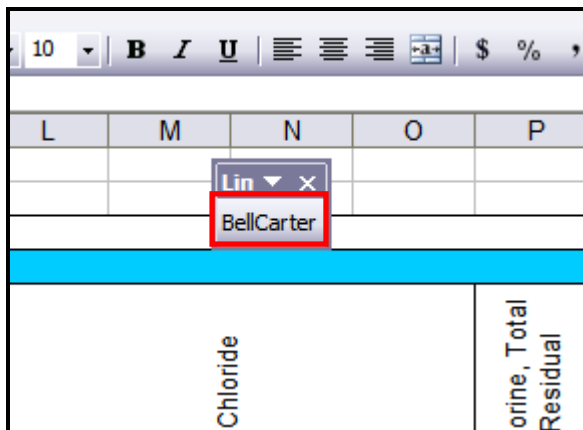
Limit Use

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

With your Pivot table open

Sampling Date	Sampling Time	Acute Toxicity	Ammonia, Total (as N)	Biochemical Oxygen Demand (BOD) (5-day @ 20 Deg. C)	Chloride	Chlorine, Total Residual	Color, ADMI	Electrical Conductivity @ 25 Deg. C	...									
04/01/2010	00:00:00		4.1875															
04/02/2010	00:00:00																	
04/03/2010	00:00:00																	
04/04/2010	00:00:00																	
04/05/2010	00:00:00																	
04/06/2010	00:00:00																	
04/07/2010	00:00:00	1600		3.87	77		21	3144	861		5690							
04/08/2010	00:00:00																	
04/09/2010	00:00:00																	
04/10/2010	00:00:00																	
04/11/2010	00:00:00																	
04/12/2010	00:00:00																	
04/13/2010	00:00:00																	
04/14/2010	00:00:00			2.52	196	41	41	4612	966	581	5900							
04/15/2010	00:00:00																	
04/16/2010	00:00:00																	
04/17/2010	00:00:00																	
04/18/2010	00:00:00																	
04/19/2010	00:00:00																	
04/20/2010	00:00:00																	
04/21/2010	00:00:00			4.53	134		19	6670	6670	943	5860							
04/22/2010	00:00:00																	
04/23/2010	00:00:00																	
04/24/2010	00:00:00																	
04/25/2010	00:00:00																	
04/26/2010	00:00:00																	
04/27/2010	00:00:00																	
04/28/2010	00:00:00		5.83	5.83	104		21	4446	901		5650							
04/29/2010	00:00:00																	
04/30/2010	00:00:00										1.050126							
40 Min		1600	5.83	4.1875	2.52	77	41	127.75	25.5	19	6670	4718	3144	861	0.02	581	5650	1.050126
41 Max		1600	5.83	4.1875	5.83	196	41	127.75	25.5	41	6670	4718	6670	966	0.02	581	5900	1.050126
42 Average		1600	5.83	4.1875	4.1875	127.75	41	127.75	25.5	25.5	6670	4718	4718	917.75	0.02	581	5775	1.050126

Click on the corresponding Limit for that facility.





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

Average of Resi		Locatid	Param	Scalator	Units	Qual	Bell Carter																
		Acute Toxicity	Ammonia, Total (as N)	Biochemical Oxygen Demand (BOD) (5-day @ 20 Deg. C)	Chloride	Chlorine, Total Residual	Color, ADM	Electrical Conductivity @ 25 Deg. C	Flow	Iron, Total													
		Single	Daily Maximum	Monthly Average (Mean)	Single	Daily Maximum	Monthly Average (Mean)	Single	Daily Maximum	Monthly Average (Mean)	Single	Daily Maximum	Monthly Average (Mean)	Single	Daily Maximum	Monthly Average (Mean)	Instantaneous Maximum (MAX)						
		%	mg/L	b/day	mg/L	b/day	mg/L	b/day	mg/L	Counts/L	umhos/c	MGD	ug/L										
8	Sampling Date	Sampling Time																					
9	04/01/2010	00:00:00																					
10	04/02/2010	00:00:00		4.1875			127.75	25.5		4718					0.609	0.28947							
11	04/03/2010	00:00:00									0.02					0.31828							
12	04/04/2010	00:00:00														0.27086							
13	04/05/2010	00:00:00														0.27218							
14	04/06/2010	00:00:00														0.22001							
15	04/07/2010	00:00:00	1600		3.87	77			21		3144	861		5690		0.35185	6760						
16	04/08/2010	00:00:00														0.43788							
17	04/09/2010	00:00:00														0.3882							
18	04/10/2010	00:00:00														0.39135							
19	04/11/2010	00:00:00														0.33949							
20	04/12/2010	00:00:00														0.30749							
21	04/13/2010	00:00:00														0.69508							
22	04/14/2010	00:00:00			2.52	196	41		41		4612	966		581	5900	0.77411	8.9						
23	04/15/2010	00:00:00														0.57252							
24	04/16/2010	00:00:00														0.90162							
25	04/17/2010	00:00:00														1.05013							
26	04/18/2010	00:00:00														0.97883							
27	04/19/2010	00:00:00														0.7512							
28	04/20/2010	00:00:00														0.65398							
29	04/21/2010	00:00:00			4.53	134		19	6670		6670	943		5860		0.86355							
30	04/22/2010	00:00:00														0.84012							
31	04/23/2010	00:00:00														0.98053							
32	04/24/2010	00:00:00														0.84386							
33	04/25/2010	00:00:00														0.60307							
34	04/26/2010	00:00:00														0.54894							
35	04/27/2010	00:00:00														0.5579							
36	04/28/2010	00:00:00	5.83		5.83	104		21		4446	901		5650			0.60626							
37	04/29/2010	00:00:00														0.5917							
38	04/30/2010	00:00:00													1.05013	0.83842							
39																1.01528							
40	Min		1600	5.83	4.1875	2.52	77	41	127.75	25.5	19	6670	4718	3144	861	0.02	581	5650	1.05013	0.609	0.22001	6760	8.9
41	Max		1600	5.83	4.1875	5.83	196	41	127.75	25.5	41	6670	4718	6670	966	0.02	581	5900	1.05013	0.609	1.05013	6760	8.9
42	Average		1600	5.83	4.1875	4.1875	127.75	41	127.75	25.5	25.5	6670	4718	4718	917.75	0.02	581	5775	1.05013	0.609	0.60904	6760	8.9
43	Count		1	1	1	4	4	1	1	1	4	1	1	4	4	1	1	4	1	1	1	30	1
45	Limit		24	8.2		1168	150	792	100	27900						1.4	0.95						
46	# of Exceedances		0	0		0	0	0	0	0						0	0						

Cells that are highlighted red signify the result exceeded the Limit entered.

G45 fx 100											
	A	B	C	D	E	F	G	H	I	J	K
1											
2											
3	Average of Resu		Locatid	Parame	lculatun	Units	Qual				
4			Acute Toxicity			Ammonia, Total (as N)		Biochemical Oxygen Demand (BOD) (5-day @ 20 Deg. C)			
5			Single	Daily Maximum	Monthly Average (Mean)	Single	Daily Maximum	Monthly Average (Mean)		Single	Ma
6			%	mg/L			lb/day	mg/L	lb/day	mg/L	
7			=	=	=	=	=	=	=	=	=
8	Sampling Da	Sampling Tir									
9	04/01/2010	00:00:00			4.1875				127.75	25.5	
10	04/02/2010	00:00:00									
11	04/03/2010	00:00:00									
12	04/04/2010	00:00:00									
13	04/05/2010	00:00:00									
14	04/06/2010	00:00:00									
15	04/07/2010	00:00:00	1600			3.87	77				21
16	04/08/2010	00:00:00									
17	04/09/2010	00:00:00									
18	04/10/2010	00:00:00									
19	04/11/2010	00:00:00									
20	04/12/2010	00:00:00									
21	04/13/2010	00:00:00									
22	04/14/2010	00:00:00				2.52	196	41			41
23	04/15/2010	00:00:00									
24	04/16/2010	00:00:00									
25	04/17/2010	00:00:00									
26	04/18/2010	00:00:00									
27	04/19/2010	00:00:00									
28	04/20/2010	00:00:00									
29	04/21/2010	00:00:00				4.53	134				19
30	04/22/2010	00:00:00									
31	04/23/2010	00:00:00									
32	04/24/2010	00:00:00									
33	04/25/2010	00:00:00									
34	04/26/2010	00:00:00									
35	04/27/2010	00:00:00									
36	04/28/2010	00:00:00		5.83		5.83	104				21
37	04/29/2010	00:00:00									
38	04/30/2010	00:00:00									
39											
40	Min		1600	5.83	4.1875	2.52	77	41	127.75	25.5	19
41	Max		1600	5.83	4.1875	5.83	196	41	127.75	25.5	41
42	Average		1600	5.83	4.1875	4.1875	127.75	41	127.75	25.5	25.5
43	Count		1	1	1	4	4	1	1	1	4
44											
45	Limit			24	8.2		100	150	792	100	
46	# of Exceedances			0	0		3	0	0	0	
47											