





R4 only Ammonia Winter Receiving and Projected Limits											
Date	Station	Temp <sup>1</sup>	pH <sup>2</sup>	Salinity	I	pKas	Ammonia	1/2 Ammonia for ND		MDEL	
										AMEL	0.740539
										MDEL	1.781730
Nov-11	R4	15.3	7.89	1.3	0.025939383	9.248009	0.1	0.1			
Dec-11	R4	10.9	7.77	1.7	0.033934393	9.248936	0.1	0.1			
Jan-12	R4	12.63	7.74	1.9	0.037934313	9.2494	0.1	0.1			
Feb-12	R4	13.8	7.62	2.1	0.041935845	9.249865	0.1	0.1			
Mar-12	R4	16.31	7.7	1.4	0.027937532	9.248241	0.1	0.1			
Apr-12	R4	19.33	7.92	2.4	0.047941167	9.250561	0.5	0.5			
Nov-12	R4	16.59	7.9	1.3	0.025939383	9.248009	0.1	0.1			
Dec-12	R4	14.645	8.1125	1.9	0.037934313	9.2494	0.2	0.2			
Jan-13	R4	10.9025	8.66	1.95	0.038934545	9.249516	,1	0.05			
Feb-13	R2										
Feb-13	R3	13.6425	8.825	1.65	0.032934665	9.24882	,1	0.05			
Feb-13	R4	13.7875	8.57	1.6	0.031935037	9.248704	,1	0.05			
Mar-13	R4	16.0725	8.525	1.45	0.028936758	9.248357	,1	0.05			
Apr-13	R4	18.82	8.2225	1.325	0.026438883	9.248067	0.2	0.2			
									Conc.	LTA	
Max		19.33	8.825	2.4				0.5	1.78173	0.401957	
Mini		10.9	7.62	1.3				0.05	1.651348	0.670247	
STDEV		2.519536	0.39218	0.33014252				0.116913		MDEL	1.781730
Avg		14.82538	8.111923	1.69038462				0.130769		AMEL	0.740539
CV		0.169947	0.048346	0.19530615				0.89404			
90%		18.374	8.642	2.07	0.041335513	9.249795	1.78173				1-hour EPA Objective (expressed as total
50%		14.645	7.92	1.65	0.032934665	9.24882	1.651348				4-day EPA Objective (expressed as total a
					ECA Multiplier 1-HR 99%			0.225599			
					ECA Multiplier 4-Day 95%			0.405879			
					MDEL Multiplier 99%			4.432641			
					AMEL Multiplier 95%			1.842336			