

Fact Sheet Appendix 5 RP Analyzer

Facility Name **ABCWUA Southside POTW**
 NPDES Permit Number **NM0022250**
 Proposed Critical Dilution* **61**

Outfall Number **001**

*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

Date (mm/yyyy)	VERTEBRATE				INVERTEBRATE			
	Lethal NOEC	Sublethal NOEC	Lethal TU	Sublethal TU	Lethal NOEC	Sublethal NOEC	Lethal TU	Sublethal TU
Mar-05	100	100	1.00	1.00	100	57	1.00	1.75
Nov-05	39	39	2.56	2.56	39	39	2.56	2.56
Feb-06	39	39	2.56	2.56	22	39	4.55	2.56
Jun-06	39	39	2.56	2.56	39	22	2.56	4.55
Aug-06	39	39	2.56	2.56	22	39	4.55	2.56
Nov-06	92	92	1.09	1.09	92	92	1.09	1.09
Feb-07	92	92	1.09	1.09	92	92	1.09	1.09
May-07	92	92	1.09	1.09	92	92	1.09	1.09
Aug-07	92	92	1.09	1.09	92	92	1.09	1.09
Feb-08	92	29	1.09	3.45	92	69	1.09	1.45
Apr-08	92	29	1.09	3.45	92	69	1.09	1.45
Jul-08	12	16	8.33	6.25	29	39	3.45	2.56
Jan-09	29	39	3.45	2.56	39	39	2.56	2.56
Apr-09	22	29	4.55	3.45	39	39	2.56	2.56
May-09	39	39	2.56	2.56	39	29	2.56	3.45
Jun-09	39	39	2.56	2.56	39	39	2.56	2.56
Sep-09	92	92	1.09	1.09	92	92	1.09	1.09
Oct-09	92	92	1.09	1.09	92	92	1.09	1.09
Nov-09	92	92	1.09	1.09	92	92	1.09	1.09

Count	12	16	8.33	6.25	22	22	4.55	4.55
Mean			19	19			19	19
Std. Dev.			2.237	2.271			2.037	2.011
CV			1.796	1.334			1.189	0.980
			0.8	0.6			0.6	0.5

RPMF			1.5	1.4			1.4	1.3
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- Vertebrate Lethal

1.639
7.625

 Reasonable Potential Acceptance Criteria
- Vertebrate Sublethal

5.338

 Reasonable Potential exists, Permit requires WET monitoring and WET limit.
- Invertebrate Lethal

3.882

 Reasonable Potential exists, Permit requires WET monitoring and WET limit.
- Invertebrate Sublethal

3.604545455

 Reasonable Potential exists, Permit requires WET monitoring and WET limit.