

**Sensitivity of STA Performance to Settling Rate & Target Concentration**  
**BMP Performance: 25% (ECP Design) 1965-1995**  
**Comparison of 50Base and Alternative-D13R**  
**Combined Outflows from All Stormwater Treatment Areas**

	<b>WCA-2A</b>				
	<b>STA Design</b>	<b>Low Est.</b>	<b>Water Col.</b>	<b>&lt;----- ENR Project -----&gt;</b>	
<b><u>Ke (m/yr)</u></b>	<b><u>10.2</u></b>	<b><u>8.0</u></b>	<b><u>12.0</u></b>	<b><u>15.0</u></b>	<b><u>20.0</u></b>

**STA Outflow Concentrations for ECP Treatment Areas (ppb)**

ALT-D13R	56	68	48	38	26
50Base	61	74	53	41	27
Difference	-5	-7	-4	-3	-2
%Difference	-8.3%	-8.8%	-7.8%	-7.1%	-5.9%

**Treatment Areas (acres) to Achieve**

**30 ppb**

ALT-D13R	67673	87934	56944	45045	33413
50Base	70736	91798	59561	47150	34999
Difference	-3063	-3864	-2617	-2105	-1586
%Difference	-4.3%	-4.2%	-4.4%	-4.5%	-4.5%

**Treatment Areas (acres) to Achieve**

**20 ppb**

ALT-D13R	87856	114937	73674	58066	42922
50Base	89987	117539	75524	59579	44079
Difference	-2131	-2601	-1850	-1513	-1157
%Difference	-2.4%	-2.2%	-2.4%	-2.5%	-2.6%

**Treatment Areas (acres) to Achieve**

**10 ppb**

ALT-D13R	128024	172283	105995	82477	60279
50Base	128390	172391	106420	82912	60669
Difference	-366	-108	-425	-434	-390
%Difference	-0.3%	-0.1%	-0.4%	-0.5%	-0.6%

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