

Estimate of discharge from Weir #2
 CKD Landfill #1 Site Investigation Report
 March 2, 1998
 Klint Cowan, Bonner for GEC

Date	Discharge (gpm)	Date	Discharge (gpm)
19-Aug-92	3.19	25-Jul-95	2.54
27-Aug-92	5.57	09-Aug-95	5.51
15-Sep-92	7.61	29-Aug-95	3.15
20-Sep-92	7.61	15-Sep-95	2
16-Oct-92	5.11	25-Sep-95	5.51
03-Nov-92	3.89	29-Sep-95	0.82
17-Nov-92	5.11	11-Oct-95	1.14
07-Dec-92	18.02	15-Nov-95	3.15
15-Dec-92	8.78	06-Dec-95	4.63
15-Jan-93	12.91	08-Dec-95	NM
03-Feb-93	19.96	21-Dec-95	6.47
12-Feb-93	14.5	16-Jan-96	8.69
12-Mar-93	26.5	06-Feb-96	NM
26-Mar-93	22.02		
12-Apr-93	49.67		
26-Apr-93	178.11		
07-May-93	16.2		
24-May-93	77.44		
11-Jun-93	5.57		
30-Jun-93	96.73		
15-Jul-93	6.54		
30-Jul-93	1.55		
12-Aug-93	0.36		
27-Aug-93	1.35		
16-Sep-93	0.9		
01-Oct-93	1.54		
14-Oct-93	1.14		
26-Oct-93	2.54		
17-Nov-93	67.32		
21-Dec-93	15.88		
21-Jan-94	Frozen		
21-Feb-94	23.93		
21-Mar-94	22.31		
20-Apr-94	23.2		
16-May-94	13.81		
21-Jun-94	3.85		
22-Jul-94	4.1		
17-Aug-94	0.35		
14-Sep-94	1.14		
20-Oct-94	0.56		
17-Nov-94	1.27		
21-Dec-94	0.97		
18-Jan-95	Dry		
15-Feb-95	Frozen		
13-Mar-95	NA		
19-Apr-95	3.15		
15-May-95	1.33		
13-Jun-95	9.94		
12-Jul-95	2.54		
Calculations			
Estimated Mean = 8 gpm (See Attached)			
Yearly			
8 gpm * 1440 min/day * 365 day/year = 4,200,000 gal/year			
1987-1997			
4,200,000 gal/year * 10 years = 42,000,000 gallons			
1992-1997			
4,200,000 gal/year * 6 years = 25,000,000 gallons			

Descriptive Statistics of Discharge Data				Discharge (gpm)
				49.67
Mean	8.078462			26.5
Standard Error	1.295347			23.93
Median	4.87			23.2
Mode	1.14			22.31
Standard Deviation	9.340882			22.02
Variance	87.25208			19.96
Kurtosis	6.62509			18.02
Skewness	2.225356			16.2
Range	49.32			15.88
Minimum	0.35			14.5
Maximum	49.67			13.81
Sum	420.08			12.91
Count	52			9.94
Confidence Level(0.950000)	2.538834			8.78
				8.69
				7.61
NOTE:				7.61
Highest and lowest 4 values were removed before calculating				6.54
				6.47
				5.57
				5.57
				5.51
				5.51
				5.11
				5.11
				4.63
				4.1
				3.89
				3.85
				3.19
				3.15
				3.15
				3.15
				2.54
				2.54
				2.54
				2
				1.55
				1.54
				1.35
				1.33
				1.27
				1.14
				1.14
				1.14
				0.97
				0.9
				0.82
				0.56
				0.36
				0.35

Discharge and pH at Wier 2 CKD Landfill No.1

