Facility Name	Targa Mont Belvi	eu		
NPDES Permit Number	TX0002887		Outfall Number	001
Proposed Critical Dilution*	8	_	_	

\*Critical Dilution in draft permit, do not use % sign.

Enter data in yellow shaded cells only. Fifty percent should be entered as 50, not 50%.

Test Data				_ J CLO II SHUCE	_ componij. F	nty percent shoul		
Data (mm/sauay)	Lathal NOEC	VERTEBRATE Sublethal NOEC	Lethal TU	Sublethal TII	INVERTEBRATE  Lethal NOEC Sublethal NOEC Lethal TU Sublethal T			Sublethal TU
Date (mm/yyyy)  Jun-13	53	53		1.89	Letilal NOEC		2.50	
Sep-13	53	53	1.89	1.89	23	17	4.35	5.88
Dec-13	53	53	1.89	1.89	53	53	1.89	1.89
Dec-13	53	53	1.89	1.89	40	23	2.50	4.35
Mar-14	53	53	1.89	1.89	30	30	3.33	3.33
Jun-14	53	53	1.89	1.89	30	17	3.33	5.88
Jun-14	53	53	1.89	1.89	53	53	1.89	1.89
Sep-14	53	53	1.89	1.89	40	40	2.50	2.50
Sep-14	53	53	1.89	1.89	17	17	5.88	5.88
Dec-14	53	40	1.89	2.50	17	17	5.88	5.88
Dec-14	30	23	3.33	4.35	17	17	5.88	5.88
Mar-15	23	17	4.35	5.88	23	23	4.35	4.35
Jun-15	53	53	1.89	1.89	23	23	4.35	
Sep-15 Dec-15	53 53	53 53	1.89 1.89	1.89 1.89	53	40 53	2.50 1.89	2.50 1.89
Mar-16	11			9.09	11	11	9.09	9.09
Jun-16	11			9.09	11	11	9.09	
Sep-16	11	11		9.09	11	11	9.09	9.09
Dec-16	11	11		9.09	11	11	9.09	9.09
Mar-17	11			9.09	11	11	9.09	9.09
Jun-17	11	11	9.09	9.09	11	11	9.09	9.09
Sep-17	11	11	9.09	9.09	11	11	9.09	9.09
Dec-17	11	11	9.09	9.09	11	11	9.09	9.09
Mar-18	11	11	9.09	9.09	11	11	9.09	9.09
Jun-18								
								<del>                                     </del>
	11	11	9.09	9.09	. 11	11	9.09	9.09
ount			24	24			24	
Iean			4.751	4.883			5.618	
td. Dev.			3.479	3.452			2.983	2.862
CV			0.7	0.7	ļ		0.5	0.5
PMF			1.4	1.4	I		1.3	1.3
.1 1411		10.5		e Potential A	ccentance C	'riteria	1.3	1.3
Zamtahmata I a	thal						WET mon	tomina hut no l
/ertebrate Le	unai	1.018	no keaso	madie Poten	uai exists. F	eriiii requires	WEI MON	toring, but no
ertebrate Su	blethal	1.018	No Reaso	onable Poten	tial exists. F	Permit requires	WET moni	toring, but no
nvertebrate L	_ethal	0.945	No Reaso	onable Poten	tial exists. F	Permit requires	WET moni	toring, but no
nvertebrate S	Sublethal	0.945454545	No Reaso	onable Poten	tial exists. F	Permit requires	WET moni	toring, but no

Facility Name NPDES Permit Number	Targa M TX00023	eu		Outfall Number	r 001	
Proposed Critical Dilution*	8		_			,
	*Critical Dilution in draft permit, do not use % sign.					
m . m .		Enter data in	n yellow shade	d cells only. Fi	fty percent should be entered	l as 50, not 50%.
Test Data						
	VERTEBRATE				INVERTEBRATE	
Date (mm/yyyy) Lethal NOEC	Sublethal NOEC	Lethal TU	Sublethal TU	Lethal NOEC	Sublethal NOEC Lethal TU	Sublethal TU

## Determining "Reasonable Potential" for Excursions Above Ambient Criteria Using Effluent Data Only

EPA recommends finding that a permittee has "reasonable potential" to exceed a receiving water quality standard if it cannot be demonstrated with a high confidence level that the upper bound of the lognormal distribution of effluent concentrations is below the receiving water criteria at specified low-flow conditions.

- **Step 1** Determine the number of total observations ("n") for a particular set of effluent data (concentration or toxic units [TUs]), and determine the highest value from that data set.
- Step 2 Determine the coefficient of variation for the data set. For a data set where n<10, the coefficient of variation (CV) is estimated to equal 0.6, or the CV is calculated from data obtained from a discharger. For a data set where n>0, the CV is calculate as standard deviation/mean. For less than 10 items of data, the uncertainty in the CV is too large to calculate a standard deviation or mean with sufficient confidence.
- **Step 3** Determine the appropriate ratio from the table below.
- **Step 4** Multiply the highest value from a data set by the value from the table below. Use this value with the appropriate dilution to project a maximum receiving water concentration (RWC).
- Step 5 Compare the projected maximum RWC to the applicable standard (criteria maximum concentration, criteria continuous concentration [CCC], or reference ambient concentration). EPA recommends that permitting authorities find reasonable potential when the projected RWC is greater than an ambient criterion.

# Determining "Reasonable Potential" for Excursions Above Ambient Criteria Using Effluent Data Only

EPA recommends finding that a permittee has "reasonable potential" to exceed a receiving water