

Appendix 5.1

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**Groundwater  
Monitoring Data for  
Existing NENT Landfill  
from January 2005 to  
March 2006**

Site Name  
NENT Landfill

Location	Date	Time	Sampling Technician	Sampling device used	Weather	*Water Level, m	@Water level, mPD	Purge vol., l	Sample appearance	Sample temp., °C	Air temp., °C	pH	E.C., µS/cm	S.S., mg/l	COD, mg/l	BOD, mg/l	SO <sub>3</sub> <sup>-2</sup> , mg/l	SO <sub>4</sub> <sup>-2</sup> , mg/l	PO <sub>4</sub> <sup>-3</sup> , mg/l	NH <sub>3</sub> , mg/l	NO <sub>3</sub> <sup>-</sup> , mg/l	TKN, mg/l	Total Coll., cfu/100ml
BHA1	1/24/05	14:14	VH / SING	Pump	Fine	6.82	29.62	5.0	Clear	25.1	24.0	7.5	232	30	<2	3	<2	15	0.02	0.80	1.17	0.8	<1
BHA2	1/24/05	10:00	VH / SING	Pump	Fine	22.16	45.56	6.0	Clear	24.3	20.0	7.9	135	<3	<2	<2	<2	5	0.04	0.05	0.02	<0.1	<1
BHA3	1/24/05	10:14	VH / SING	Pump	Fine	20.59	45.05	5.0	S.S. present	24.5	19.0	7.0	129	29	<2	<2	<2	6	0.04	0.06	0.04	<0.1	<1
BHA4	1/24/05	14:24	VH / SING	Pump	Fine	16.76	37.54	5.0	Clear	24.4	25.0	7.1	717	<3	<2	<2	<2	81	0.01	0.02	<0.01	0.1	<1
BHA5	1/24/05	14:47	VH / SING	Pump	Fine	13.79	38.03	6.0	Clear	23.9	24.0	6.2	153	3	<2	<2	<2	6	0.03	0.02	0.13	<0.1	<1
BHA6	1/24/05	10:30	VH / SING	Pump	Fine	22.27	57.85	5.0	Clear	24.0	19.0	7.7	238	<3	<2	<2	<2	3	0.01	0.01	<0.01	<0.1	<1
BHA7	1/24/05	10:42	VH / SING	Pump	Fine	32.31	60.86	5.0	S.S. present	24.5	19.0	6.3	66	4	<2	<2	<2	20	0.03	<0.01	0.11	<0.1	<1
BHA8	1/24/05	11:19	VH / SING	Pump	Fine	34.37	63.29	5.0	Clear	25.4	22.5	7.7	174	20	<2	<2	<2	19	0.02	<0.01	<0.01	<0.1	<1
BHA9	1/24/05	11:48	VH / SING	Pump	Fine	28.52	62.02	6.0	Clear	24.0	21.0	6.5	261	33	<2	<2	<2	28	0.03	0.01	0.37	<0.1	<1
BHA10	1/26/05	11:23	VH / SING	-	Cloudy	42.85	105.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA11	1/26/05	11:18	VH / SING	-	Cloudy	30.02	128.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB12	1/26/05	11:15	VH / SING	-	Cloudy	26.32	133.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB13	1/26/05	11:09	VH / SING	-	Cloudy	14.46	131.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB14	1/26/05	11:05	VH / SING	-	Cloudy	15.27	132.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB15	1/26/05	11:03	VH / SING	-	Cloudy	27.33	131.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB17	1/26/05	10:53	VH / SING	-	Cloudy	34.32	188.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB18	1/26/05	10:47	VH / SING	-	Cloudy	38.65	190.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB19	1/26/05	10:44	VH / SING	-	Cloudy	23.66	204.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB20	1/26/05	10:39	VH / SING	-	Cloudy	45.20	191.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB21	1/26/05	10:35	VH / SING	-	Cloudy	34.27	195.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB22	1/26/05	10:31	VH / SING	-	Cloudy	33.90	182.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB23	1/26/05	10:25	VH / SING	-	Cloudy	31.55	160.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB24	1/26/05	10:20	VH / SING	-	Cloudy	26.80	130.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB25	1/26/05	10:16	VH / SING	-	Cloudy	31.44	103.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB26	1/26/05	10:11	VH / SING	-	Cloudy	22.09	105.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB27	1/26/05	10:06	VH / SING	-	Cloudy	17.00	104.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA28	1/26/05	10:02	VH / SING	-	Cloudy	30.27	84.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA29	1/26/05	09:54	VH / SING	-	Cloudy	30.52	69.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA30	1/24/05	15:08	VH / SING	Pump	Fine	8.34	35.38	5.0	Clear	25.6	24.5	7.6	381	<3	<2	<2	<2	21	0.01	0.04	0.02	<0.1	<1
BHC31	1/24/05	15:24	VH / SING	Bailer	Fine	-	-	5.0	S.S. present	23.1	24.0	6.2	36	171	8	<2	<2	<1	0.03	0.05	0.02	0.3	<1

\*Water level, refer to ground. @Water level, refer to Principal Datum, m

BHA and BHC were analyzed by Accutest, Inc. according to the procedure on-site (EPA)

Table 4.4

NENT Landfill  
Groundwater Monitoring Results  
February 2005

Site Name NENT Landfill

Location	Date	Time	Sampling Technician	Sampling device used	Weather	"Water Level, m	@Water level, mPD	Purge vol., l	Sample appearance	Sample temp., °C	Air temp., °C	pH	E.C., µS/cm	S.S., mg/l	COD, mg/l	BOD, mg/l	SO <sub>3</sub> <sup>-2</sup> , mg/l	SO <sub>4</sub> <sup>-2</sup> , mg/l	PO <sub>4</sub> <sup>-3</sup> , mg/l	NH <sub>3</sub> , mg/l	NO <sub>3</sub> <sup>-</sup> , mg/l	TKN, mg/l	Total Coli., cfu/100ml			
BHA1	2/22/05	13:29	VH / SING	-	Rainy	6.93	29.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BHA2	2/22/05	14:15	VH / SING	-	Rainy	22.47	45.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BHA3	2/22/05	14:19	VH / SING	-	Rainy	20.71	44.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BHA4	2/22/05	13:33	VH / SING	-	Rainy	13.99	40.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BHA5	2/22/05	13:37	VH / SING	-	Rainy	13.89	37.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BHA6	2/22/05	14:05	VH / SING	-	Rainy	22.62	57.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BHA7	2/22/05	14:08	VH / SING	-	Rainy	33.01	60.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BHA8	2/22/05	13:45	VH / SING	-	Rainy	34.77	62.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BHA9	2/22/05	13:51	VH / SING	-	Rainy	29.02	61.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BHA10	2/21/05	15:38	VH / SING	-	Cloudy	43.42	105.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BHA11	2/21/05	15:33	VH / SING	-	Cloudy	30.21	128.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BHB12	2/21/05	15:30	VH / SING	-	Cloudy	26.58	133.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BHB13	2/21/05	15:23	VH / SING	-	Cloudy	14.73	131.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BHB14	2/21/05	15:19	VH / SING	-	Cloudy	15.44	132.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BHB15	2/21/05	15:15	VH / SING	-	Cloudy	27.58	131.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BHB17	2/21/05	15:05	VH / SING	-	Cloudy	34.63	188.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BHB18	2/21/05	14:59	VH / SING	-	Cloudy	38.95	190.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BHB19	2/21/05	14:54	VH / SING	-	Cloudy	23.91	204.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BHB20	2/21/05	14:49	VH / SING	-	Cloudy	45.34	191.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BHB21	2/21/05	14:44	VH / SING	-	Cloudy	34.72	194.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BHB22	2/21/05	14:40	VH / SING	-	Cloudy	34.36	182.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BHB23	2/16/05	13:45	VH / SING	Bailer	Cloudy	31.88	160.03	5.0	S.S. present	24.3	28.0	7.2	314	523	11	<2	<2	21	0.08	0.02	0.04	0.6	<1	<1		
BHB24	2/16/05	14:00	VH / SING	Bailer	Cloudy	26.86	130.47	5.0	S.S. present	24.7	28.0	6.1	299	446	3	<2	<2	1	0.02	<0.01	0.10	0.5	<1	<1		
BHB25	2/16/05	14:10	VH / SING	Pump	Cloudy	32.10	103.31	6.0	Clear	24.4	28.0	6.7	97	<3	<2	<2	1	0.05	<0.01	0.12	<0.1	<1	<1	<1		
BHB26	2/16/05	14:30	VH / SING	Pump	Cloudy	23.32	104.64	5.0	Clear	24.5	26.5	7.0	250	33	<2	<2	17	0.03	0.01	<0.01	<0.1	<1	<1	<1		
BHB27	2/16/05	14:50	VH / SING	Pump	Cloudy	17.23	104.74	5.0	Clear	24.0	26.5	7.5	270	7	<2	<2	19	<0.01	0.04	<0.01	<0.1	<1	<1	<1		
BHA28	2/16/05	15:04	VH / SING	Pump	Cloudy	31.49	83.34	6.0	Clear	23.7	27.0	6.9	180	14	<2	<2	13	0.05	<0.01	<0.01	<0.1	<1	<1	<1		
BHA29	2/16/05	15:30	VH / SING	Pump	Cloudy	30.68	69.10	5.0	S.S. present	23.8	27.0	7.1	258	353	<2	<2	20	0.03	<0.01	<0.01	<0.1	0.3	<1	<1		
BHA30	2/21/05	13:57	VH / SING	-	Cloudy	8.40	35.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BHB31																										

NENT Landfill Groundwater Monitoring Results February 2005  
 Prepared by: [Name] Date: [Date]  
 Approved by: [Name] Date: [Date]

Site Name NENT Landfill

Location	Date	Time	Sampling Technician	Sampling device used	Weather	*Water Level, m	@Water level, mPD	Purge vol., l	Sample appearance	Sample temp., °C	Air temp., °C	pH	E.C., µS/cm	S.S., mg/l	COD, mg/l	BOD, mg/l	SO <sub>3</sub> <sup>-2</sup> , mg/l	SO <sub>4</sub> <sup>-2</sup> , mg/l	PO <sub>4</sub> <sup>-3</sup> , mg/l	NH <sub>3</sub> , mg/l	NO <sub>3</sub> <sup>-</sup> , mg/l	TKN, mg/l	Total Coll., /100ml
BHA1	2005/3/30	09:44	VH / SING	-	Cloudy	6.98	29.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA2	2005/3/30	10:40	VH / SING	-	Cloudy	22.80	44.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA3	2005/3/30	10:47	VH / SING	-	Cloudy	20.80	44.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA4	2005/3/30	09:49	VH / SING	-	Cloudy	17.13	37.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA5	2005/3/30	09:54	VH / SING	-	Cloudy	13.97	37.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA6	2005/3/30	10:24	VH / SING	-	Cloudy	22.89	57.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA7	2005/3/30	10:30	VH / SING	-	Cloudy	33.57	59.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA8	2005/3/30	10:11	VH / SING	-	Cloudy	35.25	62.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA9	2005/3/30	10:05	VH / SING	-	Cloudy	29.44	61.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA10	2005/3/16	11:55	VH / SING	Pump	Cloudy	43.75	104.81	5.0	Clear	23.9	22.5	8.0	154	32	<2	<2	<2	4	0.03	0.01	0.07	0.1	<1
BHA11	2005/3/16	11:34	VH / SING	Pump	Cloudy	30.46	127.97	5.0	Clear	23.5	21.5	6.9	203	4	<2	<2	<2	2	0.08	<0.01	0.01	0.1	<1
BHB12	2005/3/16	11:19	VH / SING	Pump	Cloudy	26.78	133.35	6.0	Clear	24.1	21.0	7.5	266	<3	<2	<2	<2	4	0.03	0.03	0.02	<0.1	<1
BHB13	2005/3/16	11:03	VH / SING	Pump	Cloudy	14.99	131.41	6.0	S.S. present	23.7	21.0	7.5	266	121	4	<2	<2	19	0.01	0.04	<0.01	0.2	<1
BHB14	2005/3/16	10:44	VH / SING	Bailer	Cloudy	15.57	132.39	6.0	S.S. present	23.9	20.5	7.5	266	1720	16	<2	<2	14	0.08	0.03	<0.01	0.5	<1
BHB15	2005/3/16	10:30	VH / SING	Bailer	Cloudy	27.76	131.35	5.0	S.S. present	24.1	20.5	7.0	266	443	<2	<2	<2	19	0.05	0.04	0.05	0.3	<1
BHB17	2005/3/15	12:29	VH / SING	Bailer	Cloudy	34.83	187.92	5.0	S.S. present	23.6	18.5	7.5	179	256	<2	<2	<2	12	0.10	<0.01	<0.01	0.2	<1
BHB18	2005/3/15	11:54	VH / SING	Bailer	Cloudy	39.03	190.01	5.0	S.S. present	22.9	17.5	7.6	168	1380	3	<2	<2	8	0.10	0.03	0.10	<0.1	<1
BHB19	2005/3/15	11:28	VH / SING	Bailer	Cloudy	24.10	204.44	6.0	S.S. present	22.8	17.0	6.8	225	2500	14	<2	<2	21	0.03	<0.01	<0.01	0.8	<1
BHB20	2005/3/15	11:04	VH / SING	Bailer	Cloudy	45.90	190.54	5.0	S.S. present	22.8	16.0	6.8	108	455	<2	<2	<2	4	0.10	0.01	0.14	0.2	<1
BHB21	2005/3/15	10:37	VH / SING	Pump	Cloudy	35.06	194.34	6.0	Clear	22.4	17.0	6.8	164	14	<2	<2	<2	3	0.03	<0.01	0.33	0.1	<1
BHB22	2005/3/15	10:10	VH / SING	Pump	Cloudy	34.74	181.80	6.0	Clear	21.7	17.0	7.5	77	<3	<2	<2	<2	<1	0.06	<0.01	0.70	<0.1	<1
BHB23	2005/3/29	10:46	VH / SING	-	Cloudy	32.42	159.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB24	2005/3/29	10:37	VH / SING	-	Cloudy	27.19	130.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB25	2005/3/29	10:31	VH / SING	-	Cloudy	31.83	103.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB26	2005/3/29	10:25	VH / SING	-	Cloudy	23.72	104.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB27	2005/3/29	10:17	VH / SING	-	Cloudy	17.52	104.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA28	2005/3/29	10:11	VH / SING	-	Cloudy	31.82	83.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA29	2005/3/29	10:04	VH / SING	-	Cloudy	31.16	68.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA30	2005/3/29	09:56	VH / SING	-	Cloudy	8.46	35.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHC31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

\*Water level, refer to ground. @Water level, refer to Principal Datum, m

Table 4.4

Analyses were analyzed by Accutest Lab according to the request of On-site EEPD.

NENT Landfill  
Groundwater Monitoring Results  
April 2005

Site Name NENT Landfill

Location	Date	Time	Sampling Technician	Sampling device used	Weather	*Water Level, m	@Water level, mPD	Purge vol., l	Sample appearance	Sample temp., °C	Air temp., °C	pH	E.C., µS/cm	S.S., mg/l	COD, mg/l	BOD, mg/l	SO <sub>3</sub> <sup>-2</sup> , mg/l	SO <sub>4</sub> <sup>-2</sup> , mg/l	PO <sub>4</sub> <sup>-3</sup> , mg/l	NH <sub>3</sub> , mg/l	NO <sub>3</sub> <sup>-</sup> , mg/l	TKN, mg/l	Total Coli., cfu/100ml	
BHA1	2005/4/11	14:03	VH/SING	Pump	Sunny	6.93	29.51	6.0	Clear	26.7	32.0	7.4	285	4	4	20	<2	20	0.02	1.52	0.78	1.7	<1	
BHA2	2005/4/11	14:15	VH/SING	Pump	Sunny	22.88	44.84	6.0	Clear	24.7	30.0	8.3	185	<3	3	<2	<2	11	0.04	0.05	<0.01	<0.1	<1	
BHA3	2005/4/11	14:30	VH/SING	Pump	Sunny	20.82	44.82	6.0	S.S. present	25.1	31.5	7.2	336	96	8	<2	<2	9	0.04	0.02	0.01	0.2	<1	
BHA4	2005/4/11	14:50	VH/SING	Pump	Sunny	15.22	39.08	5.0	Clear	24.7	29.5	7.1	735	3	4	<2	<2	107	0.01	0.04	<0.01	<0.1	<1	
BHA5	2005/4/11	15:08	VH/SING	Pump	Sunny	13.93	37.89	5.0	Clear	24.2	32.0	6.7	244	6	3	<2	<2	14	0.03	0.02	0.11	<0.1	<1	
BHA6	2004/4/12	10:58	VH/SING	Pump	Cloudy	22.96	57.16	5.0	Clear	24.3	25.5	7.4	235	<3	<2	<2	<2	8	<0.01	0.04	<0.01	<0.1	<1	
BHA7	2004/4/12	10:34	VH/SING	Pump	Cloudy	34.77	58.4	5.0	S.S. present	24.8	26.5	6.4	76	490	<2	<2	<2	17	0.08	0.06	0.07	0.1	<1	
BHA8	2004/4/12	10:06	VH/SING	Pump	Cloudy	35.40	62.26	5.0	Clear	25.8	25.5	7.7	170	5	<2	<2	<2	13	0.01	0.04	0.01	<0.1	<1	
BHA9	2004/4/12	09:48	VH/SING	Pump	Cloudy	26.00	64.54	5.0	Clear	24.7	24.0	8.0	300	12	<2	<2	<2	29	0.03	0.04	0.25	<0.1	<1	
BHA10	2005/4/25	11:06	VH/SING	-	Cloudy	44.39	104.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA11	2005/4/25	11:02	VH/SING	-	Cloudy	30.73	127.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB12	2005/4/25	10:58	VH/SING	-	Cloudy	27.08	133.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB13	2005/4/25	10:52	VH/SING	-	Cloudy	15.24	131.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB14	2005/4/25	10:48	VH/SING	-	Cloudy	15.78	132.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB15	2005/4/25	10:44	VH/SING	-	Cloudy	28.00	131.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB17	2005/4/25	10:33	VH/SING	-	Cloudy	35.12	187.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB18	2005/4/25	10:28	VH/SING	-	Cloudy	39.29	189.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB19	2005/4/25	10:23	VH/SING	-	Cloudy	24.44	204.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB20	2005/4/25	10:18	VH/SING	-	Cloudy	45.64	190.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB21	2005/4/25	10:13	VH/SING	-	Cloudy	35.77	193.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB22	2005/4/25	10:09	VH/SING	-	Cloudy	35.37	181.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB23	2005/4/25	10:04	VH/SING	-	Cloudy	32.78	159.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB24	2005/4/25	09:56	VH/SING	-	Cloudy	28.08	129.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB25	2005/4/25	09:52	VH/SING	-	Cloudy	31.91	103.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB26	2005/4/25	09:47	VH/SING	-	Cloudy	23.70	104.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB27	2005/4/25	09:43	VH/SING	-	Cloudy	17.64	104.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA28	2005/4/25	09:38	VH/SING	-	Cloudy	31.96	82.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA29	2005/4/25	09:30	VH/SING	-	Cloudy	31.39	68.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA30	2005/4/11	15:37	VH/SING	Pump	Sunny	8.47	35.25	5.0	Clear	26.0	31.0	7.6	380	4	3	<2	<2	26	<0.01	0.05	<0.01	<0.1	<1	
BHB31	2005/4/12	11:29	VH/SING	Balliey	Cloudy	-	-	5.0	S.S. present	22.9	26.5	6.1	38	232	2	<2	<2	5	<0.01	0.14	0.10	0.4	<1	

NENT Landfill  
Groundwater Monitoring Results  
May 2005

Site Name NENT Landfill

Location	Date	Time	Sampling Technician	Sampling device used	Weather	*Water Level, m	@Water level, mPD	Purge vol., l	Sample appearance	Sample temp., °C	Air temp., °C	pH	E.C., µS/cm	S.S., mg/l	COD, mg/l	BOD, mg/l	SO <sub>3</sub> <sup>2-</sup> , mg/l	SO <sub>4</sub> <sup>2-</sup> , mg/l	PO <sub>4</sub> <sup>3-</sup> , mg/l	NH <sub>3</sub> , mg/l	NO <sub>3</sub> <sup>-</sup> , mg/l	TKN, mg/l	Total Coli., du/100ml
BHA1	25/05/05	14:11	Sing / TY	-	Fine	6.00	30.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA2	25/05/05	14:41	Sing / TY	-	Fine	22.96	44.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA3	25/05/05	14:35	Sing / TY	-	Fine	20.79	44.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA4	25/05/05	14:16	Sing / TY	-	Fine	15.13	39.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA5	25/05/05	14:21	Sing / TY	-	Fine	13.87	37.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA6	25/05/05	15:05	Sing / TY	-	Fine	23.04	57.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA7	25/05/05	15:33	Sing / TY	-	Fine	33.68	59.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA8	25/05/05	15:18	Sing / TY	-	Fine	35.64	62.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA9	25/05/05	15:15	Sing / TY	-	Fine	26.50	64.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA10	25/05/05	11:38	Sing / TY	-	Fine	44.13	104.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA11	25/05/05	11:35	Sing / TY	-	Fine	30.35	128.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB12	25/05/05	11:32	Sing / TY	-	Fine	27.24	132.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB13	25/05/05	11:28	Sing / TY	-	Fine	15.14	131.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB14	25/05/05	11:24	Sing / TY	-	Fine	15.46	132.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB15	25/05/05	11:18	Sing / TY	-	Fine	27.85	131.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB17	25/05/05	11:10	Sing / TY	-	Fine	35.27	187.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB18	25/05/05	11:05	Sing / TY	-	Fine	39.48	189.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB19	25/05/05	11:02	Sing / TY	-	Fine	24.01	204.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB20	25/05/05	10:55	Sing / TY	-	Fine	45.72	190.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB21	25/05/05	10:50	Sing / TY	-	Fine	34.41	194.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB22	25/05/05	10:46	Sing / TY	-	Fine	34.21	182.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB23	12/05/05	10:00	Sing / TY / VH	Baller	Fine	29.32	162.59	5.0	S.S. present	24.4	30.0	5.6	509	846	7	<2	<2	16	0.02	0.03	0.36	0.5	100
BHB24	12/05/05	10:10	Sing / TY / VH	Baller	Fine	28.60	128.73	5.0	S.S. present	24.6	29.0	5.8	27	611	<2	<2	<2	21	0.04	0.06	0.04	0.4	<1
BHB25	12/05/05	10:17	Sing / TY / VH	Pump	Fine	30.72	104.69	6.0	Clear	24.6	29.0	7.2	164	30	<2	<2	<2	14	0.03	0.03	0.10	<0.1	<1
BHB26	12/05/05	10:24	Sing / TY / VH	Pump	Fine	23.36	104.60	5.0	S.S. present	24.9	30.0	7.1	285	102	3	<2	<2	26	0.02	0.03	<0.01	<0.1	<1
BHB27	12/05/05	10:35	Sing / TY / VH	Pump	Fine	16.35	105.62	6.0	Clear	24.2	29.0	7.2	269	17	<2	<2	<2	22	<0.01	0.06	<0.01	<0.1	<1
BHA28	12/05/05	10:52	Sing / TY / VH	Pump	Fine	32.15	82.68	5.0	Clear	24.1	31.0	7.2	169	17	<2	<2	<2	9	0.05	<0.01	0.02	0.1	<1
BHA29	12/05/05	11:25	Sing / TY / VH	Pump	Fine	31.51	68.27	5.0	S.S. present	24.4	31.5	7.2	256	89	<2	<2	<2	17	<0.01	0.02	<0.01	<0.1	<1
BHA30	25/05/05	09:52	Sing / TY	-	Fine	8.11	35.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHC31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHEW1	12/05/05	14:38	Sing / VH	Baller	Fine	7.33	19.79	5.0	Clear	26.4	32.0	7.2	219	-	-	-	-	-	-	-	<0.1	-	-
BHEW3	12/05/05	14:52	Sing / VH	Baller	Fine	2.59	29.62	5.0	S.S. present	26.0	33.0	6.5	129	-	-	-	-	-	-	-	<0.1	-	-

NENT Landfill  
Groundwater Monitoring Results  
June 2005

Site Name NENT Landfill

Location	Date	Time	Sampling Technician	Sampling device used	Weather	*Water Level, m	@Water level, mPD	Purge vol., l	Sample appearance	Sample temp., °C	Air temp., °C	pH	E.C., µS/cm	S.S., mg/l	COD, mg/l	BOD, mg/l	SO <sub>3</sub> <sup>2-</sup> , mg/l	SO <sub>4</sub> <sup>2-</sup> , mg/l	PO <sub>4</sub> <sup>3-</sup> , mg/l	NH <sub>3</sub> , mg/l	NO <sub>3</sub> <sup>-</sup> , mg/l	TKN, mg/l	Total Coli., devices
BHA1	29/06/05	09:50	Sing / VH	-	Cloudy	5.63	30.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA2	29/06/05	14:01	Sing / VH	-	Cloudy	22.37	45.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA3	29/06/05	14:05	Sing / VH	-	Cloudy	19.34	46.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA4	29/06/05	13:45	Sing / VH	-	Cloudy	12.55	41.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA5	29/06/05	13:52	Sing / VH	-	Cloudy	12.65	39.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA6	29/06/05	09:55	Sing / VH	-	Cloudy	20.41	59.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA7	29/06/05	10:00	Sing / VH	-	Cloudy	21.62	71.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA8	29/06/05	14:16	Sing / VH	-	Cloudy	25.50	72.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA9	29/06/05	14:22	Sing / VH	-	Cloudy	19.50	71.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA10	15/06/05	15:23	Sing / VH / TY	Pump	Cloudy	43.83	104.73	5.0	Clear	24.5	30.0	8.1	165	33	<2	<2	8	0.03	0.04	0.05	<0.1	<1	
BHA11	15/06/05	15:06	Sing / VH / TY	Pump	Cloudy	28.09	130.34	5.0	Clear	24.5	31.0	7.0	198	<3	<2	<2	9	0.09	<0.01	0.01	<0.1	<1	
BHB12	15/06/05	14:50	Sing / VH / TY	Pump	Cloudy	28.34	131.79	5.0	Clear	24.8	31.5	7.4	267	4	<2	<2	6	0.04	<0.01	0.03	<0.1	3	
BHB13	15/06/05	14:30	Sing / VH / TY	Pump	Cloudy	15.26	131.14	5.0	S.S. present	24.1	30.5	5.5	136	456	8	<2	40	<0.01	0.03	<0.01	0.4	<1	
BHB14	15/06/05	14:16	Sing / VH / TY	Bailer	Cloudy	14.99	132.97	5.0	S.S. present	27.5	31.0	6.0	110	1290	12	<2	28	0.02	0.09	<0.01	0.5	<1	
BHB15	15/06/05	14:00	Sing / VH / TY	Bailer	Cloudy	27.86	131.25	5.0	S.S. present	26.5	31.5	7.1	290	1390	2	<2	20	0.02	<0.01	0.05	<0.1	1	
BHB17	14/06/05	11:58	Sing / VH / TY	Pump	Cloudy	35.33	187.42	5.0	Clear	24.2	31.0	7.8	187	95	<2	<2	<1	0.05	<0.01	<0.01	<0.1	<1	
BHB18	14/06/05	11:30	Sing / VH / TY	Pump	Cloudy	39.53	189.51	5.0	Clear	24.0	32.0	8.4	185	17	<2	<2	9	0.81	0.05	0.08	<0.1	<1	
BHB19	14/06/05	11:13	Sing / VH / TY	Pump	Cloudy	23.10	205.44	5.0	Clear	23.6	31.5	8.1	319	96	<2	<2	9	<0.01	0.03	<0.01	<0.1	<1	
BHB20	14/06/05	10:50	Sing / VH / TY	Pump	Cloudy	45.74	190.70	6.0	S.S. present	23.7	32.0	8.6	133	235	<2	<2	<1	0.09	0.02	0.15	<0.1	<1	
BHB21	14/06/05	10:30	Sing / VH / TY	Pump	Cloudy	34.01	195.39	6.0	Clear	23.2	31.0	8.9	97	<3	<2	<2	6	0.06	0.04	0.24	<0.1	<1	
BHB22	14/06/05	10:11	Sing / VH / TY	Pump	Cloudy	33.84	182.70	6.0	Clear	23.2	32.5	8.9	67	<3	<2	<2	10	0.08	0.05	0.49	<0.1	<1	
BHB23	27/06/05	10:34	Sing / VH	-	Sunny	19.67	172.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB24	27/06/05	10:29	Sing / VH	-	Sunny	25.41	131.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB25	27/06/05	10:25	Sing / VH	-	Sunny	22.31	113.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB26	27/06/05	10:20	Sing / VH	-	Sunny	19.14	108.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB27	27/06/05	10:14	Sing / VH	-	Sunny	13.53	108.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA28	27/06/05	10:08	Sing / VH	-	Sunny	23.47	91.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA29	27/06/05	09:50	Sing / VH	-	Sunny	26.58	73.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA30	27/06/05	09:43	Sing / VH	-	Sunny	6.95	36.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHEM1	14/06/05	14:45	Sing / VH	Bailer	Cloudy	7.59	12.20	5.0	Clear	26.7	30.5	7.8	210	-	-	-	-	-	-	-	-	-	-
BHEM2	14/06/05	14:55	Sing / VH	Bailer	Cloudy	2.61	26.06	5.0	Clear	24.8	30.5	7.8	111	-	-	-	-	-	-	-	-	-	-

Site Name NENT Landfill

Location	Date	Time	Sampling Technician	Sampling device used	Weather	*Water Level, m	Water level, mPD	Purge vol., l	Sample appearance	Sample temp., °C	Air temp., °C	pH	E.C., µS/cm	S.S., mg/l	COD, mg/l	BOD, mg/l	SO <sub>3</sub> <sup>2-</sup> , mg/l	SO <sub>4</sub> <sup>2-</sup> , mg/l	PO <sub>4</sub> <sup>3-</sup> , mg/l	NH <sub>3</sub> , mg/l	NO <sub>3</sub> <sup>-</sup> , mg/l	TKN, mg/l	Total Coli. /100ml
BHA1	14/07/05	09:45	Sing / VH	Pump	Fine	5.85	30.59	6.0	Clear	25.0	32.0	7.2	326	<3	2	<2	<2	26	<0.01	0.77	<0.01	0.8	130
BHA2	13/07/05	09:43	Sing / VH	Pump	Fine	21.98	45.74	6.0	Clear	25.0	32.0	7.8	193	<3	<2	<2	<2	8	0.05	0.04	<0.01	0.1	14
BHA3	13/07/05	10:00	Sing / VH	Pump	Fine	19.23	46.41	5.0	S.S. present	25.0	33.0	6.5	224	167	<2	<2	<2	58	0.03	<0.01	0.22	0.1	3
BHA4	13/07/05	10:17	Sing / VH	Pump	Fine	13.91	40.39	5.0	Clear	24.8	31.0	6.8	389	<3	<2	<2	<2	349	<0.01	0.02	0.02	<0.1	<1
BHA5	13/07/05	10:33	Sing / VH	Pump	Fine	12.73	39.09	5.0	Clear	24.5	32.0	6.2	278	6	<2	<2	<2	56	0.02	<0.01	0.42	<0.1	<1
BHA6	14/07/05	10:00	Sing / VH	Pump	Fine	19.13	60.99	6.0	Clear	25.0	33.0	7.0	322	<3	<2	<2	<2	8	<0.01	0.01	<0.01	0.2	<1
BHA7	14/07/05	10:52	Sing / VH	Pump	Fine	21.48	71.69	6.0	Clear	25.7	33.0	6.4	57	50	4	4	<2	10	0.01	0.22	0.27	0.4	<1
BHA8	14/07/05	10:21	Sing / VH	Pump	Fine	25.78	71.88	5.0	Clear	27.0	33.0	7.0	181	<3	<2	2	<2	11	0.01	0.01	0.08	0.1	<1
BHA9	14/07/05	10:36	Sing / VH	Pump	Fine	20.87	69.67	6.0	Clear	24.9	33.0	6.7	367	3	<2	3	<2	64	0.02	0.01	0.72	<0.1	<1
BHA10	26/07/05	14:10	Sing / VH	-	Fine	30.38	118.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA11	26/07/05	14:13	Sing / VH	-	Fine	28.04	130.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB12	26/07/05	14:17	Sing / VH	-	Fine	24.21	135.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB17	26/07/05	10:31	Sing / VH	-	Fine	29.56	193.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB18	26/07/05	10:26	Sing / VH	-	Fine	36.66	192.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB19	26/07/05	10:22	Sing / VH	-	Fine	19.74	208.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB20	26/07/05	10:17	Sing / VH	-	Fine	35.11	201.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB21	26/07/05	10:13	Sing / VH	-	Fine	26.72	202.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB22	26/07/05	10:07	Sing / VH	-	Fine	26.62	189.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB23	26/07/05	10:02	Sing / VH	-	Fine	21.35	170.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB24	26/07/05	09:57	Sing / VH	-	Fine	25.67	131.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB25	26/07/05	09:53	Sing / VH	-	Fine	23.30	112.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB26	26/07/05	09:49	Sing / VH	-	Fine	18.59	109.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB27	26/07/05	09:44	Sing / VH	-	Fine	14.46	107.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA28	26/07/05	09:40	Sing / VH	-	Fine	24.92	89.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA29	26/07/05	09:33	Sing / VH	-	Fine	23.23	76.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA30	13/07/05	11:01	Sing / VH	Pump	Fine	7.81	35.91	5.0	Clear	26.4	32.5	7.3	390	<3	<2	<2	<2	30	<0.01	0.04	<0.01	<0.1	<1
BHC31	13/07/05	11:28	Sing / VH	Bailer	Fine	-	-	6.0	S.S. present	25.6	32.0	5.2	81	57	7	<2	<2	21	<0.01	0.03	0.03	0.1	<1
BHEW1	14/07/05	14:55	Sing / VH	Bailer	Fine	7.22	12.57	6.0	Clear	28.0	34.0	7.6	208	-	-	-	-	-	-	-	0.04	-	-
BHEW3	14/07/05	14:40	Sing / VH	Bailer	Fine	2.33	27.29	6.0	Clear	27.2	34.0	7.7	109	-	-	-	-	-	-	-	0.15	-	-

\*Water level, refer to ground. pH and E.C. were analyzed by accredited lab according to the requirement on site s.EPD

Water level, refer to Principal Datum, m

Table 4.4

NENT Landfill  
Groundwater Monitoring Results  
August 2005

Site Name NENT Landfill

Location	Date	Time	Sampling Technician	Sampling device used	Weather	*Water Level, m	@Water level, mPD	Purge vol., l	Sample appearance	Sample temp., °C	Air temp., °C	pH	E.C., µS/cm	S.S., mg/l	COD, mg/l	BOD, mg/l	SO <sub>3</sub> <sup>-2</sup> , mg/l	SO <sub>4</sub> <sup>-2</sup> , mg/l	PO <sub>4</sub> <sup>-3</sup> , mg/l	NH <sub>3</sub> , mg/l	NO <sub>3</sub> <sup>-</sup> , mg/l	TKN, mg/l	Total Colli., /ml	
BHA1	24/08/05	14:54	Sing / TY	-	Cloudy	3.37	33.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA2	24/08/05	14:32	Sing / TY	-	Cloudy	18.93	48.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA3	24/08/05	14:26	Sing / TY	-	Cloudy	16.31	49.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA4	24/08/05	14:39	Sing / TY	-	Cloudy	12.11	42.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA5	24/08/05	14:46	Sing / TY	-	Cloudy	10.48	41.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA6	24/08/05	14:08	Sing / TY	-	Cloudy	13.43	66.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA7	24/08/05	14:13	Sing / TY	-	Cloudy	13.23	79.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA8	24/08/05	13:53	Sing / TY	-	Cloudy	20.51	77.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA9	24/08/05	13:46	Sing / TY	-	Cloudy	17.35	73.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA10	25/08/05	14:09	Sing / VH	-	Fine	28.21	120.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA11	25/08/05	14:04	Sing / VH	-	Fine	23.08	135.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB12	25/08/05	14:01	Sing / VH	-	Fine	22.21	137.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB18	25/08/05	11:07	Sing / VH	-	Fine	35.42	193.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB19	25/08/05	11:02	Sing / VH	-	Fine	19.73	208.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB20	25/08/05	10:53	Sing / VH	-	Fine	34.77	201.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB21	25/08/05	10:44	Sing / VH	-	Fine	26.43	202.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB22	25/08/05	10:40	Sing / VH	-	Fine	24.31	192.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB23	10/08/05	10:08	Sing / TY	Bailer	Cloudy	24.30	167.61	5.0	S.S. present	23.8	30.0	5.1	155	155	20	7	<2	<1	0.03	0.03	0.2	0.2	1	1
BHB24	10/08/05	10:30	Sing / TY	Bailer	Cloudy	26.07	131.26	5.0	S.S. present	24.9	29.0	5.4	23	32	8	4	<2	10	<0.01	0.03	<0.1	0.4	<2	<2
BHB25	10/08/05	10:50	Sing / TY	Pump	Cloudy	24.37	111.04	6.0	Clear	24.6	29.0	5.5	41	9	<2	<2	<2	1	0.07	0.03	0.2	<0.1	<1	<1
BHB26	10/08/05	11:05	Sing / TY	Pump	Cloudy	18.97	108.99	6.0	Clear	24.8	29.5	5.5	14	14	<2	<2	<2	5	0.01	<0.01	0.1	<0.1	<1	<1
BHB27	10/08/05	11:20	Sing / TY	Pump	Cloudy	14.77	107.20	6.0	Clear	24.3	28.0	7.3	274	5	<2	<2	<2	10	<0.01	0.05	<0.1	<0.1	<1	<1
BHA28	10/08/05	11:39	Sing / TY	Pump	Cloudy	25.98	88.85	6.0	Clear	24.1	29.0	6.1	103	7	<2	<2	<2	10	0.02	<0.01	<0.1	<0.1	<1	<1
BHA29	10/08/05	11:59	Sing / TY	Pump	Cloudy	21.63	78.15	6.0	S.S. present	24.3	28.0	6.7	244	529	2	2	<2	<1	0.02	0.01	<0.1	<0.1	1	1
BHA30	25/08/05	09:46	Sing / VH	-	Fine	7.16	36.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHC31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHEW1	12/08/05	10:46	Sing / VH	Bailer	Fine	2.15	17.64	6.0	Clear	27.6	32.0	7.0	122	-	-	-	-	-	-	-	-	-	-	-
BHEW3	12/08/05	10:27	Sing / VH	Bailer	Fine	7.04	22.58	6.0	Clear	27.1	32.0	7.6	225	-	-	-	-	-	-	-	-	-	-	-

\*Water level, refer to ground.  
@Water level, refer to Principal Datum, m

NENT Landfill  
Groundwater Monitoring Results  
September 2005

NENT Landfill

Site Name

Location	Date	Time	Sampling Technician	Sampling device used	Weather	*Water Level, m	@Water level, mPD	Purge vol., l	Sample appearance	Sample temp., °C	Air temp., °C	pH	E.C., µS/cm	S.S., mg/l	COD, mg/l	BOD, mg/l	SO <sub>3</sub> <sup>-2</sup> , mg/l	SO <sub>4</sub> <sup>-2</sup> , mg/l	PO <sub>4</sub> <sup>-3</sup> , mg/l	NH <sub>3</sub> , mg/l	NO <sub>3</sub> <sup>-</sup> , mg/l	TKN, mg/l	Total Coll., du/100ml
BHA1	20/09/2005	13:59	Sing / TY	-	Fine	5.69	30.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA2	20/09/2005	14:13	Sing / TY	-	Fine	20.16	47.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA3	20/09/2005	14:05	Sing / TY	-	Fine	18.16	47.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA4	20/09/2005	15:10	Sing / TY	-	Fine	14.65	39.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA5	20/09/2005	15:14	Sing / TY	-	Fine	12.26	39.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA6	20/09/2005	14:22	Sing / TY	-	Fine	17.57	62.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA7	20/09/2005	14:29	Sing / TY	-	Fine	22.78	70.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA8	20/09/2005	14:56	Sing / TY	-	Fine	28.24	69.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA9	20/09/2005	14:50	Sing / TY	-	Fine	22.56	67.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA10	14/09/2005	15:18	Sing / VH / TY	Pump	Sunny	35.10	113.46	6.0	S.S. present	24.7	34.5	7.9	129	96	4	<2	<2	5	0.08	0.03	0.10	<0.1	<1
BHA11	14/09/2005	14:35	Sing / VH / TY	Pump	Sunny	27.07	131.36	6.0	Clear	25.0	35.0	6.6	185	<3	3	<2	<2	7	0.09	0.02	<0.01	<0.1	<1
BHB12	14/09/2005	14:54	Sing / VH / TY	Pump	Sunny	24.81	135.32	6.0	Clear	24.5	35.0	6.3	157	<3	3	<2	<2	12	0.02	0.03	<0.01	<0.1	<1
BHB18	14/09/2005	11:09	Sing / VH / TY	Pump	Sunny	37.00	192.04	5.0	Clear	24.2	34.5	6.7	190	14	<2	<2	<2	4	0.30	0.04	0.10	<0.1	<1
BHB19	14/09/2005	10:51	Sing / VH / TY	Pump	Sunny	20.90	207.64	5.0	S.S. present	23.8	34.5	7.6	308	67	3	<2	<2	12	<0.01	0.12	<0.01	0.1	<1
BHB20	14/09/2005	10:34	Sing / VH / TY	Pump	Sunny	38.86	197.58	5.0	S.S. present	25.0	35.0	6.8	138	126	2	<2	<2	5	0.08	0.03	0.20	<0.1	<1
BHB21	14/09/2005	10:17	Sing / VH / TY	Pump	Sunny	28.34	201.06	5.0	Clear	23.5	34.0	6.2	98	7	<2	<2	<2	3	0.08	0.03	0.30	<0.1	<1
BHB22	14/09/2005	11:41	Sing / VH / TY	Pump	Sunny	29.19	187.35	5.0	Clear	23.3	34.0	6.5	35	11	4	<2	<2	3	0.08	0.03	0.80	0.1	<1
BHB23	21/09/2005	10:51	Sing / TY	-	Fine	25.70	166.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB24	21/09/2005	10:56	Sing / TY	-	Fine	26.39	130.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB25	21/09/2005	11:01	Sing / TY	-	Fine	25.18	110.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB26	21/09/2005	11:06	Sing / TY	-	Fine	20.08	107.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB27	21/09/2005	11:11	Sing / TY	-	Fine	14.60	107.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA28	21/09/2005	11:16	Sing / TY	-	Fine	29.05	85.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA29	21/09/2005	11:25	Sing / TY	-	Fine	23.58	76.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA30	21/09/2005	11:38	Sing / TY	-	Fine	7.98	35.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHC31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHEW1	14/09/2005	14:04	Sing / VH	Bailer	Sunny	2.38	17.41	5.0	Clear	28.1	34.5	6.4	995	-	-	-	-	-	-	-	<0.1	-	-
BHEW3	14/09/2005	14:20	Sing / VH	Bailer	Sunny	7.29	22.33	5.0	Clear	27.9	34.5	6.7	228	-	-	-	-	-	-	-	<0.1	-	-

\*Water level, refer to ground.

@Water level, refer to Principal Datum, m

PH and EC were analyzed by accredited lab according to the request of on-site EPA.

October 2005

Site Name NENT Landfill

Location	Date	Time	Sampling Technician	Sampling device used	Weather	*Water Level, m	@Water level, mPD	Purge vol., l	Sample appearance	Sample temp., °C	Air temp., °C	pH	E.C., µS/cm	S.S., mg/l	COD, mg/l	BOD, mg/l	SO <sub>3</sub> <sup>-2</sup> , mg/l	SO <sub>4</sub> <sup>-2</sup> , mg/l	PO <sub>4</sub> <sup>-3</sup> , mg/l	NH <sub>3</sub> , mg/l	NO <sub>3</sub> <sup>-</sup> , mg/l	TKN, mg/l	Total Coll. <small>at 1000x</small>
BHA1	19-Oct-05	13:15	Sing / VH / TY	Pump	Sunny	6.44	30.00	6.0	Clear	25.4	30.0	7.1	289	<3	<2	<2	<2	30	0.02	0.30	<0.01	0.4	<1
BHA2	19-Oct-05	11:35	Sing / VH / TY	Pump	Sunny	20.23	47.49	5.0	Clear	25.1	30.0	7.3	270	<3	<2	<2	<2	16	0.04	0.06	<0.01	<0.1	<1
BHA4	19-Oct-05	09:53	Sing / VH / TY	Pump	Sunny	14.68	39.62	5.0	Clear	24.8	29.0	6.6	1169	<3	<2	<2	<2	283	<0.01	<0.01	<0.01	<0.1	<1
BHA5	19-Oct-05	10:19	Sing / VH / TY	Pump	Sunny	12.51	39.31	5.0	S.S. present	24.9	29.0	5.9	209	54	<2	2	<2	23	0.02	0.03	0.19	0.2	<1
BHA6	19-Oct-05	10:48	Sing / VH / TY	Pump	Sunny	17.85	62.27	6.0	Clear	24.8	29.0	7.1	571	<3	<2	<2	<2	10	<0.01	0.02	<0.01	<0.1	<1
BHA7	19-Oct-05	11:09	Sing / VH / TY	Pump	Sunny	23.38	69.79	5.0	S.S. present	25.4	30.0	4.2	56	815	22	<2	<2	7	<0.01	0.02	0.26	0.1	<1
BHA8	19-Oct-05	13:40	Sing / VH / TY	Pump	Sunny	28.72	68.94	5.0	Clear	26.2	30.0	6.9	176	18	<2	<2	<2	11	<0.01	<0.01	0.96	<0.1	21
BHA9	19-Oct-05	14:00	Sing / VH / TY	Pump	Sunny	23.30	67.24	5.0	Clear	24.9	30.0	7.6	380	7	<2	<2	<2	53	0.02	<0.01	0.60	<0.1	<1
BHA10	25-Oct-05	15:33	Sing / TY	-	Sunny	36.31	112.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA11	25-Oct-05	15:29	Sing / TY	-	Sunny	27.62	130.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB12	25-Oct-05	15:26	Sing / TY	-	Sunny	24.74	135.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB18	25-Oct-05	13:47	Sing / TY	-	Sunny	37.38	191.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB19	25-Oct-05	13:56	Sing / TY	-	Sunny	21.46	207.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB20	25-Oct-05	14:01	Sing / TY	-	Sunny	43.90	192.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB21	25-Oct-05	14:06	Sing / TY	-	Sunny	31.16	198.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB22	25-Oct-05	10:10	Sing / TY	-	Sunny	30.84	185.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB23	25-Oct-05	14:15	Sing / TY	-	Sunny	28.00	163.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB24	25-Oct-05	14:20	Sing / TY	-	Sunny	26.48	130.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB25	25-Oct-05	14:25	Sing / TY	-	Sunny	26.43	108.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB26	25-Oct-05	14:29	Sing / TY	-	Sunny	21.00	106.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB27	25-Oct-05	14:36	Sing / TY	-	Sunny	14.95	107.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA28	25-Oct-05	14:43	Sing / TY	-	Sunny	29.34	85.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA29	25-Oct-05	14:52	Sing / TY	-	Sunny	25.89	73.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA30	19-Oct-05	15:00	Sing / VH / TY	Pump	Sunny	8.01	35.71	5.0	Clear	26.4	29.0	7.3	369	3	<2	<2	<2	27	<0.01	0.07	<0.01	<0.1	<1
BHC31	19-Oct-05	14:30	Sing / VH / TY	Bailer	Sunny	-	-	6.0	S.S. present	25.3	30.0	5.7	40	36	5	<2	<2	9	<0.01	0.07	0.04	0.2	<1
BHEW1	19-Oct-05	15:28	Sing / VH / TY	Bailer	Sunny	2.40	24.72	6.0	Clear	28.3	30.0	7.1	115	-	-	-	-	-	-	<0.1	-	-	-
BHEW3	19-Oct-05	15:17	Sing / VH / TY	Bailer	Sunny	7.73	24.48	6.0	Clear	27.5	30.0	7.3	234	-	-	-	-	-	-	<0.1	-	-	-

\*Water level, refer to ground. @Water level, refer to Principal Datum, m

3 samples were analyzed by a certified lab according to the requirement of SPCIS EFD

Table 4.4

NENT Landfill  
Groundwater Monitoring Results  
November 2005

Site Name NENT Landfill

Location	Date	Time	Sampling Technician	Sampling device used	Weather	*Water Level, m	@Water level, mPD	Purge vol., l	Sample appearance	Sample temp., °C	Air temp., °C	pH	E.C., µS/cm	S.S., mg/l	COD, mg/l	BOD, mg/l	SO <sub>3</sub> <sup>-2</sup> , mg/l	SO <sub>4</sub> <sup>-2</sup> , mg/l	PO <sub>4</sub> <sup>-3</sup> , mg/l	NH <sub>3</sub> , mg/l	NO <sub>3</sub> <sup>-</sup> , mg/l	TKN, mg/l	Total Coli., cfu/100ml
BHA1	24/11/05	10:31	Sing / TY	-	Sunny	5.88	30.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA2	24/11/05	10:42	Sing / TY	-	Sunny	20.71	47.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA4	24/11/05	11:37	Sing / TY	-	Sunny	16.56	37.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA5	24/11/05	11:44	Sing / TY	-	Sunny	13.02	38.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA6	24/11/05	10:51	Sing / TY	-	Sunny	19.23	60.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA7	24/11/05	11:02	Sing / TY	-	Sunny	26.70	66.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA8	24/11/05	11:16	Sing / TY	-	Sunny	31.49	66.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA9	24/11/05	11:24	Sing / TY	-	Sunny	25.27	65.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA10	24/11/05	15:56	Sing / TY	-	Sunny	39.13	109.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA11	24/11/05	15:51	Sing / TY	-	Sunny	28.15	130.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB12	24/11/05	15:46	Sing / TY	-	Sunny	25.88	134.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB18	24/11/05	13:27	Sing / TY	-	Sunny	37.93	191.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB19	24/11/05	13:35	Sing / TY	-	Sunny	22.43	206.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB20	24/11/05	13:43	Sing / TY	-	Sunny	44.45	191.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB21	24/11/05	13:52	Sing / TY	-	Sunny	32.96	196.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB22	24/11/05	14:01	Sing / TY	-	Sunny	32.10	184.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB23	08/11/05	10:08	Sing / TY	Bailer	Fine	29.33	162.58	5.0	S.S. present	26.2	30.0	6.5	23	3360	19	<2	10	0.02	0.02	0.09	0.17	0.7	<1
BHB24	08/11/05	10:25	Sing / TY	Bailer	Fine	27.20	130.13	5.0	S.S. present	25.8	30.0	6.0	36	1340	11	<2	<1	<0.01	0.02	0.02	0.09	0.8	<1
BHB25	08/11/05	10:39	Sing / TY	Pump	Fine	26.97	108.44	6.0	Clear	24.7	30.0	6.0	147	7	2	<2	2	0.07	0.02	0.02	0.14	<0.1	<1
BHB26	08/11/05	10:52	Sing / TY	Pump	Fine	21.56	106.40	6.0	Clear	24.9	30.0	6.6	280	6	<2	<2	13	0.02	0.04	0.04	0.07	<0.1	<1
BHB27	08/11/05	11:07	Sing / TY	Pump	Fine	15.78	106.19	6.0	Clear	24.4	30.5	7.5	106	<3	<2	<2	22	<0.01	0.04	0.04	<0.01	0.1	<1
BHA28	08/11/05	11:25	Sing / TY	Pump	Fine	30.38	84.45	5.0	Clear	25.8	31.0	6.5	106	14	2	<2	12	0.02	0.05	0.05	0.01	0.3	<1
BHA29	08/11/05	11:47	Sing / TY	Pump	Fine	27.53	72.25	5.0	S.S. present	26.1	31.0	6.5	283	3	<2	<2	19	<0.01	<0.01	<0.01	<0.01	<0.1	<1
BHA30	24/11/05	15:20	Sing / TY	-	Sunny	8.22	35.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHC31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EW1	09/11/05	13:50	Sing / TY	Bailer	Sunny	2.53	24.59	5.0	Clear	28.1	31.5	7.2	110	-	-	-	-	-	-	-	<0.1	-	-
EW3	09/11/05	13:35	Sing / TY	Bailer	Sunny	7.50	24.71	5.0	Clear	27.0	31.5	7.2	234	-	-	-	-	-	-	-	<0.1	-	-

\*Water level, refer to ground.  
@Water level, refer to Principal Datum, m

NENT Landfill  
Groundwater Monitoring Results  
December 2005

Site Name NENT Landfill

Location	Date	Time	Sampling Technician	Sampling device used	Weather	*Water Level, m	@Water level, mPD	Purge vol., l	Sample appearance	Sample temp., °C	Air temp., °C	pH	E.C., µS/cm	S.S., mg/l	COD, mg/l	BOD, mg/l	SO <sub>3</sub> <sup>-2</sup> , mg/l	SO <sub>4</sub> <sup>-2</sup> , mg/l	PO <sub>4</sub> <sup>-3</sup> , mg/l	NH <sub>3</sub> , mg/l	NO <sub>3</sub> <sup>-</sup> , mg/l	TKN, mg/l	Total Coli., cfu/100ml
BHA1	22/12/05	13:43	TY / VH	-	Sunny	6.08	30.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA2	22/12/05	16:10	TY / WW	-	Sunny	21.02	46.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA4	22/12/05	13:47	TY / VH	-	Sunny	16.06	38.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA5	22/12/05	13:51	TY / VH	-	Sunny	13.28	38.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA6	22/12/05	14:05	TY / VH	-	Sunny	20.00	60.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA7	22/12/05	14:10	TY / VH	-	Sunny	28.33	64.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA8	22/12/05	14:25	TY / VH	-	Sunny	32.55	65.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA9	22/12/05	14:21	TY / VH	-	Sunny	26.34	64.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA10	08/12/05	14:51	Sing / TY	Pump	Sunny	40.21	108.35	6.0	S.S. present	24.1	21.5	7.3	158	80	<2	<2	5	0.04	0.03	0.12	<0.1	<1	
BHA11	08/12/05	14:15	Sing / TY	Pump	Sunny	28.14	130.29	5.0	S.S. present	24.0	21.5	7.5	210	212	2	<2	5	0.06	<0.01	0.03	<0.1	<1	
BHB12	08/12/05	14:34	Sing / TY	Pump	Sunny	26.70	133.43	6.0	Clear	24.3	21.5	7.7	260	<3	2	<2	7	0.03	0.17	0.02	0.2	<1	
BHB18	08/12/05	11:10	Sing / VH / TY	Pump	Sunny	38.08	190.96	6.0	Clear	22.8	18.5	7.8	153	20	<2	<2	4	0.14	<0.01	0.13	<0.1	<1	
BHB19	08/12/05	10:52	Sing / VH / TY	Pump	Sunny	22.80	205.74	6.0	Clear	23.3	18.5	7.5	307	6	<2	<2	10	<0.01	0.02	0.07	<0.1	<1	
BHB20	08/12/05	10:20	Sing / VH / TY	Pump	Sunny	44.57	191.87	6.0	S.S. present	22.8	18.0	5.8	32	129	<2	<2	2	0.07	0.04	0.16	0.1	<1	
BHB21	08/12/05	09:57	Sing / VH / TY	Pump	Sunny	33.37	196.03	6.0	Clear	22.8	17.5	6.5	152	<3	<2	<2	1	0.06	0.01	0.35	<0.1	<1	
BHB22	08/12/05	11:30	Sing / VH / TY	Pump	Sunny	33.00	183.54	5.0	S.S. present	22.5	18.5	7.3	52	16	<2	<2	1	0.08	0.01	0.85	<0.1	<1	
BHB23	23/12/05	15:03	TY / WW	-	Sunny	30.63	161.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB24	23/12/05	14:58	TY / WW	-	Sunny	26.81	130.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB25	23/12/05	14:55	TY / WW	-	Sunny	29.67	105.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB26	23/12/05	14:47	TY / WW	-	Sunny	22.39	105.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB27	23/12/05	14:42	TY / WW	-	Sunny	16.44	105.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA28	23/12/05	14:37	TY / WW	-	Sunny	30.60	84.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA29	23/12/05	14:30	TY / WW	-	Sunny	29.43	70.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA30	23/12/05	14:20	TY / WW	-	Sunny	8.38	35.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHEW1	08/12/05	15:44	Sing / TY	Bailer	Sunny	2.66	24.46	5.0	Clear	25.4	22.0	7.1	480	-	-	-	-	-	-	-	<0.1	-	-
BHEW3	08/12/05	15:35	Sing / TY	Bailer	Sunny	7.62	24.59	5.0	Clear	25.8	22.0	7.6	236	-	-	-	-	-	-	-	<0.1	-	-

\*Water level, refer to Principal Datum, m  
@Water level, refer to ground  
S.S. present - Solids present  
E.C. - Electrical Conductivity  
pH - pH  
Air temp. - Air temperature  
Sample temp. - Sample temperature  
Sample appearance - Sample appearance  
Purge vol. - Purge volume  
S.S. - Solids  
COD - Chemical Oxygen Demand  
BOD - Biological Oxygen Demand  
SO<sub>3</sub><sup>-2</sup> - Sulfite  
SO<sub>4</sub><sup>-2</sup> - Sulfate  
PO<sub>4</sub><sup>-3</sup> - Phosphate  
NH<sub>3</sub> - Ammonia  
NO<sub>3</sub><sup>-</sup> - Nitrate  
TKN - Total Kjeldahl Nitrogen  
Total Coli. - Total Coliforms

Location	Date	Time	Sampling Technician	Sampling device used	Weather	Water Level, m	Water level, mPD	Purge vol., l	Sample appearance	Sample temp., °C	Air temp., °C	pH	E.C., µS/cm	S.S., mg/l	COD, mg/l	BOD, mg/l	SO <sub>3</sub> <sup>-2</sup> , mg/l	SO <sub>4</sub> <sup>-2</sup> , mg/l	PO <sub>4</sub> <sup>-3</sup> , mg/l	NH <sub>3</sub> , mg/l	NO <sub>3</sub> <sup>-</sup> , mg/l	TKN, mg/l	Total Coli., cfu/100ml
BHA1	11/01/06	10:32	Sing / VH	Pump	Cloudy	6.49	29.95	6.0	Clear	23.6	20.0	7.4	212	<3	<2	<2	<2	21	0.04	0.60	<0.01	0.6	<1
BHA2	10/01/06	15:31	Sing / VH	Pump	Cloudy	21.19	46.53	6.0	Clear	24.4	22.0	7.4	212	<3	<2	<2	<2	15	0.05	0.01	<0.01	<0.1	<1
BHA4	10/01/06	09:50	Sing / VH	Bailer	Cloudy	16.29	38.01	5.0	S.S. Present	24.3	17.0	6.2	985	319	3	<2	<2	367	0.04	0.02	0.69	0.4	<1
BHA5	10/01/06	10:35	Sing / VH	Bailer	Cloudy	13.39	38.43	5.0	S.S. Present	24.0	18.0	6.2	985	434	16	<2	<2	21	0.02	<0.01	0.32	0.9	13
BHA6	10/01/06	11:00	Sing / VH	Bailer	Cloudy	20.41	59.71	5.0	S.S. Present	24.1	18.0	6.4	81	784	<2	<2	<2	<1	0.11	<0.01	0.12	<0.1	3
BHA7	10/01/06	11:15	Sing / VH	Bailer	Cloudy	29.22	63.95	6.0	S.S. Present	24.6	18.0	4.5	44	768	5	<2	<2	5	<0.01	<0.01	0.26	0.2	<1
BHA8	10/01/06	14:35	Sing / VH	Pump	Cloudy	33.02	64.64	6.0	Clear	25.3	24.0	7.0	180	6	<2	<2	<2	12	<0.01	<0.01	0.61	<0.1	<1
BHA9	10/01/06	15:05	Sing / VH	Pump	Cloudy	26.96	63.58	6.0	Clear	24.6	23.5	7.2	367	24	<2	<2	<2	54	0.02	<0.01	0.52	<0.1	<1
BHA10	26/01/06	10:52	Sing / VH	-	Fine	43.12	105.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA11	26/01/06	10:45	Sing / VH	-	Fine	29.24	129.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB12	26/01/06	10:39	Sing / VH	-	Fine	26.47	133.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB18	25/01/06	14:14	Sing / VH	-	Fine	38.50	190.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB19	25/01/06	14:18	Sing / VH	-	Fine	23.53	205.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB20	25/01/06	14:31	Sing / VH	-	Fine	45.01	191.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB21	25/01/06	14:39	Sing / VH	-	Fine	34.49	194.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB22	25/01/06	14:44	Sing / VH	-	Fine	33.36	183.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB23	25/01/06	14:50	Sing / VH	-	Fine	31.13	160.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB24	25/01/06	14:59	Sing / VH	-	Fine	22.86	134.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB25	25/01/06	15:06	Sing / VH	-	Fine	30.72	104.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB26	25/01/06	15:34	Sing / VH	-	Fine	22.87	105.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB27	25/01/06	15:38	Sing / VH	-	Fine	16.72	105.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA28	25/01/06	15:42	Sing / VH	-	Fine	31.02	83.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA29	25/01/06	15:50	Sing / VH	-	Fine	29.92	69.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA30	10/01/06	13:57	Sing / VH	Pump	Cloudy	8.84	34.88	5.0	Clear	25.7	21.0	7.2	367	<3	<2	<2	<2	24	<0.01	0.02	<0.01	<0.1	<1
BHC31	11/01/06	10:58	Sing / VH	Bailer	Cloudy	-	-	5.0	S.S. Present	23.2	20.5	5.1	213	250	12	<2	<2	3	<0.01	0.01	0.17	0.3	5
EW1	10/01/06	13:29	Sing / VH	Bailer	Cloudy	2.73	24.39	5.0	Clear	24.3	20.0	7.1	801	-	-	-	-	-	-	-	<0.1	-	-
EW3	10/01/06	13:18	Sing / VH	Bailer	Cloudy	7.70	24.51	5.0	Clear	24.4	20.0	7.7	241	-	-	-	-	-	-	-	<0.1	-	-

\*Water level, refer to ground.   
 @Water level, refer to Principal Datum, m.   
 @Water level, refer to Principal Datum, m.

Table 4.4a

NENT Landfill  
Groundwater Monitoring Results  
February 2006

Site Name NENT Landfill

Location	Date	Time	Sampling Technician	Sampling device used	Weather	*Water Level, m	Water level, mPD	Purge vol., l	Sample appearance	Sample temp., °C	Air temp., °C	pH	E.C., µS/cm	S.S., mg/l	COD, mg/l	BOD, mg/l	SO <sub>3</sub> <sup>-2</sup> , mg/l	SO <sub>4</sub> <sup>-2</sup> , mg/l	PO <sub>4</sub> <sup>-2</sup> , mg/l	NH <sub>3</sub> , mg/l	NO <sub>3</sub> <sup>-</sup> , mg/l	TKN, mg/l	Total Coll., ct/100ml	
BHA1	22/02/06	11:16	VH / TY	-	Sunny	6.06	30.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BHA2	22/02/06	12:04	VH / TY	-	Sunny	21.66	46.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA3	22/02/06	11:58	VH / TY	-	Sunny	19.75	45.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA4	22/02/06	11:19	VH / TY	-	Sunny	16.67	37.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA5	22/02/06	11:23	VH / TY	-	Sunny	13.60	38.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA6	22/02/06	11:31	VH / TY	-	Sunny	21.22	58.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA7	22/02/06	11:35	VH / TY	-	Sunny	31.17	62.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA8	22/02/06	11:47	VH / TY	-	Sunny	34.19	63.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA9	22/02/06	11:43	VH / TY	-	Sunny	28.04	62.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA10	22/02/06	14:25	VH / TY	-	Sunny	44.30	104.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHA11	22/02/06	14:30	VH / TY	-	Sunny	29.68	128.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB12	22/02/06	14:34	VH / TY	-	Sunny	26.76	133.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB18	22/02/06	10:35	VH / TY	-	Sunny	38.77	190.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB19	22/02/06	10:31	VH / TY	-	Sunny	23.78	204.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB20	22/02/06	10:26	VH / TY	-	Sunny	45.20	191.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB21	22/02/06	10:21	VH / TY	-	Sunny	32.89	196.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB22	22/02/06	10:18	VH / TY	-	Sunny	33.86	182.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHB23	13/02/06	10:09	Sing / TY	Bailer	Cloudy	30.22	161.69	5.00	S.S. Present	19.7	19.5	6.6	271	2010	3	<2	<2	18	0.01	<0.01	0.09	0.7	<1	<1
BHB24	13/02/06	10:27	Sing / TY	Bailer	Cloudy	26.90	130.43	5.00	S.S. Present	20.5	19.5	5.7	26	799	<2	<2	<2	<1	0.02	0.02	0.10	0.2	<1	<1
BHB25	13/02/06	10:48	Sing / TY	Pump	Cloudy	30.90	104.51	6.00	Clear	24.2	20.0	6.2	74	19	<2	<2	<2	4	0.06	<0.01	0.16	<0.1	<1	<1
BHB26	13/02/06	11:06	Sing / TY	Pump	Cloudy	23.00	104.96	6.00	Clear	24.4	20.0	6.2	74	<3	<2	<2	<2	17	<0.01	<0.01	<0.01	<0.1	<1	<1
BHB27	13/02/06	11:20	Sing / TY	Pump	Cloudy	16.93	105.04	6.00	Clear	24.1	20.0	6.2	74	9	<2	<2	<2	27	<0.01	0.04	<0.01	<0.1	<1	<1
BHA28	13/02/06	11:39	Sing / TY	Pump	Cloudy	31.23	83.60	5.00	Clear	23.2	20.0	7.0	181	6	<2	<2	<2	11	0.04	<0.01	<0.01	<0.1	<1	<1
BHA29	13/02/06	11:59	Sing / TY	Pump	Cloudy	30.29	69.49	5.00	S.S. Present	23.5	20.0	6.9	244	103	<2	<2	<2	24	<0.01	<0.01	<0.01	<0.1	<1	<1
BHA30	22/02/06	09:38	VH / TY	-	Sunny	8.57	35.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BHC31	-	-	VH / TY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EW1	13/02/06	14:25	Sing / TY	Bailer	Cloudy	2.82	24.30	5.00	Clear	24.9	20.5	6.7	615	-	-	-	-	-	-	-	<0.1	-	-	-
EW3	13/02/06	14:16	Sing / TY	Bailer	Cloudy	8.03	24.18	6.00	Clear	25.1	20.5	7.5	240	-	-	-	-	-	-	-	<0.1	-	-	-

level, refer to ground. <sup>⊗</sup>Water level, refer to Principal Datum, m

