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June 3, 2004

Mr. Larry Rose
North Carolina Department of Environment,
Health and Natural Resources
Division of Waste Management
Solid Waste Section
1646 Mail Service Center
Raleigh, NC 27699-1646

Re: Spring 2004 Analytical Results-Buncombe County Landfills

Dear Mr. Rose:

Enclosed please find the analytical results and potentiometric surface maps from the Fall 2003 sampling event for both the old and new Buncombe County Landfills. Also included is a statistical analysis of the detected constituents at the new landfill.

If you have any questions or comments concerning this matter, please give me, or Phil Cook, a call at (561) 689-7275.

Sincerely,

PBS&J

Geoffrey M. Burke, P.G.

cc: Ed Hilton
Bob Hunter, Buncombe County

Received
JUN 2004
Waste

3230 Commerce Place, Suite A • West Palm Beach, Florida 33407 • Telephone: 561.689.7275 • Fax: 561.689.3884 • www.pbsj.com

Statistical Analysis

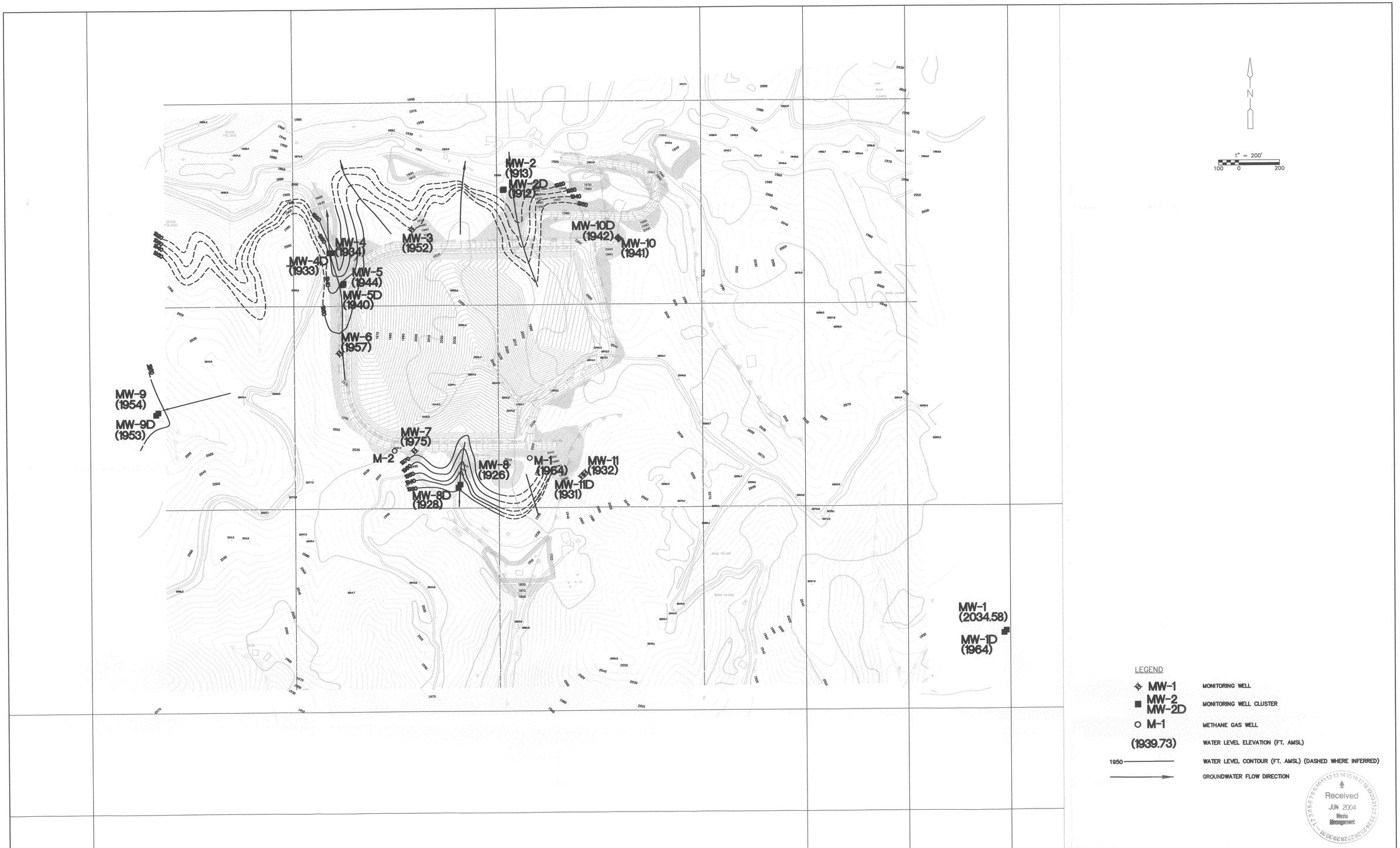
Buncombe County New Landfill
Spring 2004

Constituents detected during the Spring 2004 sampling event were analyzed in order to determine whether there is statistically significant evidence of contamination. This analysis was conducted by calculating Tolerance Intervals from background well data and comparing concentrations from the compliance wells to the calculated interval using the method specified in EPA, 1989. Background concentrations from the shallow monitoring well (MW-1) were compared to shallow compliance wells MW-2 through MW-12, and background concentrations from the deep monitoring well (MW-1D) were compared to the deep compliance wells (MW-2D, MW-4D, MW-5D, and MW-8D through MW-12D). Tolerance Interval calculations are provided in the attached tables.

Compliance well concentrations fell within calculated Tolerance Intervals for all of the detected constituents indicating there is no evidence of contamination.

Reference:

EPA, 1989. Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Interim Final Guidance, Office of Solid Waste. Washington D.C.



Received
JUN 2004
Waste Management

REV.NO.	DESCRIPTIONS	DATE
	REVISIONS	

SEAL

SEAL

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3222 COMMERCE PLACE
WEST PALM BEACH, FLORIDA 33407
(561) 689-7275

BUNCOMBE COUNTY, NORTH CAROLINA

POTENTIOMETRIC SURFACE
MARCH 2004

NEW BUNCOMBE COUNTY LANDFILL

DATE:	04/18/01
PROJ. NO.	280016
DRAWN	CMP
DESIGNED	PRC
CHECKED	PRC
PROJ. MGR.	GMB

SCALE: AS NOTED

FIG. 1

STATUS:

REVISION

Barium concentrations (ug/l)

	Background	Compliance Wells										
Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12
3/30/2004	130	280	150	200	120	54	160	87	250	150	100	140
9/30/2003	290	410	380	87	67	1100*	500	70	190	240	60	86
3/25/2003	190	120	260	110	52	59	120	62	160	320	61	220
10/28/2002	350											
4/30/2002	280											
10/23/2001	430											
5/1/2001	570											
11/6/2000	610											
4/4/2000	108											
11/2/1999	240											
4/27/1999	419											
11/9/1998	709											
4/14/1998	528											

n=	13	number of observations
Mean=	373	arithmetic mean
SD=	190	standard deviation
K=	2.670	one-sided normal tolerance factor (from table)
TL=	881	upper tolerance limit = [Mean + (SD x K)]

*indicates contamination (upper tolerance limit exceeded)

	Background	Compliance Wells							
Date	MW-1D	MW-2D	MW-4D	MW-5D	MW-8D	MW-9D	MW-10D	MW-11D	MW-12D
3/30/2004	76	100	62	50	55	190	12	17	6.8
9/30/2003	52	7.7	5.5	53	52	180	12	63	150
3/25/2003	37	77	45	50	53	130	130	65	1000
10/28/2002	270								
4/30/2002	60								
10/23/2001	110								
5/1/2001	530								
11/6/2000	880								
4/4/2000	1290								

n=	9	number of observations
Mean=	367	arithmetic mean
SD=	448	standard deviation
K=	3.031	one-sided normal tolerance factor (from table)
TL=	1724	upper tolerance limit = [Mean + (SD x K)]

*indicates contamination (upper tolerance limit exceeded)

Chromium concentrations (ug/l)

	Background	Compliance Wells										
Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12
3/30/2004	29	18	12	23	8.3	BDL	BDL	9.5	BDL	16	20	BDL
9/30/2003	20	26	85	BDL	7.4	290*	81	5.2	BDL	43	6.9	7.7
3/25/2003	5.1	120	47	9.3	8.4	BDL	5.1	BDL	BDL	69	7.6	36
10/28/2002	42											
4/30/2002	23											
10/23/2001	34											
5/1/2001	**2.5**											
11/6/2000	9.9											
4/4/2000	1											
11/2/1999	22											
4/27/1999	47											
11/9/1998	176											
4/14/1998	60											

n=	13	number of observations
Mean=	36	arithmetic mean
SD=	46	standard deviation
K=	2.670	one-sided normal tolerance factor (from table)
TL=	158	upper tolerance limit = [Mean + (SD x K)]

*indicates contamination (upper tolerance limit exceeded)

	Background	Compliance Wells							
Date	MW-1D	MW-2D	MW-4D	MW-5D	MW-8D	MW-9D	MW-10D	MW-11D	MW-12D
3/30/2004	1	5.7	62	BDL	BDL	BDL	BDL	BDL	BDL
9/30/2003	**2.5**	9.7	BDL	BDL	BDL	2.7	BDL	BDL	13
3/25/2003	12	BDL	BDL	BDL	BDL	BDL	35	BDL	170
10/28/2002	9.1								
4/30/2002	**2.5**								
10/23/2001	**2.5**								
5/1/2001	5.9								
11/6/2000	31								
4/4/2000	202								

n=	9	number of observations
Mean=	30	arithmetic mean
SD=	65	standard deviation
K=	3.031	one-sided normal tolerance factor (from table)
TL=	228	upper tolerance limit = [Mean + (SD x K)]

*indicates contamination (upper tolerance limit exceeded)

Copper concentrations (ug/l)

	Background	Compliance Wells										
Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12
3/30/2004	5	13	9.3	19	5.2	BDL	BDL	9.3	BDL	6	28	BDL
9/30/2003	9	20	36	2.7	3.6	100*	74	5.9	2.6	24	9.7	8
3/25/2003	8.3	4	18	8.1	2.9	BDL	5.5	4.1	2.6	31	5.9	22
10/28/2002	44											
4/30/2002	23											
10/23/2001	48											
5/1/2001	14											
11/6/2000	21											
4/4/2000	**2.5**											
11/2/1999	16											
4/27/1999	43											
11/9/1998	76											
4/14/1998	56											

n=	13	number of observations
Mean=	28	arithmetic mean
SD=	23	standard deviation
K=	2.670	one-sided normal tolerance factor (from table)
TL=	89	upper tolerance limit = [Mean + (SD x K)]

*indicates contamination (upper tolerance limit exceeded)

	Background	Compliance Wells							
Date	MW-1D	MW-2D	MW-4D	MW-5D	MW-8D	MW-9D	MW-10D	MW-11D	MW-12D
3/30/2004	6.8	3.4	13	BDL	BDL	3.4	3	BDL	2.2
9/30/2003	6	6.8	2.4	2.2	BDL	6.7	2.8	3.2	16
3/25/2003	2.1	BDL	6.7	BDL	BDL	BDL	21	2.6	200
10/28/2002	8.7								
4/30/2002	2.8								
10/23/2001	**2.5**								
5/1/2001	9.1								
11/6/2000	27								
4/4/2000	240								

n=	9	number of observations
Mean=	34	arithmetic mean
SD=	78	standard deviation
K=	3.031	one-sided normal tolerance factor (from table)
TL=	269	upper tolerance limit = [Mean + (SD x K)]

*indicates contamination (upper tolerance limit exceeded)

Nickel concentrations (ug/l)

	Background	Compliance Wells										
Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12
3/30/2004	**2.5**	21	55	13	5.1	BDL	13	5.2	23	8.7	4.8	5
9/30/2003	15	32	6.1	BDL	BDL	100	92	BDL	21	23	20	9.1
3/25/2003	5	6.7	62	5.5	BDL	BDL	12	BDL	36	36	21	48
10/28/2002	30											
4/30/2002	18											
10/23/2001	30											
5/1/2001	13											
11/6/2000	21											
4/4/2000	**2.5**											
11/2/1999	16											
4/27/1999	33											
11/9/1998	120											
4/14/1998	40											

n=	13	number of observations
Mean=	27	arithmetic mean
SD=	30	standard deviation
K=	2.670	one-sided normal tolerance factor (from table)
TL=	108	upper tolerance limit = [Mean + (SD x K)]

*indicates contamination (upper tolerance limit exceeded)

	Background	Compliance Wells							
Date	MW-1D	MW-2D	MW-4D	MW-5D	MW-8D	MW-9D	MW-10D	MW-11D	MW-12D
3/30/2004	9.7	BDL	7	BDL	BDL	8.6	6.8	BDL	BDL
9/30/2003	7.8	7.2	BDL	BDL	BDL	10	10	BDL	15
3/25/2003	5	BDL	BDL	BDL	BDL	BDL	BDL	13	230
10/28/2002	18								
4/30/2002	5.2								
10/23/2001	12								
5/1/2001	28								
11/6/2000	42								
4/4/2000	212								

n=	9	number of observations
Mean=	38	arithmetic mean
SD=	66	standard deviation
K=	3.031	one-sided normal tolerance factor (from table)
TL=	239	upper tolerance limit = [Mean + (SD x K)]

*indicates contamination (upper tolerance limit exceeded)

Zinc concentrations (ug/l)

	Background	Compliance Wells										
Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12
3/30/2004	**5**	78	32	27	13	BDL	BDL	14	BDL	21	21	BDL
9/30/2003	31	120	89	BDL	BDL	290*	99	BDL	BDL	38	11	16
3/25/2003	**5**	23	43	BDL	BDL	BDL	14	BDL	BDL	62	14	130
10/28/2002	48											
4/30/2002	28											
10/23/2001	51											
5/1/2001	37											
11/6/2000	200											
4/4/2000	**12.5**											
11/2/1999	34											
4/27/1999	55											
11/9/1998	102											
4/14/1998	90											

n=	13	number of observations
Mean=	54	arithmetic mean
SD=	53	standard deviation
K=	2.670	one-sided normal tolerance factor (from table)
TL=	195	upper tolerance limit = [Mean + (SD x K)]

*indicates contamination (upper tolerance limit exceeded)

	Background	Compliance Wells							
Date	MW-1D	MW-2D	MW-4D	MW-5D	MW-8D	MW-9D	MW-10D	MW-11D	MW-12D
3/30/2004	**50**	18	14	BDL	BDL	60	BDL	BDL	BDL
9/30/2003	42	24	12	BDL	BDL	17	16	BDL	20
3/25/2003	30	BDL	BDL	BDL	30	15	40	16	320*
10/28/2002	58								
4/30/2002	18								
10/23/2001	33								
5/1/2001	30								
11/6/2000	78								
4/4/2000	195								

n=	9	number of observations
Mean=	59	arithmetic mean
SD=	54	standard deviation
K=	3.031	one-sided normal tolerance factor (from table)
TL=	223	upper tolerance limit = [Mean + (SD x K)]

*indicates contamination (upper tolerance limit exceeded)

Cobalt concentrations (ug/l)

	Background	Compliance Wells										
Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12
3/30/2004	**2.5**	19	25	6.9	BDL	BDL	6.4	BDL	BDL	BDL	9.8	BDL
9/30/2003	9	27	44	BDL	BDL	100*	32	BDL	BDL	5.4	BDL	BDL
3/25/2003	**2.5**	5.4	21	BDL	BDL	BDL	BDL	BDL	BDL	14	BDL	18
10/28/2002	15											
4/30/2002	11											
10/23/2001	17											
5/1/2001	30											
11/6/2000	34											
4/4/2000	**2.5**											
11/2/1999	12											
4/27/1999	19											
11/9/1998	37											
4/14/1998	29											

n=	13	number of observations
Mean=	17	arithmetic mean
SD=	12	standard deviation
K=	2.670	one-sided normal tolerance factor (from table)
TL=	49	upper tolerance limit = [Mean + (SD x K)]

*indicates contamination (upper tolerance limit exceeded)

	Background	Compliance Wells							
Date	MW-1D	MW-2D	MW-4D	MW-5D	MW-8D	MW-9D	MW-10D	MW-11D	MW-12D
3/30/2004	**2.5**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
9/30/2003	**2.5**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
3/25/2003	**2.5**	BDL	BDL	BDL	BDL	BDL	9	BDL	81
10/28/2002	13								
4/30/2002	**2.5**								
10/23/2001	**2.5**								
5/1/2001	33								
11/6/2000	51								
4/4/2000	126								

n=	9	number of observations
Mean=	26	arithmetic mean
SD=	41	standard deviation
K=	3.031	one-sided normal tolerance factor (from table)
TL=	151	upper tolerance limit = [Mean + (SD x K)]

*indicates contamination (upper tolerance limit exceeded)

Vanadium concentrations (ug/l)

	Background	Compliance Wells										
Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12
3/30/2004	9.1	23	22	38	15	BDL	BDL	15	BDL	18	19	BDL
9/30/2003	39	30	94	BDL	28	380*	140	7.6	BDL	42	7.9	13
3/25/2003	13	6.8	66	19	38	BDL	11	7	BDL	69	7.7	45
10/28/2002	71											
4/30/2002	41											
10/23/2001	75											
5/1/2001	17											
11/6/2000	33											
4/4/2000	**2.5**											
11/2/1999	34											
4/27/1999	72											
11/9/1998	131											
4/14/1998	105											

n=	13	number of observations
Mean=	49	arithmetic mean
SD=	39	standard deviation
K=	2.670	one-sided normal tolerance factor (from table)
TL=	154	upper tolerance limit = [Mean + (SD x K)]

*indicates contamination (upper tolerance limit exceeded)

	Background	Compliance Wells							
Date	MW-1D	MW-2D	MW-4D	MW-5D	MW-8D	MW-9D	MW-10D	MW-11D	MW-12D
3/30/2004	6.2	8.2	39	BDL	BDL	6.2	BDL	BDL	BDL
9/30/2003	7	13	8.6	BDL	BDL	11	BDL	BDL	25
3/25/2003	**2.5**	BDL	22	BDL	BDL	BDL	25	BDL	300*
10/28/2002	13								
4/30/2002	**2.5**								
10/23/2001	**2.5**								
5/1/2001	33								
11/6/2000	51								
4/4/2000	126								

n=	9	number of observations
Mean=	27	arithmetic mean
SD=	41	standard deviation
K=	3.031	one-sided normal tolerance factor (from table)
TL=	150	upper tolerance limit = [Mean + (SD x K)]

*indicates contamination (upper tolerance limit exceeded)

Cadmium concentrations (ug/l)

	Background	Compliance Wells										
Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12
3/30/2004	**0.5**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
9/30/2003	**0.5**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
3/25/2003	**0.5**	BDL	1.5	BDL	BDL	BDL	BDL	BDL	BDL	2.8	BDL	1.8
10/28/2002	2.7											
4/30/2002	1.4											
10/23/2001	3.1											
5/1/2001	**0.5**											
11/6/2000	**0.5**											
4/4/2000	**0.5**											
11/2/1999	**0.5**											
4/27/1999	**0.5**											
11/9/1998	**0.5**											
4/14/1998	**0.5**											

n=	13	number of observations
Mean=	0.9	arithmetic mean
SD=	0.9	standard deviation
K=	2.670	one-sided normal tolerance factor (from table)
TL=	3	upper tolerance limit = [Mean + (SD x K)]

*indicates contamination (upper tolerance limit exceeded)

Arsenic concentrations (ug/l)

	Background	Compliance Wells										
Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12
3/30/2004	2.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
9/30/2003	2.5	BDL	BDL	BDL	BDL	8*	BDL	BDL	BDL	BDL	BDL	BDL
3/25/2003	2.5											
10/28/2002	2.5											
4/30/2002	5											
10/23/2001	5											
5/1/2001	5											
11/6/2000	5											
4/4/2000	2.5											
11/2/1999	2.5											
4/27/1999	2.5											
11/9/1998	2.5											
4/14/1998	2.5											

n=	13	number of observations
Mean=	3	arithmetic mean
SD=	1	standard deviation
K=	2.670	one-sided normal tolerance factor (from table)
TL=	6.6	upper tolerance limit = [Mean + (SD x K)]

*indicates contamination (upper tolerance limit exceeded)

	Background	Compliance Wells							
Date	MW-1D	MW-2D	MW-4D	MW-5D	MW-8D	MW-9D	MW-10D	MW-11D	MW-12D
3/30/2004	2.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
9/30/2003	2.5	BDL	BDL	BDL	BDL	8	BDL	BDL	BDL
3/25/2003	2.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.8
10/28/2002	2.5								
4/30/2002	5								
10/23/2001	5								
5/1/2001	5								
4/4/2000	2.5								

n=	8	number of observations
Mean=	3	arithmetic mean
SD=	1.3	standard deviation
K=	3.031	one-sided normal tolerance factor (from table)
TL=	7	upper tolerance limit = [Mean + (SD x K)]

*indicates contamination (upper tolerance limit exceeded)

Carbon disulfide concentrations (ug/l)

	Background	Compliance Wells										
Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12
3/30/2004	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
9/30/2003	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4/14/1998	1	BDL	BDL	32*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
11/9/1998	1											
4/27/1999	0.5											
11/2/1999	0.5											
4/4/2000	0.5											
11/6/2000	2.5											
5/1/2001	2.5											
10/23/2001	1											
4/30/2002	0.5											
10/28/2002	5											
3/25/2003	5											

n=	12	number of observations
Mean=	2	arithmetic mean
SD=	2	standard deviation
K=	2.736	one-sided normal tolerance factor (from table)
TL=	6	upper tolerance limit = [Mean + (SD x K)]

*indicates contamination (upper tolerance limit exceeded)

	Background	Compliance Wells							
Date	MW-1D	MW-2D	MW-4D	MW-5D	MW-8D	MW-9D	MW-10D	MW-11D	MW-12D
3/30/2004	1	BDL	BDL	BDL	6.4	BDL	BDL	BDL	BDL
9/30/2003	6.4	BDL	16	BDL	BDL	BDL	BDL	BDL	BDL
10/28/2002	14	BDL	BDL	28	BDL	BDL	BDL	BDL	13
3/25/2003	5								
4/30/2002	5								
4/4/2000	0.5								
10/23/2001	29.9								
5/1/2001	2.5								
11/6/2000	2.5								

n=	8	number of observations
Mean=	8	arithmetic mean
SD=	10	standard deviation
K=	3.188	one-sided normal tolerance factor (from table)
TL=	39	upper tolerance limit = [Mean + (SD x K)]

*indicates contamination (upper tolerance limit exceeded)

Lead concentrations (ug/l)

	Background	Compliance Wells										
Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12
3/30/2004	2.5	11	BDL	5.9	BDL	BDL	BDL	BDL	BDL	BDL	6.5	BDL
9/30/2003	2.5	12	6.1	BDL	BDL	34*	6.5	BDL	BDL	BDL	BDL	BDL
3/25/2003	5											
10/28/2002	5											
4/30/2002	5											
10/23/2001	5											
5/1/2001	5											
11/6/2000	5											
4/4/2000	2											
11/2/1999	2											
4/27/1999	6											
11/9/1998	10											
4/14/1998	2											

n=	13	number of observations
Mean=	4	arithmetic mean
SD=	2	standard deviation
K=	2.736	one-sided normal tolerance factor (from table)
TL=	11	upper tolerance limit = [Mean + (SD x K)]

*indicates contamination (upper tolerance limit exceeded)

	Background	Compliance Wells							
Date	MW-1D	MW-2D	MW-4D	MW-5D	MW-8D	MW-9D	MW-10D	MW-11D	MW-12D
3/30/2004	6.1	BDL	BDL	BDL	BDL	5.1	BDL	BDL	BDL
9/30/2003	9.8	BDL	BDL	BDL	BDL	6	BDL	BDL	BDL
3/25/2003	11								
10/28/2002	5								
4/30/2002	5								
10/23/2001	5								
5/1/2001	5								
11/6/2000	5								
4/4/2000	25								

n=	8	number of observations
Mean=	9	arithmetic mean
SD=	7	standard deviation
K=	3.188	one-sided normal tolerance factor (from table)
TL=	31	upper tolerance limit = [Mean + (SD x K)]

*indicates contamination (upper tolerance limit exceeded)

Antimony concentrations (ug/l)

	Background	Compliance Wells										
Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12
3/30/2004	2.5	BDL	BDL	BDL	BDL	BDL	BDL	5.5	BDL	BDL	BDL	BDL
9/30/2003	2.5	BDL	BDL	BDL	BDL	BDL	BDL	5.5	BDL	BDL	BDL	BDL
3/25/2003	5											
10/28/2002	5											
4/30/2002	5											
10/23/2001	5											
5/1/2001	5											
11/6/2000	2.5											
4/4/2000	2.5											
11/2/1999	2.5											
4/27/1999	2.5											
11/9/1998	2.5											
4/14/1998	2.5											

n=	13	number of observations
Mean=	3	arithmetic mean
SD=	1	standard deviation
K=	2.736	one-sided normal tolerance factor (from table)
TL=	7	upper tolerance limit = [Mean + (SD x K)]

	Background	Compliance Wells							
Date	MW-1D	MW-2D	MW-4D	MW-5D	MW-8D	MW-9D	MW-10D	MW-11D	MW-12D
3/30/2004	2.5	7.7	5.5	BDL	BDL	BDL	BDL	BDL	BDL
9/30/2003	2.5	7.7	5.5	BDL	BDL	BDL	BDL	BDL	BDL
3/25/2003	5								
10/28/2002	5								
4/30/2002	5								
10/23/2001	5								
5/1/2001	5								
11/6/2000	5								
4/4/2000	2.5								

n=	9	number of observations
Mean=	4	arithmetic mean
SD=	1	standard deviation
K=	3.188	one-sided normal tolerance factor (from table)
TL=	8	upper tolerance limit = [Mean + (SD x K)]

(3-29-04 Event)

Buncombe Co. - Old LF 11-01 VOC data

		ppb
MW-10		
MW-12-10		
MW-12-25	1,2-DCB	2.2
MW-13-10		
MW-13-132	C-DCE	6.7
	1,1-DCA	3.8
	PCE	1.4
MW-13-35	1,1-DCA	9.2
	C-DCE	80
	T-1,2-DCE	3
	1,2-DCP	5.9
	1,2-DCB	4.7
	TCE	19
	V.C.	3.6
	1,4-DCB	38
	Chlorobenzene	5.6
	Benzene	7.3
MW-14		
MW-15	Sp. cond.	4000
MW-16		
MW-17-137	V.C.	33
	TCE	7.6
	C-DCE	200
	1,1-DCA	7.7
	1,1-DCE	1.1
MW-17-310		
MW-17-60	TCE	1.2
	C-DCE	51

Cont.		ppb
MW-17-60	1,1-DCA	7.6
MW-18-78	Chlorobenzene	2.5
	Chloroethane	4.2
	C-DCE	2.7
	1,1-DCA	8.4
	1,2-DCB	1.6
MW-19-110		
MW-19-75	1,4-DCB	1.7
	Chloroethane	3.2
	1,1-DCA	3.5
MW-2		
MW-20-32		
MW-21-21	1,4-DCB	7.9
	1,2-DCP	1.6
	CDCE	4.5
	Chloroethane	17
	Chlorobenzene	1.9
	1,1-DCA	49
	TCE	2.3
	Benzene	4.2
MW-21-94	1,1-DCA	7.5
	CDCE	1.1
	chloroethane	1.7
MW-22-143		
MW-22-78		
MW-23-119		
MW-23-186		
MW-24-160		

Buncombe Co - Old LF 11-01 VOC data

		ppb
MW-24-45	Nickel	12000 *
MW-3	C-DCE	12
	TCE	1.2
	1,1-DCA	71
	Chlorobenzene	2.3
	Chloroethane	19
	1,2-DCB	1.2
	1,4-DCB	11
MW-4	Chloroethane	13
	1,1-DCA	56
	1,1-DCE	1.4
	C-DCE	5.6
	1,4-DCB	1.8
	TCE	7.3
	1,1,1-TCA	2.4
	PCE	4.4
	Benzene	2.5
	M.C.	2.2
MW-4A	T-1,2-DCE	1.8
	1,4-DCB	140
	1,2-DCB	16
	2-Hexanone	7.9
	Ethylbenzene	16
	Toluene	35
	V.C.	1.6
	Chlorobenzene	7.8
	Acetone	160
	Xylenes	30
	[illegible]	6.5

MW-5	C-DCE	1.1
	Benzene	1.1
	Chlorobenzene	10
	Chloroethane	9.8
	1,4-DCB	5
	1,1-DCA	3.4
MW-6	Benzene	2.3
	C-DCE	1.6
	1,1-DCA	32
	1,4-DCB	3.6
	Chloroethane	16
	Chlorobenzene	7.7
MW-6-192	Chloroethane	3.1
	1,1-DCA	6.1
MW-8		
MW-9		
MW-A		
MW-B	C-DCE	6.8
	1,1-DCA	1.5
	V.C.	2.2
MW-DPL-2	Chloroethane	14
	1,4-DCB	1.9
	1,1-DCA	61
	1,1-DCE	2.2
	C-DCE	6.9
	TCE	6.6
	PCE	5.5

Buncombe Co. - Old LF 11-01 VOC data

SW-1		
SW-2		
SW-2A		
SW-3		
SW-6		
SW-7		
SW-8		
SW-9		
MW-7	dry	
MW-18-3	dry	
MW-19-4	dry	
MW-20-3	dry	
MW-21-4	dry	
DPL-1	dry	
SW-4	dry	
SW-5	dry	
MW-24-45	Sp. cond	15,000
MW-23-119	Sp. cond	6,700

Buncombe Co. - Lined LF 11-07

3/24/04 event

LD-1	Benzene	1.1	MW-9
	1,1-DCA	12	MW-9d
	C-DCE	1.8	SW-1
LD-3			SW-2
LD-4			SW-3
LD-5			SW-4
Leachate	Toluene	2	SW-5
	Acetone	56	
			LD-2 dry
MW-1			
MW-10			
MW-10d			
MW-11			
MW-11d			
MW-12			
MW-12d			
MW-1d			
MW-2			
MW-2d			
MW-3			
MW-4			
MW-4d			
MW-5			
MW-5d			
MW-6			
MW-7			
MW-8			
MW-8d			