

Table 3-1

Seneca Meadows, Inc.
 Landfill Expansion DGEIS
 Black Brook Surface Water Sampling Data for 2004 (1st Quarter)

PARAMETER	UNITS	UPGRADIENT		DOWNGRADIENT			
		Flow Wt. Avg.	Q	SW-003	Q	SW-011	Q
Dissolved Oxygen	mg/L	10.8		14.61		11.21	
ORP	mv	-86.0		-75		-103	
pH	pH units	8.6		8.31		8.76	
Spec. Conductance	umhos/cm	571		480		402	
Turbidity	NTU	5.9		6.23		7.15	
Temperature	deg C	3.1		2.3		1.6	
BOD	mg/L	4.0	U	4.0	U	4.0	U
Color	color units	117		180		150	
Hex-Chromium	mg/L	0.01	U	0.01	U	0.01	U
Nitrate	mg/L	1.3		1.0		1.0	
Alkalinity	mg/L	209		190		180	
Chloride	mg/L	67.5		72		73	
COD	mg/L	40.4		47		44	
Ammonia	mg/L	0.5	U	0.9		0.5	U
Sulfate	mg/L	386		260		240	
Total Cyanide	mg/L	0.01	U	0.01	U	0.01	U
TDS	mg/L	772		610		660	
TKN	mg/L	0.7		0.9		0.8	
TOC	mg/L	16.9		20.0		18.0	
Total Phenols	mg/L	0.005	U	0.005	U	0.005	U
TSS	mg/L	2.3		19		15	
Bromide	mg/L	2.0	U	2.0	U	2.0	U
Aluminum	ug/l	133		398		216	
Antimony	ug/l	15.0	U	15.0	U	15.0	U
Arsenic	ug/l	10.0	U	10.0	U	10.0	U
Barium	ug/l	58.0		50.0	U	50.0	U
Beryllium	ug/l	3.0	U	3.0	U	3.0	U
Cadmium	ug/l	5.0	U	5.0	U	5.0	U
Calcium	ug/l	135250		113000		114000	
Chromium	ug/l	5.0	U	5.0	U	5.0	U
Cobalt	ug/l	20.0	U	20.0	U	20.0	U
Copper	ug/l	14	B	18.2	B	12.1	B
Iron	ug/l	261		654		412	
Lead	ug/l	3.0	U	3.0	U	3.0	U
Magnesium	ug/l	26954		23700		24000	
Manganese	ug/l	80.9		129		111	
Mercury	ug/l	0.20	U	0.20	U	0.20	U
Nickel	ug/l	30.0	U	30.0	U	30.0	U
Potassium	ug/l	3221	B	3720	B	3740	B
Selenium	ug/l	5.0	UJ	5.0	UJ	5.0	UJ
Silver	ug/l	10.0	U	10.0	U	10.0	U
Sodium	ug/l	31096		31400		31900	
Thallium	ug/l	10.0	UJ	10.0	UJ	10.0	UJ
Vanadium	ug/l	30.0	U	30.0	U	30.0	U
Zinc	ug/l	38.2		54.7		31.6	
Cyanide	ug/l	10.0	U	10.0	U	10.0	U

U indicates a non-detect result at the concentration shown.

UJ indicates an estimated non-detect result

B indicates a detected value less than the contract required detection limit (CRDL)

Table 3-1

Seneca Meadows, Inc.
Landfill Expansion DGEIS
Black Brook Surface Sampling Data for 2004 (2nd Quarter)

PARAMETER	UNITS	UPGRADIENT		DOWNGRADIENT			
		Flow Wt. Avg.	Q	SW-003	Q	SW-011	Q
Dissolved Oxygen	mg/L	11.3		12.21		12.16	
ORP	mv	-86.0		-90		-73	
pH	pH units	8.4		8.44		8.15	
Spec. Conductance	umhos/cm	308		422		394	
Turbidity	NTU	3.2		2.12		2.99	
Temperature	deg C	9.6		9.3		10.7	
BOD	mg/L	4	U	4	U	4	U
Nitrate	mg/L	0.2	U	0.2	U	0.2	U
Alkalinity	mg/L	101		120		120	
Chloride	mg/L	42.2		62		62	
COD	mg/L	79.8		65		62	
Ammonia	mg/L	1.5		1.6		0.5	U
Sulfate	mg/L	69		110		92	
TDS	mg/L	449		450		570	
TKN	mg/L	1.4		1.7		1.9	
TOC	mg/L	24.2		21		20	
Total Phenols	mg/L	0.005	U	0.005	U	0.005	U
TSS	mg/L	4.5		1		18	
Bromide	mg/L	0.2	U	0.2	U	0.2	U
Cadmium	ug/l	5.0	U	5.0	U	5.0	U
Calcium	ug/l	43541		57200		57700	
Iron	ug/l	390		318		331	
Lead	ug/l	4.3	U	3.0	U	3.0	U
Magnesium	ug/l	10951		13400		13600	
Manganese	ug/l	23.6		16.4		16.4	
Potassium	ug/l	2490		3860		2630	
Sodium	ug/l	17121		29000		28700	

U indicates a non-detect result at the concentration shown.

Table 3-1

Seneca Meadows, Inc.
Landfill Expansion DGEIS
Black Brook Surface Water Sampling Data for 2004 (3rd Quarter)

PARAMETER	UNITS	UPGRADIENT		DOWNGRADIENT					
		Flow Wt. Avg.	Q	SW-003	Q	SW-003 dup	Q	SW-011	Q
Conductivity	umhos/cm	636		642				639	
Dissolved Oxygen	mg/L	8.57		8.73				9.04	
Eh	mV	-60		-73				-72	
pH	pH units	7.66		7.89				7.87	
Temperature	deg C	18.1		20.1				21.1	
Turbidity	NTU	2.87		5.74				7.72	
Bromide	mg/L	0.2	U	0.2	U	0.2	U	0.2	U
Color	color units	40		30		30		30	
TDS	mg/L	445		385		418		405	
TSS	mg/L	16.1		25.0		22		8.0	
Alkalinity	mg/L	160		130		130		130	
Chloride	mg/L	28.8		42.4		41.9		49	
Ammonia	mg/L	0.5	U	0.5	U	0.5	U	0.5	U
TKN	mg/L	0.5	U	0.632		0.5	U	1.11	
Nitrate	mg/L	0.2	U	0.20	U	0.2	U	0.2	U
Sulfate	mg/L	115		276		199		101	
BOD	mg/L	8		7.0		4	U	4	U
COD	mg/L	23.0		20.0	U	20.0		20.0	U
TOC	mg/L	11.0		13		12		14.0	
Total Phenols	mg/L	0.005	U	0.005	U	0.006		0.005	U
Hex-Chromium	mg/L	0.01	U	0.01	U	0.01	U	0.01	U
Aluminum	ug/L	123		176		168		231	
Antimony	ug/l	20.2	J	25.1	J	17.1	J	21.9	J
Arsenic	ug/l	10.0	R	10.0	R	10	R	10.0	R
Barium	ug/l	50.0		50.0	U	50	U	50.0	U
Beryllium	ug/l	3.0	U	3.0	U	3.0	U	3.0	U
Cadmium	ug/l	5.0	U	5.0	U	5.0	U	5.0	U
Calcium	ug/l	74887		72500		68000		75400	
Chromium	ug/l	5.0	U	5.0	U	5.0	U	5.0	U
Cobalt	ug/l	20.0	U	20.0	U	20.0	U	20.0	U
Copper	ug/l	47.4	J	39.1	U	42.2	J	39.0	J
Iron	ug/l	389		377		317		448	
Lead	ug/l	3.2		7.0		4.3		5.4	
Magnesium	ug/l	15399		19500		18300		19100	
Manganese	ug/l	36.2		45.8		41.6		39.1	
Mercury	ug/l	0.2	U	0.2	U	0.2	U	0.2	U
Nickel	ug/l	30.0	U	30.0	U	30.0	U	30.0	U
Potassium	ug/l	2381		3370		3110		3310	
Selenium	ug/l	5.0		5.0	U	5.0	U	5.0	U
Silver	ug/l	10.0	U	10.0	U	10	U	10.0	U
Sodium	ug/l	40272		30800		29100		34000	
Thallium	ug/l	10.0	U	10.0	U	10.0	U	10.0	U
Vanadium	ug/l	30.0	U	30.0	U	30.0	U	30.0	U
Zinc	ug/l	70.4	J	78.2	J	77.2	J	98.9	J
Cyanide	ug/l	10.0	U	10.0	U	10.0	U	10.0	U

U indicates a non-detect result at the concentration shown.

J indicates an estimated result

R indicates a rejected result

Table 3-1

Seneca Meadows, Inc.
 Landfill Expansion DGEIS
 Black Brook Surface Water Sampling Data for 2004 (4th Quarter)

PARAMETER	UNITS	UPSTREAM						DOWNSTREAM			
		SW-001	Q	SW-001 dup	Q	SW-002	Q	SW-003	Q	SW-011	Q
Conductivity	umhos/cm	1372				570		676		658	
Dissolved Oxygen	mg/L	9.21				9.8		9.42		9.31	
Eh	mV	-65				-56.0		-63		-67	
pH	pH units	8.22				8		8.06		8.15	
Temperature	Deg C	8.1				10.8		15.3		13.8	
Turbidity	NTU	5.61				40.9		17.6		15.5	
Bromide	mg/L	0.2	U	2.0	U	2.0	U	0.2		0.2	U
TDS	mg/L	1200		1080		357		452		462	
TSS	mg/L	8		9		24		12		9	
Alkalinity	mg/L	370		490		290		210		150	
Chloride	mg/L	46.2		42.9		28.6		32.2		33.9	
Ammonia	mg/L	0.5	U	0.5	U	2.8		0.5	U	0.5	U
TKN	mg/L	1.42		0.632		2.37		2.69		0.948	
Nitrate	mg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Sulfate	mg/L	773		780		13.0		229		330	
BOD	mg/L	4	U	4	U	5.0		4	U	4	U
COD	mg/L	20	U	20	U	66		20	U	20	U
TOC	mg/L	9.0		9.0		41.0		5.0		4.8	
Total Phenolics	mg/L	0.005	U	0.005	U	0.005	U	0.005	U	0.009	
Cadmium	mg/L	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Calcium	mg/L	254		255		64.5		79.7		94.0	
Iron	mg/L	0.458		2.380		3.750		0.751		0.982	
Lead	mg/L	0.003	U	0.004		0.003	U	0.003	U	0.004	
Magnesium	mg/L	49.7		49.9		15.3		24.5		28.5	
Manganese	mg/L	0.309		0.320		2.580		0.030		0.040	
Potassium	mg/L	3.54		3.94		5.61		3.60		5.01	
Sodium	mg/L	22.3		22.3		16.7		16.7		19.7	

U indicates a non-detect result at the concentration shown.