

**Appendix A**

**Site Groundwater Data Tables**

**Table 1**  
**Groundwater Elevations - March 2009**  
**North Wake Unlined Landfill**  
**Assessment of Corrective Measures Report**

<b>Monitoring Well I.D.</b>	<b>Groundwater Elevations</b>		
	<b>TOC Elevation (feet AMSL)</b>	<b>Depth to Groundwater (feet)</b>	<b>Groundwater Elevation (feet AMSL)</b>
MW-5R	225.28	15.02	210.26
MW-6	219.80	12.55	207.25
MW-6d	218.61	12.81	205.80
MW-7	234.15	11.75	222.40
MW-8	226.38	10.07	216.31
MW-8d	226.16	11.31	214.85
MW-9	242.69	29.90	212.79
MW-10	274.76	44.18	230.58
MW-10d	274.54	47.40	227.14
MW-11	343.63	44.31	299.32
MW-11d	343.27	44.51	298.76
MW-22	254.62	34.92	219.70
MW-23	274.83	45.50	229.33
MW-23d	274.89	45.73	229.16
MW-24	266.64	44.94	221.70
MW-27	<b>ABANDONED</b>		
MW-28	237.89	17.98	219.91
MW-28d	238.44	17.71	220.73
MW-29d	275.06	42.23	232.83
MW-30	282.32	51.22	231.10
MW-31	261.67	32.53	229.14
MW-31d	260.92	31.95	228.97
MW-32	242.99	15.73	227.26
TB-1a	255.05	27.54	227.51
TB-1a deep	256.01	29.82	226.19
MW-33	222.01	10.87	211.14
MW-34	221.96	13.12	208.84
MW-34d	222.16	13.57	208.59
MW-35	223.48	16.71	206.77
MW-36	237.40	26.69	210.71
MW-36d	237.68	26.91	210.77

**NOTES:**

- (1) AMSL - Above Mean Sea Level
- (2) TOC - Top of Casing
- (3) MW-27 was abandoned on November 24, 2008 in accordance with 15A NCAC 2C .0113

**Table 2**  
**Summary of Calculated Groundwater Flow Velocities**  
**North Wake Unlined Landfill**  
**Assessment of Corrective Measures Report**

Monitoring Well Designation	Sampling Date:		11/11/2005		4/13/2006		11/9/2006		4/17/2007		11/9/2007	
	Hydraulic Conductivity ft/day (cm/s)	Effective Porosity	Gradient	Average Linear Velocity (ft/day)	Gradient	Average Linear Velocity (ft/day)	Gradient	Average Linear Velocity (ft/day)	Gradient	Average Linear Velocity (ft/day)	Gradient	Average Linear Velocity (ft/day)
MW-5R	0.33 1.16E-04	0.18	0.0179	3.28E-02	0.0417	7.65E-02	0.0399	7.32E-02	0.0125	2.29E-02	0.0119	2.18E-02
MW-6	10.58 3.73E-03	0.13	0.0172	1.40E+00	0.0172	1.40E+00	0.0172	1.40E+00	0.0132	1.07E+00	0.0125	1.02E+00
MW-7	1.15 4.06E-04	0.18	0.0172	1.10E-01	0.0172	1.10E-01	0.0172	1.10E-01	0.0208	1.33E-01	0.0278	1.78E-01
MW-8	3.61 1.27E-03	0.18	0.0217	4.35E-01	0.0313	6.28E-01	0.0313	6.28E-01	0.0135	2.71E-01	0.0125	2.51E-01
MW-9	1.22 4.30E-04	0.30	0.0152	6.18E-02	0.0152	6.18E-02	0.0152	6.18E-02	0.0200	8.13E-02	0.0172	6.99E-02
MW-10	0.509 1.80E-04	0.05	0.0250	2.55E-01	0.0250	2.55E-01	0.0250	2.55E-01	0.0417	4.25E-01	0.0556	5.66E-01
MW-11	5.66 2.00E-03	0.13	0.0200	8.71E-01	0.0204	8.88E-01	0.0204	8.88E-01	0.0213	9.27E-01	0.0213	9.27E-01
MW-22	0.07 2.47E-05	0.18	0.0278	1.08E-02	0.0385	1.50E-02	0.0385	1.50E-02	0.0400	1.56E-02	0.0278	1.08E-02
MW-23	3.59 1.27E-03	0.30	0.0208	2.49E-01	0.0227	2.72E-01	0.0227	2.72E-01	0.0208	2.49E-01	0.0196	2.35E-01
MW-24	0.34 1.20E-04	0.30	0.0161	1.82E-02	0.0156	1.77E-02	0.0156	1.77E-02	0.0313	3.55E-02	0.0417	4.73E-02
MW-36	17.56 6.19E-03	0.30										
MW-36D	0.78 2.75E-04	0.10										

Notes:  
MW-36/36D installed November 2008

**Table 2**  
**Summary of Calculated Groundwater Flow Velocities**  
**North Wake Unlined Landfill**  
**Assessment of Corrective Measures Report**

Monitoring Well Designation	Sampling Date:		5/15-21/2008		11/5-08/2008		3/10-13/2009	
	Hydraulic Conductivity ft/day (cm/s)	Effective Porosity	Gradient	Average Linear Velocity (ft/day)	Gradient	Average Linear Velocity (ft/day)	Gradient	Average Linear Velocity (ft/day)
MW-5R	0.33 1.16E-04	0.18	0.0230	4.21E-02	0.0232	4.26E-02	0.0229	4.20E-02
MW-6	10.58 3.73E-03	0.13	0.0202	1.65E+00	0.0203	1.65E+00	0.0203	1.65E+00
MW-7	1.15 4.06E-04	0.18	0.0250	1.60E-01	0.0251	1.61E-01	0.0251	1.60E-01
MW-8	3.61 1.27E-03	0.18	0.0243	4.87E-01	0.0242	4.85E-01	0.0241	4.84E-01
MW-9	1.22 4.30E-04	0.30	0.0197	8.00E-02	0.0198	8.05E-02	0.0197	8.02E-02
MW-10	0.509 1.80E-04	0.05	0.0168	1.71E-01	0.0171	1.74E-01	0.0170	1.73E-01
MW-11	5.66 2.00E-03	0.13	0.0212	9.23E-01	0.0213	9.29E-01	0.0211	9.17E-01
MW-22	0.07 2.47E-05	0.18	0.0181	7.03E-03	0.0181	7.04E-03	0.0181	7.04E-03
MW-23	3.59 1.27E-03	0.30	0.0194	2.33E-01	0.0196	2.34E-01	0.0196	2.34E-01
MW-24	0.34 1.20E-04	0.30	0.0244	2.76E-02	0.0246	2.78E-02	0.0245	2.78E-02
MW-36	17.56 6.19E-03	0.30					0.0194	1.14E+00
MW-36D	0.78 2.75E-04	0.10					0.0193	1.50E-01

Notes:  
MW-36/36D installed November 2008

**Table 3a  
Detected Groundwater Constituents - Metals  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
<b>NC2L</b>		<b>50</b>	<b>2000</b>	<b>4*</b>	<b>1.75</b>	<b>50</b>	<b>70*</b>	<b>1000</b>	<b>15</b>	<b>1.05</b>	<b>100</b>	<b>50</b>	<b>17.5</b>	<b>NE</b>	<b>0.28*</b>	<b>3.5*</b>	<b>1050</b>
<b>SWSL</b>		<b>10</b>	<b>100</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0.2</b>	<b>50</b>	<b>10</b>	<b>10</b>	<b>100</b>	<b>5.5</b>	<b>25</b>	<b>10</b>
MW-11	15-Apr-94		221				23	54	14							50	88
MW-11	11-May-94		146				19	55	14							50	83
MW-11	10-Jun-94		191				27	111	7.6		20					90	114
MW-11	3-Oct-94		143			16	26	74	8							60	85
MW-11	13-Jun-95																
MW-11	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-11	31-Oct-95	11	842	8		24	71	331	26		87					117	314
MW-11	22-Mar-96						15			1.8						51	70
MW-11	29-Nov-96	35															
MW-11	22-Apr-97																130
MW-11	31-Oct-97																66
MW-11	11-May-98																
MW-11	8-Dec-98				2.1												
MW-11	14-Apr-99																
MW-11	30-Nov-99																
MW-11	5-Apr-00				1.2												
MW-11	18-Dec-00																
MW-11	18-Apr-01																
MW-11	27-Nov-01		311					16.5									29.7
MW-11	5-Apr-02																
MW-11	5-Nov-02																
MW-11	15-Apr-03																
MW-11	29-Oct-03																
MW-11	18-Nov-04																
MW-11	21-Apr-05																
MW-11	11-Nov-05																83
MW-11	14-Apr-06																
MW-11	10-Nov-06																82
MW-11	20-Apr-07																21
MW-11	8-Nov-07		332	2.1				39	12							58	113
MW-11	15-May-08		77.8J			5.4J		10.5	3.92J				4.48J		5.63	2.9J	16.1
MW-11	10-Nov-08		53.1J	3.03	0.35JB	2.73JB		5.94JB	9.78JB				4.02JB			1.14J	8.18J
MW-11	11-Mar-09		99.1JB	6.29	0.24J	4.39JB	6.51JB	13.6B	5.84JB				6.34JB			20.3JB	20.7
MW-11d	31-Oct-95				2												
MW-11d	22-Mar-96				1												
MW-11d	29-Nov-96		26														
MW-11d	22-Apr-97																54
MW-11d	31-Oct-97																26
MW-11d	11-May-98																69
MW-11d	8-Dec-98				1.9												
MW-11d	14-Apr-99																
MW-11d	30-Nov-99																
MW-11d	5-Apr-00																
MW-11d	18-Dec-00																
MW-11d	18-Apr-01																
MW-11d	27-Nov-01																
MW-11d	5-Apr-02									0.3							
MW-11d	5-Nov-02																
MW-11d	15-Apr-03																
MW-11d	29-Oct-03																
MW-11d	18-Nov-04																
MW-11d	21-Apr-05																
MW-11d	11-Nov-05																
MW-11d	14-Apr-06																
MW-11d	10-Nov-06																
MW-11d	20-Apr-07																
MW-11d	8-Nov-07																16
MW-11d	15-May-08		59.7J	3.07		6.41J		8.21J	4.59J				3.98J		6.91	0.97J	9.82J
MW-11d	10-Nov-08		37.6J	0.36JB		1.94JB		5.8JB	8.5JB				4.37JB			4.09J	4.14J
MW-11d	16-Mar-09	4.11J	87.7JB	6.11B	0.41J	7.14JB		15.3B	6.94JB				1.22JB			20.1	21.9

**Table 3a**  
**Detected Groundwater Constituents - Metals**  
**North Wake Unlined Landfill**  
**Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
<b>NC2L</b>		<b>50</b>	<b>2000</b>	<b>4*</b>	<b>1.75</b>	<b>50</b>	<b>70*</b>	<b>1000</b>	<b>15</b>	<b>1.05</b>	<b>100</b>	<b>50</b>	<b>17.5</b>	<b>NE</b>	<b>0.28*</b>	<b>3.5*</b>	<b>1050</b>
<b>SWSL</b>		<b>10</b>	<b>100</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0.2</b>	<b>50</b>	<b>10</b>	<b>10</b>	<b>100</b>	<b>5.5</b>	<b>25</b>	<b>10</b>
MW-5	6-Mar-94		76														110
MW-5	15-Apr-94		60		0.9								62				47
MW-5	11-May-94		58		0.5			11									28
MW-5	31-May-94		66								17						63
MW-5	10-Jun-94		54						2.5								20
MW-5	30-Sep-94		48										7.3				10
MW-5	13-Jun-95																
MW-5	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-5	31-Oct-95				1												
MW-5 (dup)	31-Oct-95				1												
MW-5	30-Jan-96																237
MW-5	29-Nov-96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-5	22-Apr-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-5	1-Nov-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-5	6-May-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-5	6-Aug-98			2.2	4.9	32	24									68	190
MW-5	8-Dec-98				1.5												
MW-5	16-Apr-99				1.5		28.3										
MW-5	2-Dec-99				1		49.8										
MW-5	11-Apr-00						34.8										
MW-5	20-Dec-00						26.9										
MW-5	16-Apr-01						32.1										
MW-5	3-Dec-01						19.3										
MW-5	12-Apr-02						34.9										70.5
MW-5	5-Nov-02						37.7										
MW-5	17-Apr-03						55.1										
MW-5	4-Nov-03		533		3.06		113										
MW-5 (dup)	4-Nov-03		590		3.48		123										
MW-5	14-Apr-04				1.52		55.3										
MW-5	18-Nov-04						166										57
MW-5	21-Apr-05						18										
MW-5	11-Nov-05						139										57
MW-5	14-Apr-06						90										
MW-5	9-Nov-06						23										
MW-5	19-Apr-07		125				16										
MW-5	9-Nov-07		164														
MW-5R	21-Apr-04	12.4															
MW-5R	21-May-08		94J	1.42J		2.36J		4.54J									44.1
MW-5R	10-Nov-08		106		0.53JB	2.74JB	5.65J	4.61JB	6.76JB		9.87J		4.41JB			2.76J	8.23J
MW-5R	11-Mar-09		116B	0.63J		4.97JB	10.5B	5.48JB	4.30JB		5.44J		7.03JB			4.16JB	9.72J

**Table 3a  
Detected Groundwater Constituents - Metals  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc	
<b>NC2L</b>		<b>50</b>	<b>2000</b>	<b>4*</b>	<b>1.75</b>	<b>50</b>	<b>70*</b>	<b>1000</b>	<b>15</b>	<b>1.05</b>	<b>100</b>	<b>50</b>	<b>17.5</b>	<b>NE</b>	<b>0.28*</b>	<b>3.5*</b>	<b>1050</b>	
<b>SWSL</b>		<b>10</b>	<b>100</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0.2</b>	<b>50</b>	<b>10</b>	<b>10</b>	<b>100</b>	<b>5.5</b>	<b>25</b>	<b>10</b>	
MW-6	6-Mar-94	NS	190			32	10	33	18		33					63	51	
MW-6	15-Apr-94		144			20	12	20	11				7.3			50	27	
MW-6	11-May-94		175			30	13	33	9.3				7.3			70	35	
MW-6	1-Jun-94		260	5.4		49	16	28	14			13				100	72	
MW-6	25-Aug-94		68											7.3				
MW-6	29-Sep-94		110				19		19	6.9				7.3			40	16
MW-6	13-Jun-95				2		22				2.6						41	
MW-6	28-Sep-95		NS	NS	NS	NS	NS	NS	NS	NS	0.5	NS	NS	NS		NS	NS	NS
MW-6	31-Oct-95										2.5							
MW-6	30-Jan-96				7		44	12		13	1.8						65	61
MW-6	29-Nov-96			150	2		20	6	21	6	0.83						52	40
MW-6	22-Apr-97						12				1.1							67
MW-6	2-Nov-98						14				0.54							28
MW-6	6-May-98										0.65							
MW-6 (dup)	6-May-98																	
MW-6	8-Dec-98					1.4					0.81							
MW-6	16-Apr-99										0.7							
MW-6	2-Dec-99										0.9							
MW-6	11-Apr-00										1.1							
MW-6	19-Dec-00										1.8							
MW-6	16-Apr-01									1.9								
MW-6	3-Dec-01									0.6								
MW-6	12-Apr-02																	
MW-6	5-Nov-02									0.9								
MW-6	17-Apr-03							14.4		0.7								
MW-6	4-Nov-03							30.1		0.464								
MW-6	14-Apr-04	20.6						48.1		0.283								
MW-6	18-Nov-04				2	47		88		0.53						41		
MW-6	21-Apr-05							33										
MW-6	11-Nov-05				1	19		50										
MW-6	14-Apr-06				2	10		69										
MW-6	9-Nov-06					10		65										
MW-6	19-Apr-07							89									13	
MW-6	9-Nov-07		461					61										
MW-6	9-Nov-07		701															
MW-6	20-May-08		547	3.34	0.57J	4.84J		92.3	14.5	5.31J	0.167J	16.3J	1.6J		14.8		32.9	
MW-6	11-Nov-08		759B	3.61B	0.25J	7.98JB		74.4	20.2B	5.74J		19.1J	10.0B		15.0	7.56JB	6.90JB	
MW-6	11-Mar-09		477B		0.58J	5.14JB		72.1B	10.4B	7.43JB	0.143J	14J	8.39JB		7.8	3.78JB	4.50J	
MW-6d	8-Jun-01																	
MW-6d	4-Dec-01																	
MW-6d	9-Apr-02																	
MW-6d	7-Nov-02																	
MW-6d	16-Apr-03																	
MW-6d	5-Nov-03																	
MW-6d	21-Apr-04					17.3												
MW-6d	18-Nov-04				1													
MW-6d	21-Apr-05				1													
MW-6d	11-Nov-05				1													
MW-6d	11-Apr-06				1													
MW-6d	9-Nov-06																	
MW-6d	20-Apr-07																11	
MW-6d	8-Nov-07																	
MW-6d	20-May-08		34.2J	0.98J		5.56J		6.79J								0.61J		
MW-6d	6-Nov-08		80.3JB	1.96B		16.3B	4.52J	15.9B	9.04JB		6.77J		8.74JB		6.3	17.8JB	13.2	
MW-6d (dup)	6-Nov-08	2.57J	77.0JB	11.6B		13.5B	4.63J	14.0B	9.24JB		5.22J		8.35JB			17.9JB	12	
MW-6d	12-Mar-09		69.7J			2.30J		5.24JB							5.51	7.89JB	6.82J	

**Table 3a  
Detected Groundwater Constituents - Metals  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
<b>NC2L</b>		<b>50</b>	<b>2000</b>	<b>4*</b>	<b>1.75</b>	<b>50</b>	<b>70*</b>	<b>1000</b>	<b>15</b>	<b>1.05</b>	<b>100</b>	<b>50</b>	<b>17.5</b>	<b>NE</b>	<b>0.28*</b>	<b>3.5*</b>	<b>1050</b>
<b>SWSL</b>		<b>10</b>	<b>100</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0.2</b>	<b>50</b>	<b>10</b>	<b>10</b>	<b>100</b>	<b>5.5</b>	<b>25</b>	<b>10</b>
MW-7	6-Mar-94		190			48	17	110	22		21					67	82
MW-7	15-Apr-94		136			30	11	53	25		20					40	56
MW-7	11-May-94		51			30	11	24	6.8							40	29
MW-7	31-May-94		350	5.4		89	30	180	34		40					140	150
MW-7	25-Aug-94		44					25	2.7								19
MW-7	29-Sep-94		49			15		26	4.7							20	20
MW-7	13-Jun-95																
MW-7	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS			NS	NS
MW-7	31-Oct-95																
MW-7	30-Jan-96			2		35			10								
MW-7	29-Nov-96		17														
MW-7	21-Apr-97									0.38							
MW-7 (dup)	21-Apr-97									0.22							
MW-7	1-Nov-97									0.58							48
MW-7	6-May-98									0.24							
MW-7	8-Dec-98				2.6	15				0.25							
MW-7	16-Apr-99																
MW-7	2-Dec-99									0.2							
MW-7	11-Apr-00									0.2							
MW-7 (dup)	11-Apr-00									0.2							
MW-7	19-Dec-00									0.3							
MW-7 (dup)	19-Dec-00									0.3							
MW-7	16-Apr-01																
MW-7	4-Dec-01																
MW-7	9-Apr-02							10.1									
MW-7	6-Nov-02																
MW-7	16-Apr-03							20.3									
MW-7	5-Nov-03							19.2									
MW-7	21-Apr-04							29.5									
MW-7 (dup)	21-Apr-04	12.1						24									
MW-7	18-Nov-04							44									
MW-7	21-Apr-05							44									
MW-7	11-Nov-05							15									
MW-7	11-Apr-06							26									
MW-7	9-Nov-06				2	36		29		0.63							56
MW-7	20-Apr-07							16									18
MW-7	8-Nov-07				1	11		14	13								20
MW-7	15-May-08	2.16J	43.4J			10.8	19.3	12.6	4.28J		9.94J	10.4	5.99J		21.1		9.72J
MW-7	5-Nov-08	2.68J	38.3JB	6.84B		3.42JB		6.81JB	9.68JB				8.61JB	38JB		3.03JB	6.38J
MW-7	10-Mar-09		10.7J			8.23J	19.3	8.17J	4.72J		6.35J		3.42JB			9.49J	



**Table 3a  
Detected Groundwater Constituents - Metals  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
<b>NC2L</b>		<b>50</b>	<b>2000</b>	<b>4*</b>	<b>1.75</b>	<b>50</b>	<b>70*</b>	<b>1000</b>	<b>15</b>	<b>1.05</b>	<b>100</b>	<b>50</b>	<b>17.5</b>	<b>NE</b>	<b>0.28*</b>	<b>3.5*</b>	<b>1050</b>
<b>SWSL</b>		<b>10</b>	<b>100</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0.2</b>	<b>50</b>	<b>10</b>	<b>10</b>	<b>100</b>	<b>5.5</b>	<b>25</b>	<b>10</b>
MW-8	6-Mar-94		120			17		26			13					35	49
MW-8	15-Apr-94		97					22	4.2		20					30	35
MW-8	11-May-94		89					20	4.3							20	26
MW-8	31-May-94		330	5.4		81	34	90	16		39					150	150
MW-8	25-Aug-94		76					13	2.7								21
MW-8	30-Sep-94		82			20		14	5.4							20	19
MW-8	13-Jun-95					38	11									87	
MW-8	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS
MW-8	31-Oct-95																
MW-8	30-Jan-96			3		35	12									64	63
MW-8 (dup)	30-Jan-96			3		36	12									63	76
MW-8	29-Nov-96		120			14	5	21								31	54
MW-8 (dup)	29-Nov-96		82														19
MW-8	21-Apr-97					19											
MW-8	2-Nov-97																
MW-8	6-May-98																
MW-8	8-Dec-98				1.2												
MW-8	16-Apr-99																
MW-8 (dup)	16-Apr-99																
MW-8	2-Dec-99	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS
MW-8	11-Apr-00				2.1												
MW-8	20-Dec-00				1.5		17.1										
MW-8	16-Apr-01																
MW-8	3-Dec-01																
MW-8	12-Apr-02																
MW-8	5-Nov-02				1.2	15.3											
MW-8	17-Apr-03																
MW-8	4-Nov-03																
MW-8	14-Apr-04					19.8											
MW-8	18-Nov-04					198	72		13		114					281	161
MW-8	21-Apr-05																
MW-8	11-Nov-05			3		31			14								116
MW-8	14-Apr-06			3	2	30			14							50	111
MW-8	9-Nov-06			2		34			11								99
MW-8	20-Apr-07																
MW-8	9-Nov-07																15
MW-8	20-May-08		26.4J			4.72J		3.99J		0.091J							6.16J
MW-8	10-Nov-08		25.6J	2.49	0.33JB	3.27JB		4.37JB	9.17JB				4.03JB				
MW-8	11-Mar-09		37.1JB	2.75		4.38JB	4.48JB	5.02JB		0.045J	4.91J		7.06JB			3.71JB	
MW-8d	8-Jun-01											12.7					
MW-8d	4-Dec-01																
MW-8d	9-Apr-02																
MW-8d (dup)	9-Apr-02																
MW-8d	7-Nov-02																
MW-8d	16-Apr-03																
MW-8d	4-Nov-03																
MW-8d	21-Apr-04																
MW-8d	18-Nov-04																
MW-8d	21-Apr-05																
MW-8d	11-Nov-05																
MW-8d	14-Apr-06																
MW-8d	10-Nov-06																
MW-8d	20-Apr-07																
MW-8d	8-Nov-07																11
MW-8d	15-May-08		19.1J			6.86J		3.98J	4.10J				4.16J		8.59		4.53J
MW-8d	6-Nov-08	2.49J	25.2JB	3.61B		7.57JB		6.96JB	5.20JB				8.71JB			6.56JB	4.8J
MW-8d	16-Mar-09		44.5JB	9.80B		6.95JB		6.72JB	6.18JB				2.01JB			9.36JB	9.52J

**Table 3a**  
**Detected Groundwater Constituents - Metals**  
**North Wake Unlined Landfill**  
**Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
<b>NC2L</b>		<b>50</b>	<b>2000</b>	<b>4*</b>	<b>1.75</b>	<b>50</b>	<b>70*</b>	<b>1000</b>	<b>15</b>	<b>1.05</b>	<b>100</b>	<b>50</b>	<b>17.5</b>	<b>NE</b>	<b>0.28*</b>	<b>3.5*</b>	<b>1050</b>
<b>SWSL</b>		<b>10</b>	<b>100</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0.2</b>	<b>50</b>	<b>10</b>	<b>10</b>	<b>100</b>	<b>5.5</b>	<b>25</b>	<b>10</b>
MW-9	6-Mar-94		210														
MW-9	15-Apr-94		199					11									
MW-9	11-May-94		193					10	2.7								14
MW-9	31-May-94		270			24	14	25	21							<b>23</b>	120
MW-9	25-Aug-94		135														14
MW-9	29-Sep-94		123						4.2								12
MW-9	13-Jun-95							14									
MW-9	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-9	31-Oct-95																
MW-9	30-Jan-96			<b>4</b>	1	20	16		<b>17</b>								65
MW-9	29-Nov-96		140														21
MW-9	22-Apr-97																
MW-9	2-Nov-97							11									37
MW-9	6-May-98																
MW-9	8-Dec-98				1.5												
MW-9	16-Apr-99																
MW-9	2-Dec-99																
MW-9	11-Apr-00																
MW-9	20-Dec-00																
MW-9	16-Apr-01																
MW-9	3-Dec-01	11	166														
MW-9 (dup)	3-Dec-01	12.2	160														
MW-9	12-Apr-02														<b>10.8</b>		
MW-9	5-Nov-02							10.1									
MW-9	17-Apr-03							10.6									
MW-9	4-Nov-03							11.3									
MW-9	14-Apr-04	20.6						11.8									
MW-9	18-Nov-04				<b>7</b>			10									
MW-9	21-Apr-05																
MW-9	11-Nov-05																
MW-9	14-Apr-06				<b>3</b>												
MW-9	9-Nov-06																
MW-9	19-Apr-07		289	2	1	17		12	<b>21</b>								122
MW-9	9-Nov-07		186														16
MW-9	20-May-08		190	2.9		27		5.8J	10.6		11.3J	8.29J	2.84J		<b>10.4</b>		5.58J
MW-9 (dup)	20-May-08		190			22.7	5.15J	5.87J	8.38J				3.16J		<b>11.1</b>		6.10J
MW-9	11-Nov-08		218B	0.3JB		12.4B	6.99J	9.59JB	13.5			8.93J	11.1B		<b>16.9</b>	<b>8.49JB</b>	14.4B
MW-9	11-Mar-09		178B			7.63JB	9.53JB	3.17JB	10.3B				8.89JB			<b>4.57JB</b>	
MW-9 (MW-18 dup)	11-Mar-09		179B			9.27JB	9.33JB	3.39JB	6.28JB		6.45J		8.78JB		<b>7.3</b>	<b>10.8JB</b>	9.56J

**Table 3a  
Detected Groundwater Constituents - Metals  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
<b>NC2L</b>		<b>50</b>	<b>2000</b>	<b>4*</b>	<b>1.75</b>	<b>50</b>	<b>70*</b>	<b>1000</b>	<b>15</b>	<b>1.05</b>	<b>100</b>	<b>50</b>	<b>17.5</b>	<b>NE</b>	<b>0.28*</b>	<b>3.5*</b>	<b>1050</b>
<b>SWSL</b>		<b>10</b>	<b>100</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0.2</b>	<b>50</b>	<b>10</b>	<b>10</b>	<b>100</b>	<b>5.5</b>	<b>25</b>	<b>10</b>
MW-10	31-Oct-95																
MW-10	30-Jan-96																
MW-10	28-Nov-96		71				14										
MW-10	22-Apr-97					31	23									43	98
MW-10	1-Nov-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	5-May-98				1.3				13	0.34							720
MW-10	18-Aug-98				4.9												150
MW-10	10-Sep-98																
MW-10	6-Oct-98				1.2												
MW-10	8-Dec-98				2												
MW-10	11-Jan-99																
MW-10	8-Feb-99																
MW-10 (dup)	8-Feb-99																
MW-10	16-Apr-99																
MW-10	2-Dec-99									0.3							
MW-10	12-Apr-00																
MW-10	20-Dec-00																
MW-10	17-Apr-01																
MW-10	3-Dec-01																
MW-10	12-Apr-02																
MW-10	5-Nov-02									0.5							
MW-10 (dup)	5-Nov-02									0.4							
MW-10	17-Apr-03									0.4							
MW-10	4-Nov-03																
MW-10	14-Apr-04																
MW-10	18-Nov-04				2												
MW-10	21-Apr-05																
MW-10	11-Nov-05									1.1							
MW-10	14-Apr-06																
MW-10	9-Nov-06																
MW-10	19-Apr-07									0.38							
MW-10	9-Nov-07		399														
MW-10	20-May-08		24.1J		0.21J	2.08J		6.28J		0.374					6.74		8.03J
MW-10	11-Nov-08	5.71JB	174B	12.2B	0.84J	9.86JB	4.73J	32.9B	25.2	7.53	8.21J		9.75JB			24.9JB	59.3B
MW-10	11-Mar-09		29.3JB		0.20J	2.27JB	5.65JB	3.07JB	7.77JB	0.247J	5.41J		7.13JB			4.32JB	7.14J
MW-10d	8-Jun-01							30		0.3							
MW-10d	4-Dec-01																
MW-10d	9-Apr-02																
MW-10d	5-Nov-02																
MW-10d	17-Apr-03	10.9			1.1	10.1											
MW-10d	4-Nov-03																
MW-10d	26-Apr-04																
MW-10d	18-Nov-04																
MW-10d	21-Apr-05				5												
MW-10d	11-Nov-05				5												
MW-10d	14-Apr-06				4												
MW-10d	10-Nov-06																
MW-10d	20-Apr-07																
MW-10d	8-Nov-07				1												
MW-10d	20-May-08	9.06J	57.9J	0.5J		33		31.8	21.9	0.123J	18.7J		3.92J		5.93	18.9J	28.6
MW-10d	6-Nov-08	5.94J	40.7JB	5.27B		149B	5.12J	22.9B	15.1B		80.3		8.15JB			16.7JB	22
MW-10d	12-Mar-09			0.75J		4.38J		3.46JB	4.98J							9.69JB	8.62J

**Table 3a**  
**Detected Groundwater Constituents - Metals**  
**North Wake Unlined Landfill**  
**Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
<b>NC2L</b>		<b>50</b>	<b>2000</b>	<b>4*</b>	<b>1.75</b>	<b>50</b>	<b>70*</b>	<b>1000</b>	<b>15</b>	<b>1.05</b>	<b>100</b>	<b>50</b>	<b>17.5</b>	<b>NE</b>	<b>0.28*</b>	<b>3.5*</b>	<b>1050</b>
<b>SWSL</b>		<b>10</b>	<b>100</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0.2</b>	<b>50</b>	<b>10</b>	<b>10</b>	<b>100</b>	<b>5.5</b>	<b>25</b>	<b>10</b>
MW-22	9-Jun-97				2.9		130				66						
MW-22	18-Aug-97	11.9			4.4		229		14.3		164						68.6
MW-22	2-Nov-97				1.5		210		12		130						230
MW-22	6-May-98						110				51						80
MW-22	18-Aug-98				9.6		110										210
MW-22	10-Sep-98						100										
MW-22	6-Oct-98						99										
MW-22	8-Dec-98				1.9		130										
MW-22	11-Jan-99				1.5		202				55						
MW-22	8-Feb-99				2		168										
MW-22	16-Apr-99				4.1	10.1	261		21		70.9						
MW-22	2-Dec-99				7.4		160										
MW-22	12-Apr-00				6.1		98.1										
MW-22	20-Dec-00				2.4		60.7										
MW-22	17-Apr-01				1.2		31.4										
MW-22	5-Dec-01						26.9										
MW-22	9-Apr-02				2.1		63.5										
MW-22	6-Nov-02				1.2		26.5										
MW-22	17-Apr-03																
MW-22	5-Nov-03				1.19	11.1	30.1		12.9								
MW-22	26-Apr-04																
MW-22	18-Nov-04				3		15										
MW-22	22-Apr-05			3	3	17	48		62								196
MW-22	11-Nov-05				2		13										
MW-22	14-Apr-06				2		12										
MW-22	10-Nov-06				2		15										
MW-22	20-Apr-07				2												20
MW-22	8-Nov-07				2.8		24		13								32
MW-22	15-May-08		45J		4.66	8.9J	25.1	7.09J	10.3		16.2J	7.95J	5.69J		7.37	1.3J	16.3
MW-22	6-Nov-08	4.58J	75.5JB	2.45B	6.68	9.28JB	44.9	9.38JB	15.4B		27.5J	10.5	10.6B			20.7JB	32.6
MW-22	12-Mar-09		21.5J		10.3	2.39J	26.9	1.92JB	4.02J		11.6J		1.79J		6.65	35.1B	10.3

**Table 3a**  
**Detected Groundwater Constituents - Metals**  
**North Wake Unlined Landfill**  
**Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
<b>NC2L</b>		<b>50</b>	<b>2000</b>	<b>4*</b>	<b>1.75</b>	<b>50</b>	<b>70*</b>	<b>1000</b>	<b>15</b>	<b>1.05</b>	<b>100</b>	<b>50</b>	<b>17.5</b>	<b>NE</b>	<b>0.28*</b>	<b>3.5*</b>	<b>1050</b>
<b>SWSL</b>		<b>10</b>	<b>100</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0.2</b>	<b>50</b>	<b>10</b>	<b>10</b>	<b>100</b>	<b>5.5</b>	<b>25</b>	<b>10</b>
MW-23	9-Jun-97	10.3			2.3		14.2		18.8		59.1						
MW-23	18-Aug-97		600	4.7	2.6	54	35		56		110					170	260
MW-23	2-Nov-97																
MW-23	5-May-98																
MW-23	18-Aug-98				5.4	24	10		17							50	150
MW-23	10-Sep-98																
MW-23	6-Oct-98				1.6					0.26							
MW-23	8-Dec-98				1.7												
MW-23 (dup)	8-Dec-98				2.3												
MW-23	11-Jan-99									0.20							
MW-23	8-Feb-99									0.20							
MW-23	16-Apr-99					11.2			23.8	0.7							
MW-23	2-Dec-99									0.2							
MW-23 (dup)	2-Dec-99																
MW-23	12-Apr-00									1.1							
MW-23	20-Dec-00																
MW-23	17-Apr-01																
MW-23	4-Dec-01																
MW-23	11-Apr-02																
MW-23	6-Nov-02																
MW-23	17-Apr-03																
MW-23 (dup)	17-Apr-03																
MW-23	5-Nov-03																
MW-23	26-Apr-04																
MW-23	18-Nov-04																
MW-23	21-Apr-05																
MW-23	11-Nov-05																
MW-23	14-Apr-06																
MW-23	9-Nov-06					13		39									133
MW-23	20-Apr-07		133	2		10	23	29								28	102
MW-23	8-Nov-07		123	1			21	21								27	92
MW-23	15-May-08	3.35J	90.7J	6.57		18.8	4.50J	32.7	11.7		10.3J		4.56J			30	49.2
MW-23	6-Nov-08	4.07J	65.4JB	1.96B		10.6B		18.3B	13.2B		8.28J		8.41JB			17.5JB	15.9
MW-23	12-Mar-09		62.1J	2.99		11.9	3.31J	22.1B	13		7.02J					36.7B	35

**Table 3a  
Detected Groundwater Constituents - Metals  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
<b>NC2L</b>		<b>50</b>	<b>2000</b>	<b>4*</b>	<b>1.75</b>	<b>50</b>	<b>70*</b>	<b>1000</b>	<b>15</b>	<b>1.05</b>	<b>100</b>	<b>50</b>	<b>17.5</b>	<b>NE</b>	<b>0.28*</b>	<b>3.5*</b>	<b>1050</b>
<b>SWSL</b>		<b>10</b>	<b>100</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0.2</b>	<b>50</b>	<b>10</b>	<b>10</b>	<b>100</b>	<b>5.5</b>	<b>25</b>	<b>10</b>
MW-23d	5-May-98																80
MW-23d	18-Aug-98				4												63
MW-23d	10-Sep-98				1.6				11								
MW-23d	6-Oct-98				2.0					0.22							60
MW-23d	8-Dec-98				1.8												83
MW-23d	11-Jan-99																
MW-23d	8-Feb-99																
MW-23d	16-Apr-99																
MW-23d	2-Dec-99																
MW-23d	12-Apr-00																
MW-23d	20-Dec-00									0.8							
MW-23d	17-Apr-01																
MW-23d	4-Dec-01																
MW-23d	11-Apr-02																
MW-23d	6-Nov-02																
MW-23d	17-Apr-03																
MW-23d	5-Nov-03																
MW-23d	26-Apr-04																
MW-23d	18-Nov-04																
MW-23d	21-Apr-05				2				12								55
MW-23d	11-Nov-05				1												
MW-23d	14-Apr-06																
MW-23d	9-Nov-06																
MW-23d	20-Apr-07																
MW-23d	8-Nov-07																10
MW-23d	15-May-08		36.5J			5.10J		3.39J					3.39J				
MW-23d	6-Nov-08		48.8JB	7.34B		6.57JB		5.63JB	6.76JB				8.81JB			8.38JB	4.77J
MW-23d	12-Mar-09		24.4J			1.71J		3.23JB								9.35JB	12.6
MW-24	9-Jun-97																
MW-24	18-Aug-97				1.7		11.2										52.8
MW-24	1-Nov-97																66
MW-24 (dup)	1-Nov-97								12	0.25							91
MW-24	5-May-98																
MW-24	18-Aug-98				4.7				16								180
MW-24 (dup)	18-Aug-98	11		2.1	8.9	12	11		22								290
MW-24	10-Sep-98									0.44							
MW-24	6-Oct-98									0.98							
MW-24	8-Dec-98									0.62							
MW-24	8-Dec-98									0.62							
MW-24	11-Jan-99									0.50							
MW-24	16-Apr-99								13.7	0.4							53.1
MW-24	2-Dec-99																
MW-24	12-Apr-00									0.3							
MW-24	20-Dec-00																
MW-24	16-Apr-01									0.3							
MW-24 (dup)	16-Apr-01																
MW-24	3-Dec-01																
MW-24	12-Apr-02																
MW-24	5-Nov-02																
MW-24	17-Apr-03									0.4							
MW-24	4-Nov-03																
MW-24	14-Apr-04																
MW-24	18-Nov-04																68
MW-24	21-Apr-05									1.2							
MW-24	11-Nov-05				5				52	0.65							
MW-24	14-Apr-06				3	2			41	2							539
MW-24	9-Nov-06				4				48	1.7							492
MW-24	19-Apr-07				1				14	0.68							464
MW-24	9-Nov-07				3.3			15	31	0.98							112
MW-24	20-May-08		42.4J	3.85		3.47J		7.58J	7.16J	0.046J							305
MW-24	11-Nov-08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	27.4
MW-24	12-Mar-09		52.3J			4.48J		8.35JB	9.33J	0.168J						NS	NS
																18JB	57.1

**Table 3a**  
**Detected Groundwater Constituents - Metals**  
**North Wake Unlined Landfill**  
**Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
<b>NC2L</b>		<b>50</b>	<b>2000</b>	<b>4*</b>	<b>1.75</b>	<b>50</b>	<b>70*</b>	<b>1000</b>	<b>15</b>	<b>1.05</b>	<b>100</b>	<b>50</b>	<b>17.5</b>	<b>NE</b>	<b>0.28*</b>	<b>3.5*</b>	<b>1050</b>
<b>SWSL</b>		<b>10</b>	<b>100</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0.2</b>	<b>50</b>	<b>10</b>	<b>10</b>	<b>100</b>	<b>5.5</b>	<b>25</b>	<b>10</b>
MW-27	4-May-98																
MW-27	7-Dec-98				1	21											
MW-27	29-Apr-99				2.3		19										
MW-27	3-Dec-99						13.2										
MW-27	12-Apr-00				1.7		14.5			0.5							75.6
MW-27	18-Apr-01																
MW-27	12-Apr-02				1.7		10.5										51.8
MW-27	17-Apr-03																
MW-27	26-Apr-04																
MW-27	22-Apr-05			3	1	11										57	216
MW-27	11-Nov-05																
MW-27	14-Apr-06																
MW-28	1-May-98																
MW-28	17-Aug-98				5.6												
MW-28	9-Sep-98																
MW-28	7-Oct-98				8.8	43	24									80	150
MW-28	9-Dec-98				8.9	39	19									68	140
MW-28	12-Jan-99																
MW-28	9-Feb-99																
MW-28	19-Apr-99																
MW-28	3-Dec-99																
MW-28	12-Apr-00																
MW-28	18-Apr-01																
MW-28	12-Apr-02																
MW-28	17-Apr-03																
MW-28	26-Apr-04																
MW-28	22-Apr-05			2		33	13			17						67	331
MW-28	13-Apr-06					12											66
MW-28	20-Apr-07					11											88
MW-28	19-May-08		75.8J	4.29		16.9	3.18J	6.12J	4.16J							25.1	39.9
MW-28	12-Mar-09		22.8J			4.87J							0.89J			10.1JB	13
MW-28d	1-May-98																
MW-28d	17-Aug-98																
MW-28d	9-Sep-98					1.3											
MW-28d	7-Oct-98																
MW-28d	9-Dec-98									0.25							
MW-28d	12-Jan-99																
MW-28d (dup)	12-Jan-99																
MW-28d	9-Feb-99																
MW-28d	19-Apr-99																
MW-28d	3-Dec-99																
MW-28d	12-Apr-00																
MW-28d	18-Apr-01																
MW-28d	12-Apr-02																
MW-28d	17-Apr-03																
MW-28d	26-Apr-04																
MW-28d	22-Apr-05																
MW-28d	13-Apr-06																
MW-28d	20-Apr-07																35
MW-28d	19-May-08				7.76	1.53J		5J	3.8J							1.52J	
MW-28d	12-Mar-09					2.99J		2.04JB	6.28J							12.7JB	8.95J

**Table 3a**  
**Detected Groundwater Constituents - Metals**  
**North Wake Unlined Landfill**  
**Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
<b>NC2L</b>		<b>50</b>	<b>2000</b>	<b>4*</b>	<b>1.75</b>	<b>50</b>	<b>70*</b>	<b>1000</b>	<b>15</b>	<b>1.05</b>	<b>100</b>	<b>50</b>	<b>17.5</b>	<b>NE</b>	<b>0.28*</b>	<b>3.5*</b>	<b>1050</b>
<b>SWSL</b>		<b>10</b>	<b>100</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0.2</b>	<b>50</b>	<b>10</b>	<b>10</b>	<b>100</b>	<b>5.5</b>	<b>25</b>	<b>10</b>
MW-29d	4-May-98					13											
MW-29d	17-Aug-98																
MW-29d	9-Sep-98				1	17											
MW-29d (dup)	9-Sep-98					11											
MW-29d	7-Oct-98				2.7	18											53
MW-29d	9-Dec-98									0.24							
MW-29d	12-Jan-99																
MW-29d	9-Feb-99																
MW-29d	19-Apr-99																
MW-29d	3-Dec-99																
MW-29d	12-Apr-00																
MW-29d	19-Dec-00																
MW-29d	18-Apr-01																
MW-29d	4-Dec-01																
MW-29d	11-Apr-02																
MW-29d	6-Nov-02																
MW-29d	18-Apr-03																
MW-29d	5-Nov-03																
MW-29d	26-Apr-04																
MW-29d	18-Nov-04				2												
MW-29d	22-Apr-05																
MW-29d	11-Nov-05																
MW-29d	14-Apr-06																
MW-29d	10-Nov-06																
MW-29d	20-Apr-07							16									56
MW-29d	9-Nov-07																24
MW-29d	19-May-08		33.8J	6.72		4.31J		5.61J									4.02J
MW-29d	7-Nov-08		49.8JB	10.7B		8.58JB	3.47J	12.1B	5.59JB				8.05JB			12.1JB	10.5
MW-29d	10-Mar-09					11.8J		5.96J	6.80J				1.97JB		6.41	7.77J	8.23J
MW-30	4-May-98					60	19									56	60
MW-30	17-Aug-98				34	50	19				50					50	190
MW-30	9-Sep-98					16					50						140
MW-30	7-Oct-98				1.1												
MW-30	7-Dec-98				2.6	20											
MW-30	12-Jan-99					20											
MW-30	9-Feb-99					20											
MW-30	19-Apr-99																
MW-30	3-Dec-99																
MW-30	12-Apr-00																
MW-30	19-Dec-00																
MW-30	18-Apr-01																
MW-30	4-Dec-01																
MW-30	11-Apr-02																
MW-30	6-Nov-02																
MW-30	17-Apr-03																
MW-30	5-Nov-03																
MW-30	28-Apr-04																
MW-30	18-Nov-04					108	41		12		71					107	89
MW-30	21-Apr-05																
MW-30	11-Nov-05					13											
MW-30	14-Apr-06					15											
MW-30	10-Nov-06					32											83
MW-30	20-Apr-07		416	3		43		60	18							44	150
MW-30	9-Nov-07		419	3.2		117		160	21							118	147
MW-30	19-May-08		106	10.1		31.9	5.84J	58.4	4.9J		52					30.7	25.9
MW-30	7-Nov-08		149B	0.59JB		32.0B	5.75J	58.4B	8.97JB		13.9J		8.54JB			53.4B	38.4
MW-30	11-Mar-09		206B	3.46		61.6B	20.3B	116B	14.4B		34.4J		6.51JB			85.9B	57.8



**Table 3a**  
**Detected Groundwater Constituents - Metals**  
**North Wake Unlined Landfill**  
**Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
<b>NC2L</b>		<b>50</b>	<b>2000</b>	<b>4*</b>	<b>1.75</b>	<b>50</b>	<b>70*</b>	<b>1000</b>	<b>15</b>	<b>1.05</b>	<b>100</b>	<b>50</b>	<b>17.5</b>	<b>NE</b>	<b>0.28*</b>	<b>3.5*</b>	<b>1050</b>
<b>SWSL</b>		<b>10</b>	<b>100</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0.2</b>	<b>50</b>	<b>10</b>	<b>10</b>	<b>100</b>	<b>5.5</b>	<b>25</b>	<b>10</b>
MW-31	1-May-98																
MW-31	17-Aug-98				<b>14</b>	<b>88</b>			<b>38</b>		82					<b>81</b>	220
MW-31	9-Sep-98				<b>3.3</b>	42			<b>15</b>								530
MW-31	7-Oct-98				<b>1.8</b>	10											
MW-31	8-Dec-98				<b>2.6</b>	24											
MW-31	11-Jan-99																
MW-31	8-Feb-99																
MW-31	19-Apr-99																
MW-31	3-Dec-99																
MW-31	13-Apr-00																
MW-31	19-Dec-00																
MW-31	17-Apr-01					16.5											
MW-31	6-Dec-01					<b>55</b>											
MW-31	11-Apr-02																
MW-31	6-Nov-02																
MW-31	18-Apr-03																
MW-31	5-Nov-03																
MW-31	28-Apr-04																
MW-31	18-Nov-04					<b>64</b>	32		14							<b>120</b>	64
MW-31	21-Apr-05																
MW-31	11-Nov-05					17											
MW-31	14-Apr-06																
MW-31	9-Nov-06					15											
MW-31	20-Apr-07																
MW-31	9-Nov-07			1		38		19	<b>22</b>	0.22						<b>47</b>	32
MW-31	19-May-08		50.7J			18.1		13.6	8.81J		6.67J		4.33J		<b>7.52</b>	16.9J	13
MW-31	7-Nov-08		66.6JB			30.0B		23.3B	<b>15.3B</b>		7.34J		8.57JB			<b>40.3B</b>	12.1
MW-31	11-Mar-09		85.6JB	1.34		30.2B	6.48JB	21.7B	<b>19.2B</b>		11J		6.54JB			<b>36.4B</b>	11.1
MW-31d	1-May-98			3		<b>110</b>	13		<b>19</b>		68					<b>280</b>	210
MW-31d	17-Aug-98				<b>8.6</b>	10											94
MW-31d	9-Sep-98				<b>2.8</b>	25										<b>60</b>	260
MW-31d	7-Oct-98				<b>2.2</b>												
MW-31d	8-Dec-98																
MW-31d	11-Jan-99					19.1											
MW-31d	8-Feb-99																
MW-31d	19-Apr-99																
MW-31d	3-Dec-99																
MW-31d	13-Apr-00																
MW-31d	19-Dec-00																
MW-31d	18-Apr-01																
MW-31d	6-Dec-01																
MW-31d	11-Apr-02																
MW-31d	6-Nov-02																
MW-31d	18-Apr-03					10.1											
MW-31d	5-Nov-03																
MW-31d	28-Apr-04																
MW-31d	18-Nov-04					24										<b>50</b>	
MW-31d	21-Apr-05																
MW-31d	11-Nov-05																
MW-31d	14-Apr-06																
MW-31d	9-Nov-06																
MW-31d	20-Apr-07																10
MW-31d	9-Nov-07																
MW-31d	19-May-08		23.2J			8.61J		4.27J	3.63J				4.16J	7.6J		6.26J	4.39J
MW-31d	6-Nov-08	2.66J	31.2JB	<b>6.26B</b>		11.7B		8.19JB	10.2B		5.34J		8.47JB			<b>25.1B</b>	6.85J
MW-31d	10-Mar-09					5.52J			5.19J				1.44JB			<b>19.9J</b>	

**Table 3a  
Detected Groundwater Constituents - Metals  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
<b>NC2L</b>		<b>50</b>	<b>2000</b>	<b>4*</b>	<b>1.75</b>	<b>50</b>	<b>70*</b>	<b>1000</b>	<b>15</b>	<b>1.05</b>	<b>100</b>	<b>50</b>	<b>17.5</b>	<b>NE</b>	<b>0.28*</b>	<b>3.5*</b>	<b>1050</b>
<b>SWSL</b>		<b>10</b>	<b>100</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0.2</b>	<b>50</b>	<b>10</b>	<b>10</b>	<b>100</b>	<b>5.5</b>	<b>25</b>	<b>10</b>
MW-32	1-May-98					23	44									41	59
MW-32	17-Aug-98				5.5	10	31										130
MW-32	9-Sep-98				5.4	34	45				54	NS	NS	NS	NS	60	240
MW-32	6-Oct-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-32	7-Dec-98				8	40	42				77					74	85
MW-32	11-Jan-99						26.5										
MW-32	8-Feb-99						24										
MW-32	19-Apr-99						28.1										
MW-32	3-Dec-99						25.1										
MW-32	13-Apr-00				1.2		40.9										
MW-32	19-Dec-00				1.0		25.8										
MW-32	17-Apr-01						22.8										
MW-32	4-Dec-01						14.7										
MW-32	11-Apr-02						12.1										
MW-32	6-Nov-02						12.2										
MW-32	18-Apr-03				1.4		24										
MW-32	4-Nov-03						10.3										
MW-32	28-Apr-04						10.5										
MW-32	18-Nov-04						11										
MW-32	21-Apr-05																
MW-32	11-Nov-05																
MW-32	14-Apr-06																
MW-32	9-Nov-06																
MW-32	20-Apr-07							18									21
MW-32	9-Nov-07																29
MW-32	19-May-08		16.7J			4.81J		10.7	4.53J				4.35J			0.72J	5.83J
MW-32	6-Nov-08		18.4JB	8.50B		4.14JB	4.41J	6.41JB	6.36JB				9.0JB			8.39JB	4.39J
MW-32	11-Mar-09		23.5JB			4.00JB	7.94JB	13.4B	5.74JB		5.61J		6.91JB			10.9JB	
TB-1a	1-May-98				1.1								14				50
TB-1a	17-Aug-98				9.3	21	20										130
TB-1a	9-Sep-98				2.6	14	16										160
TB-1a	7-Oct-98				4.0	17	14										
TB-1a (dup)	7-Oct-98				2.1		14										
TB-1a	9-Dec-98				3.0					0.22							
TB-1a	11-Jan-99																
TB-1a	8-Feb-99																
TB-1a	19-Apr-99																
TB-1a	3-Dec-99																
TB-1a	13-Apr-00																
TB-1a	20-Dec-00																
TB-1a	17-Apr-01																
TB-1a	3-Dec-01							17.3									
TB-1a	12-Apr-02																
TB-1a	5-Nov-02				2.2	12.7											
TB-1a	17-Apr-03																
TB-1a	4-Nov-03																
TB-1a	14-Apr-04																
TB-1a	18-Nov-04				2	20											
TB-1a	21-Apr-05				2												
TB-1a	11-Nov-05				2	12				0.95							67
TB-1a	14-Apr-06				3					0.88							
TB-1a	9-Nov-06				5	17				2.5							87
TB-1a	19-Apr-07				39	14		88	14	1.9						30	262
TB-1a	8-Nov-07				8			29									51
TB-1a	20-May-08		22J	1.94	0.87J	3.47J		16.8	3.79J	0.143J							10.1
TB-1a	11-Nov-08	12.9	502		5.92	95.8B	44.9	511B	19.4	0.76	75.5	27.8	7.84JB			200B	198
TB-1a	11-Mar-09		64.8JB	3.46	3.25	9.58JB	9.49JB	39B	9.25JB	0.253J	12.2J		6.57JB			23.9JB	17.3

**Table 3a**  
**Detected Groundwater Constituents - Metals**  
**North Wake Unlined Landfill**  
**Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
<b>NC2L</b>		<b>50</b>	<b>2000</b>	<b>4*</b>	<b>1.75</b>	<b>50</b>	<b>70*</b>	<b>1000</b>	<b>15</b>	<b>1.05</b>	<b>100</b>	<b>50</b>	<b>17.5</b>	<b>NE</b>	<b>0.28*</b>	<b>3.5*</b>	<b>1050</b>
<b>SWSL</b>		<b>10</b>	<b>100</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0.2</b>	<b>50</b>	<b>10</b>	<b>10</b>	<b>100</b>	<b>5.5</b>	<b>25</b>	<b>10</b>
TB-1a deep	8-Jun-01																
TB-1a deep	6-Dec-01																
TB-1a deep	11-Apr-02																
TB-1a deep	6-Nov-02																
TB-1a deep	18-Apr-03																
TB-1a deep	4-Nov-03																
TB-1a deep	28-Apr-04																
TB-1a deep	18-Nov-04																
TB-1a deep	21-Apr-05																
TB-1a deep	11-Nov-05																
TB-1a deep	14-Apr-06																
TB-1a deep	10-Nov-06																
TB-1a deep	20-Apr-07																
TB-1a deep	8-Nov-07																
TB-1a deep	19-May-08		15.6J			22.6		5.37J	5.36J		6.9J		4.69J		5.54	6.86J	7.06J
TB-1a deep	7-Nov-08		15.2JB	1.05B		16.8B		8.18JB	5.33JB				8.69JB			18.9JB	
TB-1a deep	12-Mar-09			4.48	0.23J	12.6		3.46JB	6.73J							9.29JB	18.5
MW-33	6-Aug-98				5.8	46	18									73	110
MW-33	7-Dec-98				2.7	18											
MW-33	26-Apr-99					15.5											58.5
MW-33	2-Dec-99					18.1											61
MW-33	13-Apr-00																
MW-33	18-Apr-01																
MW-33	9-Apr-02																
MW-33	16-Apr-03				1.2	26.9	11.8									47.1	71.5
MW-33	21-Apr-04					10.5											
MW-33	22-Apr-05		660	3		54			32							92	885
MW-33	14-Apr-06			3		47	15		27							80	669
MW-33	20-Apr-07					19		14								30	1165
MW-33	15-May-08		54.9J			20.2		14.6	5.11J		6.9J		4.47J		10.7	19.2J	31.1
MW-33	12-Mar-09		21.9J			4.58J		1.88JB	4.65J							7.79JB	5.35J
MW-34	6-Aug-98			4.9	8.4	43	20				64					110	180
MW-34	7-Dec-98				2.2	14											59
MW-34	26-Apr-99																73.2
MW-34	2-Dec-99																
MW-34	13-Apr-00																
MW-34	18-Apr-01																
MW-34	9-Apr-02																
MW-34	16-Apr-03																
MW-34	21-Apr-04														10.3		
MW-34	22-Apr-05		1108	10	1.0	29			33							74	439
MW-34	13-Apr-06																
MW-34	20-Apr-07																16
MW-34	19-May-08		121			11.7		12.3		0.191J	5.43J		4.19J			8.81J	23
MW-34	12-Mar-09		73J			3.78J		3.8JB		0.121J						12.7JB	12.2

**Table 3a  
Detected Groundwater Constituents - Metals  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc	
<b>NC2L</b>		<b>50</b>	<b>2000</b>	<b>4*</b>	<b>1.75</b>	<b>50</b>	<b>70*</b>	<b>1000</b>	<b>15</b>	<b>1.05</b>	<b>100</b>	<b>50</b>	<b>17.5</b>	<b>NE</b>	<b>0.28*</b>	<b>3.5*</b>	<b>1050</b>	
<b>SWSL</b>		<b>10</b>	<b>100</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0.2</b>	<b>50</b>	<b>10</b>	<b>10</b>	<b>100</b>	<b>5.5</b>	<b>25</b>	<b>10</b>	
MW-34d	6-Aug-98																	
MW-34d (dup)	6-Aug-98																	
MW-34d	7-Dec-98																	
MW-34d	26-Apr-99																	
MW-34d	2-Dec-99																	
MW-34d	13-Apr-00																	
MW-34d	18-Apr-01																	
MW-34d	9-Apr-02					12.5												
MW-34d	16-Apr-03																	
MW-34d	21-Apr-04																	
MW-34d	22-Apr-05																	
MW-34d	13-Apr-06				4.0													
MW-34d	20-Apr-07																	
MW-34d	19-May-08		27.4J			10.1		3.95J	5.49J				4.46J					
MW-34d	12-Mar-09		21.5J			4.48J		2.29JB							5.78	8.27JB	18	
MW-35	6-Aug-98			4.3	9.8	47	30				52					120	130	
MW-35	7-Dec-98				4.6	22	15				79					43	74	
MW-35	26-Apr-99						13											
MW-35	2-Dec-99																	
MW-35	13-Apr-00																	
MW-35	18-Apr-01																	
MW-35	9-Apr-02																	
MW-35	16-Apr-03																	
MW-35	21-Apr-04																	
MW-35	22-Apr-05			5		19			18							52	134	
MW-35	13-Apr-06			2		10												
MW-35	20-Apr-07		316			39										109	149	
MW-35	19-May-08		49.5J		1.0	5.40J	10	55					4.43J		11.7		8.04J	
MW-35	10-Mar-09		34J					6.03J					1.42JB		8.59J			
MW-36	4-Dec-08		159B			52.3B	21.9	57.5B	13.6	0.13JB	24.2J	9.10J				81.6	47.1	
MW-36	10-Mar-09		107			13	5.23J	19.1			5.71J		1.56JB			27.2	11.5	
MW-36d	4-Dec-08		102B			70.4B	6.46J	32.8B	4.12J	0.13JB	20.0J					7.59	37	55.6
MW-36d	10-Mar-09		39.8J			18.1		11.6	3.94J		9.35J		1.87JB			16.6J		

Notes:  
 All units are in micrograms per liter (parts per billion)  
 [shaded] - Concentration exceeds NC Groundwater Standards (2L)  
 [white] - Indicates results below detection limits  
 \* - groundwater protection standard  
 NS - Not Sampled; NE - standard not established; dup - duplicate sample  
 J - Indicates the analytical result is an estimated concentration between the Method Detection Limit and the Solid Waste Sector Reporting Limit (SWSL)  
 B - Indicates that the amount detected in the method blank was greater than the Method Detection Lim  
 MW-27 was abandoned on November 24, 2008 in accordance with 15A NCAC 2C .0113

**Table 3b  
Detected Constituents - Volatile and Semi-Volatile Organic Compounds  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3,4-Methylphenol		
NC2L		700	1	0.56	0.0004	700	50	2800	70	2.6	1.4	24	1400	70	0.38	7	70	100	0.51	550	4.6	4200	100	0.7	1000	200	2.8	2100	0.005	0.015	530	NE	5000	700	NE	3.5		
SWSL		100	1	1	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10		
MW-11	15-Apr-94																																					
MW-11	11-May-94																																					
MW-11	25-Aug-94																																					
MW-11	29-Sep-94																																					
MW-11	13-Jun-95																																					
MW-11	28-Sep-95																																					
MW-11	31-Oct-95																																					
MW-11	22-Mar-96																																					
MW-11	27-Nov-96																																					
MW-11	22-Apr-97																																					
MW-11	31-Oct-97																																					
MW-11	11-May-98																																					
MW-11	8-Dec-98																																					
MW-11	14-Apr-99																																					
MW-11	30-Nov-99																																					
MW-11	5-Apr-00																																					
MW-11	18-Dec-00																																					
MW-11	18-Apr-01																																					
MW-11	27-Nov-01																																					
MW-11	5-Apr-02																																					
MW-11	5-Nov-02																																					
MW-11	15-Apr-03																																					
MW-11	30-Oct-03																																					
MW-11	21-Apr-04																																					
MW-11	18-Nov-04																																					
MW-11	21-Apr-05																																					
MW-11	11-Nov-05																																					
MW-11	14-Apr-06																																					
MW-11	10-Nov-06																																					
MW-11	20-Apr-07																																					
MW-11	8-Nov-07																																					
MW-11	15-May-08																																					
MW-11	10-Nov-08																																					
MW-11	11-Mar-09								0.12J 0.14J																													

**Table 3b  
Detected Constituents - Volatile and Semi-Volatile Organic Compounds  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3,4-Methylphenol			
NC2L		700	1	0.56	0.0004	700	50	2800	70	2.6	1.4	24	1400	70	0.38	7	70	100	0.51	550	4.6	4200	100	0.7	1000	200	2.8	2100	0.005	0.015	530	NE	5000	700	NE	3.5			
SWSL		100	1	1	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10			
MW-11d	31-Oct-95																																						
MW-11d	22-Mar-96																																						
MW-11d	27-Nov-96																																						
MW-11d	22-Apr-97																																						
MW-11d	31-Oct-97																																						
MW-11d	11-May-98																																						
MW-11d	8-Dec-98																																						
MW-11d	14-Apr-99																																						
MW-11d	30-Nov-99																																						
MW-11d	5-Apr-00																																						
MW-11d	18-Dec-00																																						
MW-11d	18-Apr-01																																						
MW-11d	27-Nov-01																																						
MW-11d	5-Apr-02																																						
MW-11d	5-Nov-02																																						
MW-11d	15-Apr-03																																						
MW-11d	30-Oct-03																																						
MW-11d	21-Apr-04																																						
MW-11d	18-Nov-04																																						
MW-11d	21-Apr-05																																						
MW-11d	11-Nov-05																																						
MW-11d	14-Apr-06																																						
MW-11d	10-Nov-06																																						
MW-11d	20-Apr-07																																						
MW-11d	8-Nov-07																																						
MW-11d	15-May-08																																						
MW-11d	10-Nov-08																																						
MW-11d	16-Mar-09																																						

**Table 3b  
Detected Constituents - Volatile and Semi-Volatile Organic Compounds  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3,3,4-Methylphenol			
NC2L		700	1	0.56	0.0004	700	50	2800	70	2.6	1.4	24	1400	70	0.38	7	70	100	0.51	550	4.6	4200	100	0.7	1000	200	2.8	2100	0.005	0.015	530	NE	5000	700	NE	3.5			
SWSL		100	1	1	1	100	3	10	5	1.0	1	5	5	1	5	5	5	5	1.00	1	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10			
MW-5	6-Mar-94		4.9																																				
MW-5	15-Apr-94		4.2					35.7		5.7				150		0.84	2.1									5.3	14		9.2										
MW-5	11-May-94		2.4					24		5.7				99.6	1.1	1.2	1.5										11.8		17.9										
MW-5	31-May-94		3.1											74		1.1												8.2											
MW-5	10-Jun-94		2.8					24.5	0.6					47		1.2	1.2								2		7.2		26										
MW-5	30-Sep-94		1.9					18.7						71.8		1.4	1.2											8.1											
MW-5	13-Jun-95		10					48						41.6														4.6											
MW-5	28-Sep-95	NS	NS	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	31-Oct-95		9					61						230														11											
MW-5 (dup)	31-Oct-95		9					53						210														16											
MW-5	30-Jan-96		10					50						198														17											
MW-5	28-Nov-96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	22-Apr-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	1-Nov-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	6-May-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-5	8-Dec-98		7.9					20					10	74			15																						
MW-5	16-Apr-99		8					22						87			42																						
MW-5	2-Dec-99		6											60			72																						
MW-5	11-Apr-00		6											70			34																						
MW-5	20-Dec-00							14									17																						
MW-5	16-Apr-01																29																						
MW-5	3-Dec-01																31																						
MW-5	12-Apr-02																32																						
MW-5	5-Nov-02							10									26																						
MW-5	17-Apr-03																24																						
MW-5	4-Nov-03	540																																					
MW-5	4-Nov-03	490																																					
MW-5	14-Apr-04																																						
MW-5	18-Nov-04																									1000													
MW-5	21-Apr-05																																						
MW-5	11-Nov-05							6	9.2																														
MW-5	14-Apr-06																																						
MW-5	9-Nov-06							8.6	5.8																														
MW-5	19-Apr-07							6.7	6.8																														
MW-5	8-Nov-07		4.9				5.9	20.5	8.8																														
MW-5R	21-Apr-04													13.1			56.2																						
MW-5R	21-May-08		0.34J					1.00J	0.67J					0.8J			4.22J																						
MW-5R	10-Nov-08		0.23J					0.63J						0.61J			1.95J																						
MW-5R	11-Mar-09																																						

**Table 3b  
Detected Constituents - Volatile and Semi-Volatile Organic Compounds  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3,3,4-Methylphenol				
NC2L		700	1	0.56	0.0004	700	50	2800	70	2.6	1.4	24	1400	70	0.38	7	70	100	0.51	550	4.6	4200	100	0.7	1000	200	2.8	2100	0.005	0.015	530	NE	5000	700	NE	3.5				
SWSL		100	1	1	1	100	3	10	5	1.0	1	5	5	1	5	5	5	1.00	1	1	100	1	1	1	1	1	1	1	1	1	5	15	10	10	10	10				
MW-6	6-Mar-94		1.7						0.83					34							37					5.9	4.6	3.9												
MW-6	15-Apr-94							8.5		1.2				12.5							21					2.1	2.6													
MW-6	11-May-94							18.4		1.2				28.7							64.2					4.9	2.6													
MW-6 (dup)	1-Jun-94		3.7						4.3					50							130					14	7.5	11												
MW-6	25-Aug-94							22						36							79.8																			
MW-6	29-Sep-94		2					18		66				34							6.1					1.4														
MW-6	13-Jun-95							19						28							61						6													
MW-6	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-6	31-Oct-95							22						32							56						6													
MW-6	30-Jan-96		6					37						61							91						11													
MW-6	29-Nov-96							34						41							88						16													
MW-6	22-Apr-97		5.4					37						29							90			5.2			15													
MW-6	2-Nov-97		6.1					28						28							140						17													
MW-6	6-May-98							29						34							140						19													
MW-6 (dup)	6-May-98							30						35							140						19													
MW-6	8-Dec-98							26						40							180						19													
MW-6	16-Apr-99		5					16						26							110						11													
MW-6	2-Dec-99													12							67						6													
MW-6	11-Apr-00													12							63						6													
MW-6	19-Dec-00													6							20																			
MW-6	16-Apr-01													8							46																			
MW-6	3-Dec-01													6							6																			
MW-6	12-Apr-02													7							26																			
MW-6	5-Nov-02																				10																			
MW-6	17-Apr-03																																							
MW-6	4-Nov-03																																							
MW-6	14-Apr-04																																							
MW-6	18-Nov-04																																							
MW-6	21-Apr-05																																							
MW-6	11-Nov-05																																							
MW-6	14-Apr-06																																							
MW-6	9-Nov-06																																							
MW-6	19-Apr-07																																							
MW-6	8-Nov-07		3.3																																					
MW-6	20-May-08		3.85					1J	3.85J												0.62J																			
MW-6	11-Nov-08		4.12					1.29J	3.90J				0.33J	1.22J	1.27J						2.22J					0.20J	0.98J													
MW-6	11-Mar-09		3.3					1.22J	2.43J					0.75J							1.08					0.11J	0.71J													



**Table 3b  
Detected Constituents - Volatile and Semi-Volatile Organic Compounds  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3,4-Methylphenol		
NC2L		700	1	0.56	0.0004	700	50	2800	70	2.6	1.4	24	1400	70	0.38	7	70	100	0.51	550	4.6	4200	100	0.7	1000	200	2.8	2100	0.005	0.015	530	NE	5000	700	NE	3.5		
SWSL		100	1	1	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10		
MW-6d	8-Jun-01													8																								
MW-6d	4-Dec-01																																					
MW-6d	9-Apr-02																																					
MW-6d	7-Nov-02																																					
MW-6d	16-Apr-03																																					
MW-6d	4-Nov-03																																					
MW-6d	21-Apr-04																																					
MW-6d	18-Nov-04																																					
MW-6d	21-Apr-05																																					
MW-6d	11-Nov-05																																					
MW-6d	11-Apr-06																																					
MW-6d	9-Nov-06																																					
MW-6d	20-Apr-07																																					
MW-6d	8-Nov-07																																					
MW-6d	20-May-08								0.49J				3.04J	5.7			0.85J			0.34J							0.91J	0.91J										
MW-6d	6-Nov-08		0.23J						0.57J		0.44J		2.76J	6.12		1.10J			0.77J								1.13	1.10										
MW-6d (dup)	6-Nov-08		0.25J						0.61J		0.45J		2.69J	6.16		1.00J			0.68J								1.13	0.99J										
MW-6d	12-Mar-09								0.43J				1.47J	3.24J			0.54J			0.33J							0.49J	0.55J										

**Table 3b  
Detected Constituents - Volatile and Semi-Volatile Organic Compounds  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3,3,4-Methylphenol				
NC2L		700	1	0.56	0.0004	700	50	2800	70	2.6	1.4	24	1400	70	0.38	7	70	100	0.51	550	4.6	4200	100	0.7	1000	200	2.8	2100	0.005	0.015	530	NE	5000	700	NE	3.5				
SWSL		100	1	1	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10				
MW-7	6-Mar-94																																							
MW-7	15-Apr-94																																							
MW-7	11-May-94																																							
MW-7	31-May-94																																							
MW-7	25-Aug-94																																							
MW-7	29-Sep-94																																							
MW-7	13-Jun-95																																							
MW-7	28-Sep-95	NS	NS	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
MW-7	31-Oct-95							11						5																										
MW-7	30-Jan-96													9			2																							
MW-7	29-Nov-96							22						11			5.9								4				5											
MW-7	21-Apr-97							19						10			6.2																							
MW-7	1-Nov-97							26						17			21																							
MW-7	6-May-98							24						20			36				12							5.2												
MW-7	8-Dec-98		7.2					32						14			24																							
MW-7	16-Apr-99							21						9			16																							
MW-7	2-Dec-99													8			17																							
MW-7	11-Apr-00													8			17																							
MW-7 (dup)	11-Apr-00													5			10																						16	
MW-7	19-Dec-00													6			12																							
MW-7 (dup)	19-Dec-00													6			12																							
MW-7	16-Apr-01													6			13																							
MW-7	4-Dec-01																																							
MW-7	9-Apr-02																7																							
MW-7	6-Nov-02																12																							
MW-7	16-Apr-03																24																							
MW-7	5-Nov-03																15																							
MW-7	21-Apr-04																18.3																							
MW-7 (dup)	21-Apr-04																19.9																							
MW-7	18-Nov-04																16.4																							
MW-7	21-Apr-05																26																							
MW-7	11-Nov-05																12.2																							
MW-7	14-Apr-06																19.3																							
MW-7	9-Nov-06																27.2																							
MW-7	20-Apr-07																24.3																							
MW-7	8-Nov-07		3.5														22.3																						5.4	
MW-7	15-May-08		1.61				0.24J										7.7																					7.7		
MW-7	5-Nov-08		1.04				0.14J										7.68																						2.74	
MW-7	10-Mar-09		1.56				0.20J										3.14J									0.15J													2.09	
MW-7																	3.40J									0.68J													2.73	
																																								0.96J
																																								2.36J

**Table 3b  
Detected Constituents - Volatile and Semi-Volatile Organic Compounds  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3,4-Methylphenol			
<b>NC2L</b>		<b>700</b>	<b>1</b>	<b>0.56</b>	<b>0.0004</b>	<b>700</b>	<b>50</b>	<b>2800</b>	<b>70</b>	<b>2.6</b>	<b>1.4</b>	<b>24</b>	<b>1400</b>	<b>70</b>	<b>0.38</b>	<b>7</b>	<b>70</b>	<b>100</b>	<b>0.51</b>	<b>550</b>	<b>4.6</b>	<b>4200</b>	<b>100</b>	<b>0.7</b>	<b>1000</b>	<b>200</b>	<b>2.8</b>	<b>2100</b>	<b>0.005</b>	<b>0.015</b>	<b>530</b>	<b>NE</b>	<b>5000</b>	<b>700</b>	<b>NE</b>	<b>3.5</b>			
<b>SWSL</b>		<b>100</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>100</b>	<b>3</b>	<b>10</b>	<b>5</b>	<b>1.0</b>	<b>1</b>	<b>5</b>	<b>5</b>	<b>1</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>1.00</b>	<b>1</b>	<b>1</b>	<b>100</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>15</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>				
MW-8	6-Mar-94		6.8																																				
MW-8	15-Apr-94		7.9					39.8	2.2																														
MW-8	11-May-94		5.6					34	1.3	8.8																													
MW-8	31-May-94		12																																				
MW-8	25-Aug-94							51.3		1.1																													
MW-8	30-Sep-94		5.8					35			12.2																												
MW-8	13-Jun-95							15																															
MW-8	28-Sep-95	NS	NS	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	31-Oct-95		8					40																															
MW-8	30-Jan-96		10					37																															
MW-8	29-Nov-96		4		8			15																															
MW-8	21-Apr-97																																						
MW-8	2-Nov-97																																						
MW-8	6-May-98		5.7																																				
MW-8	8-Dec-98																																						
MW-8	16-Apr-99																																						
MW-8 (dup)	16-Apr-99	NS	NS	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-8	11-Apr-00																																						
MW-8	20-Dec-00																																						
MW-8	16-Apr-01																																						
MW-8	3-Dec-01																																						
MW-8	12-Apr-02																																						
MW-8	5-Nov-02																																						
MW-8	17-Apr-03																																						
MW-8	4-Nov-03																																						
MW-8	14-Apr-04																																						
MW-8	18-Nov-04																																						
MW-8	21-Apr-05																																						
MW-8	11-Nov-05																																						
MW-8	14-Apr-06																																						
MW-8	9-Nov-06																																						
MW-8	20-Apr-07																																						
MW-8	8-Nov-07																																						
MW-8	20-May-08		0.19J				0.16J		0.38J			0.16J		0.96J						0.76J				0.28J			0.39J												
MW-8	10-Nov-08		0.14J						0.39J					0.58J						1.17				0.17J	0.11J		0.23J												
MW-8	11-Mar-09		0.20J				0.19J		0.32J					0.61J						0.30J																			

**Table 3b  
Detected Constituents - Volatile and Semi-Volatile Organic Compounds  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3,3,4-Methylphenol			
NC2L		700	1	0.56	0.0004	700	50	2800	70	2.6	1.4	24	1400	70	0.38	7	70	100	0.51	550	4.6	4200	100	0.7	1000	200	2.8	2100	0.005	0.015	530	NE	5000	700	NE	3.5			
SWSL		100	1	1	1	100	3	10	5	1.0	1	5	5	5	5	5	5	1.00	1	1	100	1	1	1	1	1	1	1	1	1	5	15	10	10	10	10			
MW-8d	8-Jun-01																																						
MW-8d	4-Dec-01																																						
MW-8d	9-Apr-02																																						
MW-8d (dup)	9-Apr-02																																						
MW-8d	7-Nov-02																																						
MW-8d	16-Apr-03																																						
MW-8d	4-Nov-03																																						
MW-8d	21-Apr-04																																						
MW-8d	18-Nov-04																																						
MW-8d	21-Apr-05																																						
MW-8d	11-Nov-05																																						
MW-8d	14-Apr-06																																						
MW-8d	10-Nov-06																																						
MW-8d	20-Apr-07																																						
MW-8d	8-Nov-07																																						
MW-8d	15-May-08								0.28J					0.17J			0.07J																						
MW-8d	6-Nov-08								0.31J																														
MW-8d	16-Mar-09								0.39J					0.14J			0.07J				0.62J																		

**Table 3b  
Detected Constituents - Volatile and Semi-Volatile Organic Compounds  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3,3,4-Methylphenol			
NC2L		700	1	0.56	0.0004	700	50	2800	70	2.6	1.4	24	1400	70	0.38	7	70	100	0.51	550	4.6	4200	100	0.7	1000	200	2.8	2100	0.005	0.015	530	NE	5000	700	NE	3.5			
SWSL		100	1	1	1	100	3	10	5	1.0	1	5	5	5	5	5	5	5	1.00	1	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10			
MW-9	6-Mar-94		5.3					14.1	5.8		1.6		100		1.3				0.73	680				6.6	6	7	8.7	4.2		0.96	15.2								
MW-9	15-Apr-94		5.6						4.9	7.3	2.4		96.8		1.8	0.7				357				8.2	1.6		12.4	3.6											
MW-9	11-May-94		6.8						5	20.1			134							357				7.6			13												
MW-9	31-May-94		8.2						6.6		3.4		170		1.7					460				8.8	1.7	8.7	14	3.6											
MW-9	25-Aug-94												165							558																			
MW-9	29-Sep-94		7						5.1				131							400																			
MW-9	13-Jun-95		11					20					28							258																			
MW-9	28-Sep-95	NS	NS	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-9	31-Oct-95		15					29					310							278																			
MW-9	30-Jan-96		14					22					33																										
MW-9	29-Nov-96		22										280																										
MW-9	22-Apr-97		24										16																										
MW-9	2-Nov-97												32																										
MW-9	6-May-98		17										31																										
MW-9	8-Dec-98		14										53																										
MW-9	16-Apr-99		7										49																										
MW-9	2-Dec-99												120																										
MW-9	11-Apr-00												110																										
MW-9	20-Dec-00												25																										
MW-9	16-Apr-01												20																										
MW-9	3-Dec-01												25																										
MW-9 (dup)	3-Dec-01												20																										
MW-9	12-Apr-02												89																										
MW-9	5-Nov-02												97																										
MW-9	17-Apr-03		5										19																										
MW-9	4-Nov-03		5										19																										
MW-9	14-Apr-04		5.86										11.8																										
MW-9	18-Nov-04												13.2																										
MW-9	21-Apr-05												9.5																										
MW-9	11-Nov-05												8.3																										
MW-9	14-Apr-06												63.1																										
MW-9	9-Nov-06												47.6																										
MW-9	19-Apr-07		4.4										39.9																										
MW-9	8-Nov-07		1.6										8.4																										
MW-9	20-May-08		2.17					0.28J	3.53J				7.4																										
MW-9 (dup)	20-May-08		2.27					0.27J					28.9	0.86J		3.83J	0.23J		0.9J	1.51	0.24J				1.01		0.45J	0.24J											
MW-9	11-Nov-08		1.74					0.20J	2.24J				30.3			3.62J				1.32	0.26J				1.03		0.42J												
MW-9	11-Mar-09		1.96					0.24J	2.50J				21.6			3.28J				1.06	0.72J				0.60J		0.28J												
MW-9	11-Mar-09		1.96					0.24J	2.36J				22.9			4.16J	0.15J	0.86J		1.06					0.54J		0.20J												
MW-9 (MW-18 dup)	11-Mar-09		1.85					0.24J					22.5			4.14J	0.13J	0.83J		1.06					0.54J		0.24J												

**Table 3b  
Detected Constituents - Volatile and Semi-Volatile Organic Compounds  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3,3,4-Methylphenol		
<b>NC2L</b>		<b>700</b>	<b>1</b>	<b>0.56</b>	<b>0.0004</b>	<b>700</b>	<b>50</b>	<b>2800</b>	<b>70</b>	<b>2.6</b>	<b>1.4</b>	<b>24</b>	<b>1400</b>	<b>70</b>	<b>0.38</b>	<b>7</b>	<b>70</b>	<b>100</b>	<b>0.51</b>	<b>550</b>	<b>4.6</b>	<b>4200</b>	<b>100</b>	<b>0.7</b>	<b>1000</b>	<b>200</b>	<b>2.8</b>	<b>2100</b>	<b>0.005</b>	<b>0.015</b>	<b>530</b>	<b>NE</b>	<b>5000</b>	<b>700</b>	<b>NE</b>	<b>3.5</b>		
<b>SWSL</b>		<b>100</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>100</b>	<b>3</b>	<b>10</b>	<b>5</b>	<b>1.0</b>	<b>1</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>1</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>1.00</b>	<b>1</b>	<b>1</b>	<b>100</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>15</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>		
MW-10	6-Mar-94		2.4					18.1	2.5					37												16	9.8	12								26.7		
MW-10	15-Apr-94		1.8					1.6	1.6	5.5				24.2													8	8									16.9	
MW-10	11-May-94		1.4					1.7	1.7	4				23													6.8	16.3										6.7
MW-10	31-May-94		3.7					3.9	3.9					57													4.7	15	15									19.1
MW-10	25-Aug-94							47.7		18.7				72						8						9.2	18.4	18									15	
MW-10	29-Sep-94		4.2					37.7	3.4	7.2				56.3		3.5										13	3.5	19	17.1								13.1	
MW-10	13-Jun-95		7					53		13			18	84												20	14										14	
MW-10	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	31-Oct-95		7					33		44			46	44												7	14	8	14									8
MW-10	30-Jan-96		8					48		10			29	101												9	8	18									8	
MW-10	28-Nov-96							3		12			12	12												2	2	2										
MW-10	22-Apr-97		12					31		NS			8.5	160												15	120	25	33								19.6	
MW-10	1-Nov-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
MW-10	8-Dec-98									140				140													16	19										12
MW-10	11-Jan-99		7					19		140				140													14	18										NS
MW-10	8-Feb-99		9					24		140				140													17	21										NS
MW-10 (dup)	8-Feb-99		8					20		130				130													13	17										NS
MW-10	16-Apr-99									160				160																								16
MW-10	2-Dec-99									40				40																								14
MW-10	12-Apr-00									46				46																								
MW-10	20-Dec-00									35				35																								
MW-10	17-Apr-01									34				34																								
MW-10	3-Dec-01									26				26																								
MW-10	12-Apr-02									22				22																								
MW-10	5-Nov-02									20			6	20																								
MW-10 (dup)	5-Nov-02									21			6	21																								
MW-10	17-Apr-03									26			5	26																								
MW-10	4-Nov-03									26			5	26																								
MW-10	14-Apr-04												5																									189
MW-10	18-Nov-04																																					37
MW-10	21-Apr-05																																					
MW-10	11-Nov-05													5.7																								
MW-10	14-Apr-06																																					
MW-10	9-Nov-06													7.8																								
MW-10	19-Apr-07													6.3																								24
MW-10	8-Nov-07																																					21
MW-10	20-May-08		1.16					1.03J			0.46J		0.55J	6.07		0.14J					1																	
MW-10	11-Nov-08		2.26					1.46J			0.66J		0.83J	9.44							3.69						1.81	0.17J				0.49J	0.52J				3.12J	
MW-10	11-Mar-09		3.53					1.50J			0.50J			8.52							1.89						2.99	4				1.67	0.41J					
MW-10																																						

**Table 3b  
Detected Constituents - Volatile and Semi-Volatile Organic Compounds  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3&4-Methylphenol			
NC2L		700	1	0.56	0.0004	700	50	2800	70	2.6	1.4	24	1400	70	0.38	7	70	100	0.51	550	4.6	4200	100	0.7	1000	200	2.8	2100	0.005	0.015	530	NE	5000	700	NE	3.5			
SWSL		100	1	1	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10			
MW-10d	8-Jun-01													12																									
MW-10d	4-Dec-01													17																									
MW-10d	11-Apr-02													16																									
MW-10d	5-Nov-02													13																									
MW-10d	17-Apr-03													11																									
MW-10d	4-Nov-03													8																									
MW-10d	26-Apr-04													5.9																									
MW-10d	18-Nov-04																																						
MW-10d	21-Apr-05																																						
MW-10d	11-Nov-05																																						
MW-10d	14-Apr-06																																						
MW-10d	10-Nov-06																																						
MW-10d	20-Apr-07																																						
MW-10d	8-Nov-07									0.3J																													
MW-10d	20-May-08									0.21J																													
MW-10d	6-Nov-08		0.22J							0.36J				2.01J																									
MW-10d	12-Mar-09									0.26J				2.30J																									
MW-22	9-Jun-97																																						
MW-22	18-Aug-97																																						
MW-22	2-Nov-97																																						
MW-22	6-May-98																																						
MW-22	8-Dec-98																																						
MW-22	16-Apr-99																																						
MW-22	2-Dec-99																																						
MW-22	12-Apr-00																																						
MW-22	20-Dec-00																																						
MW-22	17-Apr-01																																						
MW-22	4-Dec-01																																						
MW-22	9-Apr-02																																						
MW-22	6-Nov-02																																						
MW-22	17-Apr-03																																						
MW-22	5-Nov-03																																						
MW-22	26-Apr-04																																						
MW-22	19-Nov-04																																						
MW-22	22-Apr-06																																						
MW-22	11-Nov-05																																						
MW-22	14-Apr-07																																						
MW-22	9-Nov-06																																						
MW-22	20-Apr-07																																						
MW-22	8-Nov-07																																						
MW-22	15-May-08																																						
MW-22	6-Nov-08																																						
MW-22	12-Mar-09																																						

**Table 3b  
Detected Constituents - Volatile and Semi-Volatile Organic Compounds  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3,4-Methylphenol		
NC2L		700	1	0.56	0.0004	700	50	2800	70	2.6	1.4	24	1400	70	0.38	7	70	100	0.51	550	4.6	4200	100	0.7	1000	200	2.8	2100	0.005	0.015	530	NE	5000	700	NE	3.5		
SWSL		100	1	1	1	100	3	10	5	1.0	1	5	5	5	1	5	5	1.00	1	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10			
MW-23	9-Jun-97							40						86																								
MW-23	18-Aug-97							33						93			7.6								16	6.4	9.1											
MW-23	2-Nov-97							26																														
MW-23	5-May-98																																					
MW-23	8-Dec-98																																					
MW-23 (dup)	8-Dec-98																																					
MW-23	16-Apr-99																																					
MW-23	2-Dec-99																																					
MW-23 (dup)	2-Dec-99																																					
MW-23	12-Apr-00																																					
MW-23	20-Dec-00																																					
MW-23	17-Apr-01																																					
MW-23	4-Dec-01																																					
MW-23	11-Apr-02																																					
MW-23	6-Nov-02																																					
MW-23	17-Apr-03																																					
MW-23 (dup)	17-Apr-03																																					
MW-23	5-Nov-03																																					
MW-23	26-Apr-04																																					
MW-23	19-Nov-04																																					
MW-23	21-Apr-05																																					
MW-23	11-Nov-05																																					
MW-23	14-Apr-06																																					
MW-23	9-Nov-06																																					
MW-23	20 ap 07																																					
MW-23	8-Nov-07																																					
MW-23	15-May-08								0.17J					0.67J																								
MW-23	6-Nov-08													0.35J																								
MW-23	12-Mar-09													0.35J																								



**Table 3b  
Detected Constituents - Volatile and Semi-Volatile Organic Compounds  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Acetone	Benzene	Bromochloromethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3&4-Methylphenol			
<b>NC2L</b>		<b>700</b>	<b>1</b>	<b>0.56</b>	<b>0.0004</b>	<b>700</b>	<b>50</b>	<b>2800</b>	<b>70</b>	<b>2.6</b>	<b>1.4</b>	<b>24</b>	<b>1400</b>	<b>70</b>	<b>0.38</b>	<b>7</b>	<b>70</b>	<b>100</b>	<b>0.51</b>	<b>550</b>	<b>4.6</b>	<b>4200</b>	<b>100</b>	<b>0.7</b>	<b>1000</b>	<b>200</b>	<b>2.8</b>	<b>2100</b>	<b>0.005</b>	<b>0.015</b>	<b>530</b>	<b>NE</b>	<b>5000</b>	<b>700</b>	<b>NE</b>	<b>3.5</b>			
<b>SWSL</b>		<b>100</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>100</b>	<b>3</b>	<b>10</b>	<b>5</b>	<b>1.0</b>	<b>1</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>1</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>1.00</b>	<b>1</b>	<b>1</b>	<b>100</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>15</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>				
MW-23d	5-May-98																																						
MW-23d	8-Dec-98																																						
MW-23d	16-Apr-98																																						
MW-23d	2-Dec-99																																						
MW-23d	12-Apr-00																																						
MW-23d	20-Dec-00																																						
MW-23d	17-Apr-01																																						
MW-23d	4-Dec-01																																						
MW-23d	11-Apr-02																																						
MW-23d	6-Nov-02																																						
MW-23d	17-Apr-03																																						
MW-23d	5-Nov-03																																						
MW-23d	26-Apr-04																																						
MW-23d	19-Nov-04								6.4																													7.8	
MW-23d	21-Apr-05								6.9																														
MW-23d	11-Nov-05																																						
MW-23d	14-Apr-06																																						
MW-23d	9-Nov-06																																						
MW-23d	20-Apr-07																																						
MW-23d	8-Nov-07																																						
MW-23d	15-May-08								0.3J																														
MW-23d	6-Nov-08								0.15J																														
MW-23d	12-Mar-09								0.24J																														

**Table 3b  
Detected Constituents - Volatile and Semi-Volatile Organic Compounds  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3,3,4-Methylphenol								
<b>NC2L</b>		<b>700</b>	<b>1</b>	<b>0.56</b>	<b>0.0004</b>	<b>700</b>	<b>50</b>	<b>2800</b>	<b>70</b>	<b>2.6</b>	<b>1.4</b>	<b>24</b>	<b>1400</b>	<b>70</b>	<b>0.38</b>	<b>7</b>	<b>70</b>	<b>100</b>	<b>0.51</b>	<b>550</b>	<b>4.6</b>	<b>4200</b>	<b>100</b>	<b>0.7</b>	<b>1000</b>	<b>200</b>	<b>2.8</b>	<b>2100</b>	<b>0.005</b>	<b>0.015</b>	<b>530</b>	<b>NE</b>	<b>5000</b>	<b>700</b>	<b>NE</b>	<b>3.5</b>								
<b>SWSL</b>		<b>100</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>100</b>	<b>3</b>	<b>10</b>	<b>5</b>	<b>1.0</b>	<b>1</b>	<b>5</b>	<b>5</b>	<b>1</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>100</b>	<b>1.00</b>	<b>1</b>	<b>1</b>	<b>100</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>15</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>								
MW-24	9-Jun-97							12						37						14	200				160		8.5						57											
MW-24	18-Aug-97													68			5.1					380				400																		
MW-24	1-Nov-97													56								340				260												98						
MW-24 (dup)	1-Nov-97													68								370				340												131						
MW-24	5-May-98													42								240				230												112						
MW-24	8-Dec-98		12					30						85		26						280				140		15										93						
MW-24	16-Apr-99							19						55								170				46												60						
MW-24	2-Dec-99													25								43																21						
MW-24	12-Apr-00													42		5						39		7				7										33						
MW-24	20-Dec-00													44		5						29		8				7										21						
MW-24	16-Apr-01													34		5						18		6														12						
MW-24 (dup)	16-Apr-01													34		5						20		6														12						
MW-24	3-Dec-01													33		5						12		6														10						
MW-24	12-Apr-02													27										6														8						
MW-24	5-Nov-02													21																														
MW-24	17-Apr-03													19																									30					
MW-24	4-Nov-03													9																														
MW-24	14-Apr-04													6.5																														
MW-24	18-Nov-04																																											
MW-24	21-Apr-05																																											
MW-24	11-Nov-05																																											
MW-24	14-Apr-06													7																														
MW-24	9-Nov-06													8.5																														
MW-24	19-Apr-07													9.8																														
MW-24	8-Nov-07													11.4																														
MW-24	20-May-08													7.2																														
MW-24	11-Nov-08													14.8																														
MW-24	12-Mar-09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.29J	NS	NS	NS	NS	NS	NS	0.19J	NS	NS	0.38J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.52J	NS	NS	NS	NS		
MW-24														0.26J											0.62J															1.69J				
MW-27	4-May-98																																								7.5			
MW-27	7-Dec-98																																								6.4			
MW-27	26-Apr-99																																								20			
MW-27	3-Dec-99																																											
MW-27	12-Apr-00																																											
MW-27	18-Apr-01																																											
MW-27	12-Apr-02																																											
MW-27	17-Apr-03																																											
MW-27	26-Apr-04																																											

**Table 3b  
Detected Constituents - Volatile and Semi-Volatile Organic Compounds  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3,3,4-Methylphenol			
NC2L		700	1	0.56	0.0004	700	50	2800	70	2.6	1.4	24	1400	70	0.38	7	70	100	0.51	550	4.6	4200	100	0.7	1000	200	2.8	2100	0.005	0.015	530	NE	5000	700	NE	3.5			
SWSL		100	1	1	1	100	3	10	5	1.0	1	5	5	5	1	5	5	1.00	1	1	100	1	1	1	1	1	1	1	1	1	5	15	10	10	10	10			
MW-28	1-May-98																																						
MW-28	17-Aug-98																																						
MW-28	9-Sep-98																																						
MW-28	7-Oct-98																																						
MW-28	9-Dec-98																																						
MW-28	12-Jan-99																																						
MW-28	9-Feb-99																																						
MW-28	19-Apr-99																																						
MW-28	3-Dec-99																																						
MW-28	12-Apr-00																																						
MW-28	18-Apr-01																																						
MW-28	12-Apr-02																																						
MW-28	17-Apr-03																																						
MW-28	26-Apr-04																																						
MW-28	22-Apr-05																																						
MW-28	14-Apr-06																																						
MW-28	20-Apr-07																																						
MW-28	19-May-08								0.39J																														
MW-28	12-Mar-09								0.39J																														
MW-28d	1-May-98																																						
MW-28d	17-Aug-98																																						
MW-28d	9-Sep-98																																						
MW-28d	7-Oct-98																																						
MW-28d	9-Dec-98																																						
MW-28d	12-Jan-99																																						
MW-28d (dup)	12-Jan-99																																						
MW-28d	9-Feb-99																																						
MW-28d	19-Apr-99																																						
MW-28d	3-Dec-99																																						
MW-28d	12-Apr-00																																						
MW-28d	18-Apr-01																																						
MW-28d	12-Apr-02																																						
MW-28d	17-Apr-03																																						
MW-28d	26-Apr-04																																						
MW-28d	22-Apr-05																																						
MW-28d	14-Apr-06																																						
MW-28d	20-Apr-07																																						
MW-28d	19-May-08								0.45J																														
MW-28d	12-Mar-09								0.33J																														

**Table 3b  
Detected Constituents - Volatile and Semi-Volatile Organic Compounds  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3,4-Methylphenol			
NC2L		700	1	0.56	0.0004	700	50	2800	70	2.6	1.4	24	1400	70	0.38	7	70	100	0.51	550	4.6	4200	100	0.7	1000	200	2.8	2100	0.005	0.015	530	NE	5000	700	NE	3.5			
SWSL		100	1	1	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10			
MW-29d	4-May-98																																						
MW-29d	17-Aug-98																																						
MW-29d	4-May-98																																						
MW-29d	17-Aug-98																																						
MW-29d	9-Sep-98																																						
MW-29d (dup)	9-Sep-98																																						
MW-29d	7-Oct-98																																						
MW-29d	9-Dec-98																																						
MW-29d	12-Jan-99																																						
MW-29d	9-Feb-99																																						
MW-29d	19-Apr-99																																						
MW-29d	3-Dec-99																																						
MW-29d	12-Apr-00																																						
MW-29d	19-Dec-00																																						
MW-29d	18-Apr-01																																						
MW-29d	4-Dec-01																																						
MW-29d	11-Apr-02																																						
MW-29d	6-Nov-02																																						
MW-29d	18-Apr-03																																						
MW-29d	5-Nov-03																																						
MW-29d	26-Apr-04																																						
MW-29d	19-Nov-04																																						
MW-29d	21-Apr-05																																						
MW-29d	11-Nov-05																																						
MW-29d	14-Apr-06																																						
MW-29d	10-Nov-06																																						
MW-29d	20-Apr-07																																						
MW-29d	9-Nov-07																																						
MW-29d	19-May-08								0.13J																														
MW-29d	7-Nov-08																				0.37J																		
MW-29d	10-Mar-09								0.12J																														

**Table 3b  
Detected Constituents - Volatile and Semi-Volatile Organic Compounds  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3,4-Methylphenol				
NC2L		700	1	0.56	0.0004	700	50	2800	70	2.6	1.4	24	1400	70	0.38	7	70	100	0.51	550	4.6	4200	100	0.7	1000	200	2.8	2100	0.005	0.015	530	NE	5000	700	NE	3.5				
SWSL		100	1	1	1	100	3	10	5	1.0	1	5	5	5	1	5	5	1.00	1	1	100	1	1	1	1	1	1	1	1	1	5	15	10	10	10	10				
MW-30	4-May-98																																							
MW-30	17-Aug-98																																							
MW-30	9-Sep-98																																							
MW-30	7-Oct-98																																							
MW-30	7-Dec-98																																							
MW-30	12-Jan-99																																							
MW-30	9-Feb-99																																							
MW-30	19-Apr-99																																							
MW-30	3-Dec-99																																							
MW-30	12-Apr-00																																							
MW-30	19-Dec-00																																							
MW-30	18-Apr-01																																							
MW-30	4-Dec-01																																							
MW-30	11-Apr-02																																							
MW-30	6-Nov-02																																							
MW-30	17-Apr-03																																							
MW-30	5-Nov-03																																							
MW-30	28-Apr-04																																							
MW-30	19-Nov-04																																							
MW-30	21-Apr-05																																							
MW-30	11-Nov-05																																							
MW-30	14-Apr-06																																							
MW-30	10-Nov-06																																							
MW-30	20-Apr-07																																							
MW-30	9-Nov-07																																							
MW-30	19-May-08									0.55J																														
MW-30	7-Nov-08									0.45J																														
MW-30	11-Mar-09									0.39J																														

**Table 3b  
Detected Constituents - Volatile and Semi-Volatile Organic Compounds  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3,4-Methylphenol		
NC2L		700	1	0.56	0.0004	700	50	2800	70	2.6	1.4	24	1400	70	0.38	7	70	100	0.51	550	4.6	4200	100	0.7	1000	200	2.8	2100	0.005	0.015	530	NE	5000	700	NE	3.5		
SWSL		100	1	1	1	100	3	10	5	1.0	1	5	5	5	1	5	5	1.00	1	1	100	1	1	1	1	1	1	1	1	1	5	15	10	10	10	10		
MW-31	1-May-98																																					
MW-31	17-Aug-98																																					
MW-31	9-Sep-98																																					
MW-31	7-Oct-98																																					
MW-31	8-Dec-98																																					
MW-31	11-Jan-99																																					
MW-31	8-Feb-99																																					
MW-31	19-Apr-99																																					
MW-31	3-Dec-99																																					
MW-31	13-Apr-00								13																													
MW-31	19-Dec-00								25																													
MW-31	17-Apr-01								21																													
MW-31	6-Dec-01								54																													
MW-31	11-Apr-02								37																													
MW-31	6-Nov-02								43																													
MW-31	18-Apr-03								32																													
MW-31	5-Nov-03								48																													
MW-31	28-Apr-04								32.5																													
MW-31	18-Nov-04								26.5																													
MW-31	21-Apr-05								27.2																													
MW-31	11-Nov-05								38.2																													
MW-31	14-Apr-06								36.6																													
MW-31	9-Nov-06								26.2																													
MW-31	20-Apr-07								23.4																													
MW-31	9-Nov-07								9.9																													
MW-31	19-May-08								14.9																													
MW-31	6-Nov-08								10.1																													
MW-31	11-Mar-09								10.1												0.15J																	

**Table 3b  
Detected Constituents - Volatile and Semi-Volatile Organic Compounds  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3,4-Methylphenol			
NC2L		700	1	0.56	0.0004	700	50	2800	70	2.6	1.4	24	1400	70	0.38	7	70	100	0.51	550	4.6	4200	100	0.7	1000	200	2.8	2100	0.005	0.015	530	NE	5000	700	NE	3.5			
SWSL		100	1	1	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10			
MW-31d	1-May-98																																						
MW-31d	17-Aug-98																																						
MW-31d	9-Sep-98																																						
MW-31d	7-Oct-98																																						
MW-31d	8-Dec-98																																						
MW-31d	11-Jan-99																																						
MW-31d	8-Feb-99																																						
MW-31d	19-Apr-99																																						
MW-31d	3-Dec-99																																						
MW-31d	13-Apr-00																																						
MW-31d	19-Dec-00																																						
MW-31d	18-Apr-01									7																													
MW-31d	6-Dec-01									14																													
MW-31d	11-Apr-02									23																													
MW-31d	6-Nov-02									31																													
MW-31d	18-Apr-03									26																													
MW-31d	5-Nov-03									34																													
MW-31d	28-Apr-04									38.3																													
MW-31d	19-Nov-04									23.8																													
MW-31d	21-Apr-05									31.9																													
MW-31d	11-Nov-05									34																													
MW-31d	14-Apr-06									33.1																													
MW-31d	9-Nov-06									37.7																													
MW-31d	20-Apr-07									37.5																													
MW-31d	9-Nov-07									31.5																													
MW-31d	19-May-08									36.6																													
MW-31d	6-Nov-08									33																													
MW-31d	10-Mar-09									30.2																													

**Table 3b  
Detected Constituents - Volatile and Semi-Volatile Organic Compounds  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3,4-Methylphenol			
NC2L		700	1	0.56	0.0004	700	50	2800	70	2.6	1.4	24	1400	70	0.38	7	70	100	0.51	550	4.6	4200	100	0.7	1000	200	2.8	2100	0.005	0.015	530	NE	5000	700	NE	3.5			
SWSL		100	1	1	1	100	3	10	5	1.0	1	5	5	5	1	5	5	1.00	1	1	100	1	1	1	1	1	1	1	1	1	5	15	10	10	10	10			
MW-32	1-May-98																																						
MW-32	18-Aug-98																																						
MW-32	9-Sep-98																																						
MW-32	6-Oct-98																																						
MW-32	7-Dec-98																																						
MW-32	11-Jan-99																																						
MW-32	8-Feb-99																																						
MW-32	19-Apr-99																																						
MW-32	3-Dec-99																																						
MW-32	13-Apr-00																																						
MW-32	19-Dec-00																																						
MW-32	17-Apr-01																																						
MW-32	4-Dec-01																																						
MW-32	11-Apr-02																																						
MW-32	6-Nov-02																																						
MW-32	18-Apr-03																																						
MW-32	4-Nov-03																																						
MW-32	28-Apr-04																																						
MW-32	18-Nov-04																																						
MW-32	21-Apr-05																																						
MW-32	11-Nov-05																																						
MW-32	14-Apr-06																																						
MW-32	9-Nov-06																																						
MW-32	20-Apr-07																																						
MW-32	9-Nov-07																																						
MW-32	19-May-08																																						
MW-32	6-Nov-08																																						
MW-32	11-Mar-09																				0.47J																		



**Table 3b  
Detected Constituents - Volatile and Semi-Volatile Organic Compounds  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3,3,4-Methylphenol				
NC2L		700	1	0.56	0.0004	700	50	2800	70	2.6	1.4	24	1400	70	0.38	7	70	100	0.51	550	4.6	4200	100	0.7	1000	200	2.8	2100	0.005	0.015	530	NE	5000	700	NE	3.5				
SWSL		100	1	1	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10				
TB-1a	1-May-98							20						5.3												6.9	6.9													
TB-1a	18-Aug-98							39						39							22					6.9	9.8	7.6												
TB-1a	9-Sep-98							21						40							22					7.5	7.7	7.9											23	
TB-1a	7-Oct-98							17						35							16					7.1	11	7.1											13	
TB-1a (dup)	7-Oct-98							17						33							16					7.2	11	7.2											17	
TB-1a	9-Dec-98							14						23												8.2	11												11	
TB-1a	11-Jan-99							16						21												5.0	11	5.0											6	
TB-1a	8-Feb-99							15						18												10	10												8	
TB-1a	19-Apr-99							10						14												5.0	10	5.0											5	
TB-1a	3-Dec-99							11						19												6.0	10	6.0											9	
TB-1a	13-Apr-00							11						22												7.0	10	7.0											11	
TB-1a	20-Dec-00													13												8	5.0													
TB-1a	17-Apr-01													11																										
TB-1a	3-Dec-01													7																										
TB-1a	12-Apr-02													8																										
TB-1a	5-Nov-02													9																										
TB-1a	17-Apr-03													30											7.0			6.0												
TB-1a	4-Nov-03							8						8																										
TB-1a	14-Apr-04							20.4																																
TB-1a	18-Nov-04							17.3																																
TB-1a	21-Apr-05							18.8																																
TB-1a	11-Nov-05							24.3																																
TB-1a	14-Apr-06							18.6																																
TB-1a	9-Nov-06							25.5																																
TB-1a	19-Apr-07							22.5																																
TB-1a	9-Nov-07							21.8																																
TB-1a	20-May-08			0.66J				11.5						0.21J							0.31J					0.17J														
TB-1a	11-Nov-08			0.54J				11.6						0.33J							1.1					0.16J														
TB-1a	11-Mar-09							5.6						0.33J												0.12J														
TB-1a deep	8-Jun-01																																							
TB-1a deep	6-Dec-01																																							
TB-1a deep	11-Apr-02																																							
TB-1a deep	6-Nov-02																																							
TB-1a deep	18-Apr-03							8																																
TB-1a deep	4-Nov-03																																							
TB-1a deep	28-Apr-04							22																																
TB-1a deep	18-Nov-04							17.9																																
TB-1a deep	21-Apr-05							25.6																																
TB-1a deep	11-Nov-05							30.6																																
TB-1a deep	14-Apr-06							29.1																																
TB-1a deep	10-Nov-06							35.6																																
TB-1a deep	20-Apr-07							32.4																																
TB-1a deep	9-Nov-07							26.2																																
TB-1a deep	19-May-08			0.77J				25.2																																
TB-1a deep	7-Nov-08							32.5																																
TB-1a deep	12-Mar-09							31.8																																

**Table 3b  
Detected Constituents - Volatile and Semi-Volatile Organic Compounds  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3,3,4-Methylphenol			
NC2L		700	1	0.56	0.0004	700	50	2800	70	2.6	1.4	24	1400	70	0.38	7	70	100	0.51	550	4.6	4200	100	0.7	1000	200	2.8	2100	0.005	0.015	530	NE	5000	700	NE	3.5			
SWSL		100	1	1	1	100	3	10	5	1.0	1	5	5	5	5	5	5	5	1.00	1	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10			
MW-33	6-Aug-98																																						
MW-33	7-Dec-98																																						
MW-33	26-Apr-99																																						
MW-33	2-Dec-99																																						
MW-33	13-Apr-00																																						
MW-33	18-Apr-01																																						
MW-33	9-Apr-02																																						
MW-33	16-Apr-03																																						
MW-33	21-Apr-04																																						
MW-33	22-Apr-05																																						
MW-33	14-Apr-06																																						
MW-33	20-Apr-07																																						
MW-33	15-May-08																																						
MW-33	12-Mar-09																																						
MW-34	6-Aug-98																																						
MW-34	7-Dec-98																																						
MW-34	26-Apr-99																																						
MW-34	2-Dec-99																																						
MW-34	13-Apr-00																																						
MW-34	18-Apr-01																																						
MW-34	9-Apr-02																																						
MW-34	16-Apr-03																																						
MW-34	21-Apr-04																																						
MW-34	22-Apr-05																																						
MW-34	14-Apr-06																																						
MW-34	20-Apr-07																																						
MW-34	19-May-08		0.56J				1.74J	0.45J			0.95J		1.72J	12.7	13.8	6.2	6.9			10.7						0.13J	3.07	0.56J				0.16J							
MW-34	12-Mar-09		0.47J				1.26J	0.37J			0.71J		1.72J	13.5	13.8	6.2	9.34			12.7							2.67	0.68J				0.15J							
MW-34d	6-Aug-98																																						
MW-34d (dup)	6-Aug-98																																						
MW-34d	7-Dec-98																																						
MW-34d	26-Apr-99																																						
MW-34d	2-Dec-99																																						
MW-34d	13-Apr-00																																						
MW-34d	18-Apr-01																																						
MW-34d	9-Apr-02																																						
MW-34d	16-Apr-03																																						
MW-34d	21-Apr-04																																						
MW-34d	22-Apr-05																																						
MW-34d	14-Apr-06																																						
MW-34d	20-Apr-07																																						
MW-34d	19-May-08							0.21J					0.36J	6.9	1.64J		1.07J			0.2J							0.38J	0.19J				35							
MW-34d	12-Mar-09												0.64J	13.5	13.8	6.2	9.34										0.19J					1.02J							

**Table 3b  
Detected Constituents - Volatile and Semi-Volatile Organic Compounds  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3,4-Methylphenol		
NC2L		700	1	0.56	0.0004	700	50	2800	70	2.6	1.4	24	1400	70	0.38	7	70	100	0.51	550	4.6	4200	100	0.7	1000	200	2.8	2100	0.005	0.015	530	NE	5000	700	NE	3.5		
SWSL		100	1	1	1	100	3	10	5	1.0	1	5	5	5	1	5	5	1.00	1	1	100	1	1	1	1	1	1	1	1	1	5	15	10	10	10	10		
MW-35	6-Aug-98																																					
MW-35	7-Dec-98																																					
MW-35	26-Apr-99																																					
MW-35	2-Dec-99																																					
MW-35	13-Apr-00																																					
MW-35	18-Apr-01																																					
MW-35	9-Apr-02																																					
MW-35	16-Apr-03																																					
MW-35	21-Apr-04																																					
MW-35	22-Apr-05																																					
MW-35	14-Apr-06																																					
MW-35	20-Apr-07																																					
MW-35	19-May-08				0.55J				0.17J															0.13J														
MW-35	10-Mar-09								0.15J			0.67J																										
MW-36	4-Dec-08		0.81J					0.77J	0.14J		1.46		2.25J	23.5	0.40J	7.6					0.77J						3.4	0.28J							0.906J			
MW-36	10-Mar-09		0.86J					1.16J	0.13J		1.42		2.52J	23.4	0.36J	0.41J	7.9				0.64J						3.22	0.38J										
MW-36d	4-Dec-08		0.37J	0.24J				1.05J		0.28J		1.78J	10.9		0.28J	3.18J					9.11			1.95	0.10J		1.5											
MW-36d	10-Mar-09		0.51J				0.74J	0.41J		0.39J		2.94J	12.4		0.28J	3.86J					2.27			1.35		1.81	0.29J											

Notes:  
 All units are in micrograms per liter (parts per billion)  
 - Concentration exceeds NC Groundwater Standards (2L)  
 - Indicates results below detection limit:  
 \* - groundwater protection standard  
 NS - Not Sampled; NE - standard not established; dup - duplicate sample  
 J - Indicates the analytical result is an estimated concentration between the Method Detection Limit and the Solid Waste Section Reporting Limit (SWSL)  
 B - Indicates that the amount detected in the method blank was greater than the Method Detection Limit  
 MW-27 was abandoned on November 24, 2008 in accordance with 15A NCAC 2C .0113

**Table 3c**  
**Detected Constituents - Pesticides, Herbicides, and PCB's**  
**North Wake Unlined Landfill**  
**Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Alpha-BHC	Beta-BHC	Delta-BHC	Gamma-BHC (Lindane)	Heptachlor	Aldrin	4,4'-DDT	DDD	Dieldrin	Endrin Aldehyde	Endosulfan I	Endrin	Dinoseb
NC2L		0.006*	0.019*	0.019*	0.2	0.0078	NE	0.1	0.14	0.0022	2.1	NE	2	7*
SWSL		0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.075	0.1	0.1	0.1	1
MW-11	18-Nov-04													
MW-11	21-Apr-05													
MW-11	11-Nov-05													
MW-11	14-Apr-06													
MW-11	10-Nov-06													
MW-11	20-Apr-07													
MW-11	8-Nov-07													
MW-11	15-May-08													
MW-11	11-Mar-09													
MW-11d	18-Nov-04													
MW-11d	21-Apr-05													
MW-11d	11-Nov-05													
MW-11d	14-Apr-06													
MW-11d	10-Nov-06													
MW-11d	20-Apr-07													
MW-11d	8-Nov-07							0.0297J				0.0096J**		
MW-11d	15-May-08													
MW-11d	16-Mar-09													
MW-5	18-Nov-04		0.384	0.152										
MW-5	21-Apr-05		0.405	0.933	0.098									
MW-5	11-Nov-05													
MW-5	14-Apr-06													
MW-5	9-Nov-06													
MW-5	19-Apr-07													
MW-5	8-Nov-07													
MW-5R	21-May-08							0.0609J				0.0752J**		
MW-5R	11-Mar-09													
MW-6	18-Nov-04	0.235		0.706						0.281			0.412	
MW-6	21-Apr-05	0.182		0.48										
MW-6	11-Nov-05		0.31		0.053									1.72
MW-6	14-Apr-06													
MW-6	9-Nov-06													
MW-6	19-Apr-07													
MW-6	8-Nov-07		0.062							0.094				
MW-6	20-May-08		0.0233J					0.0312J**						
MW-6	11-Mar-09	0.0743J	0.0437JD	0.0611J		0.0292JD	0.104JD	0.0466JD	0.018JD		0.0574JD	0.0322JD		
MW-6d	18-Nov-04													
MW-6d	21-Apr-05													
MW-6d	11-Nov-05													
MW-6d	11-Apr-06													
MW-6d	9-Nov-06													
MW-6d	20-Apr-07													
MW-6d	8-Nov-07													
MW-6d	20-May-08													
MW-7	18-Nov-04													1.21
MW-7	21-Apr-05													
MW-7	11-Nov-05													
MW-7	14-Apr-06													
MW-7	9-Nov-06													
MW-7	20-Apr-07													
MW-7	8-Nov-07													
MW-7	15-May-08											0.0929J**		
MW-8	18-Nov-04													
MW-8	21-Apr-05	0.132												
MW-8	11-Nov-05													
MW-8	14-Apr-06													
MW-8	9-Nov-06													
MW-8	20-Apr-07													
MW-8	8-Nov-07													
MW-8	20-May-08													
MW-8d	18-Nov-04													
MW-8d	21-Apr-05													
MW-8d	11-Nov-05													
MW-8d	14-Apr-06													
MW-8d	10-Nov-06													
MW-8d	20-Apr-07													
MW-8d	8-Nov-07													
MW-8d	15-May-08											0.0254J**		
MW-9	18-Nov-04			0.138	0.051									1.8
MW-9	21-Apr-05			0.896	0.622									
MW-9	11-Nov-05													
MW-9	14-Apr-06				0.143									1.4
MW-9	9-Nov-06				0.786									
MW-9	19-Apr-07													
MW-9	8-Nov-07			0.06										
MW-9	20-May-08			0.0132J								0.0368J**		
MW-9 (dup)	20-May-08													
MW-9	11-Mar-09													
MW-9 (MW-18 dup)	11-Mar-09													

**Table 3c**  
**Detected Constituents - Pesticides, Herbicides, and PCB's**  
**North Wake Unlined Landfill**  
**Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Alpha-BHC	Beta-BHC	Delta-BHC	Gamma-BHC (Lindane)	Heptachlor	Aldrin	4,4'-DDT	DDD	Dieldrin	Endrin Aldehyde	Endosulfan I	Endrin	Dinoseb
NC2L		0.006*	0.019*	0.019*	0.2	0.0078	NE	0.1	0.14	0.0022	2.1	NE	2	7*
SWSL		0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.075	0.1	0.1	0.1	1
MW-10	18-Nov-04													
MW-10	21-Apr-05													
MW-10	11-Nov-05													
MW-10	14-Apr-06													
MW-10	9-Nov-06													
MW-10	19-Apr-07													
MW-10	8-Nov-07													
MW-10	20-May-08													
MW-10d	18-Nov-04													
MW-10d	21-Apr-05													
MW-10d	11-Nov-05													1.72
MW-10d	14-Apr-06													
MW-10d	10-Nov-06													
MW-10d	20-Apr-07													
MW-10d	8-Nov-07													
MW-10d	20-May-08										0.0234J**			
MW-22	19-Nov-04													
MW-22	22-Apr-06													
MW-22	11-Nov-05													
MW-22	14-Apr-07													
MW-22	9-Nov-06													
MW-22	20-Apr-07													
MW-22	8-Nov-07													
MW-22	15-May-08											0.124		
MW-22	12-Mar-09													
MW-23	19-Nov-04													
MW-23	21-Apr-05													
MW-23	11-Nov-05													
MW-23	14-Apr-06													
MW-23	9-Nov-06													
MW-23	20 ap 07													
MW-23	8-Nov-07													
MW-23	15-May-08													
MW-23d	19-Nov-04													
MW-23d	21-Apr-05													
MW-23d	11-Nov-05													
MW-23d	14-Apr-06													
MW-23d	9-Nov-06													
MW-23d	20-Apr-07													
MW-23d	8-Nov-07													
MW-23d	15-May-08											0.0256J**		
MW-24	18-Nov-04													
MW-24	21-Apr-05													
MW-24	11-Nov-05													
MW-24	14-Apr-06													
MW-24	9-Nov-06													
MW-24	19-Apr-07													
MW-24	8-Nov-07													
MW-24	20-May-08											0.017J**		
MW-28	22-Apr-05													
MW-28	14-Apr-06													
MW-28	20-Apr-07													
MW-28	19-May-08			0.0209J								0.0412J**		
MW-28	12-Mar-09													
MW-28d	22-Apr-05													
MW-28d	14-Apr-06													
MW-28d	20-Apr-07													
MW-28d	19-May-08											0.0308J**		
MW-29d	19-Nov-04													
MW-29d	21-Apr-05													
MW-29d	11-Nov-05													
MW-29d	14-Apr-06													
MW-29d	10-Nov-06													
MW-29d	20-Apr-07													
MW-29d	9-Nov-07													
MW-29d	19-May-08			0.0309J								0.0464J**		
MW-29d	10-Mar-09													

**Table 3c  
Detected Constituents - Pesticides, Herbicides, and PCB's  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Alpha-BHC	Beta-BHC	Delta-BHC	Gamma-BHC (Lindane)	Heptachlor	Aldrin	4,4'-DDT	DDD	Dieldrin	Endrin Aldehyde	Endosulfan I	Endrin	Dinoseb
NC2L		0.006*	0.019*	0.019*	0.2	0.0078	NE	0.1	0.14	0.0022	2.1	NE	2	7*
SWSL		0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.075	0.1	0.1	0.1	1
MW-30	19-Nov-04													
MW-30	21-Apr-05													
MW-30	11-Nov-05													
MW-30	14-Apr-06													
MW-30	10-Nov-06													
MW-30	20-Apr-07													
MW-30	9-Nov-07													
MW-30	19-May-08			0.0632								0.155		
MW-30	11-Mar-09													
MW-31	18-Nov-04													
MW-31	21-Apr-05													
MW-31	11-Nov-05													
MW-31	14-Apr-06													
MW-31	9-Nov-06													
MW-31	20-Apr-07													
MW-31	9-Nov-07													
MW-31	19-May-08			0.0111J										
MW-31	11-Mar-09													
MW-31d	19-Nov-04													
MW-31d	21-Apr-05													
MW-31d	11-Nov-05													
MW-31d	14-Apr-06													
MW-31d	9-Nov-06													
MW-31d	20-Apr-07													
MW-31d	9-Nov-07													
MW-31d	19-May-08											0.0375J**		
MW-31d	11-Mar-09													
MW-32	18-Nov-04													
MW-32	21-Apr-05													
MW-32	11-Nov-05													
MW-32	14-Apr-06													
MW-32	9-Nov-06													
MW-32	20-Apr-07													
MW-32	9-Nov-07													
MW-32	19-May-08											0.0492J**		
MW-32	11-Mar-09													
TB-1a	18-Nov-04													
TB-1a	21-Apr-05													
TB-1a	11-Nov-05													
TB-1a	14-Apr-06													
TB-1a	9-Nov-06													
TB-1a	19-Apr-07													
TB-1a	9-Nov-07													
TB-1a	20-May-08	0.0183J										0.0828J**		
TB-1a	11-Mar-09													
TB-1a deep	11-Nov-05													
TB-1a deep	14-Apr-06													
TB-1a deep	10-Nov-06													
TB-1a deep	20-Apr-07													
TB-1a deep	9-Nov-07													
TB-1a deep	19-May-08											0.0595J**		
TB-1a deep	11-Mar-09													
MW-33	22-Apr-05													
MW-33	14-Apr-06													
MW-33	20-Apr-07													
MW-33	15-May-08			0.00175J										
MW-33	12-Mar-09													
MW-34	22-Apr-05													
MW-34	14-Apr-06													
MW-34	20-Apr-07													
MW-34	19-May-08													
MW-34d	22-Apr-05													
MW-34d	14-Apr-06													
MW-34d	20-Apr-07													
MW-34d	19-May-08											0.0145J**		
MW-35	22-Apr-05													
MW-35	14-Apr-06													
MW-35	20-Apr-07													
MW-35	19-May-08													
MW-36	4-Dec-08		0.059	0.0102J	0.162									
MW-36	10-Mar-09				0.186D									
MW-36d	4-Dec-08				0.0366J									
MW-36d	10-Mar-09			0.0139J	0.0259JD			0.075J						

Notes:  
 All units are in micrograms per liter (parts per billion)  
 [shaded] - Concentration exceeds NC Groundwater Standards (2L)  
 [white] - Indicates results below detection limits  
 \* - groundwater protection standard  
 \*\* - Endosulfan I was also detected in the background well MW-11d and batch and equipment blanks at similar concentrations  
 NE - standard not established  
 J - Indicates the analytical result is an estimated concentration between the Method Detection Limit and the Solid Waste Section Reporting Limits (SWSL)  
 D - Detected but the relative percent difference is greater than 40% between results in the dual column method

**Table 3d  
Detected Surface Water Constituents - Metals  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Silver	Thallium	Vanadium	Zinc
<b>NC2B</b>		<b>50</b>	<b>NS</b>	<b>6.4</b>	<b>2</b>	<b>50</b>	<b>NS</b>	<b>7*</b>	<b>25</b>	<b>88</b>	<b>0.06</b>	<b>NS</b>	<b>NS</b>	<b>50*</b>
<b>SWSL</b>		<b>10</b>	<b>100</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>50</b>	<b>10</b>	<b>5.5</b>	<b>25</b>	<b>10</b>
SW-2	13-Jun-95													
SW-2	31-Oct-95				2									
SW-2	28-Nov-96		25				2							21
SW-2	21-Apr-97		29											
SW-2	5-Nov-97													
SW-2	11-May-98													
SW-2	24-Nov-98													
SW-2	14-Apr-99													
SW-2	9-Apr-02													
SW-2	16-Apr-03													
SW-2	29-Oct-03													
SW-2	8-Apr-04													
SW-2	18-Nov-04				1									
SW-2	21-Apr-05													
SW-2	11-Nov-05													
SW-2	13-Apr-06													
SW-2	9-Nov-06													
SW-2	20-Apr-07													
SW-2	7-Nov-07													
SW-2	21-May-08		28.9J			1.53J		5.97J						5.81J
SW-2	7-Nov-08		33.5JB	3.10B		4.28JB		7.72JB	3.62JB		8.20JB		15.1JB	4.51J
SW-2	16-Mar-09		52.8JB	9.06B		4.73JB		8.54JB	3.61JB		2.01JB	5.89	10.4JB	12.5
SW-3	13-Jun-95													
SW-3	31-Oct-95													
SW-3	27-Nov-96		33				2							32
SW-3	21-Apr-97		19											
SW-3	1-Nov-97													56
SW-3	11-May-98													
SW-3	24-Nov-98													
SW-3	14-Apr-99													
SW-3	30-Nov-99													
SW-3	12-Apr-00													
SW-3	15-Dec-00													
SW-3	16-Apr-01													
SW-3	29-Nov-01													
SW-3	9-Apr-02													
SW-3	16-Apr-03													
SW-3	29-Oct-03					11.1								
SW-3	8-Apr-04													
SW-3	18-Nov-04													
SW-3	21-Apr-05													
SW-3	11-Nov-05													
SW-3	13-Apr-06													
SW-3	9-Nov-06													
SW-3	20-Apr-07													
SW-3	7-Nov-07				1									13
SW-3	19-May-08		28.5J			3.21J		6.36J			4.09J			
SW-3	6-Nov-08		40.8JB			3.41JB		5.94JB	8.95JB		9.04JB		6.43JB	4.79J
SW-3	16-Mar-09	3.86J	47.6JB	3.16B		5.02JB		7.72JB	5.76JB	5.09J	1.89JB	5.97	12.5JB	7.17J
SW-7	7-Nov-08		50.8JB			16.0B	10.7	20.3B	9.63JB		9.62JB		19.8JB	6.33J
SW-7	16-Mar-09	3.45J	45.5JB	5.37B		4.51JB		7.4JB	9.39JB		2.04JB		14.8JB	7.09J
SW-8	7-Nov-08		26.7JB			3.14JB		7.10JB			8.56JB		7.92JB	
SW-8	16-Mar-09		44.8JB	6.11B		5.02JB		7.51JB	8.08JB		1.56JB		10.6JB	10.2

Notes:

All units are in micrograms per liter (parts per billion)

- Concentration exceeds NC Surface Water Standards for Class C Water:

- Indicates results below detection limits

\* - action level

J - Indicates the analytical result is an estimated concentration between the Method Detection Limit and the Solid Waste Section Reporting Limit (SWSL)

B - Indicates that the amount detected in the method blank was greater than the Method Detection Limit

**Table 3e**  
**Detected Surface Water Constituents - Volatile Organic Compounds**  
**North Wake Unlined Landfill**  
**Assessment of Corrective Measures Report**

Monitor Well	Sample Date	Acetone	Bromodichloromethane	Bromoform	2-Butanone (MEK)	Carbon Disulfide	Chloroform	Chloromethane	Dibromochloromethane	Cis 1,2-Dichloroethene	1,1-Dichloroethane	Methylene Chloride	Tetrachloroethene	Toluene	Trichlorofluoromethane
<b>NC2B</b>		<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>10.8</b>	<b>11</b>	<b>NS</b>
<b>SWSL</b>		<b>100</b>	<b>1</b>	<b>3</b>	<b>100</b>	<b>1000</b>	<b>5</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>5</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
SW-2	18-Nov-04														
SW-2	21-Apr-05														
SW-2	11-Nov-05														
SW-2	14-Apr-06														
SW-2	9-Nov-06														
SW-2	19-Apr-07														
SW-2	9-Nov-07						0.2J	0.3J							
SW-2	21-May-08						0.13J								
SW-2	7-Nov-08						0.13J					0.21J			
SW-2	16-Mar-09														
SW-3	18-Nov-04														
SW-3	21-Apr-05														
SW-3	11-Nov-05														
SW-3	14-Apr-06														
SW-3	9-Nov-06														
SW-3	19-Apr-07														
SW-3	9-Nov-07	1.3J			0.9J			0.3J							
SW-3	19-May-08														
SW-3	6-Nov-08											0.25J			
SW-3	16-Mar-09														
SW-7	7-Nov-08									0.20J	0.72J				
SW-7	16-Mar-09									0.070J	0.29J				
SW-8	7-Nov-08										0.12J	0.20J			
SW-8	16-Mar-08														

Notes:

All units are in micrograms per liter (parts per billion)

- Concentration exceeds NC Surface Water Standards for Class C Waters

- Indicates results below detection limits

\* - action level

J - Indicates the analytical result is an estimated concentration between the Method Detection Limit and the Solid Waste Section Reporting Limit (SWSL)

B - Indicates that the amount detected in the method blank was greater than the Method Detection Limit



**Table 4  
Geochemical Data  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	ORP (mV)	pH	Dissolved Oxygen (mg/l)	BOD	COD	Methane (ug/l)	Ethane (ug/l)	Ethene (ug/l)	Chloride	Nitrate	Total Organic Carbon	Alkalinity (CaCO3 - Lab)	Alkalinity (CaCO3 - Field)	Sulfate (Lab)	Sulfate (Field)	Sulfide (Lab)	Free Chlorine	Carbon Dioxide	Ferrous Iron	Acetic Acid	Butyric Acid	Lactic Acid	Propionic Acid	Pyruvic Acid	Dissolved Hydrogen (nM)	
MW-11	8-Dec-98	156.2	5.57	6.03						3.5	0.6	2.1	21	40				0.17	50	0.02							0.02
MW-11	18-Dec-00	742	5.69																								
MW-11	18-Apr-01		6.80																								
MW-11	27-Nov-01		5.48																								
MW-11	5-Apr-02		6.19																								
MW-11	5-Nov-02		6.14																								
MW-11	15-Apr-03		6.36																								
MW-11	29-Oct-03		6.47																								
MW-11	21-Apr-04		5.31																								
MW-11	15-May-08	135.8	5.53	6.71																							
MW-11	10-Nov-08	167.0	5.74	6.71	<2	6	<7.2	<20	<20	3.67	0.794	1.42	34		<0.3		<0.01		26	<0.2	<1	<1	<25	<1	<10		
MW-11	11-Mar-09	102.5	5.34	7.16	<2	<25	<7.2	<20	<20	3.38	0.719	0.543	32.2		<0.3		<0.05		158	0.21	<1	<1	<25	<1	<10		
MW-11d	8-Dec-98	123.0	6.03	4.68						3.0	0.58	0.64	14	60				0.02	30								
MW-11d	18-Dec-00	154	5.26																								
MW-11d	18-Apr-01		6.91																								
MW-11d	27-Nov-01		5.21																								
MW-11d	5-Apr-02		6.97																								
MW-11d	5-Nov-02		6.26																								
MW-11d	15-Apr-03		6.98																								
MW-11d	29-Oct-03		6.87																								
MW-11d	21-Apr-04		5.79																								
MW-11d	15-May-08	87.2	5.95	5.02																							
MW-11d	16-Mar-09	173.6	5.76	5.85																							

**Table 4  
Geochemical Data  
North Wake Unlined Landfill  
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Monitor Well	Sample Date	ORP (mV)	pH	Dissolved Oxygen (mg/l)	BOD	COD	Methane (ug/l)	Ethane (ug/l)	Ethene (ug/l)	Chloride	Nitrate	Total Organic Carbon	Alkalinity (CaCO3 - Lab)	Alkalinity (CaCO3 - Field)	Sulfate (Lab)	Sulfate (Field)	Sulfide (Lab)	Free Chlorine	Carbon Dioxide	Ferrous Iron	Acetic Acid	Butyric Acid	Lactic Acid	Propionic Acid	Pyruvic Acid	Dissolved Hydrogen (nM)
MW-5	3-Dec-98		5.70							5.6																
MW-5	20-Dec-00	38	5.40				4500			13.4	0.07	2.7							141							
MW-5	16-Apr-01	85	5.20							8.5		8.8			6.8				141	1.07						1.07
MW-5	3-Dec-01	103	5.68				1600			5.2					1.7				79.2							
MW-5	12-Apr-02	43	5.54				2400			3.3					4.1				44	3.7						3.7
MW-5	5-Nov-02	65	5.72				1500			8.7	0.34	1.2			4.7				244							
MW-5	17-Apr-03	-138	6.08	0.79			6600			13		13.7			4.1				9							
MW-5	4-Nov-03	-142	5.60	0.14			3200			19		1474							2055	18.5						18.5
MW-5R	14-Apr-04	-35	6.30	1.92			4040			8.19		13.8			0.444		0.08		286							
MW-5R	21-May-08	95	6.02	0.14	<2	9	709	<100	<100	3.92	0.576	11.1	280		13.3		<0.01		264	<0.2	<1	<1	<25	<1	<10	1.1
MW-5R	10-Nov-08	113	6.07	0.31	<2	10	340	<20	<20	4.66	1.25	1.95	240		6.42		<0.01		211	<0.2	<1	<1	<25	<1	<10	1.6
MW-5R	11-Mar-09	61	5.73	0.31	<2	<25	<7.2	<20	<20	1.6	11.9	1.23	113		6.61		<0.05		141	<0.2	<1	<1	<25	<1	<10	2.1
MW-6	3-Dec-98		5.71							6.8																
MW-6	19-Dec-00	156	5.54				669			9.12	0.05	5.9							57							
MW-6	16-Apr-01	97	5.05				450			7.5		7.7			0.66				47							
MW-6	3-Dec-01	136	5.88				470			6.4					0.34				30.8							
MW-6	12-Apr-02	174	5.47				800			7.3					0.46				35							
MW-6	5-Nov-02	73	5.58				1500			11	0.36	2.1			0.74				83							
MW-6	17-Apr-03	234	5.79	0.59			2400			12	0.48	10.4			0.47				9							
MW-6	4-Nov-03	41	4.80	0.25			640			110		8.5			1.2				185							
MW-6	14-Apr-04	316	5.76	1.70			1450			190		16.6			2.2				330							
MW-6	20-May-08	115	5.94	2.41	<4	78	2740	<400	<400	185	0.19J	24.4	474		12		<0.01		466	0.22	<1	<1	<25	<1	<10	1.1
MW-6	11-Nov-08	84	6.14	1.36	2	106	1190	<200	<200	231	<0.3	30.2	750		2.51J		<0.01		541	0.59	<1	<1	<25	<1	<10	1.9
MW-6	11-Mar-09	59	5.81	0.46	3	86	1810	<200	<200	166	0.155J	22.3	476		8.4		<0.05		387	1.16	<1	<1	<25	<1	<10	3.9

**Table 4  
Geochemical Data  
North Wake Unlined Landfill  
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Monitor Well	Sample Date	ORP (mV)	pH	Dissolved Oxygen (mg/l)	BOD	COD	Methane (ug/l)	Ethane (ug/l)	Ethene (ug/l)	Chloride	Nitrate	Total Organic Carbon	Alkalinity (CaCO3 - Lab)	Alkalinity (CaCO3 - Field)	Sulfate (Lab)	Sulfate (Field)	Sulfide (Lab)	Free Chlorine	Carbon Dioxide	Ferrous Iron	Acetic Acid	Butyric Acid	Lactic Acid	Propionic Acid	Pyruvic Acid	Dissolved Hydrogen (nM)
MW-8	3-Dec-98		5.75							7.3																
MW-8	20-Dec-00	66	5.42							6.84	0.09	5.9								22						
MW-8	16-Apr-01	54	5.61				17			3.2	0.23	1.3			0.89		0.04		32							
MW-8	3-Dec-01	111	6.40							3					0.61		0.01		39.6							
MW-8	12-Apr-02	51	6.00				42			3.5					0.81				31							
MW-8	5-Nov-02	44	6.05				11			3.4	0.42	0.7			1.1		0.06		29							
MW-8	17-Apr-03	171	6.30	1.70						4	0.33	2.3			1.1				13							
MW-8	4-Nov-03	127	5.15	1.68			22			3.9		0.7			1				44							
MW-8	14-Apr-04	235	5.86	1.58			371			3.82		2.2			0.912				52.8							
MW-8	20-May-08	63	5.83	1.42	<2	<5	631	<20	<20	5.85	0.158J	0.469J	59		5.46		<0.01		97	<0.2	<1	<1	<25	<1	<10	1.1
MW-8	10-Nov-08	55	5.84	0.26	<2	5	654	<20	<20	6.29	0.211J	0.603	60		<0.3		<0.01		101	<0.2	<1	<1	<25	<1	<10	1.4
MW-8	11-Mar-09	27	5.65	0.31	<2	<25	264	<100	<100	6.27	0.119J	0.752	68.7		0.793		<0.05		88	0.78	<1	<1	<25	<1	<10	1.1
MW-9	3-Dec-98		6.27							15																
MW-9	20-Dec-00	102	4.79				3340			21.9	0.09	12.3							176							
MW-9	16-Apr-01	64	5.79				790			19	0.24	5.5			0.75				121	1.28						1.28
MW-9	3-Dec-01	21	6.41				2700			24					0.38				123	2.5						2.5
MW-9	12-Apr-02	77	6.11				1200			29					0.32				136	9.8						9.8
MW-9	5-Nov-02	39	6.16				470			24		5.7			0.66				236	1.67						1.67
MW-9	17-Apr-03	-106	6.39	0.25			1900			36		30.3			0.42				44	6.3						6.3
MW-9	4-Nov-03	-110	5.76	0.14			1800			53		14.2			0.46				312	1.48						1.48
MW-9	14-Apr-04	58	6.33	0.81			3500			92.5		13.3			0.386				299.2	ND						ND
MW-9	20-May-08	-97	6.28	1.39	7	10	2980	<400	<400	20.1	<0.3	3.12	254		0.58		<0.01		260	18.3	<1	<1	<25	<1	<10	18.3
MW-9	11-Nov-08	-37	6.18	2.45	7	27	1910	<200	<200	18.9	<0.3	3.36	263		<0.3		<0.01		264	15.4	<1	<1	<25	<1	<10	
MW-9	11-Mar-09	-9	6.03	2.07	<2	46	1730	<200	<200	20.1	<0.3	4.56	262		0.608		<0.05		233	17.6	<1	0.4J	<25	0.4J	<10	

**Table 4  
Geochemical Data  
North Wake Unlined Landfill  
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Monitor Well	Sample Date	ORP (mV)	pH	Dissolved Oxygen (mg/l)	BOD	COD	Methane (ug/l)	Ethane (ug/l)	Ethene (ug/l)	Chloride	Nitrate	Total Organic Carbon	Alkalinity (CaCO3 - Lab)	Alkalinity (CaCO3 - Field)	Sulfate (Lab)	Sulfate (Field)	Sulfide (Lab)	Free Chlorine	Carbon Dioxide	Ferrous Iron	Acetic Acid	Butyric Acid	Lactic Acid	Propionic Acid	Pyruvic Acid	Dissolved Hydrogen (nM)	
MW-10	3-Dec-98		5.85							6.8																	
MW-10	20-Dec-00	76	5.27				372			10.6	1.5	3.7							26								
MW-10	17-Apr-01	81	5.24				320			5.4	2.2	5.3			1.2				101								
MW-10	3-Dec-01	146	5.88							4.2	1.6				3				35.2								
MW-10	12-Apr-02	98	5.58				300			4.9					1.7				35								
MW-10	5-Nov-02	74	5.54				770			5.4	2	1.8			2.9	0.03			216								
MW-10	17-Apr-03	240	5.11	0.44			2400			5	1.4	9.2			0.82				13								
MW-10	4-Nov-03	90	4.90	0.16						6.6	1	1.7			0.66				145								
MW-10	14-Apr-04	349	5.83	0.52			341			7.3	1.3	7.8			0.78				123								
MW-10	20-May-08	-14.6	5.61	0.55	3	35	1950	<200	<200	3.77	0.162J	1.12	42		0.617	0.01			229	0.48	<1	<1	<25	<1	<10	0.48	
MW-10	11-Nov-08	130.0	5.50	2.76	8	30	5890	<200	<200	3.71	<0.3	1.31	96		<0.3	<0.01			370	1.79	1.4	<1	<25	<1	<10		
MW-10	11-Mar-09	97.8	5.34	2.56	<2	<25	2310	<200	<200	3.04	<0.3	3.07	105		0.649	<0.05			339	1.23	<1	<1	<25	0.3J	<10		
MW-24	8-Dec-98	145.9	5.75	1.02						4.2		2.5	66	140		2	0.07		260	0.78							0.78
MW-24	20-Dec-00	67	5.61				4410			8.25	0.08	2.5							101								
MW-24	16-Apr-01	93	5.20				2500			4.2	0.28	5			0.59				121	1.18							1.18
MW-24	3-Dec-01	103	5.83				2100			2.9									52.8	0.3							0.3
MW-24	12-Apr-02	17	5.59				1800			1.5									92	0.6							0.6
MW-24	5-Nov-02	62	5.76				2200			0.56		1.6			0.48	0.01			171	0.21							0.21
MW-24	17-Apr-03	10	5.79	0.50			88			3.6	0.33	4.4			0.35				33								
MW-24	4-Nov-03	-20	4.92	0.42			17			2.9		1.7			0.46				141								
MW-24	14-Apr-04	178	6.29	2.09			139			2.94		6.2			0.42				88								
MW-24	20-May-08	101	5.84	4.56	4	<5	<7.2	<20	<20	3.6	0.273J	0.421J	39		<0.3	0.03			75	2.72	<1	<1	<25	<1	<10	2.72	

**Table 4  
Geochemical Data  
North Wake Unlined Landfill  
Assessment of Corrective Measures Report**

Monitor Well	Sample Date	ORP (mV)	pH	Dissolved Oxygen (mg/l)	BOD	COD	Methane (ug/l)	Ethane (ug/l)	Ethene (ug/l)	Chloride	Nitrate	Total Organic Carbon	Alkalinity (CaCO3 - Lab)	Alkalinity (CaCO3 - Field)	Sulfate (Lab)	Sulfate (Field)	Sulfide (Lab)	Free Chlorine	Carbon Dioxide	Ferrous Iron	Acetic Acid	Butyric Acid	Lactic Acid	Propionic Acid	Pyruvic Acid	Dissolved Hydrogen (nM)	
TB-1a	9-Dec-98	193.8	5.98	0.64						4.1		0.54	95	120		2		0.05	500	0.15							0.15
TB-1a	20-Dec-00	63	5.52				2470			6.6	0.09	3.3							62								
TB-1a	17-Apr-01	78	5.63				1500			5.1	0.29	2.4			0.58		0.1		99								
TB-1a	3-Dec-01	111	6.01							3.1									52.8								
TB-1a	12-Apr-02	42	5.70				990			1.6									84								
TB-1a	5-Nov-02	58	5.83				400			4.2		0.7			0.47				138								
TB-1a	17-Apr-03	163	5.82	0.54			17			6.1	0.79	8.5			0.82		0.03		4								
TB-1a	4-Nov-03	1	5.04	0.16						7.5		1.6			0.46				213								
TB-1a	14-Apr-04	257	5.36	0.94						8.47		4.8			0.577				101.2								
TB-1a	20-May-08	-102	5.94	2.22	<2	<5	<7.2	<20	<20	14.9	0.356	0.864	42		11.6		<0.01		48	0.24	<1	<1	<25	<1	0.9J	0.24	
TB-1a	11-Nov-08	65	6.11	4.08	<2	50	5.1J	<20	<20	15.1	0.338	1.13	42		4.08		<0.01		106	1.59	<1	<1	<25	<1	<10		
TB-1a	11-Mar-09	-44	5.91	1.98	<2	<25	<7.2	<20	<20	12.8	0.209J	1.05	53.4		10.5		<0.05		114	3.06	<1	<1	<25	<1	<10		

Notes:

MW-11 & MW-11d are background wells for the site

All units are in milligrams per liter (parts per million), unless otherwise noted.

ND - Not Detected

-Blank Cells Indicate No Data Collected

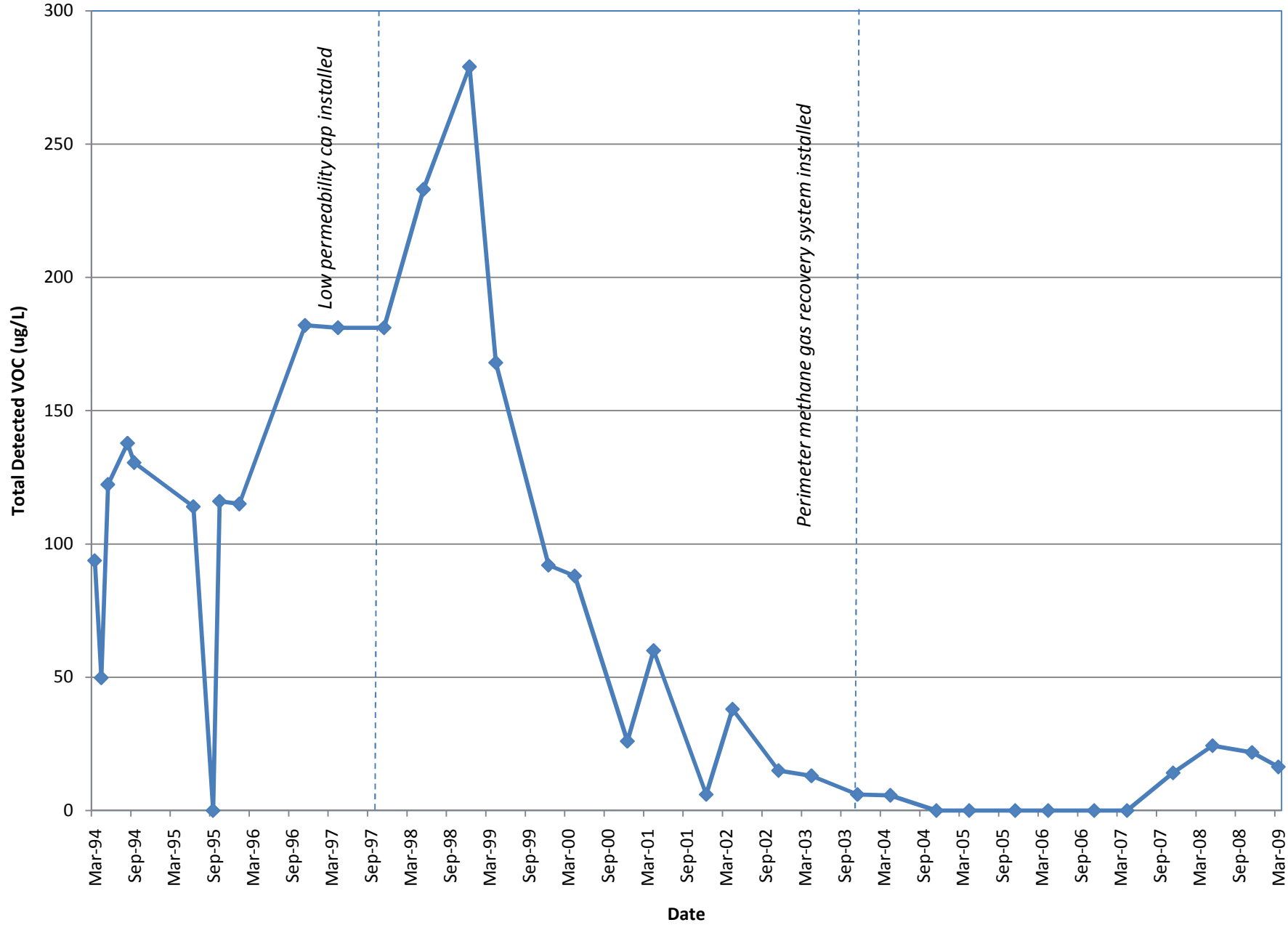
-Field Tests Performed with HACH test kits

J - Indicates the analytical result is an estimated concentration between the Method Detection Limit and the Solid Waste Section Reporting Limit (SWSL)

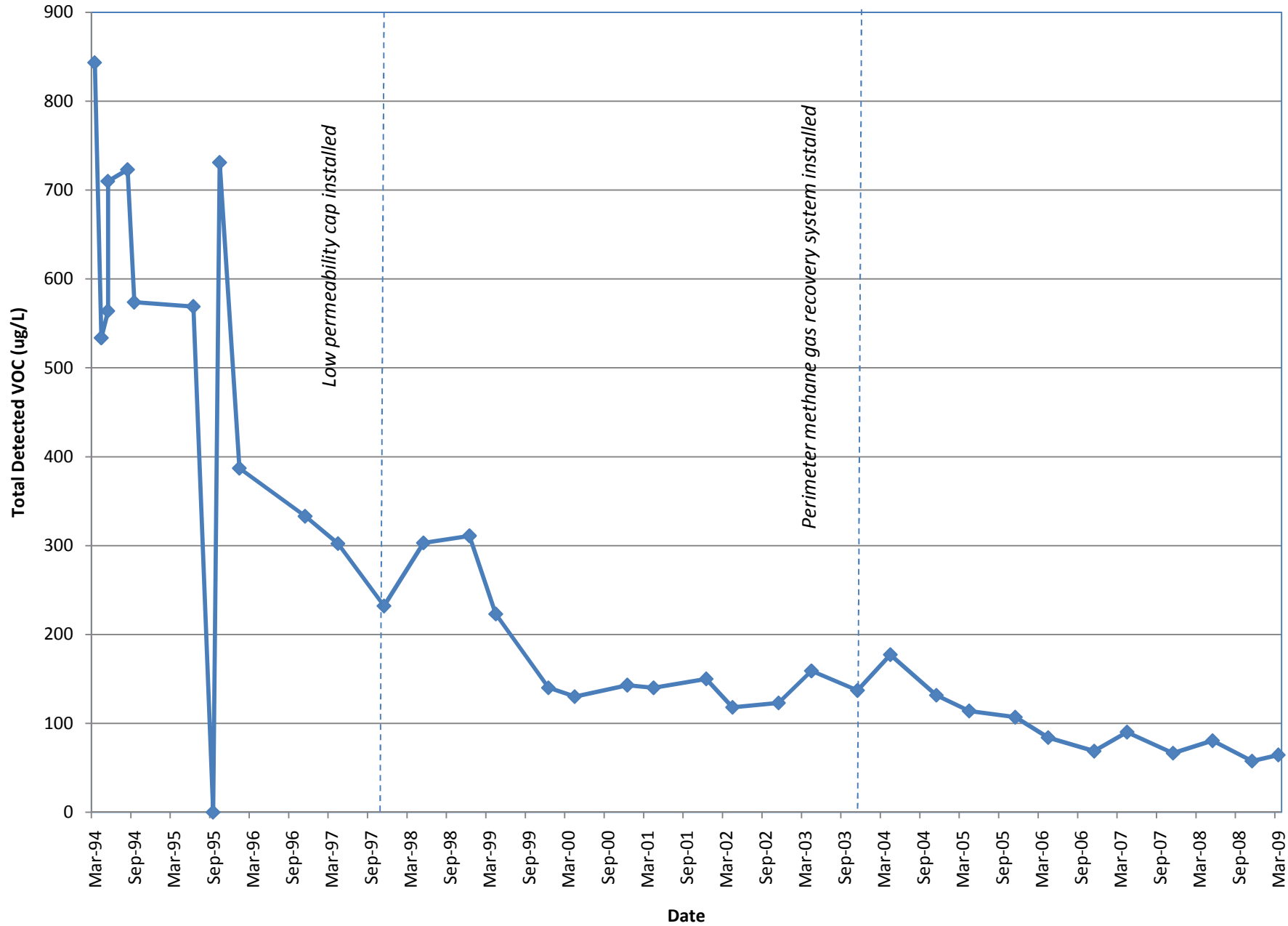
**Appendix B**

**Total Detected Volatile Organic Compounds Vs. Time Trend Figures for Select Wells**

**Figure 1**  
**MW-6**  
**Total Detected Volatile Organic Compounds Vs. Time**  
**North Wake Unlined Landfill**

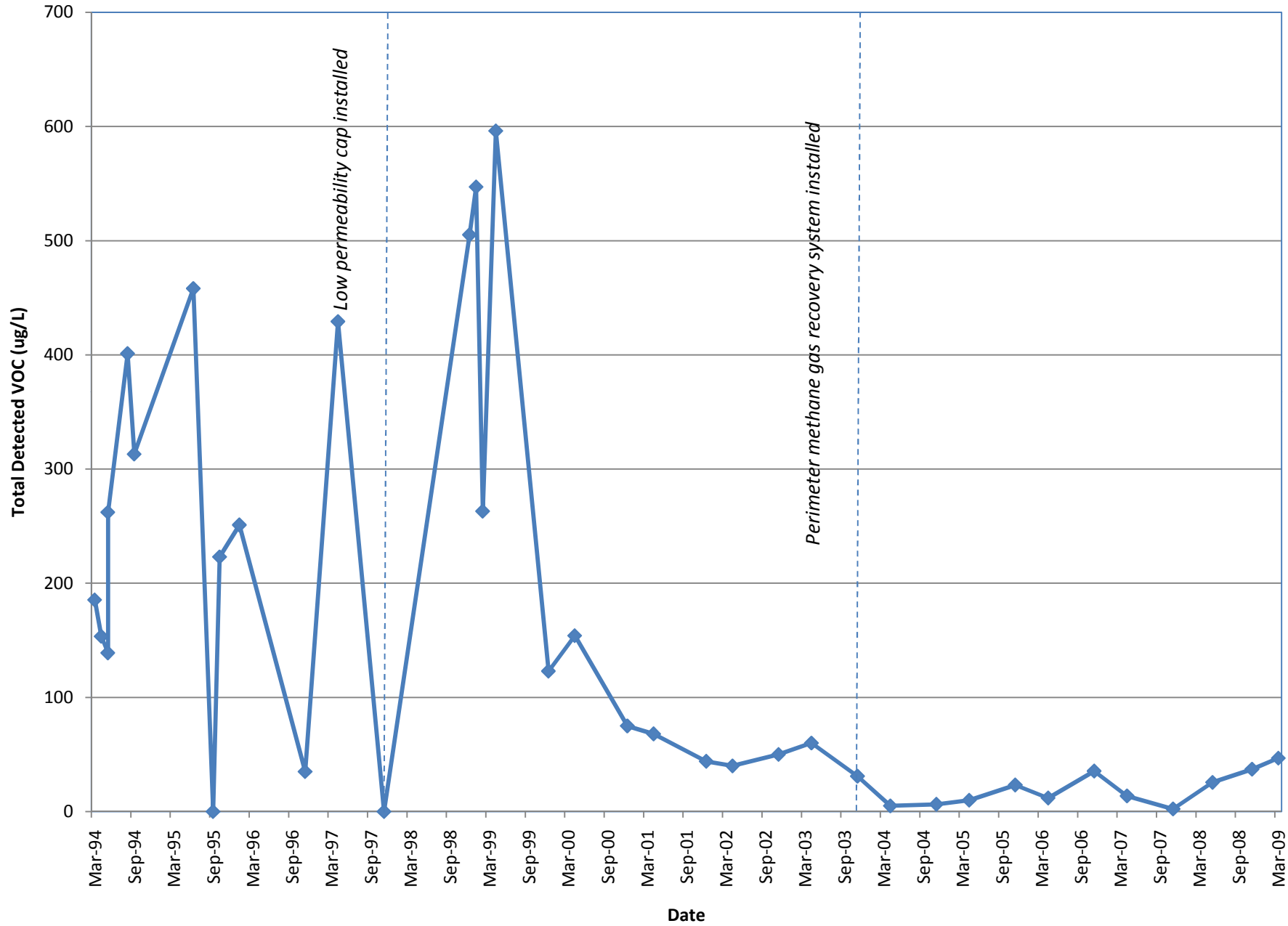


**Figure 2**  
**MW-9**  
**Total Detected Volatile Organic Compounds Vs. Time**  
**North Wake Unlined Landfill**





**Figure 3**  
**MW-10**  
**Total Detected Volatile Organic Compounds Vs. Time**  
**North Wake Unlined Landfill**



**Figure 4**  
**MW-23**  
**Total Detected Volatile Organic Compounds Vs. Time**  
**North Wake Unlined Landfill**

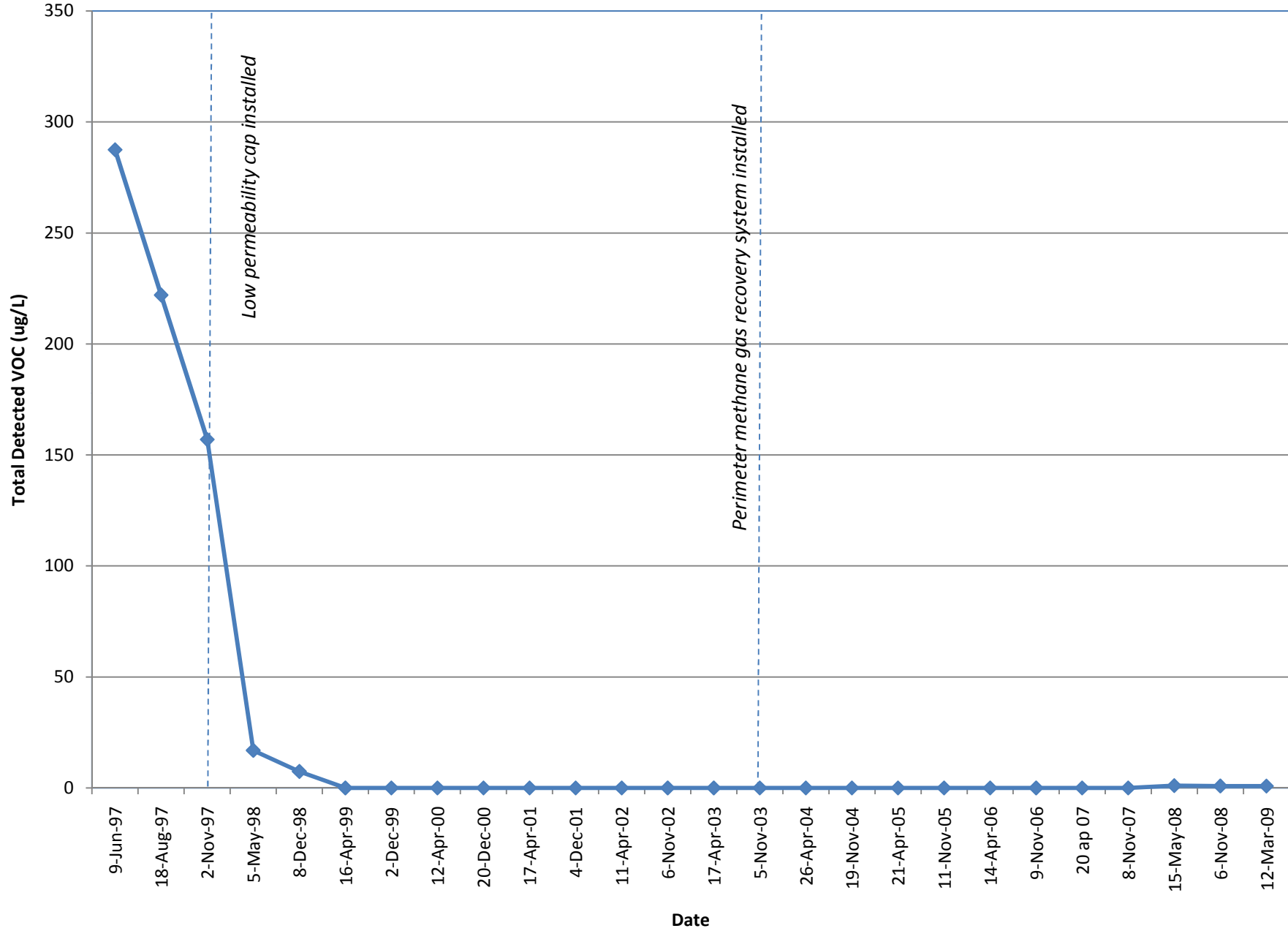


Figure 5  
MW-24  
Total Detected Volatile Organic Compounds Vs. Time  
North Wake Unlined Landfill

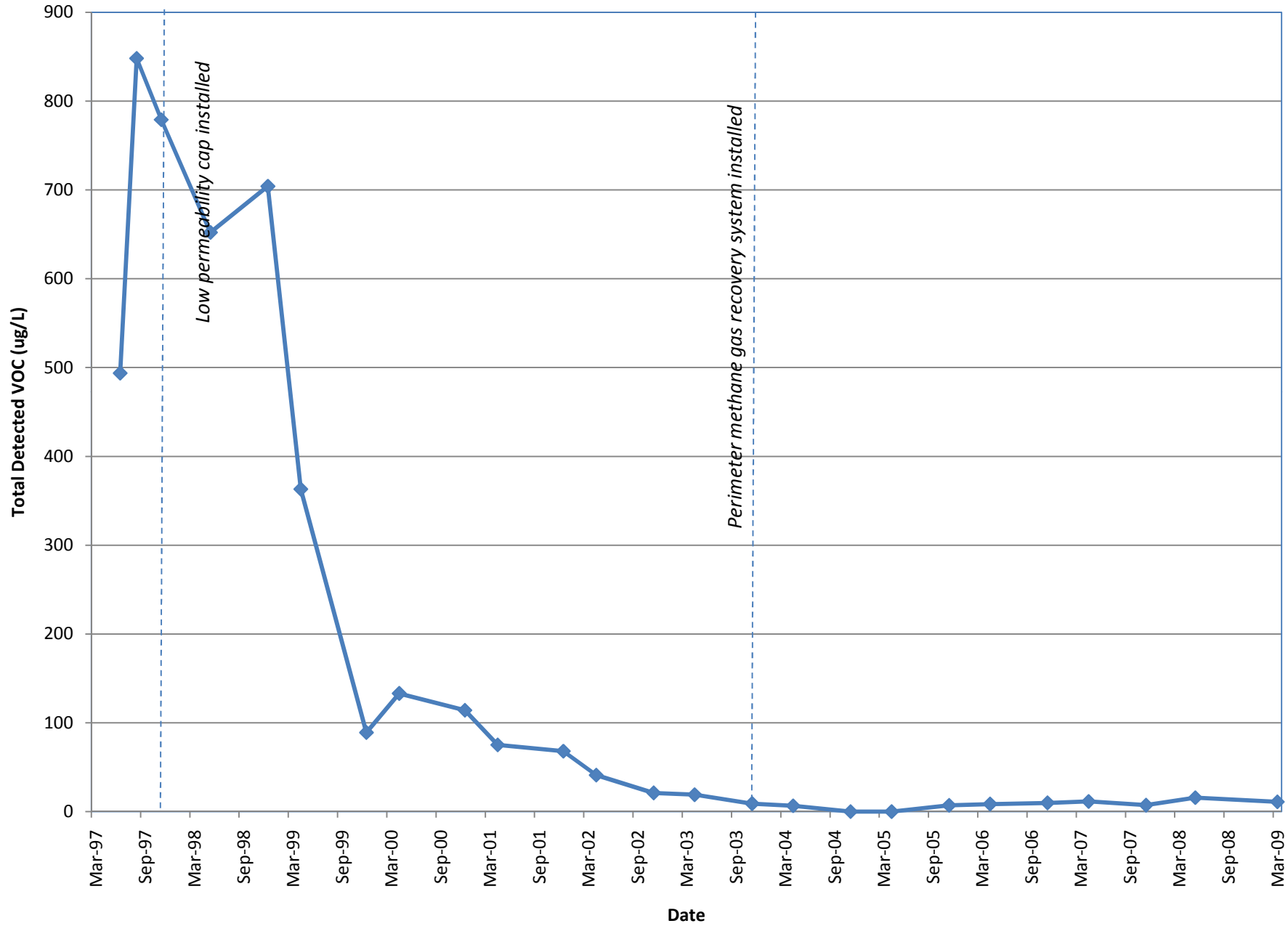


Figure 6  
TB-1A  
Total Detected Volatile Organic Compounds Vs. Time  
North Wake Unlined Landfill

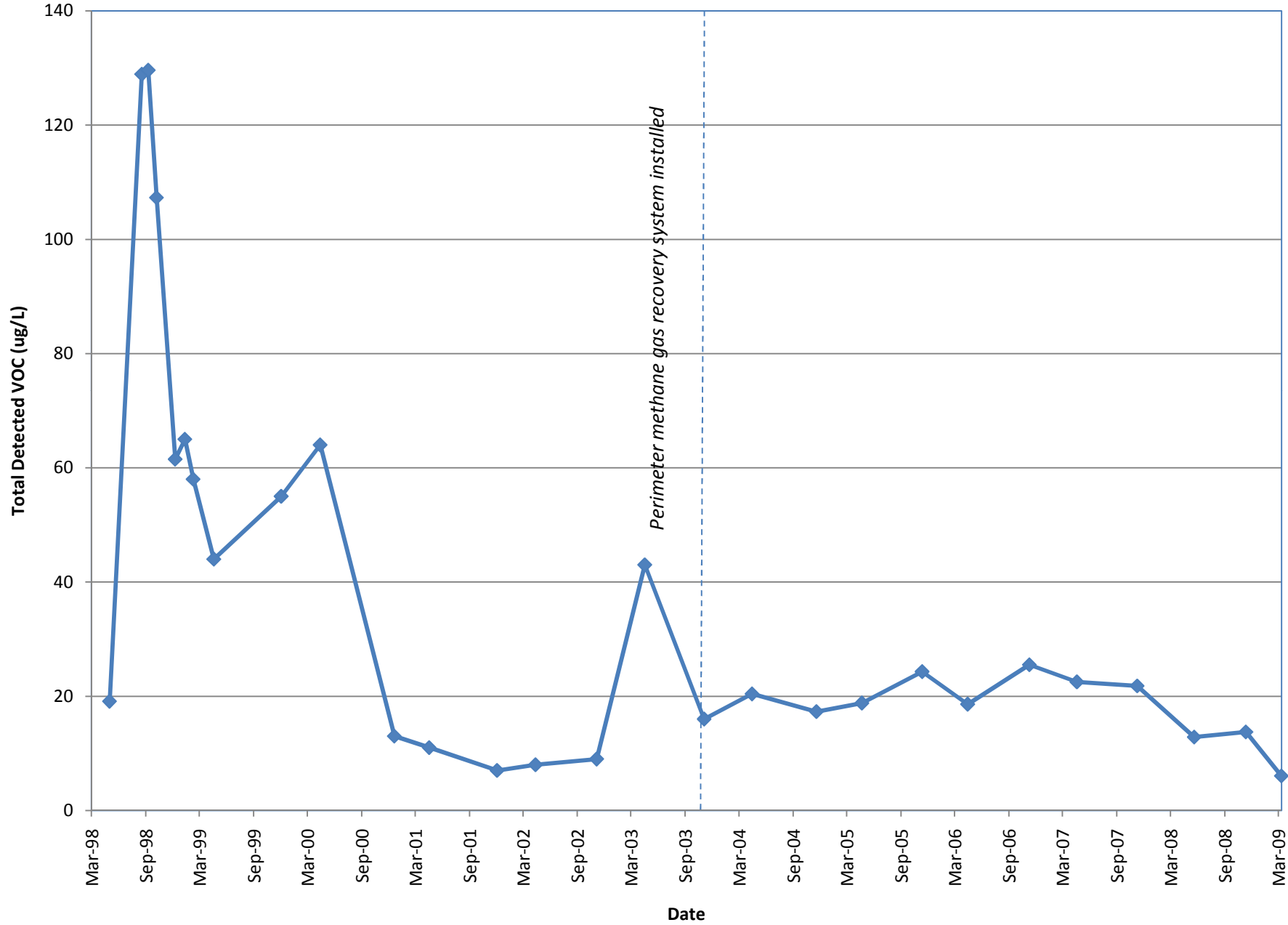


Figure 7  
MW-34  
Total Detected Volatile Organic Compounds Vs. Time  
North Wake Unlined Landfill

