

# KUIS DRAIN PROJECT



DATE	Site 1				Site 2				Site 3				Site 4			
	NO3	NH3	TP	F.C.	NO3	NH3	TP	F.C.	NO3	NH3	TP	F.C.	NO3	NH3	TP	F.C.
5-31-05	<0.02	<0.03	0.03	>200	0.37	<0.03	0.05	87	1.43	<0.03	0.06	>200	0.826	<0.03	0.07	>200
6-02-05				1470				210				450				260
6-07-05	0.01	0.04	0.05	157	0.29	<0.03	0.05	220	1.21	<0.03	0.07	380	0.67	<0.03	0.06	360
6-14-05	0.16	0.26	0.17	260	0.26	0.05	0.09	97	1.3	<0.03	0.08	410	0.631	<0.03	0.07	340
6-21-05	0.18	0.14	0.19	340	0.32	0.05	0.06	>600	1.37	<0.03	0.09	614	0.76	<0.03	0.09	455
6-28-05	0.21	0.22	0.18	380	0.18	<0.03	0.07	490	1.21	<0.03	0.07	1500	0.552	<0.03	0.05	370

Units: NO3, NH3 & TP are ppm and F.C. is CFUs/100 mL.

### Standards/guidelines (those highlighted are exceedances)

NO3 (nitrate) guideline for surface water = <1 ppm

NO3 (nitrate) standard for drinking water = 10 ppm

NH3 (ammonia) typical in polluted water is = 0.10; >0.20 can be toxic for some aquatic animals

TP (Total Phosphorus) concentrations > 0.02ppm are indicative of eutrophic (TP rich) state

F.C. (Fecal Coliform) counts >200 exceed the MDEQ safe body contact standard