Reasonable Potential Analyzer

Facility Name: Central New Mexico Correctional Facility

NPDES Permit Number: NM0028851

Outfall Number: 001

Proposed Critical Dilution*: 16

APPENDIX 1

***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

	VERTEBRATE				INVERTEBRATE			
Date (mm/yyyy)	Lethal NOEC	Sublethal NOEC	Lethal TU	Sublethal TU	Lethal NOEC	Sublethal NOEC	Lethal TU	Sublethal TU
Jul-05	21	21	4.76	4.76	21	21	4.76	4.76
Jul-06	21	21	4.76	4.76	21	21	4.76	4.76
Jan-07	21	21	4.76	4.76	21	21	4.76	4.76
Jul-07	21	21	4.76	4.76	21	21	4.76	4.76
Jan-08	21	21	4.76	4.76	21	16	4.76	6.25
Jul-08	21	21	4.76	4.76	21	21	4.76	4.76
Oct-08	12	12	8.33	8.33	21	21	4.76	4.76
Mar-09	7	7	14.29	14.29	7	7	14.29	14.29
Jun-09	21	21	4.76	4.76	21	21	4.76	4.76
Jun-09	21	21	4.76	4.76	21	21	4.76	4.76
Jun-09	7	7	14.29	14.29	7	7	14.29	14.29
	7	7	14.29	14.29	7	7	14.29	14.29
Count			11	11			11	11
Mean			6.818	6.818			6.494	6.629
Std. Dev.			3.843	3.843			3.853	3.812
CV			0.6	0.6			0.6	0.6
RPMF			1.7	1.7			1.7	1.7

	6.25	Reasonable Potential Acceptance Criteria
Vertebrate Lethal	3.886	No Reasonable Potential exists. Permit requires WET monitoring, but no WET limit.
Vertebrate Sublethal	3.886	No Reasonable Potential exists. Permit requires WET monitoring, but no WET limit.
Invertebrate Lethal	3.886	No Reasonable Potential exists. Permit requires WET monitoring, but no WET limit.
Invertebrate Sublethal	3.885714286	No Reasonable Potential exists. Permit requires WET monitoring, but no WET limit.