

Table 1. Summary of Soil Borings and Well Construction
BMI Landfill CAMU Site - Clark County, Nevada

Well ID	Borehole ID	Borehole Completion Date	Well Completion Date	Well Construction Details																														
				Well Purpose	Drilling Method	Drilling Fluid	TOC Elevation (feet amsl)	Borehole Elevation (feet amsl)	Borehole Diameter (Inches)	Total Borehole Depth (feet bgs)	Depth to First-encountered Water (ft bgs)	Depth to Encountered Aa/UMCr Contact (feet bgs)	Well Elevation (feet amsl)	Well Casing/Screen Material	Diameter of Casing	Screen Slot Size (Inches)	Depth to Top of Screen (feet bgs)	Depth to Bottom of Screen (feet bgs)	Top of Screen Elevation (feet amsl)	Bottom of Screen Elevation (feet amsl)	Formation Screened	Estimated Water-bearing Zone Thickness (feet)	Bottom Seal Material	Bottom Seal Interval (feet)	Filter Pack Sand Size	Filter Pack Interval (feet)	Transition Sand Size Interval (feet)	Bentonite Seal Interval (feet)	Grout Material	Grout Interval (feet)	Wellhead Completion			
GW-AA-BW-01A	BW-1A	3/9/05	3/10/05	Monitoring	Sonic	NA	1754.563	1752.838	7.5" Dia.Casing	60	50	46	NM	Sch 80 PVC	4	0.010	33	33	1721.563	1701.563	TMC	15	Bentonite	54-60	#2/12	30-54	NA	NA	25-30	Bentonite-Cement	0-25	Monument		
GW-AA-BW-02A	BW-2A	3/3/05	3/8/05	Monitoring	Sonic	NA	1748.799	1746.777	7.5" Dia.Casing	60	50	42	NM	Sch 80 PVC	4	0.010	33	33	1715.799	1695.799	Qal/TMC	5	Bentonite	54-59.5	#2/12	30-54	NA	NA	24.5-30	Bentonite-Cement	0-24.5	Monument		
GW-AA-BW-03A	BW-3A	3/2/05	3/2/05	Monitoring	Sonic	NA	1741.627	1739.478	7.5" Dia.Casing	60	49	42.5	NM	Sch 80 PVC	4	0.010	33	33	1708.627	1688.627	Qal/TMC	15	Bentonite	NA	#2/12	NA	NA	26-30	Bentonite-Cement	0-26	Monument			
GW-AA-BW-04A	BW-4A	2/23/05	2/24/05	Monitoring	Sonic	NA	1731.486	1729.467	7.5" Dia.Casing	60	43	51	NM	Sch 80 PVC	4	0.010	32	32	1699.486	1679.486	Qal	9	Bentonite	NA	#2/12	NA	NA	23-29	Bentonite-Cement	0-23	Monument			
GW-AA-BW-05A	BW-5B	2/11/05	2/12/05	Monitoring	Sonic	NA	1731.403	1729.209	7.5" Dia.Casing	200	40	64	NM	Sch 80 PVC	4	0.010	34	64	1697.403	1667.403	Qal	15	Bentonite	65-200	#2/12	31-65	NA	NA	27-31	Bentonite-Cement	0-27	Monument		
GW-AA-BW-06A	BW-6A	2/25/05	3/10/05	Monitoring	Sonic	NA	1731.4	1729.278	7.5" Dia.Casing	50	32.5	42	NM	Sch 80 PVC	4	0.010	23	43	1708.4	1688.4	Qal	--	Bentonite	NA	#2/12	NA	NA	16-20	Bentonite-Cement	0-16	Monument			
GW-AA-BW-07A	BW-7A	2/27/05	2/28/05	Monitoring	Sonic	NA	1741.727	1739.890	7.5" Dia.Casing	60	45	50	NM	Sch 80 PVC	4	0.010	32	52	1709.727	1689.727	Qal/TMC	5	Bentonite	NA	#2/12	NA	NA	24-29	Bentonite-Cement	0-24	Monument			
GW-MCF-BW-08	BW-8A	3/14/05	3/14/05	Monitoring	Sonic	NA	1763.387	1761.518	7.5" Dia.Casing	90	50	69.5	NM	Sch 80 PVC	4	0.01	77	87	1686.387	1676.387	TMC	--	Bentonite	NA	#2/12	75-88.5	NA	NA	88.5-90	Bentonite-Cement	0-71	Monument		
GW-AA-BW-08A	BW-8B	3/15/05	3/15/05	Monitoring	Sonic	NA	1763.179	1761.275	7.5" Dia.Casing	75	50	62	NM	Sch 80 PVC	4	0.010	37.5	57.5	1725.679	1705.679	Qal	10	Bentonite	59-75	#2/12	34.5-59	NA	NA	29.5-34.5	Bentonite-Cement	0-29.5	Monument		
GW-AA-BW-08B	BW-8C	3/16/05	3/17/05	Monitoring	Sonic	NA	1763.628	1761.474	7.5" Dia.Casing	75	47	59	NM	Sch 80 PVC	4	0.010	43	63	1720.628	1700.628	Qal/TMC	--	Bentonite	75-65	#2/12	40-65	NA	NA	35.5-40	Bentonite-Cement	0-35.5	Monument		
GW-AA-BW-09A	BW-9B	3/10/05	3/11/05	Monitoring	Sonic	NA	1763.122	1761.593	7.5" Dia.Casing	60	49.5	51	NM	Sch 80 PVC	4	0.010	33	53	1730.122	1710.122	Qal/TMC	11	Bentonite	54-60	#2/12	30-54	NA	NA	26-30	Bentonite-Cement	0-26	Monument		
GW-MCF-BW-09B	BW-9B	3/12/05	3/12/05	Monitoring	Sonic	NA	1763.090	1761.626	7.5" Dia.Casing	80	47	53.5	NM	Sch 80 PVC	4	0.010	58	78	1705.09	1685.09	TMC	--	Bentonite	79.5-80	#2/12	56-79.5	NA	NA	51-56	Bentonite-Cement	0-51	Monument		
GW-MCF-BW-10A	BW-10A	3/24/05	3/24/05	Monitoring	Sonic	NA	1779.361	1777.308	7.5" Dia.Casing	80	60	39	NM	Sch 80 PVC	4	0.010	57	72	1722.361	1707.361	TMC	--	Bentonite	73-80	#2/12	54-73	NA	NA	50-54	Bentonite-Cement	0-50	Monument		
GW-MCF-BW-11A	BW-11A	3/22/05	3/23/05	Monitoring	Sonic	NA	1778.375	1776.180	7.5" Dia.Casing	80	60	52	NM	Sch 80 PVC	4	0.010	57	72	1721.375	1706.375	TMC	18	Bentonite	73-79	#2/12	54.5-73	NA	NA	50-54.5	Bentonite-Cement	0-50	Monument		
GW-AA-BW-12A	BW-12B	2/15/05	2/15/05	Monitoring	Sonic	NA	1778.542	1776.537	7.5" Dia.Casing	200	59.5	60	NM	Sch 80 PVC	4	0.010	49	69	1729.542	1709.542	Qal/TMC	12	Bentonite	70.5-200	#2/12	45-70.5	NA	NA	41-45	Bentonite-Cement	0-41	Monument		
GW-MCF-BW-13A	BW-13A	3/29/05	3/29/05	Monitoring	Sonic	NA	1731.527	1731.573	7.5" Dia.Casing	86.5	29	55	NM	Sch 80 PVC	4	0.010	49	69	1682.527	1662.527	Qal	--	Bentonite	71-86.5	#2/12	58-71	NA	NA	53-58	Bentonite-Cement	0-53	Flush Mount		
GW-AA-BW-13A	BW-13B	3/30/05	3/30/05	Monitoring	Sonic	NA	1731.668	1731.819	7.5" Dia.Casing	60	29	35	NM	Sch 80 PVC	4	0.010	18	38	1713.668	1693.668	Qal	--	Bentonite	39.5-60	#2/12	16-39.5	NA	NA	11-16	Bentonite-Cement	0-11	Flush Mount		
H-42	H-42	2/22/80	--	Monitoring	--	NA	1729.09	1728.2	10"	55	--	44	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
H-46	H-46	--	3/29/80	Monitoring	--	NA	1730.03	1728.8	--	51	--	42	NM	--	--	--	36	51	1694.03	1679.03	Qal/TMC	--	--	--	--	--	--	--	--	--	--	--	--	
H-19	H-19	2/19/80	2/20/80	Monitoring	--	NA	1729.26	1728.6	6"	75	30.71	42	NM	Steel	6	--	34.8	49.8	1694.46	1679.46	Qal/TMC	--	--	--	--	1-75	0.5-1	--	Cement	0-0.5	Monument			
H-43	H-43	2/27/80	--	Monitoring	--	NA	1729.82	1728.2	10"	55	31.1	45.5	NM	--	--	--	29	44	1700.82	1685.82	Qal	--	--	--	--	--	--	--	--	--	--	--	--	
MC-001	MC-001	6/8/82	--	Monitoring	--	NA	1730.12	1728.92	--	40	30.3	35	NM	PVC	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
H-23	H-23	1/31/80	1/31/80	Monitoring	--	NA	1730.6	1729.5	6"	101	42.5	42.5	NM	--	6	--	30	50	1700.6	1680.6	Qal/TMC	--	--	--	--	25-101	22-25	--	Cement	0-22	--	--		
H-28	H-28	--	12/18/80	Monitoring	--	NA	1730.33	1729.1	10"	51	--	44.5	NM	Steel	6	--	38	51	1692.33	1679.33	Qal/TMC	--	--	--	--	28-51	--	--	Cement	0-28	--	--	--	
M-006	M-006	6/2/82	6/3/82	Monitoring	Rotary	NA	1729.17	1727.92	9.5" Dia.Casing	43	30.08	32	NM	Steel	5	0.125	25	35	1704.17	1694.17	Qal/TMC	--	--	--	0.125"-0.375"	22-43	--	--	18-22	Grout	0-15	Monument		
TR-2	TR-2	9/8/99	--	Monitoring	--	NA	--	1750	--	180	--	37	NM	--	--	--	140	170	--	--	TMC	--	--	--	--	--	--	--	--	--	--	--	--	
B-18	B-18	--	1/25/89	Monitoring	--	NA	--	--	--	60	47.5	45	NM	--	--	--	44.5	54.5	--	--	Qal	8	--	--	--	39.5-60	--	--	37.5-39.5	--	0-37.5	--	--	
B-17	B-17	--	1/26/89	Monitoring	--	NA	--	--	--	65	50.5	50	NM	--	--	--	49	59	--	--	Qal/TMC	--	--	--	--	44-65	--	--	42-44	--	0-42	--	--	
boring	BW-12A	3/26/05	--	Monitoring	Sonic	NA	--	--	7.5" Dia.Casing	131.5	68	57.5	NM	--	--	--	--	--	--	--	--	40	--	--	--	--	--	--	--	--	--	--	--	
H-41	H-41	2/22/80	4/16/80	Monitoring	--	NA	1774.92	1773.7	6"	75	46	54	NM	Steel	6	--	65	75	1709.92	1699.92	TMC	--	--	--	--	--	--	--	--	--	--	--	--	--
EC-2	EC-2	--	2/10/98	Monitoring	--	NA	--	--	--	70	60	66	NM	Sch 40 PVC	4	0.020	50	70	--	--	Qal/TMC	--	--	--	#3	35-70	--	--	30-35	Cement	0-35	Flush Mount		
B-15	B-15	--	1/11/89	Monitoring	--	NA	--	--	--	65	58	--	NM	--	--	--	49	59	--	--	Qal	--	--	--	--	44-65	--	--	42-44	--	0-42	--	--	
EC-1	EC-1	--	2/11/98	Monitoring	--	NA	--	--	--	70	60	55	NM	Sch 40 PVC	4	0.020	50	70	--	--	Qal/TMC	--	--	--	#3	45-70	--	--	39-45	Cement	0-39	Flush Mount		
H-39	H-39	--	2/19/80	Monitoring	--	NA	1770.32	1770.7	8"	75	45	43	NM	--	8"	--	15	75	1755.32	1695.32	Qal/TMC	--	--	--	--	--	--	--	--	--	--	--	--	--
boring	WDE-1	11/1/00	--	--	--	NA	--	--	4-1/4" ID HSA	52	50	50	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
boring	WDE-3	11/1/00	--	--	--	NA	--	--	4-1/4" ID HSA	52	49.75	49	NM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

NOTES:

ID - Identification
bgs - Below ground surface
amsl - Above mean sea level
WDC - Water Development Corporation
NM - Not measured
NS - Not sampled

-- - data not applicable or not available
Sch 80 PVC - Schedule 80 polyvinyl chloride
HSA - Hollow stem auger
NA - Not applicable
BW - Groundwater Monitoring Well
BS - Silt Trench Soil Boring

Aa - Alluvium Aquifer
TMC - Tertiary Muddy Creek formation
Note: data compiled from historical boring logs, where available, and data provided by MWH (2008) database files.