TABLE 4.1
SUMMARY OF WELL LOCATIONS AND INSTALLATION DEPTHS
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

WELL ID	EAST COORDINATES	NORTH COORDINATES	GROUND SURFACE ELEVATION	WELLHEAD ELEVATION	DEPTH OF BORING	BEDROCK SURFACE ELEVATION	DATE DRILLING COMPLETED	DATE DEVELOPED	SAMPLE ZONE ELEVATIONS [1]		
									TOP	CENTER	BOTTOM
MW-30-69	604885.30	462996.83	77.50	75.66	87.20	51.70	11/11/05	11/19/05	8.4	6.4	4.4
30-71[2]									8.4	4.9	4.4
30-82[2]									-1.6	-6.6	-9.6
30-84									-1.6	-8.1	-9.6
MW-31-49	604924.22	462969.84	77.45	75.64	88.15	75.74	12/20/05	2/14/06	40.8	26.8	26.3
31-63									20.3	12.3	11.8
31-85									5.8	-9.2	-9.7
MW-32-62	604876.03	462953.48	78.90	77.13	200.00	71.40	12/21/05	1/13/06	30.3	15.3	14.8
32-92									-5.2	-15.2	-15.7
32-140									-42.7	-62.7	-63.2
32-165									-69.2	-87.7	-89.2
32-196									-95.2	-119.2	-120.7
MW-33	604767.86	462995.54	18.88	18.62	30.21	12.38	12/12/05	12/14/05		2.9	
MW-34	604755.31	462976.79	18.48	18.07	30.00	14.98	12/8/05	12/13/05		2.0	
MW-35	604744.19	462962.18	18.60	18.44	29.70	10.60	12/6/05	12/20/05		3.6	
MW-36-24	604657.59	463090.60	11.80	11.60	54.00	-12.20	1/24/06	2/1/06	5.2	-4.3	-13.8
36-41				11.75					-20.2	-25.2	-30.2
36-52				11.67					-34.4	-37.9	-41.4
MW-37-22	604604.87	463075.37	15.02	14.85	57.00	-9.98	2/9/06	2/22/06	6.7	-0.8	-8.3
37-32				14.79					-11.8	-14.8	-17.8
37-40				14.96					-22.9	-24.2	-25.4
37-57				14.79					-34.7	-38.2	-41.7
MW-38	603810.21	462505.68	14.34	14.00	40.00	NA	12/1/05		12.0	-6.5	-25.0
MW-39-67	604676.87	462425.51	81.83	79.99	200.00	57.33	2/10/06	2/21/06	15.0	13.0	9.5
39-84									0.5	-3.5	-5.0
39-100[2]									-13.0	-20.0	-23.0
39-102									-13.0	-21.5	-22.0
39-124									-35.0	-44.0	-46.5
39-183									-89.5	-102.5	-106.0
39-195									-113.0	-115.0	-118.5
MW-40-24[2]	603899.35	461950.51	74.95	73.16	200.00	69.95	1/30/06	2/6/06	55.0	49.0	38.0
40-27									55.0	46.5	38.0
40-46									29.0	27.0	19.5
40-81									8.5	-7.5	-11.0
40-100									-20.0	-27.0	-33.5
40-127									-52.0	-54.0	-63.5
40-162									-85.5	-88.5	-117.0
MW-41-13	604531.11	462318.68	54.87	0.00	65.00	40.00	2/23/06	3/2/06	54.7	48.2	41.7
41-40				54.13					35.2	23.2	11.2
41-63				54.13					0.5	-4.5	-9.5
MW-42-49	604857.50	462750.33	69.71	69.42	80.00	44.71	3/16/06	3/22/06	42.7	31.2	19.7
42-78				69.52				3/21/06	2.1	-3.9	-9.9
MW-43-28	604429.78	462192.60	48.76	48.02	65.00	16.30	1/24/06	3/1/06	41.8	29.8	17.8
43-62				47.82				3/1/06	7.4	-5.1	-17.6

See Page 4 for Notes

TABLE 4.1
SUMMARY OF WELL LOCATIONS AND INSTALLATION DEPTHS
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

WELL ID	EAST COORDINATES	NORTH COORDINATES	GROUND SURFACE ELEVATION	WELLHEAD ELEVATION	DEPTH OF BORING	BEDROCK SURFACE ELEVATION	DATE DRILLING COMPLETED	DATE DEVELOPED	SAMPLE ZONE ELEVATIONS [1]		
									TOP	CENTER	BOTTOM
MW-44-67	604516.43	462499.91	93.52	93.02	105.00	62.52	3/10/06	3/15/06	43.5	34.5	25.5
44-102				93.09				3/15/06	18.0	4.0	-10.0
MW-45-42	604471.96	462385.52	53.66	53.20	65.00	38.66	3/22/06	3/29/06	28.3	19.3	10.3
45-61				53.10				3/29/06	2.9	-4.4	-11.6
MW-46	604328.72	462431.26	18.08	16.97	31.50	18.08	2/14/06	2/22/06	0.0	7.6	0.0
MW-47-56	604651.13	462664.08	70.32	69.81	80.00	57.32	3/3/06	2/24/06	39.4	25.9	12.4
47-80				69.74				3/14/06	1.8	-4.2	-10.2
MW-48-23	603473.78	462015.66	15.39	14.76	40.00	-9.60	1/27/06	2/2/06	9.1	-0.4	-9.9
48-37				15.07					-16.4	-20.4	-24.4
MW-49-26	604445.56	463080.21	14.58	14.17	65.00	-8.42	3/16/06	3/17/06	0.4	-5.6	-11.6
49-42	604446.12	463078.45	14.63	14.22				3/20/06	-16.5	-23.5	-30.5
49-65				14.46				3/20/06	-41.0	-46.0	-51.0
MW-50-42	604494.30	463039.18	14.92	14.45	67.00	-7.78	3/13/06	3/13/06	-6.5	-17.5	-28.5
50-66				14.61					-44.1	-47.6	-51.1
MW-51-40	604275.34	461822.43	69.64	67.72	200.00	53.64	3/28/06	3/27/06	38.0	28.0	23.5
51-79									4.5	-11.0	-13.5
51-102[2]									-33.5	-34.5	-43.5
51-104									-33.5	-36.0	-43.5
51-135									-62.5	-67.5	-76.0
51-163									-87.0	-95.0	-98.5
51-189									-116.5	-121.5	-130.0
MW-52-11	604733.05	463253.94	16.77	16.28	12.00	NA[3]	3/21/06	3/21/06	15.3	9.8	4.3
52-18	604733.54	463254.34	16.77	16.37	200.00	3.77			16.3	-2.6	-13.7
52-48									-31.7	-33.1	-39.7
52-64									-42.7	-49.1	-55.2
52-118[2]									-94.2	-102.6	-107.2
52-122									-94.2	-107.1	-107.2
52-162									-138.2	-146.6	-147.7
52-181									-154.7	-166.1	-181.7
MW-53-82	604732.60	462822.15	70.26	69.93	125.00	40.26	6/29/06	6/30/06	10.1	-2.4	-14.9
53-120				70.06					-26.5	-39.5	-52.5
MW-54-35[2]	604554.25	462935.57	14.99	13.09	206.00	-1.81	8/30/06	9/7/06	-15.9	-21.9	-28.9
54-37									-15.9	-23.4	-28.9
54-58									-38.4	-44.4	-50.9
54-123									-102.9	-109.9	-112.9
54-144									-121.9	-130.9	-142.4
54-173									-157.4	-159.4	-168.9
54-190									-171.9	-176.9	-190.4
MW-55-24	604635.96	462996.42	18.25	17.77	77.50	8.75	8/11/06	8/14/06	5.7	-0.8	-7.3
55-35				17.77					-10.2	-14.2	-18.2
55-54				17.77					-24.3	-30.8	-37.3
MW-56-53	604658.09	462708.49	70.26	69.32	88.50	41.26	8/29/06	8/30/06	22.3	17.8	13.3
56-83				69.21					4.0	-5.5	-15.0

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TABLE 4.1
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INDIAN POINT ENERGY CENTER
BUCHANAN, NY

WELL ID	EAST COORDINATES	NORTH COORDINATES	GROUND SURFACE ELEVATION	WELLHEAD ELEVATION	DEPTH OF BORING	BEDROCK SURFACE ELEVATION	DATE DRILLING COMPLETED	DATE DEVELOPED	SAMPLE ZONE ELEVATIONS [1]		
									TOP	CENTER	BOTTOM
MW-57-11	604562.36	462888.55	14.98	14.73	47.00	9.48	7/12/06	7/13/06	11.6	7.1	2.6
57-20				14.75					0.1	-2.9	-5.9
57-45				14.81					-13.8	-22.5	-31.3
MW-58-26	604400.31	462864.26	14.57	14.23	72.00	-0.43	7/12/06	7/13/06	0.0	-7.0	-14.0
58-65				14.14					-33.5	-43.0	-52.5
MW-59-32	604330.15	462912.91	14.52	14.41	77.00	1.52	9/8/06	10/3/06	-5.2	-11.7	-18.2
59-45				13.90					-19.4	-25.9	-32.4
59-68				14.23					-37.1	-46.1	-55.1
MW-60-35	604585.60	463381.26	14.31	12.48	200.00	5.81	10/23/06	10/24/06	-12.4	-22.4	-26.9
60-53									-32.9	-40.9	-46.9
60-55[2]									-32.9	-42.4	-46.9
60-72									-53.9	-59.9	-66.4
60-135									-112.4	-122.4	-128.9
60-154									-134.9	-141.9	-152.4
60-176									-158.4	-163.4	-187.9
MW-62-18			14.69	12.81	38.30	NA	8/17/06	10/5/06	6.7	-1.8	-10.3
62-37									-30.3	-33.5	-36.6
62-52[2]	604350.80	463086.79	14.69	12.82	201.00	-22.31			-36.8	-38.8	-41.3
62-53									-36.8	-40.3	-41.3
62-71									-48.3	-58.3	-69.8
62-92									-75.8	-78.8	-86.3
62-138									-113.3	-125.3	-130.8
62-181[2]									-164.8	-167.8	-185.8
62-182									-164.8	-169.3	-185.8
MW-63-18	604252.14	462968.86	14.18	13.06	35.00	NA	8/17/06	9/22/06	7.1	0.6	-5.9
63-34									-27.1	-30.6	-34.1
63-50	604251.28	462970.42	14.18	12.32	201.00	-17.82			-29.2	-37.2	-45.7
63-91[2]									-69.2	-78.2	-88.2
63-93									-69.2	-80.7	-88.2
63-112									-94.2	-99.2	-99.7
63-121									-105.7	-108.7	-115.2
63-163									-138.2	-150.2	-152.7
63-174									-155.7	-161.7	-178.7
MW-65-48	604851.98	462489.68	69.72	68.86	83.00	34.72	8/21/06	8/23/06	33.9	26.4	18.9
65-80									10.8	-1.7	-14.2
MW-66-21	604408.77	463146.34	14.12	13.41	37.00	-23.48	11/17/06	12/5/06	8.0	0.0	-8.0
66-36									-16.0	-19.5	-23.0
MW-67-39	604426.67	463127.06	14.36	12.51	349.25	-18.64	6/5/07	6/8/07	-15.8	-25.8	-41.3
67-105									-77.3	-92.3	-97.8
67-173									-151.8	-159.8	-175.3
67-219									-196.3	-206.3	-216.8
67-276									-237.8	-262.8	-268.3
67-323									-304.8	-309.8	-317.8
67-340									-322.3	-327.3	-334.8

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TABLE 4.1
SUMMARY OF WELL LOCATIONS AND INSTALLATION DEPTHS
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

WELL ID	EAST COORDINATES	NORTH COORDINATES	GROUND SURFACE ELEVATION	WELLHEAD ELEVATION	DEPTH OF BORING	BEDROCK SURFACE ELEVATION	DATE DRILLING COMPLETED	DATE DEVELOPED	SAMPLE ZONE ELEVATIONS [1]		
									TOP	CENTER	BOTTOM
MW-101	Not surveyed		133.86	133.86	15.00	NA	2/7/00	2/7/00	129.9	124.4	118.9
MW-103	Not surveyed		143.44	146.74	26.30	7.00	2/9/00	2/9/00	133.1	125.1	117.1
MW-104	Not surveyed		140.50	140.50	30.00	136.00	2/10/00	2/10/00	131.5	121.0	110.5
MW-105	Not surveyed		135.73	138.51	20.00	NA	2/10/00	2/10/00	131.7	123.7	115.7
MW-107	605014.18	461922.70	140.06	142.76	35.00	NA	2/15/00	2/15/00	126.1	115.6	105.1
MW-108	604454.15	462819.57	14.48	14.23	11.67	NA	2/21/00	2/21/00	12.8	7.8	2.8
MW-109	604396.85	462860.95	14.55	14.25	11.91	NA	2/25/00	2/25/00	12.6	7.6	2.6
MW-110	Not surveyed		134.55	137.72	29.50	126.55	2/25/00	2/25/00	121.1	113.6	106.1
MW-111	604735.19	463023.59	18.93	18.38	16.92	0.90	2/24/00	2/24/00	7.0	4.2	1.5
MW-112	604888.09	461578.48	136.77	36.77	24.00	126.77	2/26/00	2/26/00	128.8	120.8	112.8
RW-1	604879.23	463006.67	77.50	75.82	138.50	51.30	7/28/06	8/1/06			
U3-1	604197.32	462762.55	13.50	13.50	19.00	NA	4/11/96	4/11/96	7.5	1.0	-5.5
U3-2	604262.35	462772.31	14.16	14.11	14.70	NA	Not available [4]		10.5	5.0	-0.5
U3-3	604293.07	462778.30	14.85	14.60	14.70	NA	4/9/96	4/9/96	11.1	5.6	0.1
U3-4D	604167.66	462723.77	14.82	14.52	34.00	-3.78	12/15/97	12/15/97	-10.2	-14.7	-19.2
U3-4S	604158.88	462711.07	14.65	13.94	17.35	-2.65	12/12/97	12/12/97	8.3	2.8	-2.7
U3-T1	604132.98	462555.03	3.27	8.51	1.20	NA	12/12/97	12/12/97	0.0	2.5	0.0
U3-T2	604240.59	462673.84	3.26	8.51	1.60	NA	12/12/97	12/12/97	0.0	2.5	0.0
I-2	605072.45	463218.16	80.92	82.23	40.00	NA	4/8/03	4/8/03	53.8	48.0	42.2
U1-CSS	604631.14	462827.29	15.09	20.07	Not avaialbe [5]						

NOTES:
well screen in unconsolidated deposit {soil backfill/natural soil}
well screen in consolicated {bedrock}

1. Elevations of sampling ports in waterloo systems or sand packed zone in wells. Low flow sampling locations are given for open rock holes when available.
2. Redundant sampling ports within single sampling zones.
3. Rock surface not encountered.
4. U3-2 is a legacy well installed by Foster Wheeler Env Co. No dates for installation provided.
5. No construction details of U1-CSS were provided to GZA.

TABLE 4.2
WELL NOMENCLATURE
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

ORIGINAL NOMENCLATURE	NEW DESIGNATION
MW-30-74	MW-30-69
MW-30-75	MW-30-71
MW-30-87	MW-30-82
MW-30-88	MW-30-84
MW-31-53	MW-31-49
MW-31-67	MW-31-63
MW-31-89	MW-31-85
MW-36-26	MW-36-24
MW-36-41	MW-36-40
MW-36-53	MW-36-52
MW-37-22	MW-37-22
MW-37-32	MW-37-32
MW-37-40	MW-37-40
MW-37-57	MW-37-57
MW-39-69	MW-39-67
MW-39-85	MW-39-84
MW-39-102	MW-39-100
MW-39-103	MW-39-102
MW-39-126	MW-39-124
MW-39-184	MW-39-183
MW-39-197	MW-39-195
MW-40-26	MW-40-24
MW-40-28	MW-40-27
MW-40-48	MW-40-46
MW-40-82	MW-40-81
MW-40-102	MW-40-100
MW-40-129	MW-40-127
MW-40-163	MW-40-162
MW-41-15	MW-41-13
MW-41-42	MW-41-40
MW-41-64	MW-41-63
MW-42-51	MW-42-49
MW-42-79	MW-42-78
MW-43-28	MW-43-28
MW-43-62	MW-43-62
MW-44-67	MW-44-67
MW-44-104	MW-44-102
MW-45-43	MW-45-42
MW-45-62	MW-45-61

TABLE 4.2
WELL NOMENCLATURE
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

ORIGINAL NOMENCLATURE	NEW DESIGNATION
MW-47-56	MW-47-56
MW-47-80	MW-47-80
MW-48-23	MW-48-23
MW-48-38	MW-48-37
MW-49-25	MW-49-26
MW-49-42	MW-49-42
MW-49-65	MW-49-65
MW-50-42	MW-50-42
MW-50-67	MW-50-66
MW-51-42	MW-51-40
MW-51-81	MW-51-79
MW-51-104	MW-51-102
MW-51-106	MW-51-104
MW-51-137	MW-51-135
MW-51-165	MW-51-163
MW-51-191	MW-51-189
MW-51-42	MW-51-40
MW-51-81	MW-51-79
MW-51-104	MW-51-102
MW-51-106	MW-51-104
MW-51-137	MW-51-135
MW-51-165	MW-51-163
MW-51-191	MW-51-189
MW-52-12	MW-52-11
MW-52-19	MW-52-18
MW-52-50	MW-52-48
MW-52-66	MW-52-64
MW-52-119	MW-52-118
MW-52-124	MW-52-122
MW-52-163	MW-52-162
MW-52-183	MW-52-181
MW-53-80	MW-53-82
MW-53-120	MW-53-120
MW-54-37	MW-54-35
MW-54-38	MW-54-37
MW-54-59	MW-54-58
MW-54-125	MW-54-123
MW-54-146	MW-54-144
MW-54-174	MW-54-173
MW-54-192	MW-54-190

TABLE 4.2
WELL NOMENCLATURE
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

ORIGINAL NOMENCLATURE	NEW DESIGNATION
MW-55-24	MW-55-24
MW-55-35	MW-55-35
MW-55-54	MW-55-54
MW-56-54	MW-56-53
MW-56-85	MW-56-83
MW-57-11	MW-57-11
MW-57-20	MW-57-20
MW-57-45	MW-57-45
MW-58-26	MW-58-26
MW-58-65	MW-58-65
MW-59-31	MW-59-32
MW-59-45	MW-59-45
MW-59-68	MW-59-68
MW-60-37	MW-60-35
MW-60-55	MW-60-53
MW-60-57	MW-60-55
MW-60-74	MW-60-72
MW-60-137	MW-60-135
MW-60-156	MW-60-154
MW-60-178	MW-60-176
MW-62-15	MW-62-18
MW-62-38	MW-62-37
MW-62-54	MW-62-52
MW-62-55	MW-62-53
MW-62-73	MW-62-71
MW-62-94	MW-62-92
MW-62-140	MW-62-138
MW-62-182	MW-62-181
MW-62-184	MW-62-182
MW-63-19	MW-63-18
MW-63-35	MW-63-34
MW-63-51	MW-63-50
MW-63-92	MW-63-91
MW-63-95	MW-63-93
MW-63-113	MW-63-112
MW-63-123	MW-63-121
MW-63-164	MW-63-163
MW-63-176	MW-63-174

NOTES: Names of multi-level wells have been changed to relay approximate (within 1/2 ft) depth to bottom from top of well casing
Names of waterloo sampling intervals have been changed to relay approximate (within 1/2 ft) depth to top of sampling port from top of well casing.
Names of single interval wells have not been changed.

TABLE 4.3
WELL HEAD ELEVATION CHANGES
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

WELL ID	MONTH SURVEYED	TOC EL. ft	GS EL. ft	Distance from GS to TOC, ft		ALTERATIONS (DATE)
				surveyed	measured	
MW-30	NS [1]		51.7 [2]			
	Nov 2006	78.470	72.690	5.780	NM [3]	
	Feb 2007	78.057	NS	NS	NM	casing cut (Jan 31, 2007)
	Mar 2007	75.660	NS	NS	NM	2.39' casing cut (Feb 15, 2007)
MW-31	Dec 2005	79.593	NS	NS	NM	
	May 2007	75.641	77.447	-1.806	NM	casing cut for well vault installation (Sept 12, 2006)
MW-32	Dec 2005	78.339	78.939	-0.600	-0.6	
	May 2007	77.126	78.898	-1.772	NM	casing cut for well vault installation (Sept 13, 2006)
MW-33	Dec 2005	18.619	18.879 [4]	-0.260	-0.26	
MW-34	Dec 2005	18.071	18.481 [4]	-0.410	-0.41	
MW-35	Dec 2005	18.444	18.604 [4]	-0.160	-0.16	
MW-36-24	Mar 2006	11.393	NS	NS	-0.33	
	May 2007	11.598	11.799	-0.201	NM	pvc coupling attached for pneumatic slug testing (May 9, 2007)
MW-36-35	Mar 2006	11.604	NS	NS	NM	
	May 2007	11.754	11.799	-0.045	-0.19	pvc coupling attached for pneumatic slug testing (Jan 3, 2007)
MW-36-52	Mar 2006	11.492	NS	NS	NM	
	May 2007	11.670	11.799	-0.129	-0.06	pvc coupling attached for pneumatic slug testing (Jan 3, 2007)
MW-37-22	Mar 2006	14.784	14.964	NS	-0.18	
	May 2007	14.852	15.021	-0.169	NM	
MW-37-32	Mar 2006	14.725	NS	NS	NM	
	May 2007	14.791	15.021	-0.230	-0.24	pvc coupling attached for pneumatic slug testing (Jan 3, 2007)
MW-37-40	Mar 2006	14.790	NS	NS	NM	
	May 2007	14.962	15.021	-0.059	-0.06	pvc coupling attached for pneumatic slug testing (Jan 3, 2007)
	June 2007	14.852	15.021	-0.169	NM	pvc coupling removed (June 12, 2007)

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TABLE 4.3
WELL HEAD ELEVATION CHANGES
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

WELL ID	MONTH SURVEYED	TOC EL. ft	GS EL. ft	Distance from GS to TOC, ft		ALTERATIONS (DATE)
				surveyed	measured	
MW-37-57	Mar 2006	14.723	NS	NS	NM	
	May 2007	14.788	15.021	-0.233	-0.25	pvc coupling attached for pneumatic slug testing (Jan 3, 2007)
MW-38	Dec 2005	13.990	14.350	NS	-0.36	
	May 2007	13.999	14.342	-0.343	NM	
MW-39	Mar 2006	81.452	81.864	-0.412	NM	
	Jan 2007	79.992	81.827	-1.835	NM	casing cut for well vault installation (Sept 19, 2006)
MW-40	Mar 2006	74.758	74.987	-0.229	NM	
	Jan 2007	73.164	74.948	-1.784	-1.83	casing cut for well vault installation (Nov 8, 2006)
MW-41-13	Apr 2006	NS	54.870	NS	NM	
MW-41-40	Apr 2006	54.130	54.870	-0.740	NM	
MW-41-63	Apr 2006	54.130	54.870	-0.740	NM	
MW-42-49	Apr 2006	69.419	69.714	-0.295	-0.22	
MW-42-78	Apr 2006	69.524	69.714	-0.190	-0.19	
MW-43-28	Mar 2006	48.021	48.761	-0.740	NM	
MW-43-62	Mar 2006	47.821	48.761	-0.940	NM	
MW-44-67	Apr 2006	93.020	93.520	-0.500	NM	
MW-44-102	Apr 2006	92.960	93.520	-0.560	NM	
	NS	93.090	93.520	-0.430	-0.43	pvc coupling attached for pneumatic slug testing (May 7, 2007)
MW-45-42	Apr 2006	53.196	53.662	-0.466	-0.46	
MW-45-61	Apr 2006	53.097	53.662	-0.565	NM	
	NS	53.217	53.662	-0.445	-0.445	pvc coupling attached for pneumatic slug testing (May 7, 2007)
MW-46	Apr 2006	16.970	18.080	-1.110	-1.1	
MW-47-56	Apr 2006	69.805	70.321	-0.516	-0.5	
MW-47-80	Apr 2006	69.742	70.321	-0.579	-0.57	

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TABLE 4.3
WELL HEAD ELEVATION CHANGES
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

WELL ID	MONTH SURVEYED	TOC EL. ft	GS EL. ft	Distance from GS to TOC, ft		ALTERATIONS (DATE)
				surveyed	measured	
MW-48-23	Mar 2006	14.762	15.394	-0.632	-0.63	
	May 2007	14.759	15.387	-0.628	NM	
MW-48-37	Mar 2006	14.765	15.394 [5]	-0.629	-0.33	
	May 2007	15.069	15.387	-0.318	NM	
	NS	15.189	15.387	-0.198	-0.198	pvc coupling attached for pneumatic slug testing (May 25, 2007)
MW-49-26	Apr 2006	14.191	14.655	-0.464	-0.42	
	May 2007	14.171	14.582	-0.411	NM	
MW-49-42	Apr 2006	14.133	14.655	-0.522	-0.54	
	May 2007	14.223	14.628	-0.405	NM	pvc coupling attached for pneumatic slug testing (May 9, 2007)
MW-49-65	Apr 2006	14.372	14.655	-0.283	-0.26	
	May 2007	14.457	14.628	-0.171	-0.17	pvc coupling attached for pneumatic slug testing (May 4, 2007)
MW-50-42	Apr 2006	14.432	14.923	-0.491	-0.59	
	May 2007	14.453	14.923	NS	-0.47	pvc coupling attached for pneumatic slug testing (May 7, 2007)
MW-50-66	Apr 2006	14.614	14.923	-0.309	-0.32	
MW-51	Apr 2006	69.340	69.620	-0.280	NM	
	Jan 2007	67.723	69.639	-1.916	-1.83	casing cut for well vault installation (Nov 9, 2006)
MW-52	Apr 2006	16.370	16.766	-0.396	NM	
	NS	14.916	16.766	NS	-1.85	casing cut for well vault installation (Oct 17, 2006)
MW-52-11	Apr 2006	16.283	16.766	-0.483	-1.8	
MW-53-82	Nov 2006	69.930	70.260	-0.330	-0.32	
MW-53-120	Nov 2006	70.060	70.260	-0.200	NM	
	NS	70.190	70.260	NS	-0.13	pvc coupling attached for pneumatic slug testing (Dec 28, 2006)
MW-54	Nov 2006	14.760	14.990	-0.230	NM	
	NS	13.090	14.990	NS	-1.9	casing cut

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TABLE 4.3
WELL HEAD ELEVATION CHANGES
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

WELL ID	MONTH SURVEYED	TOC EL. ft	GS EL. ft	Distance from GS to TOC, ft		ALTERATIONS (DATE)
				surveyed	measured	
MW-55-24	Nov 2006	17.670	18.250	-0.580	NM	ground surface measurements taken from top of manhole
	NS	17.770	18.250	NS	-0.48	pvc coupling attached for pneumatic slug testing (Dec 27, 2006)
MW-55-35	Nov 2006	17.670	18.250	-0.580	NM	ground surface measurements taken from top of manhole
	NS	17.770	18.250	NS	-0.48	pvc coupling attached for pneumatic slug testing (Dec 27, 2006)
MW-55-54	Nov 2006	17.680	18.250	-0.570	NM	ground surface measurements taken from top of manhole
	NS	17.770	18.250	NS	-0.48	pvc coupling attached for pneumatic slug testing (Dec 27, 2006)
MW-56	Nov 2006	68.560	70.260	-1.700	-1.76	elevation for 4" well casing prior to pvc riser installation
MW-56-53	Jan 2007	69.322	70.258	-0.936	-0.97	
MW-56-83	Jan 2007	69.207	70.258	-1.051	-1.09	
MW-57-11	Nov 2006	14.630	14.980	-0.350	NM	
	NS	14.730	14.980	NS	-0.25	pvc coupling attached for pneumatic slug testing (Dec 26, 2006)
MW-57-20	Nov 2006	14.610	14.980	-0.370	NM	
	NS	14.750	14.980	NS	-0.23	pvc coupling attached for pneumatic slug testing (Dec 26, 2006)
MW-57-45	Nov 2006	14.640	14.980	-0.340	NM	
	NS	14.810	14.980	NS	-0.17	pvc coupling attached for pneumatic slug testing (Dec 26, 2006)
MW-58-26	Nov 2006	14.230	14.570	-0.340	-0.35	
MW-58-65	Nov 2006	14.140	14.570	-0.430	NM	
	NS	14.250	14.570	NS	-0.32	pvc coupling attached for pneumatic slug testing (Jan 2, 2007)
MW-59-32	Nov 2006	14.310	14.520	-0.210	NM	
	NS	14.410	14.520	NS	-0.11	pvc coupling attached for pneumatic slug testing (Dec 26, 2006)
MW-59-45	Nov 2006	13.930	14.520	-0.590	NM	
	NS	13.900	14.520	NS	-0.62	pvc coupling attached for pneumatic slug testing (Dec 26, 2006)
MW-59-68	Nov 2006	14.150	14.520	-0.370	NM	
	NS	14.230	14.520	NS	-0.29	pvc coupling attached for pneumatic slug testing (Dec 26, 2006)
MW-60	Nov 2006	12.480	14.310	-1.830	-1.85	

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TABLE 4.3
WELL HEAD ELEVATION CHANGES
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

WELL ID	MONTH SURVEYED	TOC EL. ft	GS EL. ft	Distance from GS to TOC, ft		ALTERATIONS (DATE)
				surveyed	measured	
MW-62	Nov 2006	12.820	14.690	-1.870	-1.86	
MW-62-18	NS	12.810	14.690	NS	-1.88	
MW-62-37	NS	12.810	14.690	NS	-1.88	
MW-63	Jan 2007	12.315	14.178	-1.863	-1.85	
MW-63-18	Jan 2007	13.059	14.178	-1.119	-1.16	
MW-63-34	Jan 2007	13.059	14.178	-1.119	-1.16	
MW-65	Nov 2006	69.720	70.260	-0.540	NM	elevation for 4" well casing prior to pvc riser installation
MW-65-48	Jan 2007	68.856	69.723	-0.867	-0.93	
MW-65-80	Jan 2007	68.841	69.723	-0.882	NM	pvc coupling attached for pneumatic slug testing (Dec 28, 2007)
MW-66	Jan 2007	12.155	14.021	-1.866	NM	
MW-66-21	Sept 2007	13.407	14.122	-0.715	NM	
MW-66-36	Sept 2007	13.364	14.122	-0.758	NM	
MW-67	Sept 2007	12.511	14.356	-1.845	NM	
MW-107	Dec 2005	142.757	140.061	2.696	NM	
MW-108	Dec 2005	14.230	NS	NS	-0.25	
MW-109	Dec 2005	14.254	NS	NS	-0.3	
MW-111	Dec 2005	19.385	NS	NS	NM	casing cut approx 1 ft (Mar 20, 2006)
	Nov 2006	18.380	18.930	-0.550	-0.59	casing cut and new manhole installed (Nov 2006)
MW-112	Dec 2005	36.773	NS	NS	NM	
U3-1 [6]	Dec 2005	13.495	NS	NS	NM	
U3-2	Dec 2005	14.114	14.164	NS	-0.05	
U3-3	Dec 2005	14.599	14.849	NS	-0.25	
U3-4D	Dec 2005	14.519	14.819	NS	-0.3	
U3-4S	Dec 2005	13.943	14.653	NS	-0.71	
U3-T1	Mar 2006	8.518	3.267	5.251	5.15	

TABLE 4.3
WELL HEAD ELEVATION CHANGES
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

WELL ID	MONTH SURVEYED	TOC EL. ft	GS EL. ft	Distance from GS to TOC, ft		ALTERATIONS (DATE)
				surveyed	measured	
U3-T2	Mar 2006	8.512	3.259	5.253	5.15	
I-2	Nov 2006	82.230	80.920	1.310	NM	
HR-1	Apr 2006	18.517	NS	NS	NM	
	May 2007	18.496	14.994	3.502	NM	
OUT-1	Apr 2006	11.910	NS	NS	NM	
	Jan 2007	11.901	8.188	3.713	3.65	
	May 2007	11.891	8.204	3.687	NM	
U3-C1	Jan 2007	18.069	14.981	3.088	NM	
	May 2007	18.060	15.003	3.057	NM	
U2-C1	Apr 2006	15.054	12.054	3.000	3.0	
	May 2007	15.054	12.031	3.023	NM	
RW-1	Nov 2006	81.280	72.690	8.590	NM	
	Feb 2007	76.518	72.738	NS	3.78	casing cut 4.3' (Jan 31, 2007)
	Mar 2007	75.822	NS	NS	NM	casing cut 0.69' (Feb 15, 2007)
U1-CSS	May 2007	20.073	15.088	4.985	5.0	
MH-3	Mar 2006	14.847	NA	NA	NA	
MH-4	Mar 2006	16.949	NA	NA	NA	
MH-4A	Mar 2006	12.707	NA	NA	NA	
MH-5	Nov 2006	18.540	NA	NA	NA	

NOTES: All elevations are above NGVD29.

1. NS: Not Surveyed
2. From Con. Ed. Co. DWG A200002, "Details of excavation"
3. NM: Not Measured
4. Ground surface measurements taken from top of manhole
5. Surveyor error
6. Road box in a sinkhole. Ground surface location is unclear.

TABLE 4.4
HYDRAULIC CONDUCTIVITY SUMMARY
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

WELL ID	TEST ZONE [1] EL., ft		K [2] ft/d	T [3] ft^2/d	TEST METHOD	METHOD OF ANALYSIS
MW-30	10	5	1.8	8.5	Packered rising slug	Hvorslev[4]
	7	2	1.0	4.8	Packered rising slug	Hvorslev
	3	-1	0.0048	0.02	Packered rising slug	Hvorslev
	-1	-10	0.00071	0.0	Packered rising slug	Hvorslev
MW-31	45	36	0.17	1.4	Packered rising slug	Hvorslev
	37	28	29	250.0	Packered extraction	Unconfined Theis[5]
	29	20	1.7	14.6	Packered rising slug	Hvorslev
	21	12	0.50	4.3	Packered rising slug	Hvorslev
	14	5	0.31	2.7	Packered rising slug	Hvorslev
	6	-3	0.34	2.9	Packered rising slug	Hvorslev
	0	-11	0.20	2.1	Packered rising slug	Hvorslev
MW-32	8	-2	0.016	0.2	Packered rising slug	Hvorslev
	-2	-12	0.31	3.1	Packered rising slug	Hvorslev
	-39	-49	0.30	3.0	Packered rising slug	Hvorslev
	-53	-63	1.0	9.6	Packered rising slug	Hvorslev
	-70	-80	0.41	4.1	Packered rising slug	Hvorslev
	-92	-102	1.1	10.5	Packered rising slug	Hvorslev
	-97	-107	0.15	1.5	Packered rising slug	Hvorslev
	-107	-117	0.36	3.6	Packered rising slug	Hvorslev
MW-33	9	-11	0.55	11.3	Rising slug	Hvorslev
MW-34	9	-12	0.45	9.5	Rising slug	Hvorslev
MW-35	12	-12	0.47	11.0	Rising slug	Hvorslev
MW-36-41	-20	-30	0.24	2.4	Rising slug	Hvorslev
			0.10	1.0	Pneumatic slug	Hvorslev
36-52	-34	-41	0.12	0.8	Rising slug	Hvorslev
			0.095	0.7	Pneumatic slug	Hvorslev
MW-37-32	-12	-18	26	141.7	Rising slug	Hvorslev
37-40	-23	-25	0.0047	0.0	Pneumatic slug	Hvorslev
37-57	-35	-42	2.5	17.4	Rising slug	Hvorslev
			1.1	7.7	Pneumatic slug	Hvorslev
MW-38	12	-25	22	811.0	Specific capacity	Walton[6]
MW-39	23	13	12	122.0	Packered extraction	Unconfined Theis
	12	2	0.6	5.7	Packered rising slug	Hvorslev
	2	-8	1.5	15.0	Packered rising slug	Hvorslev
			2.5	25.0	Packered extraction	Unconfined Theis
	-7	-17	0.51	5.1	Packered rising slug	Hvorslev
	-18	-28	13	128.0	Packered extraction	Unconfined Theis
	-37	-47	2.3	23.0	Packered rising slug	Hvorslev
			2.3	23.0	Packered extraction	Unconfined Theis
	-47	-57	0.016	0.2	Packered rising slug	Hvorslev
	-57	-67	0.067	0.7	Packered rising slug	Hvorslev
	-70	-80	0.019	0.2	Packered rising slug	Hvorslev
	-83	-93	0.0045	0.0	Packered rising slug	Hvorslev
	-93	-103	0.58	5.8	Packered rising slug	Hvorslev
	-103	-113	0.69	6.9	Packered rising slug	Hvorslev

TABLE 4.4
HYDRAULIC CONDUCTIVITY SUMMARY
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

WELL ID	TEST ZONE [1] EL., ft		K [2] ft/d	T [3] ft^2/d	TEST METHOD	METHOD OF ANALYSIS
MW-40	57	47	7.4	74.0	Packered extraction	Unconfined Theis
	47	37	1.1	10.7	Packered rising slug	Hvorslev
	41	31	0.64	6.4	Packered rising slug	Hvorslev
	31	21	0.10	1.0	Packered rising slug	Hvorslev
	23	13	0.088	0.9	Packered rising slug	Hvorslev
	12	2	0.14	1.4	Packered rising slug	Hvorslev
	-5	-15	0.20	2.0	Packered rising slug	Hvorslev
	-20	-30	0.27	2.7	Packered rising slug	Hvorslev
	-52	-62	0.23	2.3	Packered rising slug	Hvorslev
	-71	-81	0.31	3.1	Packered rising slug	Hvorslev
	-85	-95	0.092	0.9	Packered rising slug	Hvorslev
	-103	-113	0.035	0.4	Packered rising slug	Hvorslev
MW-41-40	35	11	0.036	0.9	Rising slug	Hvorslev
41-63	0	-10	22	219.0	Rising slug	Hvorslev
MW-42-49	43	20	0.57	13.0	Extraction	Unconfined Theis
			0.52	12.0	Rising slug	Hvorslev
42-78	2	-10	2.0	23.6	Rising slug	Hvorslev
MW-43-28	42	18	0.45	10.8	Rising slug	Hvorslev
43-62	7	-18	0.16	4.0	Extraction	Unconfined Theis
			0.031	0.8	Rising slug	Hvorslev
MW-44-67	58	25	1.0	10.0	Specific capacity	Walton
44-102	18	-10	0.092	2.6	Pneumatic slug	Hvorslev
MW-45-42	28	10	0.0050	0.1	Extraction	Unconfined Theis
45-61	3	-12	0.20	2.9	Pneumatic slug	Hvorslev
MW-46	12.8	-12.9	0.10	2.6	Rising slug	Hvorslev
MW-47-80	2	-10	1.4	16.4	Rising slug	Hvorslev
MW-48-23	9	-10	4.1	77.0	Specific capacity	Walton
48-37	-16	-24	2.5	20.0	Pneumatic slug	Hvorslev
MW-49-42	-16	-30	6.2	86.8	Pneumatic slug	Hvorslev
49-65	-41	-51	6.2	62.0	Pneumatic slug	Hvorslev
MW-50-42	-6	-28	3.2	70.4	Pneumatic slug	Hvorslev
50-66	-44	-51	0.14	1.0	Specific capacity	Walton
			0.24	1.7	Rising slug	Hvorslev

TABLE 4.4
HYDRAULIC CONDUCTIVITY SUMMARY
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

WELL ID	TEST ZONE [1] EL., ft		K [2] ft/d	T [3] ft^2/d	TEST METHOD	METHOD OF ANALYSIS
MW-51	42	-127	0.059	10.0	Specific capacity	Walton
	31	40	0.17	1.6	Packered rising slug	Hvorslev
	20	30	0.39	3.8	Packered rising slug	Hvorslev
	10	19	0.066	0.6	Packered rising slug	Hvorslev
	-5	4	0.073	0.7	Packered rising slug	Hvorslev
	-18	-8	0.075	0.7	Packered rising slug	Hvorslev
	-29	-19	0.22	2.1	Packered rising slug	Hvorslev
	-40	-31	0.16	1.5	Packered rising slug	Hvorslev
	-50	-40	0.38	3.7	Packered rising slug	Hvorslev
	-61	-51	0.036	0.4	Packered rising slug	Hvorslev
	-72	-62	0.082	0.8	Packered rising slug	Hvorslev
	-84	-74	0.052	0.5	Packered rising slug	Hvorslev
	-94	-85	0.075	0.7	Packered rising slug	Hvorslev
	-98	-88	0.15	1.5	Packered rising slug	Hvorslev
	-114	-104	0.14	1.3	Packered rising slug	Hvorslev
	-125	-115	0.19	1.8	Packered rising slug	Hvorslev
MW-52	6	-183	0.011	2.0	Specific capacity	Walton
	4	-5	0.40	3.9	Packered rising slug	Hvorslev
	-2	-11	0.00069	0.0	Packered rising slug	Hvorslev
	-11	-21	0.0010	0.0	Packered rising slug	Hvorslev
	-22	-32	0.0013	0.0	Packered rising slug	Hvorslev
	-33	-43	0.10	1.0	Packered rising slug	Hvorslev
	-43	-53	0.0021	0.0	Packered rising slug	Hvorslev
	-52	-62	0.0018	0.0	Packered rising slug	Hvorslev
	-60	-69	0.025	0.2	Packered rising slug	Hvorslev
	-72	-82	0.15	1.5	Packered rising slug	Hvorslev
	-84	-93	0.16	1.6	Packered rising slug	Hvorslev
	-99	-108	0.13	1.3	Packered rising slug	Hvorslev
	-116	-126	0.084	0.8	Packered rising slug	Hvorslev
	-127	-136	0.13	1.3	Packered rising slug	Hvorslev
	-142	-151	0.14	1.4	Packered rising slug	Hvorslev
	-152	-161	0.064	0.6	Packered rising slug	Hvorslev
	-163	-172	0.031	0.3	Packered rising slug	Hvorslev
MW-53-82	10	-15	0.76	19.0	Extraction	Unconfined Theis
53-120	-30	-50	0.15	3.0	Pneumatic slug	Hvorslev

TABLE 4.4
HYDRAULIC CONDUCTIVITY SUMMARY
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

WELL ID	TEST ZONE [1] EL., ft		K [2] ft/d	T [3] ft^2/d	TEST METHOD	METHOD OF ANALYSIS
MW-54	-172	-191	1.5	28.1	Packered rising slug	Hvorslev
	-167	-191	1.0	24.0	Packered extraction	Unconfined Theis
	-157	-167	2.5	24.3	Packered rising slug	Hvorslev
			3.1	30.0	Packered extraction	Unconfined Theis
	-142	-152	1.1	10.3	Packered rising slug	Hvorslev
	-131	-141	1.9	18.5	Packered rising slug	Hvorslev
			1.6	16.0	Packered extraction	Unconfined Theis
	-122	-131	2.8	26.3	Packered rising slug	Hvorslev
			1.9	18.0	Packered extraction	Unconfined Theis
	-105	-115	2.5	23.8	Packered rising slug	Hvorslev
			1.3	13.0	Packered extraction	Unconfined Theis
	-96	-105	0.6	5.8	Packered rising slug	Hvorslev
	-86	-96	0.45	4.3	Packered rising slug	Hvorslev
	-69	-78	0.30	2.9	Packered rising slug	Hvorslev
	-59	-69	0.17	1.7	Packered rising slug	Hvorslev
	-49	-59	0.28	2.7	Packered rising slug	Hvorslev
	-40	-49	0.40	3.9	Packered rising slug	Hvorslev
	-30	-40	0.69	6.7	Packered rising slug	Hvorslev
	-20	-30	0.69	6.7	Packered rising slug	Hvorslev
	-9	-19	0.47	4.6	Packered rising slug	Hvorslev
	-6	-9	0.22	0.8	Packered rising slug	Hvorslev
MW-55-24	5.72	-7.28	0.71	9.2	Pneumatic slug	Hvorslev
55-35	-10.18	-18.18	2.5	20.0	Pneumatic slug	Hvorslev
55-54	-24.33	-37.33	3.8	49.1	Pneumatic slug	Hvorslev
MW-56-83	3.987	-15.013	3.9	58.1	Pneumatic slug	Hvorslev
MW-57-11	10	2.6	0.38	2.7	Pneumatic slug	Hvorslev
57-20	0.13	-5.87	3.4	20.5	Pneumatic slug	Hvorslev
57-45	-13.77	-31.27	0.90	15.8	Pneumatic slug	Hvorslev
MW-58-26	0.02	-13.98	0.36	5.0	Extraction	Unconfined Theis
58-65	-33.54	-52.54	1.0	19.0	Pneumatic slug	Hvorslev
MW-59-32	-5.17	-18.17	5.9	77.2	Pneumatic slug	Hvorslev
59-45	-19.35	-32.35	1.9	24.3	Pneumatic slug	Hvorslev
59-68	-37.09	-55.09	0.2	4.2	Pneumatic slug	Hvorslev
MW-60	-174	-188	0.042	0.6	Packered rising slug	Hvorslev
	-158	-168	0.010	0.1	Packered rising slug	Hvorslev
	-147	-157	0.10	0.9	Packered rising slug	Hvorslev
	-137	-147	0.54	5.2	Packered rising slug	Hvorslev
	-121	-130	0.29	2.8	Packered rising slug	Hvorslev
	-101	-111	0.022	0.2	Packered rising slug	Hvorslev
	-85	-95	0.12	1.2	Packered rising slug	Hvorslev
	-74	-84	0.27	2.6	Packered rising slug	Hvorslev
	-55	-64	0.40	3.9	Packered rising slug	Hvorslev
	-36	-46	0.83	8.1	Packered rising slug	Hvorslev
	-20	-30	0.064	0.6	Packered rising slug	Hvorslev
	1	-15	0.00066	0.0	Packered rising slug	Hvorslev

See Page 7 for Notes

TABLE 4.4
HYDRAULIC CONDUCTIVITY SUMMARY
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

WELL ID	TEST ZONE [1] EL., ft		K [2] ft/d	T [3] ft^2/d	TEST METHOD	METHOD OF ANALYSIS
MW-62	-172	-186	0.37	5.2	Packered rising slug	Hvorslev
	-162	-172	0.72	7.0	Packered rising slug	Hvorslev
	-154	-163	0.34	3.3	Packered rising slug	Hvorslev
	-143	-153	0.042	0.4	Packered rising slug	Hvorslev
	-133	-142	0.091	0.9	Packered rising slug	Hvorslev
	-120	-130	0.24	2.3	Packered rising slug	Hvorslev
	-102	-112	0.22	2.2	Packered rising slug	Hvorslev
	-92	-102	0.076	0.7	Packered rising slug	Hvorslev
	-83	-92	0.060	0.6	Packered rising slug	Hvorslev
	-66	-76	0.050	0.5	Packered rising slug	Hvorslev
	-48	-58	0.0080	0.1	Packered rising slug	Hvorslev
	-37	-47	0.0072	0.1	Packered rising slug	Hvorslev
62-37	-30	-37	3.0	18.0	Pneumatic slug	Hvorslev
MW-63	-172	-187	1.4	21.5	Packered rising slug	Hvorslev
	-151	-161	0.39	3.8	Packered rising slug	Hvorslev
	-141	-151	0.46	4.5	Packered rising slug	Hvorslev
	-131	-141	0.044	0.4	Packered rising slug	Hvorslev
	-109	-119	0.30	2.9	Packered rising slug	Hvorslev
	-96	-106	1.0	9.7	Packered rising slug	Hvorslev
	-86	-96	0.090	0.9	Packered rising slug	Hvorslev
	-74	-84	1.1	10.7	Packered rising slug	Hvorslev
	-64	-74	1.9	17.9	Packered rising slug	Hvorslev
	-57	-67	0.43	4.2	Packered rising slug	Hvorslev
	-47	-56	0.29	2.8	Packered rising slug	Hvorslev
	-36	-46	0.87	8.4	Packered rising slug	Hvorslev
	-22	-36	0.80	11.2	Packered rising slug	Hvorslev
			6.9	96.0	Packered extraction	Unconfined Theis
63-34	-27	-34	48	336.0	Pneumatic slug	Hvorslev
MW-65-48	34	19	0.27	4.0	Extraction	Unconfined Theis
65-80	11	-14	0.39	9.8	Pneumatic slug	Hvorslev
MW-66	-168	-186	0.42	7.6	Packered rising slug	Hvorslev
	-158	-168	0.21	2.0	Packered rising slug	Hvorslev
	-148	-158	0.17	1.6	Packered rising slug	Hvorslev
	-138	-148	0.14	1.4	Packered rising slug	Hvorslev
	-128	-138	0.07	0.7	Packered rising slug	Hvorslev
	-117	-127	1.4	14.0	Packered extraction	Unconfined Theis
	-95	-105	1.5	14.3	Packered rising slug	Hvorslev
	-83	-93	0.050	0.5	Packered rising slug	Hvorslev
	-70	-80	0.18	1.7	Packered rising slug	Hvorslev
	-49	-59	0.040	0.4	Packered rising slug	Hvorslev
	-29	-39	0.090	0.9	Packered rising slug	Hvorslev
	-24	-38	6.5	90.9	Packered extraction	Unconfined Theis

See Page 7 for Notes

TABLE 4.4
HYDRAULIC CONDUCTIVITY SUMMARY
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

WELL ID	TEST ZONE [1] EL., ft		K [2] ft/d	T [3] ft^2/d	TEST METHOD	METHOD OF ANALYSIS
MW-67	-317	-335	1.1	20.0	Packered rising slug	Hvorslev
			1.3	24.6	Packered extraction recovery	Hvorslev
	-305	-335	1.0	28.9	Packered rising slug	Hvorslev
			0.77	23.2	Packered extraction recovery	Hvorslev
	-301	-316	0.74	11.0	Packered rising slug	Hvorslev
			0.66	9.8	Packered extraction recovery	Hvorslev
	-294	-309	0.25	3.7	Packered extraction recovery	Hvorslev
	-282	-297	0.87	12.9	Packered extraction recovery	Hvorslev
	-270	-285	0.41	6.1	Packered extraction recovery	Hvorslev
	-243	-258	3.4	49.6	Packered extraction recovery	Hvorslev
	-235	-250	2.1	31.1	Packered extraction recovery	Hvorslev
	-219	-234	0.45	6.7	Packered rising slug	Hvorslev
			0.45	6.7	Packered extraction recovery	Hvorslev
	-202	-217	0.91	13.5	Packered rising slug	Hvorslev
			1.0	14.5	Packered extraction recovery	Hvorslev
	-186	-201	0.29	4.3	Packered rising slug	Hvorslev
			0.29	4.3	Packered extraction recovery	Hvorslev
	-156	-171	0.16	2.3	Packered rising slug	Hvorslev
			0.15	2.2	Packered extraction recovery	Hvorslev
	-138	-153	0.14	2.0	Packered rising slug	Hvorslev
			0.12	1.8	Packered extraction recovery	Hvorslev
	-119	-133	0.16	2.4	Packered rising slug	Hvorslev
			0.53	7.8	Packered extraction recovery	Hvorslev
	-115	-130	0.22	3.3	Packered rising slug	Hvorslev
			0.21	3.1	Packered extraction recovery	Hvorslev
	-115	-130	0.34	5.0	Packered extraction recovery	Hvorslev
	-104	-119	0.20	3.0	Packered extraction recovery	Hvorslev
	-86	-100	0.82	12.1	Packered rising slug	Hvorslev
			1.0	14.2	Packered extraction recovery	Hvorslev
	-71	-86	0.27	4.0	Packered rising slug	Hvorslev
			0.27	4.0	Packered extraction recovery	Hvorslev
	-58	-72	0.049	0.7	Packered extraction recovery	Hvorslev
	-42	-56	0.022	0.3	Packered extraction recovery	Hvorslev
	-32	-47	0.045	0.7	Packered extraction recovery	Hvorslev
	-25	-40	0.93	13.8	Packered rising slug	Hvorslev
	-18	-33	1.1	17.0	Packered rising slug	Hvorslev
MW-109	6	2	76	301.0	Specific capacity	Cooper-Jacob[7]
MW-111	5	0	3.5	19.3	Rising slug	Hvorslev
U3-3	6	0	2.5	15.0	Extraction	Unconfined Theis
U3-4D	-10	-19	0.44	4.0	Specific capacity	Walton

See Page 7 for Notes

TABLE 4.4
HYDRAULIC CONDUCTIVITY SUMMARY
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

WELL ID	TEST ZONE [1] EL., ft		K [2] ft/d	T [3] ft^2/d	TEST METHOD	METHOD OF ANALYSIS
U3-4S	5	-3	39	333.0	Extraction	Unconfined Theis
I-2	54	42	0.08	0.9	Rising slug	Hvorslev

NOTES: well screen in unconsolidated deposit {soil backfill/natural soil}
well screen in consolicated {bedrock}

All elevations are above NGVD29.

1. Submerged parts of sand packed zones in wells. Packered or submerged zones for open rock holes.
2. Hydraulic conductivity
3. Transmissivity. Calculated by multiplying K with test zone interval.
4. Hvorslev, M.J., 1951. Time Lag and Soil Permeability in Ground-Water Observations, Bull. No. 36, Waterways Exper. Sta. Corps of Engrs, U.S. Army, Vicksburg, Mississippi, pp. 1-50.
5. Theis, C.V., 1935. The relation between the lowering of the piezometric surface and the rate and duration of discharge of a well using groundwater storage, Am. Geophys. Union Trans., vol. 16, pp. 519-524.
6. Walton, W. C., 1970. Groundwater resource evaluation: New York, McGraw-Hill.
7. Cooper, H.H. and C.E. Jacob, 1946. A generalized graphical method for evaluating formation constants and summarizing well field history, Am. Geophys. Union Trans.

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TABLE 4.5
TRANSDUCER INFORMATION
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

WELL ID	DIAPHRAGM		TRANSDUCER MAKE	PRESSURE RANGE psi	ACCURACY % full scale	ACCURACY ft H_2O[1]
	DEPTH ft below toc	EL. ft msl				
MW-30-69	68.8	6.9	Geokon	10	0.10	0.023
MW-30-71	70.3	5.4	Geokon	10	0.10	0.023
MW-30-82	81.8	-6.1	Geokon	10	0.10	0.023
MW-30-84	83.3	-7.6	Geokon	10	0.10	0.023
MW-31-49	48.3	27.3	Geokon	10	0.10	0.023
MW-31-63	63.0	12.6	Geokon	50	0.10	0.115
MW-31-85	84.5	-8.9	Geokon	50	0.10	0.115
MW-32-62[2]	59.5	17.6	Geokon	10	0.10	0.023
MW-32-92[2]	90.2	-13.1	Geokon	50	0.10	0.115
MW-32-140[2]	137.7	-60.6	Geokon	50	0.10	0.115
MW-32-165[2]	162.7	-85.6	Geokon	50	0.10	0.115
MW-32-196[2]	194.5	-117.4	Geokon	100	0.10	0.231
MW-32-48[3]	48.0	29.1	Geokon	50	0.10	0.115
MW-32-59[3]	58.0	19.1	Geokon	50	0.10	0.115
MW-32-85[3]	85.0	-7.9	Geokon	50	0.10	0.115
MW-32-131[3]	130.5	-53.4	Geokon	50	0.10	0.115
MW-32-149[3]	149.0	-71.9	Geokon	50	0.10	0.115
MW-32-173[3]	172.5	-95.4	Geokon	100	0.10	0.231
MW-32-190[3]	190.0	-112.9	Geokon	100	0.10	0.231
MW-33	variable[4]		In-Situ MiniTroll	30	0.10	0.069
MW-34	variable		In-Situ MiniTroll	30	0.10	0.069
MW-35	variable		In-Situ MiniTroll	30	0.10	0.069
MW-36-24	variable		In-Situ MiniTroll	30	0.10	0.069
MW-36-41	variable		In-Situ MiniTroll	30	0.10	0.069
MW-36-52	variable		In-Situ MiniTroll	30	0.10	0.069
MW-37-22	variable		In-Situ MiniTroll	30	0.10	0.069
MW-37-32	variable		In-Situ MiniTroll	30	0.10	0.069
MW-37-40	variable		In-Situ MiniTroll	30	0.10	0.069
MW-37-57	variable		In-Situ MiniTroll	30	0.10	0.069
MW-38	variable		In-Situ MiniTroll	30	0.10	0.069
MW-39-67	66.7	13.3	Geokon	50	0.10	0.115
MW-39-84	83.0	-3.0	Geokon	25	0.10	0.058
MW-39-100	99.5	-19.5	Geokon	25	0.10	0.058
MW-39-102	101.2	-21.2	Geokon	50	0.10	0.115
MW-39-124	123.7	-43.7	Geokon	50	0.10	0.115
MW-39-183	182.2	-102.2	Geokon	50	0.10	0.115
MW-39-195	194.7	-114.7	Geokon	100	0.10	0.231
MW-40-24	23.9	49.3	Geokon	50	0.10	0.115
MW-40-27	26.2	47.0	Geokon	10	0.10	0.023
MW-40-46	45.7	27.5	Geokon	25	0.10	0.058
MW-40-81	80.2	-7.0	Geokon	25	0.10	0.058
MW-40-100	99.9	-26.7	Geokon	50	0.10	0.115
MW-40-127	126.9	-53.7	Geokon	50	0.10	0.115
MW-40-162	161.4	-88.2	Geokon	100	0.10	0.231
MW-41-40	variable		In-Situ MiniTroll	30	0.10	0.069
MW-41-63	variable		In-Situ MiniTroll	30	0.10	0.069
MW-42-49	variable		In-Situ MiniTroll	30	0.10	0.069
MW-42-78	variable		In-Situ MiniTroll	30	0.10	0.069
MW-43-28	variable		In-Situ MiniTroll	30	0.10	0.069
MW-43-62	variable		In-Situ MiniTroll	30	0.10	0.069
MW-44-67	variable		In-Situ MiniTroll	30	0.10	0.069
MW-44-102	variable		In-Situ MiniTroll	30	0.10	0.069

See Page 3 for Notes

TABLE 4.5
TRANSDUCER INFORMATION
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

WELL ID	DIAPHRAGM		TRANSDUCER MAKE	PRESSURE RANGE psi	ACCURACY % full scale	ACCURACY ft H_2O[1]
	DEPTH ft below toc	EL. ft msl				
MW-45-42	variable		In-Situ MiniTroll	30	0.10	0.069
MW-45-61	variable		In-Situ MiniTroll	30	0.10	0.069
MW-46	variable		In-Situ MiniTroll	30	0.10	0.069
MW-47-56	variable		In-Situ MiniTroll	30	0.10	0.069
MW-47-80	variable		In-Situ MiniTroll	30	0.10	0.069
MW-48-23	variable		In-Situ MiniTroll	30	0.10	0.069
MW-48-37	variable		In-Situ MiniTroll	30	0.10	0.069
MW-49-26	variable		In-Situ MiniTroll	30	0.10	0.069
MW-49-42	variable		In-Situ MiniTroll	30	0.10	0.069
MW-49-65	variable		In-Situ MiniTroll	30	0.10	0.069
MW-50-42	variable		In-Situ MiniTroll	30	0.10	0.069
MW-50-66	variable		In-Situ MiniTroll	30	0.10	0.069
MW-51-40	39.4	28.3	Geokon	50	0.10	0.115
MW-51-79	78.2	-10.5	Geokon	25	0.10	0.058
MW-51-102	101.9	-34.2	Geokon	50	0.10	0.115
MW-51-104	103.4	-35.7	Geokon	50	0.10	0.115
MW-51-135	134.9	-67.2	Geokon	50	0.10	0.115
MW-51-163	162.4	-94.7	Geokon	100	0.10	0.231
MW-51-189	188.9	-121.2	Geokon	100	0.10	0.231
MW-52-11	variable		In-Situ MiniTroll	30	0.10	0.069
MW-52-18	17.2	-2.3	Geokon	50	0.10	0.115
MW-52-48	47.5	-32.6	Geokon	25	0.10	0.058
MW-52-64	63.7	-48.8	Geokon	50	0.10	0.115
MW-52-118	117.2	-102.3	Geokon	50	0.10	0.115
MW-52-122	121.7	-106.8	Geokon	50	0.10	0.115
MW-52-162	161.2	-146.3	Geokon	100	0.10	0.231
MW-52-181	180.7	-165.8	Geokon	100	0.10	0.231
MW-53-82	variable		In-Situ MiniTroll	30	0.10	0.069
MW-53-120	variable		In-Situ MiniTroll	30	0.10	0.069
MW-54-35	34.7	-21.6	Geokon	50	0.10	0.115
MW-54-37	36.2	-23.1	Geokon	50	0.10	0.115
MW-54-58	57.2	-44.1	Geokon	50	0.10	0.115
MW-54-123	122.7	-109.6	Geokon	50	0.10	0.115
MW-54-144	143.7	-130.6	Geokon	50	0.10	0.115
MW-54-173	172.2	-159.1	Geokon	100	0.10	0.231
MW-54-190	189.7	-176.6	Geokon	100	0.10	0.231
MW-55-24	variable		In-Situ MiniTroll	30	0.10	0.069
MW-55-35	variable		In-Situ MiniTroll	30	0.10	0.069
MW-55-54	variable		In-Situ MiniTroll	30	0.10	0.069
MW-56-53	variable		In-Situ MiniTroll	30	0.10	0.069
MW-56-83	variable		In-Situ MiniTroll	30	0.10	0.069
MW-57-11	variable		In-Situ MiniTroll	30	0.10	0.069
MW-57-20	variable		In-Situ MiniTroll	30	0.10	0.069
MW-57-45	variable		In-Situ MiniTroll	30	0.10	0.069
MW-58-26	variable		In-Situ MiniTroll	30	0.10	0.069
MW-58-65	variable		In-Situ MiniTroll	30	0.10	0.069
MW-59-32	variable		In-Situ MiniTroll	30	0.10	0.069
MW-59-45	variable		In-Situ MiniTroll	30	0.10	0.069
MW-59-68	variable		In-Situ MiniTroll	30	0.10	0.069
MW-60-35	34.6	-22.1	Geokon	50	0.10	0.115
MW-60-53	52.9	-40.4	Geokon	25	0.10	0.058
MW-60-55	54.4	-41.9	Geokon	25	0.10	0.058
MW-60-72	72.1	-59.6	Geokon	50	0.10	0.115
MW-60-135	134.6	-122.1	Geokon	50	0.10	0.115
MW-60-154	154.1	-141.6	Geokon	100	0.10	0.231
MW-60-176	175.6	-163.1	Geokon	100	0.10	0.231

See Page 3 for Notes

TABLE 4.5
TRANSDUCER INFORMATION
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

WELL ID	DIAPHRAGM		TRANSDUCER MAKE	PRESSURE RANGE psi	ACCURACY % full scale	ACCURACY ft H_2O[1]
	DEPTH ft below toc	EL. ft msl				
MW-62-18	variable		In-Situ MiniTroll	30	0.10	0.069
MW-62-37	variable		In-Situ MiniTroll	30	0.10	0.069
MW-62-52	51.3	-38.5	Geokon	50	0.10	0.115
MW-62-53	52.8	-40.0	Geokon	50	0.10	0.115
MW-62-71	70.8	-58.0	Geokon	50	0.10	0.115
MW-62-92	91.3	-78.5	Geokon	50	0.10	0.115
MW-62-138	137.8	-125.0	Geokon	50	0.10	0.115
MW-62-181	180.3	-167.5	Geokon	100	0.10	0.231
MW-62-182	181.8	-169.0	Geokon	100	0.10	0.231
MW-63-18	variable		In-Situ MiniTroll	30	0.10	0.069
MW-63-35	variable		In-Situ MiniTroll	30	0.10	0.069
MW-63-50	49.2	-36.9	Geokon	50	0.10	0.115
MW-63-91	90.2	-77.9	Geokon	50	0.10	0.115
MW-63-93	92.7	-80.4	Geokon	50	0.10	0.115
MW-63-112	111.2	-98.9	Geokon	50	0.10	0.115
MW-63-121	120.7	-108.4	Geokon	50	0.10	0.115
MW-63-163	162.2	-149.9	Geokon	100	0.10	0.231
MW-63-174	173.7	-161.4	Geokon	100	0.10	0.231
MW-65-48	variable		In-Situ MiniTroll	30	0.10	0.069
MW-65-80	variable		In-Situ MiniTroll	30	0.10	0.069
MW-66-21	variable		In-Situ MiniTroll	30	0.10	0.069
MW-66-36	variable		In-Situ MiniTroll	30	0.10	0.069
MW-67-39	38.0	-25.5	Geokon	50	0.10	0.115
MW-67-105	104.5	-92.0	Geokon	50	0.10	0.115
MW-67-173	172.0	-159.5	Geokon	100	0.10	0.231
MW-67-219	218.5	-206.0	Geokon	100	0.10	0.231
MW-67-276	275.0	-262.5	Geokon	100	0.10	0.231
MW-67-323	322.0	-309.5	Geokon	145	0.10	0.334
MW-67-340	339.5	-327.0	Geokon	145	0.10	0.334
MW-107	variable		In-Situ MiniTroll	30	0.10	0.069
MW-108	variable		In-Situ MiniTroll	30	0.10	0.069
MW-109	variable		In-Situ MiniTroll	30	0.10	0.069
MW-111	variable		In-Situ MiniTroll	30	0.10	0.069
U3-1	variable		In-Situ MiniTroll	30	0.10	0.069
U3-2	variable		In-Situ MiniTroll	30	0.10	0.069
U3-3	variable		In-Situ MiniTroll	30	0.10	0.069
U3-4S	variable		In-Situ MiniTroll	30	0.10	0.069
U3-4D	variable		In-Situ MiniTroll	30	0.10	0.069
U3-T1	variable		In-Situ MiniTroll	30	0.10	0.069
U3-T2	variable		In-Situ MiniTroll	30	0.10	0.069
I-2	variable		In-Situ MiniTroll	30	0.10	0.069
U1-CSS	variable		Geokon	10	0.10	0.023

NOTES:
All elevations are above NGVD29.
1. 0.1% of full scale
2. Transducer installation data for MW-32 Waterloo System configuration in place prior to September 2007.
3. Transducer installation data for MW-32 Waterloo System configuration as re-installed in September 2007 (see Appendix D for further information).
4. "Variable" indicates that the transducer has been positioned at different elevations over time (see Appendix M for further information).

TABLE 5.1
GROUNDWATER ANALYTICAL DATA
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

Well ID	SAMPLE ZONE [1] CENTER ELEVATION, FT	SAMPLE COLLECTION DATE	ANALYSIS RESULTS				
			H-3 pCi/L	Sr-90 pCi/L	Cs-137 pCi/L	Ni-63 pCi/L	Co-60 pCi/L
MW-30-69	6.4	8/18/06	220,000	ND[2]	ND	NA[3]	ND
		11/29/06	106,000	2.5	3,130	ND	ND
		1/16/07	81,700	ND	ND	NA	ND
		6/12/07	297,000	ND	ND	ND	ND
		7/18/07	82,100	NA	NA	NA	NA
		7/25/07	232,000	ND	ND	NA	ND
		8/1/07	103,000	NA	NA	NA	NA
		8/8/07	99,600	NA	NA	NA	NA
		8/15/07	233,000	NA	NA	NA	NA
		8/21/07	107,000	NA	NA	NA	NA
		8/30/07	98,000	NA	NA	NA	NA
		9/7/07	97,900	NA	NA	NA	NA
		9/13/07	93,100	NA	NA	NA	NA
		9/19/07	92,000	NA	NA	NA	NA
30-84	-8.1	8/22/06	12,500	ND	ND	NA	ND
		11/29/06	10,100	ND	294	ND	ND
		1/17/07	7,330	ND	ND	NA	ND
		6/12/07	7,790	ND	ND	ND	ND
		7/18/07	4,800	NA	NA	NA	NA
		7/25/07	5,020	ND	ND	NA	ND
MW-31-49	26.3	11/27/06	298	ND	70	ND	ND
		1/18/07	1,200	ND	ND	NA	ND
		6/12/07	1,480	ND	ND	ND	ND
		8/2/07	11,900	ND	88.3	NA	ND
		9/11/07	6,980	ND	ND	NA	ND
31-63	12.3	11/27/06	6,890	ND	199	ND	ND
		1/18/07	14,100	ND	ND	NA	ND
		6/12/07	5,000	ND	ND	ND	ND
		8/2/07	40,600	ND	ND	NA	ND
		9/11/07	37,700	ND	ND	NA	ND
31-85	-9.2	11/27/06	462	ND	152	ND	ND
		1/18/07	2,660	ND	ND	NA	ND
		6/12/07	317	ND	ND	ND	ND
		8/2/07	2,690	ND	ND	NA	ND
		9/11/07	4,320	ND	ND	NA	ND

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TABLE 5.1
GROUNDWATER ANALYTICAL DATA
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

Well ID	SAMPLE ZONE [1] CENTER ELEVATION, FT	SAMPLE COLLECTION DATE	ANALYSIS RESULTS				
			H-3 pCi/L	Sr-90 pCi/L	Cs-137 pCi/L	Ni-63 pCi/L	Co-60 pCi/L
MW-32-62	15.3	1/19/07	7,670	ND	ND	NA	ND
		6/28/07	24,000	ND	ND	NA	ND
		8/13/07	14,200	ND	ND	NA	ND
32-92	-15.2	1/19/07	11,200	ND	ND	NA	ND
		6/28/07	5,420	ND	ND	NA	ND
		8/13/07	5,700	ND	ND	NA	ND
32-140	-62.7	1/19/07	11,300	ND	ND	NA	ND
		6/28/07	302	ND	ND	NA	ND
		8/13/07	ND	ND	ND	NA	ND
32-160[4]	-82.7	1/19/07	10,500	ND	NA	NA	NA
32-165	-87.7	6/28/07	581	ND	ND	NA	ND
		8/13/07	493	ND	ND	NA	ND
32-196	-118.0	1/19/07	11,300	ND	ND	NA	ND
		6/28/07	2,410	ND	ND	NA	ND
		8/13/07	1,720	ND	ND	NA	ND
MW-33	-0.35	12/15/05	142,000	NA	NA	NA	NA
		12/19/05	199,000	NA	NA	NA	NA
		12/29/05	220,000	NA	NA	NA	NA
		1/6/06	189,000	NA	NA	NA	NA
		1/13/06	232,000	NA	NA	NA	NA
		1/20/06	226,000	NA	NA	NA	NA
		1/27/06	242,000	NA	NA	NA	NA
		2/3/06	250,000	NA	NA	NA	NA
		2/7/06	214,000	ND	NA	NA	NA
		2/16/06	261,000	NA	NA	NA	NA
		3/3/06	253,000	NA	NA	NA	NA
		4/7/06	221,000	NA	NA	NA	NA
		5/17/06	135,000	ND	ND	NA	ND
		6/7/06	141,000	0.7	ND	NA	ND
		7/3/06	264,000	ND	ND	NA	ND
		8/4/06	184,000	NA	ND	NA	ND
		8/30/06	115,000	NA	ND	NA	ND
	2.9[5]	6/15/07	90,600	ND	ND	ND	ND
		8/3/07	23,000	ND	ND	NA	ND

TABLE 5.1
GROUNDWATER ANALYTICAL DATA
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

Well ID	SAMPLE ZONE [1] CENTER ELEVATION, FT	SAMPLE COLLECTION DATE	ANALYSIS RESULTS				
			H-3 pCi/L	Sr-90 pCi/L	Cs-137 pCi/L	Ni-63 pCi/L	Co-60 pCi/L
MW-34	-0.38	12/13/05	63,900	NA	NA	NA	NA
		12/19/05	121,000	NA	NA	NA	NA
		12/29/05	147,000	NA	NA	NA	NA
		1/6/06	159,000	NA	NA	NA	NA
		1/13/06	131,000	NA	NA	NA	NA
		1/20/06	211,000	NA	NA	NA	NA
		1/27/06	212,000	NA	NA	NA	NA
		2/3/06	224,000	NA	NA	NA	NA
		2/7/06	174,000	ND	NA	NA	NA
		2/16/06	199,000	NA	NA	NA	NA
		3/3/06	230,000	NA	NA	NA	NA
		4/7/06	276,000	NA	NA	NA	NA
		5/17/06	36,400	ND	ND	NA	ND
		6/26/06	10,500	ND	ND	NA	ND
		7/26/06	40,700	ND	ND	NA	ND
		8/24/06	66,900	NA	ND	NA	ND
		9/21/06	16,100	ND	ND	NA	ND
	2.0[5]	8/3/07	22,200	ND	ND	NA	ND
MW-35	-0.4	12/13/05	42,300	NA	NA	NA	NA
		12/19/05	76,000	NA	NA	NA	NA
		12/29/05	80,500	NA	NA	NA	NA
		1/6/06	95,400	NA	NA	NA	NA
		1/13/06	97,800	NA	NA	NA	NA
		1/20/06	104,000	NA	NA	NA	NA
		1/27/06	38,700	NA	NA	NA	NA
		2/3/06	51,400	NA	NA	NA	NA
		2/7/06	84,400	ND	NA	NA	NA
		2/16/06	90,400	NA	NA	NA	NA
		3/3/06	119,000	NA	NA	NA	NA
		4/7/06	56,200	NA	NA	NA	NA
		5/17/06	40,700	ND	ND	NA	ND
		6/26/06	17,400	ND	ND	NA	ND
		9/21/06	45,300	ND	ND	NA	ND
	3.6[5]	6/15/07	2,030	ND	46.6	ND	ND
		8/3/07	5,950	ND	ND	NA	ND

TABLE 5.1
GROUNDWATER ANALYTICAL DATA
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

Well ID	SAMPLE ZONE [1] CENTER ELEVATION, FT	SAMPLE COLLECTION DATE	ANALYSIS RESULTS				
			H-3 pCi/L	Sr-90 pCi/L	Cs-137 pCi/L	Ni-63 pCi/L	Co-60 pCi/L
MW-36-24	-4.3	2/7/06	NA	1.3	NA	NA	NA
		2/27/06	30,400	NA	NA	NA	NA
		3/23/06	34,200	1.0	ND	64.1	ND
		4/5/06	NA	1.6	NA	NA	NA
		6/5/06	202	ND	ND	NA	ND
		8/28/06	245	NA	ND	NA	ND
		6/27/07	ND	ND	ND	NA	ND
		8/8/07	ND	ND	ND	ND	ND
MW-36-41	-25.2	2/10/06	47,500	NA	NA	NA	NA
		2/27/06	45,800	NA	NA	NA	NA
		3/24/06	55,200	3.5	ND	48.7	ND
		4/5/06	NA	3.5	NA	NA	NA
		6/5/06	20,500	2.3	ND	NA	ND
		8/28/06	20,100	NA	ND	NA	ND
	-25.2[5]	6/27/07	6,110	2.2	ND	NA	ND
MW-36-52	-37.9	2/10/06	22,400	NA	NA	NA	NA
		2/27/06	25,700	NA	NA	NA	NA
		3/24/06	26,800	4.1	ND	ND	ND
		4/5/06	NA	5.0	NA	NA	NA
		6/5/06	24,000	4.4	ND	NA	ND
		8/28/06	14,100	NA	ND	NA	ND
		6/27/07	10,100	2.6	ND	NA	ND
	-38.2[5]	8/8/07	12,500	2.3	ND	ND	ND

TABLE 5.1
GROUNDWATER ANALYTICAL DATA
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

Well ID	SAMPLE ZONE [1] CENTER ELEVATION, FT	SAMPLE COLLECTION DATE	ANALYSIS RESULTS				
			H-3 pCi/L	Sr-90 pCi/L	Cs-137 pCi/L	Ni-63 pCi/L	Co-60 pCi/L
MW-37-22	-1.5	2/24/06	10,700	NA	NA	NA	NA
		2/28/06	12,800	2.4	ND	42.4	ND
		3/10/06	23,200	4.7	ND	20.8	ND
		3/27/06	34,900	4.1	ND	54.3	ND
		6/27/06	10,500	9.6	ND	NA	ND
		9/29/06	7,370	14.2	ND	NA	ND
	-2.0[5]	6/27/07	4,050	14.9	ND	NA	ND
		8/7/07	2,790	18.3	ND	NA	ND
MW-37-32	-14.8	2/24/06	30,100	NA	NA	NA	NA
		2/28/06	28,600	18.2	ND	34.1	ND
		3/10/06	28,300	15.2	ND	ND	ND
		3/27/06	13,900	19.5	ND	ND	ND
		6/27/06	7,920	29.8	ND	NA	ND
		9/29/06	11,500	15.3	ND	NA	ND
	-14.0[5]	6/27/07	3,130	18.5	ND	NA	ND
		8/7/07	3,810	18.9	ND	NA	ND
MW-37-40	-24.2	2/24/06	16,800	NA	NA	NA	NA
		2/28/06	14,700	4.9	ND	56.5	ND
		3/10/06	17,000	13.5	ND	ND	ND
		3/27/06	15,600	11.1	ND	ND	ND
	-24.0[5]	6/27/07	14,200	24.4	ND	NA	ND
		8/7/07	5,850	9.8	ND	NA	ND
MW-37-57	-38.2	2/24/06	16,000	NA	NA	NA	NA
		2/28/06	13,300	22.7	ND	29.1	ND
		3/10/06	19,100	22.9	ND	ND	ND
		3/27/06	15,900	16.5	ND	ND	ND
		6/27/06	44,800	27.3	ND	NA	ND
		9/29/06	10,500	18.1	ND	NA	ND
	-40.0[5]	6/27/07	5,890	24.2	ND	NA	ND
		8/7/07	6,680	23.3	ND	NA	ND

TABLE 5.1
GROUNDWATER ANALYTICAL DATA
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

Well ID	SAMPLE ZONE [1] CENTER ELEVATION, FT	SAMPLE COLLECTION DATE	ANALYSIS RESULTS				
			H-3 pCi/L	Sr-90 pCi/L	Cs-137 pCi/L	Ni-63 pCi/L	Co-60 pCi/L
MW-38	-11.1	12/8/05	985	ND	ND	NA	ND
		12/30/05	ND	NA	ND	NA	ND
		1/10/06	1,010	NA	ND	NA	ND
		1/19/06	758	NA	ND	NA	ND
		1/25/06	1,440	NA	ND	NA	ND
		2/1/06	ND	NA	ND	NA	ND
		2/8/06	ND	ND	ND	NA	ND
		2/16/06	ND	NA	ND	NA	ND
		2/23/06	2,630	NA	ND	NA	ND
		3/3/06	ND	NA	ND	NA	ND
		5/22/06	759	ND	ND	NA	ND
		6/21/06	916	ND	ND	ND	ND
		7/6/06	593	ND	ND	NA	ND
		8/7/06	215	ND	ND	ND	ND
		9/5/06	353	ND	ND	NA	ND
		11/22/06	ND	ND	ND	NA	ND
		2/12/07	2,240	ND	2.7	NA	ND
		8/16/07	604	ND	ND	NA	ND
MW-39-67	12.7	5/22/07	473	2.8	ND	ND	ND
		8/7/07	325	4.8	ND	NA	ND
39-84	-3.8	5/22/07	591	1.7	ND	ND	ND
		8/7/07	252	0.8	ND	NA	ND
39-102	-21.8	5/22/07	805	1.3	ND	ND	ND
		8/7/07	321	ND	ND	NA	ND
39-124	-44.3	5/22/07	261	ND	ND	ND	ND
		8/7/07	192	ND	ND	NA	ND
39-183	-102.8	5/22/07	247	ND	ND	ND	ND
		8/7/07	ND	ND	ND	NA	ND
39-195	-115.3	5/22/07	255	1.3	ND	ND	ND
		8/7/07	200	ND	ND	NA	ND

TABLE 5.1
GROUNDWATER ANALYTICAL DATA
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

Well ID	SAMPLE ZONE [1] CENTER ELEVATION, FT	SAMPLE COLLECTION DATE	ANALYSIS RESULTS				
			H-3 pCi/L	Sr-90 pCi/L	Cs-137 pCi/L	Ni-63 pCi/L	Co-60 pCi/L
MW-40-27	48.7	6/5/07	ND	ND	ND	NA	ND
		7/23/07	ND	ND	ND	NA	ND
40-46	26.7	6/5/07	ND	ND	ND	NA	ND
		7/23/07	ND	ND	ND	NA	ND
40-81	-7.8	6/5/07	ND	ND	ND	NA	ND
		7/23/07	ND	ND	ND	NA	ND
40-100	-27.3	6/5/07	176	ND	ND	NA	ND
		7/23/07	ND	ND	ND	NA	ND
40-127	-54.3	6/5/07	187	ND	ND	NA	ND
		7/23/07	ND	ND	ND	NA	ND
40-162	-88.8	6/5/07	ND	ND	ND	NA	ND
		7/23/07	ND	ND	ND	NA	ND
MW-41-40	20.5	4/12/06	726	2.6	ND	NA	ND
		5/25/06	607	5.2	ND	NA	ND
		6/12/06	676	3.6	ND	NA	ND
		7/14/06	983	7.0	ND	NA	ND
		8/16/06	447	NA	ND	NA	ND
		11/13/06	425	4.6	ND	ND	ND
	18.9[5]	6/19/07	3,910	6.0	ND	ND	ND
		8/14/07	380	6.0	ND	NA	ND
41-63	-4.6	4/12/06	701	5.5	ND	NA	ND
		5/25/06	361	5.2	ND	NA	ND
		6/12/06	268	0.8	ND	NA	ND
		7/18/06	243	2.2	ND	NA	ND
		8/16/06	356	NA	ND	NA	ND
		11/13/06	157	2.1	ND	ND	ND
	-6.1[5]	6/20/07	552	7.1	ND	ND	ND
		8/14/07	547	3.6	ND	NA	ND

TABLE 5.1
GROUNDWATER ANALYTICAL DATA
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

Well ID	SAMPLE ZONE [1] CENTER ELEVATION, FT	SAMPLE COLLECTION DATE	ANALYSIS RESULTS H-3 pCi/L	Sr-90 pCi/L	Cs-137 pCi/L	Ni-63 pCi/L	Co-60 pCi/L
MW-42-41[6]	28.7	3/31/06	5,400	NA	6,890	NA	NA
		4/7/06	2,880	95.9	48,900	3,190	56.2
		7/21/06	3,580	13	8,290	NA	ND
		9/18/06	1,840	NA	17,700	NA	ND
		11/17/06	2,260	10	6,950	131	ND
42-43[6]	26.7	3/31/06	4,870	NA	6,950	NA	NA
		4/7/06	2,370	93.5	50,000	3,600	40.2
		7/21/06	3,050	12.8	8,890	NA	ND
		9/18/06	1,280	NA	22,600	NA	ND
		11/16/06	2,650	14.9	8,620	228	3.2
42-46[6]	24.2	3/31/06	4,830	NA	8,620	NA	NA
		4/7/06	2,510	110	47,300	4,730	ND
		7/21/06	2,320	10.9	7,860	NA	ND
		9/15/06	1,100	NA	22,600	NA	ND
		11/16/06	2,310	11.4	7,250	249	ND
42-48[6]	21.7	3/31/06	4,600	NA	7,250	NA	NA
		4/7/06	3,980	73.7	53,100	5,120	ND
		7/20/06	2,800	15.2	9,330	NA	ND
		9/15/06	621	NA	38,900	NA	65.3
		11/16/06	1,980	10.6	6,920	207	ND
MW-42-49	27.1	3/23/06	2,630	51.9	102,000	NA	194
		3/31/06	2,490	21.0	6,550	NA	ND
		4/7/06	2,510	109	81,100	2,220	88.1
	23.7 [5]	6/18/07	1,340	77.3	19,000	1,030	ND
		8/2/07	1,500	50.2	24,800	805	ND
		8/17/07	1,600	20.1	19,600	526	ND
42-78	-4.3	3/24/06	1,280	ND	4,460	NA	ND
		4/7/06	792	ND	1,980	36.6	ND
	-4.3 [5]	6/18/07	378	ND	62.8	ND	ND
		7/27/07	319	ND	ND	ND	ND
		8/17/07	461	ND	45.1	ND	ND
MW-43-28	25.3	4/12/06	346	ND	ND	NA	ND
		5/25/06	ND	2.7	ND	NA	ND
		6/12/06	230	ND	ND	NA	ND
		7/12/06	ND	ND	ND	NA	ND
		8/16/06	260	NA	ND	NA	ND
	25.8 [5]	6/18/07	278	1.1	ND	ND	ND
		8/13/07	ND	ND	ND	NA	ND

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TABLE 5.1
GROUNDWATER ANALYTICAL DATA
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

Well ID	SAMPLE ZONE [1] CENTER ELEVATION, FT	SAMPLE COLLECTION DATE	ANALYSIS RESULTS				
			H-3 pCi/L	Sr-90 pCi/L	Cs-137 pCi/L	Ni-63 pCi/L	Co-60 pCi/L
43-62	-2.2	4/12/06	200	ND	ND	NA	ND
		5/25/06	ND	ND	ND	NA	ND
		6/12/06	ND	1.3	ND	NA	ND
		7/12/06	ND	ND	ND	NA	ND
		8/16/06	ND	NA	ND	NA	ND
	-5.2[5]	6/19/07	ND	0.9	ND	ND	ND
		8/13/07	ND	ND	ND	NA	ND
MW-44-67	31.1	3/28/06	338	ND	ND	NA	ND
		5/24/06	237	0.7	ND	NA	ND
		7/20/06	892	ND	35.4	NA	ND
	30.5[5]	6/29/07	268	ND	ND	NA	ND
		8/14/07	417	ND	ND	NA	ND
44-102	2.5	6/13/06	253	ND	ND	NA	ND
		7/20/06	316	ND	ND	NA	ND
		8/4/06	761	NA	ND	NA	ND
		9/13/06	267	NA	ND	NA	ND
	13.5[5]	6/19/07	298	ND	ND	ND	ND
		8/14/07	284	ND	ND	NA	ND
MW-45-42	19.2	4/4/06	518	0.9	ND	NA	ND
		5/25/06	1,820	ND	ND	NA	ND
		6/12/06	2,270	1.0	ND	NA	ND
		7/14/06	419	ND	ND	NA	ND
		8/11/06	3,160	NA	ND	NA	ND
		9/13/06	4,150	NA	ND	NA	ND
		11/13/06	525	ND	ND	ND	ND
	16.7[5]	6/21/07	2,320	ND	ND	ND	ND
		8/15/07	1,160	ND	ND	NA	ND
45-61	-4.1	4/4/06	298	ND	ND	NA	ND
		5/25/06	1,710	ND	ND	NA	ND
		6/12/06	1,020	ND	ND	NA	ND
		7/20/06	372	ND	ND	NA	ND
		8/11/06	1,350	NA	ND	NA	ND
		9/13/06	1,450	NA	ND	NA	ND
		11/13/06	957	1.7	ND	ND	ND
	-4.3[5]	6/21/07	1,470	ND	ND	ND	ND
		8/15/07	1,500	ND	ND	NA	ND
MW-46	0.0	4/12/06	1,380	0.6	ND	NA	ND
		5/24/06	623	ND	ND	NA	ND
		6/13/06	ND	ND	ND	NA	ND
		7/12/06	786	ND	ND	NA	ND
		8/4/06	1,150	NA	ND	NA	ND
		9/13/06	1,470	NA	ND	NA	ND
	7.6[5]	6/14/07	3,430	ND	ND	ND	ND
		8/1/07	662	ND	ND	NA	ND

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TABLE 5.1
GROUNDWATER ANALYTICAL DATA
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

Well ID	SAMPLE ZONE [1] CENTER ELEVATION, FT	SAMPLE COLLECTION DATE	ANALYSIS RESULTS				
			H-3 pCi/L	Sr-90 pCi/L	Cs-137 pCi/L	Ni-63 pCi/L	Co-60 pCi/L
MW-47-56	17.1	4/13/06	760	2.3	ND	NA	ND
		7/18/06	ND	ND	ND	NA	ND
	18.3[5]	6/20/07	529	0.6	ND	ND	ND
		8/10/07	270	ND	ND	NA	ND
47-80	-3.7	4/13/06	2,330	2.7	ND	NA	ND
		7/18/06	1,870	2.9	ND	NA	ND
	-1.7[5]	6/19/07	2,360	3.3	ND	ND	ND
		8/10/07	3,510	3.6	ND	NA	ND
MW-48-23	-5.0	2/8/06	ND	ND	ND	NA	ND
		4/12/06	ND	ND	ND	NA	ND
		4/27/06	238	ND	ND	NA	ND
		5/22/06	755	ND	ND	NA	ND
		6/9/06	737	ND	ND	ND	ND
		7/6/06	ND	ND	ND	NA	ND
		8/8/06	ND	ND	ND	NA	ND
		9/5/06	740	ND	ND	NA	ND
		11/22/06	ND	ND	ND	NA	ND
		2/9/07	272	ND	ND	NA	ND
		8/16/07	393	ND	ND	NA	ND
48-37	-20.6	2/10/06	ND	NA	ND	NA	ND
		4/12/06	ND	ND	ND	NA	ND
		4/27/06	ND	ND	ND	NA	ND
		5/22/06	ND	ND	ND	NA	ND
		6/9/06	ND	2.1	ND	ND	ND
		7/6/06	ND	ND	ND	NA	ND
		8/8/06	ND	ND	ND	NA	ND
		9/5/06	573	ND	ND	NA	ND
		11/22/06	ND	ND	ND	NA	ND
		2/9/07	ND	ND	ND	NA	ND
		8/16/07	ND	ND	ND	NA	ND
MW-49-26	-4.4	3/22/06	15,400	18.4	ND	NA	ND
		5/19/06	14,200	9.0	ND	NA	ND
		6/6/06	14,000	14.1	ND	NA	ND
		7/7/06	10,000	12.6	ND	NA	ND
		8/1/06	13,700	NA	ND	36.7	ND
		8/28/06	11,000	NA	ND	NA	ND
		11/15/06	6,390	15.5	ND	ND	ND
	-5.4 [5]	6/26/07	7,760	12.7	ND	ND	ND
		8/9/07	6,720	14.3	ND	ND	ND

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TABLE 5.1
GROUNDWATER ANALYTICAL DATA
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

Well ID	SAMPLE ZONE [1] CENTER ELEVATION, FT	SAMPLE COLLECTION DATE	ANALYSIS RESULTS				
			H-3 pCi/L	Sr-90 pCi/L	Cs-137 pCi/L	Ni-63 pCi/L	Co-60 pCi/L
49-42	-23.4	3/22/06	11,300	19.4	ND	NA	ND
		5/19/06	9,390	12.0	ND	NA	ND
		6/6/06	8,280	16.3	ND	NA	ND
		7/7/06	5,850	19.2	ND	NA	ND
		8/1/06	8,800	NA	ND	ND	ND
		8/28/06	8,690	NA	ND	NA	ND
		11/15/06	6,190	21.1	ND	ND	ND
	-22.4 [5]	6/26/07	4,440	20.8	ND	ND	ND
		8/9/07	4,300	25.6	ND	ND	ND
49-65	-45.4	3/22/06	5,430	18.5	ND	NA	ND
		5/19/06	5,750	11.3	ND	NA	ND
		6/6/06	4,320	17.2	ND	NA	ND
		7/7/06	4,630	15.6	ND	NA	ND
		8/1/06	5,760	NA	ND	ND	ND
		8/28/06	5,540	NA	ND	NA	ND
		11/15/06	3,040	19.2	ND	ND	ND
	-46.4[5]	6/26/07	2,620	15.8	ND	ND	ND
		8/9/07	2,410	20.8	ND	ND	ND
MW-50-42	-27.1	3/22/06	9,750	19.3	ND	ND	ND
		5/19/06	4,590	19.5	ND	NA	ND
		6/7/06	479	3.9	ND	NA	ND
		7/3/06	398	3.5	ND	NA	ND
		8/1/06	1,410	NA	ND	ND	ND
		8/28/06	311	NA	ND	NA	ND
		11/15/06	1,700	11.3	7.2	ND	ND
	-12.1[5]	6/26/07	215	11.6	ND	ND	ND
		7/26/07	ND	19.4	ND	ND	ND
50-66	-52.1	3/22/06	6,810	25.5	ND	ND	ND
		5/19/06	10,800	19.5	ND	NA	ND
		6/7/06	10,500	19.8	ND	NA	ND
		7/3/06	8,620	25.3	ND	NA	ND
		8/1/06	7,930	NA	ND	ND	ND
		8/28/06	6,770	NA	ND	NA	ND
		11/15/06	5,050	21.5	ND	ND	ND
	-45.1[5]	6/26/07	4,210	29.3	ND	ND	ND
		7/26/07	4,500	31.0	ND	ND	ND

TABLE 5.1
GROUNDWATER ANALYTICAL DATA
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

Well ID	SAMPLE ZONE [1] CENTER ELEVATION, FT	SAMPLE COLLECTION DATE	ANALYSIS RESULTS				
			H-3 pCi/L	Sr-90 pCi/L	Cs-137 pCi/L	Ni-63 pCi/L	Co-60 pCi/L
MW-51-40	27.8	5/30/07	198	ND	ND	NA	ND
		7/24/07	223	ND	ND	NA	ND
51-79	-11.2	5/30/07	ND	ND	ND	NA	ND
		7/24/07	ND	ND	ND	NA	ND
51-104	-34.7	5/30/07	ND	ND	ND	NA	ND
		7/24/07	ND	ND	ND	NA	ND
51-135	-67.7	5/30/07	ND	ND	ND	NA	ND
		7/24/07	ND	ND	ND	NA	ND
51-163	-95.2	5/30/07	ND	ND	ND	NA	ND
		7/24/07	ND	ND	ND	NA	ND
51-189	-121.7	5/30/07	187	ND	ND	NA	ND
		7/24/07	ND	ND	ND	NA	ND
MW-52-11	5.2	6/20/07	ND	ND	ND	ND	ND
		8/6/07	ND	ND	ND	NA	ND
52-18	-1.5	5/24/07	ND	ND	ND	ND	ND
		8/6/07	ND	ND	ND	NA	ND
52-48	-32.0	5/24/07	ND	ND	ND	ND	ND
		8/6/07	ND	ND	ND	NA	ND
52-64	-48.0	5/24/07	ND	ND	ND	ND	ND
		8/6/07	ND	ND	ND	NA	ND
52-122	-106.0	5/24/07	ND	ND	ND	ND	ND
		8/6/07	ND	ND	ND	NA	ND
52-162	-145.5	5/24/07	282	ND	ND	ND	ND
		8/6/07	211	ND	ND	NA	ND
52-181	-165.0	5/24/07	248	ND	ND	ND	ND
		8/6/07	ND	ND	ND	NA	ND

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TABLE 5.1
GROUNDWATER ANALYTICAL DATA
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

Well ID	SAMPLE ZONE [1] CENTER ELEVATION, FT	SAMPLE COLLECTION DATE	ANALYSIS RESULTS H-3 pCi/L	Sr-90 pCi/L	Cs-137 pCi/L	Ni-63 pCi/L	Co-60 pCi/L
MW-53-82	-2.4	8/23/06	13,200	6.7	ND	ND	ND
		11/9/06	454	ND	ND	ND	ND
	-4.7[5]	6/22/07	8,680	4.0	ND	ND	ND
		8/9/07	776	ND	ND	ND	ND
53-120	-39.5	8/30/06	4,420	NA	ND	NA	ND
		11/9/06	7,900	24.7	ND	27.1	ND
	-34.7[5]	6/22/07	9,610	35.7	7.9	17.3	ND
		8/9/07	8,050	37.0	ND	ND	ND
MW-54-37	-23.7	5/3/07	801	12.5	ND	ND	ND
		7/31/07	888	5.3	ND	ND	ND
54-58	-44.7	5/3/07	760	2.2	ND	ND	ND
		7/31/07	693	1.8	ND	ND	ND
54-123	-110.2	5/3/07	1,110	21.9	4.21	ND	ND
		7/31/07	963	13.5	ND	ND	ND
54-144	-131.2	5/3/07	1,340	16.1	ND	ND	ND
		7/31/07	1,890	19.2	ND	ND	ND
54-173	-159.7	5/3/07	1,900	20.9	ND	ND	ND
		7/31/07	2,080	14.5	ND	ND	ND
54-190	-177.2	5/3/07	1,870	19.5	ND	ND	ND
		7/31/07	2,250	17.9	ND	ND	ND
MW-55-24	-0.8	11/9/06	2,000	16.6	ND	ND	ND
	2.3[5]	6/28/07	3,080	32.5	ND	NA	ND
		8/2/07	2,710	23.1	ND	ND	ND
55-35	-14.2	11/9/06	9,040	40.4	ND	ND	ND
	-13.8[5]	6/28/07	3,090	32.5	ND	NA	ND
		8/2/07	3,680	34.0	ND	ND	ND
55-54	-30.8	11/9/06	13,100	22.8	ND	ND	ND
	-28.8[5]	6/28/07	10,400	24.7	ND	NA	ND
		8/2/07	9,910	22.2	ND	ND	ND
MW-56-53	17.8	1/4/07	780	ND	13.6	ND	ND
	18.3[5]	6/26/07	289	ND	ND	ND	ND
		8/10/07	216	ND	ND	NA	ND
56-83	-5.5	9/8/06	540	2.7	ND	NA	ND
		11/9/06	165	ND	ND	ND	ND
		1/4/07	1,280	2.3	11.8	ND	ND
	-3.7[5]	6/22/07	1,850	1.9	ND	ND	ND
		8/10/07	1,490	2.4	ND	NA	ND

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TABLE 5.1
GROUNDWATER ANALYTICAL DATA
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

Well ID	SAMPLE ZONE [1] CENTER ELEVATION, FT	SAMPLE COLLECTION DATE	ANALYSIS RESULTS				
			H-3 pCi/L	Sr-90 pCi/L	Cs-137 pCi/L	Ni-63 pCi/L	Co-60 pCi/L
MW-57-11	5.0[5]	6/22/07	4,610	45.5	ND	22.4	ND
		8/6/07	4,090	37.9	ND	ND	ND
57-20	-4.0[5]	6/22/07	1,650	2.0	ND	ND	ND
		8/6/07	966	1.2	ND	ND	ND
57-45	-25.0[5]	8/24/06	4,060	18.8	ND	ND	ND
		6/22/07	955	1.9	ND	ND	ND
		8/6/07	740	2.6	ND	ND	ND
MW-58-26	-7.0	11/16/06	ND	ND	72.7	ND	ND
		1/5/07	260	ND	ND	ND	ND
	-5.4[5]	6/21/07	597	1.0	ND	ND	ND
		7/31/07	856	1.0	ND	NA	ND
58-65	-43.0	11/16/06	ND	ND	ND	ND	ND
		1/5/07	550	ND	ND	ND	ND
	-39.4[5]	6/21/07	315	ND	ND	ND	ND
		7/31/07	342	ND	ND	NA	ND
MW-59-32	-11.7	11/16/06	ND	ND	ND	ND	ND
		1/5/07	ND	ND	ND	ND	ND
	-12.5[5]	6/21/07	467	ND	ND	ND	ND
		7/31/07	169	ND	ND	NA	ND
59-45	-25.9	11/16/06	ND	ND	37.4	ND	ND
		1/5/07	ND	ND	149	ND	ND
	-27.5[5]	6/21/07	754	ND	ND	ND	ND
		7/31/07	249	ND	ND	NA	ND
59-68	-46.1	11/16/06	ND	ND	115	ND	ND
		1/5/07	ND	ND	67.6	ND	ND
	-43.5[5]	6/21/07	590	ND	ND	ND	ND
		7/31/07	819	ND	ND	NA	ND
MW-60-35	-22.7	5/8/07	ND	ND	ND	ND	ND
		7/27/07	761	ND	ND	NA	ND
60-53	-41.7	5/8/07	ND	ND	ND	ND	ND
		7/27/07	ND	ND	ND	NA	ND
60-72	-60.2	5/8/07	ND	ND	ND	ND	ND
		7/27/07	ND	ND	ND	NA	ND
60-135	-122.7	5/8/07	ND	ND	ND	ND	ND
		7/27/07	392	ND	ND	NA	ND
60-154	-142.2	5/8/07	ND	ND	ND	ND	ND
		7/27/07	462	ND	ND	NA	ND
60-176	-163.7	5/8/07	530	ND	ND	ND	ND
		7/27/07	849	ND	ND	NA	ND

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TABLE 5.1
GROUNDWATER ANALYTICAL DATA
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

Well ID	SAMPLE ZONE [1] CENTER ELEVATION, FT	SAMPLE COLLECTION DATE	ANALYSIS RESULTS				
			H-3 pCi/L	Sr-90 pCi/L	Cs-137 pCi/L	Ni-63 pCi/L	Co-60 pCi/L
MW-62-18	-1.8	5/17/07	452	ND	ND	ND	ND
		7/26/07	508	ND	ND	NA	ND
62-37	-33.5	5/17/07	297	ND	ND	ND	ND
		7/26/07	250	ND	ND	NA	ND
62-53	-40.5	5/10/07	393	ND	ND	ND	ND
		7/26/07	345	ND	ND	NA	ND
62-71	-58.5	5/10/07	502	ND	ND	ND	ND
		7/26/07	ND	ND	ND	NA	ND
62-92	-79.0	5/10/07	700	ND	ND	ND	ND
		7/26/07	437	ND	ND	NA	ND
62-138	-125.5	5/10/07	455	0.8	ND	ND	ND
		7/26/07	538	ND	ND	NA	ND
62-182	-169.5	5/10/07	541	ND	ND	ND	ND
		7/26/07	417	ND	ND	NA	ND
MW-63-18	0.6	5/18/07	230	ND	ND	ND	ND
		7/30/07	200	ND	ND	NA	ND
63-34	-30.6	5/18/07	228	ND	ND	ND	ND
		7/30/07	280	ND	ND	NA	ND
63-50	-37.4	5/15/07	326	ND	ND	ND	ND
		7/25/07	225	ND	ND	NA	ND
63-93	-80.9	5/15/07	281	ND	ND	ND	ND
		7/25/07	237	ND	ND	NA	ND
63-112	-99.4	5/15/07	424	ND	ND	ND	ND
		7/25/07	269	ND	ND	NA	ND
63-121	-108.9	5/15/07	311	ND	ND	ND	ND
		7/25/07	296	ND	ND	NA	ND
63-163	-150.4	5/15/07	578	ND	ND	ND	ND
		7/25/07	479	ND	ND	NA	ND
63-174	-161.9	5/15/07	593	ND	ND	ND	ND
		7/25/07	528	ND	ND	NA	ND

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GROUNDWATER ANALYTICAL DATA
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

Well ID	SAMPLE ZONE [1] CENTER ELEVATION, FT	SAMPLE COLLECTION DATE	ANALYSIS RESULTS				
			H-3 pCi/L	Sr-90 pCi/L	Cs-137 pCi/L	Ni-63 pCi/L	Co-60 pCi/L
MW-65-48	26.4	1/4/07	208	ND	ND	ND	ND
65-80	-1.7	9/8/06	ND	ND	ND	NA	ND
		1/4/07	183	ND	ND	ND	ND
MW-66-21	0.0	7/30/07	3,570	1.8	ND	NA	ND
66-36	-19.5	7/30/07	9,100	6.2	ND	NA	ND
MW-67-39	-29.5	8/31/07	4,860	18.6	ND	NA	ND
67-105	-88.5	8/31/07	1,860	1.1	ND	NA	ND
67-173	-164.5	8/31/07	1,050	ND	ND	NA	ND
67-219	-207.5	8/31/07	1,250	ND	ND	NA	ND
67-276	-254.0	8/31/07	679	ND	ND	NA	ND
67-323	-311.0	8/31/07	313	ND	ND	NA	ND
67-340	-329.5	8/31/07	369	ND	ND	NA	ND
MW-101	124.4	12/8/05	ND	ND	ND	NA	ND
		6/8/06	ND	ND	ND	NA	ND
MW-103	125.1	6/8/06	170	ND	ND	NA	ND
MW-105	123.7	12/8/05	ND	ND	ND	NA	ND
		6/8/06	ND	ND	ND	NA	ND
MW-107	111.0	9/28/05	ND	NA	ND	NA	ND
		12/8/05	ND	ND	ND	NA	ND
		4/18/06	ND	ND	ND	NA	ND
		6/6/06	ND	ND	ND	NA	ND
	110.1[5]	7/23/07	ND	ND	ND	NA	ND
MW-108	6.2	9/29/05	ND	NA	ND	NA	ND
		11/3/05	ND	NA	ND	NA	ND
		5/13/06	278	ND	ND	NA	ND
MW-109	6.1	9/29/05	ND	NA	ND	NA	ND
		11/4/05	ND	NA	ND	NA	ND
		5/13/06	339	ND	ND	NA	ND
MW-110	113.6	6/8/06	225	ND	ND	NA	ND

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TABLE 5.1
GROUNDWATER ANALYTICAL DATA
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

Well ID	SAMPLE ZONE [1] CENTER ELEVATION, FT	SAMPLE COLLECTION DATE	ANALYSIS RESULTS				
			H-3 pCi/L	Sr-90 pCi/L	Cs-137 pCi/L	Ni-63 pCi/L	Co-60 pCi/L
MW-111	4.8	9/29/05	212,000	NA	ND	NA	ND
		10/14/05	6,810	NA	NA	NA	NA
		10/21/05	284,000	NA	NA	NA	NA
		10/28/05	218,000	NA	NA	NA	NA
		11/4/05	302,000	NA	NA	NA	NA
		11/22/05	180,000	NA	NA	NA	NA
		12/2/05	125,000	NA	NA	NA	NA
		12/8/05	271,000	NA	NA	NA	NA
		12/15/05	296,000	NA	NA	NA	NA
		12/19/05	192,000	NA	NA	NA	NA
		12/29/05	212,000	NA	NA	NA	NA
		1/6/06	113,000	NA	NA	NA	NA
		1/13/06	199,000	NA	NA	NA	NA
		1/20/06	119,000	NA	NA	NA	NA
		1/27/06	5,780	NA	NA	NA	NA
		2/3/06	295,000	NA	NA	NA	NA
		2/7/06	238,000	1.2	NA	NA	NA
		2/16/06	294,000	NA	NA	NA	NA
		3/3/06	236,000	NA	NA	NA	NA
		4/7/06	145,000	NA	NA	NA	NA
		5/17/06	43,100	2.5	ND	NA	ND
		6/23/06	262,000	ND	ND	NA	ND
		9/21/06	159,000	ND	ND	NA	ND
	2.4[5]	6/15/07	119,000	1.0	ND	ND	ND
		8/3/07	98,800	1.0	ND	NA	ND
MW-112	120.8	6/8/06	ND	ND	ND	NA	ND
RW-1	-30.0	10/25/06 11:37	64,100	ND	ND	NA	ND
		10/25/06 14:15	29,500	ND	ND	NA	ND
		10/31/06 12:27	107,000	ND	ND	NA	ND
		10/31/06 15:55	26,300	ND	ND	NA	ND
		10/31/06 20:00	18,900	ND	ND	NA	ND
		11/1/06 12:00	18,400	ND	ND	NA	ND
		11/2/06 12:00	24,000	ND	ND	NA	ND
		11/3/06 9:00	30,600	ND	ND	NA	ND
I2	48.0	5/13/06	ND	ND	ND	NA	NA

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TABLE 5.1
GROUNDWATER ANALYTICAL DATA
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

Well ID	SAMPLE ZONE [1] CENTER ELEVATION, FT	SAMPLE COLLECTION DATE	ANALYSIS RESULTS				
			H-3 pCi/L	Sr-90 pCi/L	Cs-137 pCi/L	Ni-63 pCi/L	Co-60 pCi/L
U3-1	-0.7	10/6/05	417	NA	ND	NA	ND
		10/21/05	ND	NA	ND	NA	ND
		10/28/05	ND	NA	ND	NA	ND
		11/4/05	ND	NA	ND	NA	ND
		11/10/05	ND	NA	ND	NA	ND
		11/18/05	ND	NA	ND	NA	ND
		12/2/05	ND	NA	ND	NA	ND
		12/15/05	ND	NA	ND	NA	ND
		12/30/05	ND	NA	ND	NA	ND
		1/12/06	744	NA	ND	NA	ND
		2/15/06	ND	NA	NA	NA	NA
		3/16/06	763	ND	ND	NA	ND
		6/22/06	755	ND	ND	NA	ND
U3-2	2.4	10/6/05	960	NA	ND	NA	ND
		10/21/05	ND	NA	ND	NA	ND
		10/28/05	ND	NA	ND	NA	ND
		11/4/05	ND	NA	ND	NA	ND
		11/10/05	ND	NA	ND	NA	ND
		11/18/05	ND	NA	ND	NA	ND
		12/2/05	ND	NA	ND	NA	ND
		12/15/05	ND	NA	ND	NA	ND
		12/28/05	ND	NA	ND	NA	ND
		1/12/06	ND	NA	ND	NA	ND
		2/15/06	ND	NA	NA	NA	NA
		3/16/06	282	ND	ND	NA	ND
		6/22/06	197	1.4	ND	NA	ND
U3-3	4.2	10/6/05	439	NA	ND	NA	ND
		10/21/05	ND	NA	ND	NA	ND
		10/28/05	ND	NA	ND	NA	ND
		11/4/05	ND	NA	ND	NA	ND
		11/10/05	471	NA	ND	NA	ND
		11/18/05	ND	NA	ND	NA	ND
		12/2/05	ND	NA	ND	NA	ND
		12/15/05	ND	NA	ND	NA	ND
		12/30/05	ND	NA	ND	NA	ND
		1/13/06	ND	NA	ND	NA	ND
		2/15/06	ND	NA	NA	NA	NA
		3/16/06	263	ND	ND	NA	ND
		6/22/06	179	ND	ND	NA	ND

TABLE 5.1
GROUNDWATER ANALYTICAL DATA
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

Well ID	SAMPLE ZONE [1] CENTER ELEVATION, FT	SAMPLE COLLECTION DATE	ANALYSIS RESULTS				
			H-3 pCi/L	Sr-90 pCi/L	Cs-137 pCi/L	Ni-63 pCi/L	Co-60 pCi/L
U3-4D	-14.7	10/16/05	ND	NA	ND	NA	ND
		10/21/05	ND	NA	ND	NA	ND
		10/28/05	ND	NA	ND	NA	ND
		11/4/05	ND	NA	ND	NA	ND
		11/10/05	ND	NA	ND	NA	ND
		11/18/05	ND	NA	ND	NA	ND
		11/22/05	ND	NA	NA	NA	NA
		12/2/05	ND	NA	ND	NA	ND
		12/15/05	ND	NA	ND	NA	ND
		12/30/05	ND	NA	ND	NA	ND
		1/12/06	573	NA	ND	NA	ND
		2/15/06	ND	NA	NA	NA	NA
		4/26/06	575	ND	ND	NA	ND
		6/22/06	710	ND	ND	NA	ND
U3-T1	3.2	10/7/05	1,590	NA	ND	NA	ND
		10/21/05	ND	NA	ND	NA	ND
		10/28/05	ND	NA	ND	NA	ND
		11/4/05	ND	NA	ND	NA	ND
		11/10/05	563	NA	ND	NA	ND
		11/18/05	ND	NA	ND	NA	ND
		12/2/05	498	NA	ND	NA	ND
		12/15/05	ND	NA	ND	NA	ND
		12/30/05	529	NA	ND	NA	ND
		1/12/06	787	NA	ND	NA	ND
		2/15/06	ND	NA	NA	NA	NA
		3/16/06	1,260	ND	ND	NA	ND
		5/26/06	732	1.3	ND	NA	ND
		7/12/06	684	ND	ND	NA	ND
		8/15/06	766	ND	ND	NA	ND
	2.5[5]	6/12/07	506	ND	ND	ND	ND
		8/1/07	490	ND	ND	NA	ND

See Page 21 for Notes

TABLE 5.1
GROUNDWATER ANALYTICAL DATA
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

Well ID	SAMPLE ZONE [1] CENTER ELEVATION, FT	SAMPLE COLLECTION DATE	ANALYSIS RESULTS				
			H-3 pCi/L	Sr-90 pCi/L	Cs-137 pCi/L	Ni-63 pCi/L	Co-60 pCi/L
U3-T2	2.9	10/7/05	703	NA	ND	NA	ND
		10/21/05	1,470	NA	ND	NA	ND
		10/28/05	1,280	NA	ND	NA	ND
		11/4/05	1,190	NA	ND	NA	ND
		11/10/05	1,640	NA	ND	NA	ND
		11/18/05	1,130	NA	ND	NA	ND
		12/2/05	1,330	NA	ND	NA	ND
		12/15/05	1,290	NA	ND	NA	ND
		12/30/05	1,690	NA	ND	NA	ND
		1/6/06	2,420	NA	ND	NA	ND
		1/13/06	1,780	NA	ND	NA	ND
		1/20/06	1,750	NA	ND	NA	ND
		1/25/06	2,320	NA	ND	NA	ND
		2/1/06	2,130	NA	ND	NA	ND
		2/17/06	ND	NA	NA	NA	NA
		3/16/06	1,690	ND	ND	NA	ND
		5/26/06	1,900	1.5	ND	NA	ND
		7/12/06	1,830	ND	ND	NA	ND
		8/15/06	1,580	NA	ND	NA	ND
	2.5[5]	6/12/07	1,450	ND	ND	ND	ND
		8/1/07	1,250	ND	ND	NA	ND
U1-CSS	6.1	1/30/07	1,760	19.5	ND	ND	ND
		2/27/07	4,320	13.8	ND	ND	ND
		6/13/07	1,530	14.5	ND	ND	ND
		8/6/07	2,800	26.8	ND	NA	ND
LAF-1	38.3	12/6/05	ND	NA	ND	NA	ND
		6/6/06	ND	ND	ND	ND	ND
		9/19/06	ND	ND	ND	NA	ND
		12/4/06	ND	ND	ND	ND	ND
		3/7/07	ND	ND	ND	ND	ND
		6/7/07	ND	1.1	ND	NA	ND
		9/10/07	ND	ND	ND	NA	ND
LAF-2	-22.3	6/6/06	ND	ND	ND	ND	ND
		9/19/06	ND	ND	ND	NA	ND
		12/4/06	ND	ND	NA	ND	ND
		3/7/07	ND	ND	ND	NA	ND
		6/7/07	ND	ND	ND	NA	ND

See Page 21 for Notes

TABLE 5.1
GROUNDWATER ANALYTICAL DATA
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

Well ID	SAMPLE ZONE [1] CENTER ELEVATION, FT	SAMPLE COLLECTION DATE	ANALYSIS RESULTS				
			H-3 pCi/L	Sr-90 pCi/L	Cs-137 pCi/L	Ni-63 pCi/L	Co-60 pCi/L
LAF-3	46.5	12/6/05	ND	NA	ND	NA	ND
		6/6/06	ND	ND	ND	ND	ND
		9/19/06	ND	ND	ND	NA	ND
		12/4/06	ND	ND	ND	ND	ND
		3/7/07	ND	ND	ND	NA	ND
		6/7/07	ND	ND	ND	NA	ND
		9/10/07	ND	ND	ND	NA	ND

well screen in unconsolidated deposit {soil backfill/natural soil}
well screen in consolidated {bedrock}

NOTES:
All elevations are above NGVD29.
1. Either the center of the screen/sampling ports (wells) or the midpoint of submerged part (open holes).
2. ND: Not detected above laboratory minimum detection limits
3. NA: Not Analyzed
4. Sampling port location changed since Feb. 07
5. Samples were taken using the low-flow sampling method at given elevations.
6. Suffix of Well ID displayed is representative of sampling depth within the screened well MW42-49.
7. This table contains data for completed well installations only.

TABLE 6.1
GROUND WATER ELEVATIONS
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

WELL ID	RECENT GW EL. 6/1/2007			WET SEASON GW EL. 3/28/2007			DRY SEASON GW EL. 2/12/2007		
	Avg. of the day[1]	at High Tide[2]	at Low Tide[3]	Avg. of the day	at High Tide[4]	at Low Tide[5]	Avg. of the day	at High Tide[6]	at Low Tide[7]
MW-30-69	11.8	-	-	12.5	-	-	11.8	-	-
MW-30-84	12.8	-	-	13.2	-	-	11.7	-	-
MW-31-49	44.1	-	-	48.0	-	-	39.1	-	-
MW-31-63	41.6	-	-	45.6	-	-	38.1	-	-
MW-31-85	39.6	-	-	43.6	-	-	36.9	-	-
MW-32-62	42.8	-	-	46.6	-	-	38.4	-	-
MW-32-92	10.3	-	-	11.0	-	-	10.3	-	-
MW-32-140	13.1	-	-	13.1	-	-	12.4	-	-
MW-32-165	8.2	-	-	8.3	-	-	7.6	-	-
MW-32-196	6.7	-	-	7.0	-	-	6.3	-	-
MW-33	10.1	-	-	10.7	-	-	9.1	-	-
MW-34	9.9	-	-	10.8	-	-	9.1	-	-
MW-35	10.0	-	-	11.2	-	-	9.4	-	-
MW-36-24	8.9	-	-	7.1	-	-	7.0	-	-
MW-36-41	8.4	8.5	8.2	7.2	7.2	7.2	7.1	7.2	7.1
MW-36-52	7.5	7.4	7.4	6.7	6.7	6.7	6.6	6.7	6.5
MW-37-22	5.4	5.48	5.51	4.9	5.1	4.7	4.1	4.2	3.9
MW-37-32	5.6	5.52	5.51	5.0	5.0	5.0	4.2	4.3	4.1
MW-37-40	5.4	-	-	4.9	-	-	4.1	-	-
MW-37-57	7.2	7.17	7.07	6.2	6.2	6.1	5.4	5.5	5.3
MW-38	4.1	4.13	3.01	3.0	3.8	2.1	1.9	2.5	1.2

See Page 7 for Notes

TABLE 6.1
GROUND WATER ELEVATIONS
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

WELL ID	RECENT GW EL. 6/1/2007			WET SEASON GW EL. 3/28/2007			DRY SEASON GW EL. 2/12/2007		
	Avg. of the day[1]	at High Tide[2]	at Low Tide[3]	Avg. of the day	at High Tide[4]	at Low Tide[5]	Avg. of the day	at High Tide[6]	at Low Tide[7]
MW-39-67	24.9	-	-	31.1	-	-	24.1	-	-
MW-39-84	24.7	-	-	30.9	-	-	23.9	-	-
MW-39-100	25.0	-	-	31.0	-	-	24.0	-	-
MW-39-124	24.0	-	-	30.1	-	-	23.1	-	-
MW-39-183	18.6	-	-	29.8	-	-	22.8	-	-
MW-39-195	22.7	-	-	28.5	-	-	21.5	-	-
MW-40-24	59.4	-	-	62.9	-	-	58.6	-	-
MW-40-46	58.1	-	-	61.7	-	-	57.4	-	-
MW-40-81	55.0	-	-	58.6	-	-	54.3	-	-
MW-40-100	53.1	-	-	56.8	-	-	52.5	-	-
MW-40-127	52.4	-	-	56.2	-	-	51.9	-	-
MW-40-162	49.4	-	-	53.6	-	-	49.3	-	-
MW-41-13	DRY	-	-	DRY	-	-	DRY	-	-
MW-41-40	29.9	-	-	34.5	-	-	30.0	-	-
MW-41-63	25.9	-	-	31.5	-	-	27.0	-	-
MW-42-49	34.5	-	-	34.9	-	-	34	-	-
MW-42-78	35.6	-	-	36.0	-	-	35	-	-
MW-43-28	32.8			34.1			32.4		
MW-43-62	30.9	-	-	31.8	-	-	31.3	-	-
MW-44-67	33.4	-	-	37.3	-	-	33.1	-	-
MW-44-102	23.1	-	-	24.1	-	-	19.9	-	-
MW-45-42	26.4	-	-	33.1	-	-	26.3	-	-
MW-45-61	25.7	-	-	32.0	-	-	25.2	-	-

See Page 7 for Notes

TABLE 6.1
GROUND WATER ELEVATIONS
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

WELL ID	RECENT GW EL. 6/1/2007			WET SEASON GW EL. 3/28/2007			DRY SEASON GW EL. 2/12/2007		
	Avg. of the day[1]	at High Tide[2]	at Low Tide[3]	Avg. of the day	at High Tide[4]	at Low Tide[5]	Avg. of the day	at High Tide[6]	at Low Tide[7]
MW-46	12.8	-	-	14.2	-	-	11.7	-	-
MW-47-56	21.8	-	-	27.2	-	-	21.4	-	-
MW-47-80	22.3	-	-	27.2	-	-	21.4	-	-
MW-48-23	1.5	2.26	-0.08	1.4	2.7	0.1	0.2	1.0	-0.8
MW-48-37	2.0	2.42	0.64	2.1	3.0	1.1	0.7	1.1	0.1
MW-49-26	1.6	1.47	1.04	1.4	2.3	0.4	0.6	1.1	0.1
MW-49-42	1.1	1.34	0.31	1.7	2.3	1.2	0.9	1.7	0.1
MW-49-65	1.5	1.37	0.89	1.8	2.2	1.5	1.0	1.6	0.6
MW-50-42	7.2	7.34	7.24	5.9	6.1	5.7	4.8	5.1	4.8
MW-50-66	4.4	4.46	3.71	3.9	4.3	3.5	2.8	3.3	2.2
MW-51-40	50.6	-	-	53.3	-	-	51.3	-	-
MW-51-79	41.8	-	-	45.6	-	-	43.6	-	-
MW-51-102	37.8	-	-	39.7	-	-	37.7	-	-
MW-51-135	39.1	-	-	41.3	-	-	39.3	-	-
MW-51-163	35.4	-	-	37.0	-	-	35.0	-	-
MW-51-189	30.7	-	-	32.1	-	-	30.1	-	-
MW-52-11	6.0	-	-	6.4	-	-	5.7	-	-
MW-52-18	6.6	-	-	6.7	6.7	6.7	6.0	6.0	6.0
MW-52-48	7.1	7.02	7.08	7.2	7.2	7.2	6.6	6.7	6.5
MW-52-64	6.0	6.0	6.0	6.1	6.1	6.1	5.2	5.2	5.2
MW-52-118	5.4	5.27	5.34	5.5	5.5	5.5	4.9	4.9	4.9
MW-52-122	5.3	5.20	5.25	5.3	5.3	5.3	4.8	4.8	4.8
MW-52-162	1.2	1.04	0.67	0.8	1.0	0.5	0.6	0.9	0.1
MW-52-181	0.9	0.82	0.41	0.6	0.8	0.3	0.3	0.6	-0.3
MW-53-82	9.8	-	-	11.7	-	-	8.7	-	-
MW-53-120	9.9	-	-	10.9	-	-	7.9	-	-

See Page 7 for Notes

TABLE 6.1
GROUND WATER ELEVATIONS
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

WELL ID	RECENT GW EL. 6/1/2007			WET SEASON GW EL. 3/28/2007			DRY SEASON GW EL. 2/12/2007		
	Avg. of the day[1]	at High Tide[2]	at Low Tide[3]	Avg. of the day	at High Tide[4]	at Low Tide[5]	Avg. of the day	at High Tide[6]	at Low Tide[7]
MW-54-37	7.7	7.61	7.52	9.7	9.8	9.6	5.3	5.4	5.1
MW-54-58	7.0	6.99	6.86	9.0	9.1	8.9	4.7	4.8	4.5
MW-54-123	6.0	5.96	5.69	7.9	8.1	7.7	3.6	3.8	3.3
MW-54-144	9.1	9.2	8.9	11.1	11.3	10.9	6.7	7.0	6.4
MW-54-173	5.5	5.46	5.17	7.4	7.6	7.3	3.0	3.3	2.7
MW-54-190	5.4	5.36	5.08	7.3	7.5	7.2	3.0	3.2	2.9
MW-55-24	8.6	8.6	8.6	8.2	8.3	8.1	6.7	6.7	6.6
MW-55-35	8.2	8.13	8.10	8.2	8.2	8.1	6.7	6.8	6.6
MW-55-54	8.6	8.52	8.47	7.9	7.9	7.9	6.4	6.5	6.4
MW-56-53	21.0	-	-	26.0	-	-	20.3	-	-
MW-56-83	21.1	-	-	24.4	-	-	18.7	-	-
MW-57-11	9.6	9.59	9.57	11.1	11.1	11.0	7.5	7.6	7.5
MW-57-20	9.4	9.40	9.38	10.8	10.8	10.8	7.2	7.2	7.2
MW-57-45	9.2	9.11	9.08	10.4	10.4	10.4	6.8	6.8	6.8
MW-58-26	8.2	8.04	8.03	8.3	8.4	8.2	4.9	5.0	4.8
MW-58-65	6.3	6.32	6.03	7.5	7.6	7.4	4.1	4.3	3.9
MW-59-32	1.8	1.46	1.06	1.6	2.1	0.9	1.7	2.0	0.9
MW-59-45	2.0	1.9	1.1	1.9	2.9	0.8	2.0	2.7	1.0
MW-59-68	4.2	4.53	2.91	2.3	2.9	1.4	3.4	4.4	2.3

See Page 7 for Notes

TABLE 6.1
GROUND WATER ELEVATIONS
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

WELL ID	RECENT GW EL. 6/1/2007			WET SEASON GW EL. 3/28/2007			DRY SEASON GW EL. 2/12/2007		
	Avg. of the day[1]	at High Tide[2]	at Low Tide[3]	Avg. of the day	at High Tide[4]	at Low Tide[5]	Avg. of the day	at High Tide[6]	at Low Tide[7]
MW-60-35	2.6	2.55	2.19	2.9	3.1	2.5	2.2	2.5	1.7
MW-60-53	0.3	0.45	-0.63	0.4	0.9	-0.2	-0.3	1.0	-1.2
MW-60-72	1.5	1.70	0.74	1.7	2.2	0.8	1.0	1.4	0.4
MW-60-135	1.7	1.89	0.94	1.9	2.3	1.4	1.2	1.9	0.4
MW-60-154	0.9	0.94	0.08	1.0	1.4	0.5	0.3	0.7	-0.1
MW-60-176	0.2	0.93	-0.48	0.7	1.4	0.1	0.0	0.7	-0.4
MW-62-18	1.2	2.2	0.3	NA[8]			NA		
MW-62-37	1.4	2.1	0.6	1.4	1.8	0.7	-0.2	0.1	-0.7
MW-62-53	1.5	1.15	0.95	1.6	2.0	0.9	0.9	1.2	0.5
MW-62-71	1.1	1.54	0.89	1.7	2.1	1.2	1.0	1.6	0.2
MW-62-92	1.3	1.84	1.07	2.0	2.3	1.5	1.3	1.9	1.2
MW-62-138	2.1	2.19	1.40	2.3	2.6	1.8	1.6	2.0	1.2
MW-62-181	1.9	2.07	1.33	2.2	2.7	1.6	1.5	1.9	1.1
MW-63-18	1.2	2.00	0.14	NA			NA		
MW-63-34	1.3	2.03	0.51	NA			NA		
MW-63-50	1.6	1.51	0.86	1.7	2.1	1.1	1.0	1.5	0.2
MW-63-91	2.0	1.91	1.16	2.0	2.3	1.5	1.3	1.8	0.4
MW-63-112	0.7	0.80	0.03	0.9	1.4	0.2	0.2	0.6	-0.4
MW-63-121	1.7	2.39	1.41	2.4	3.0	1.4	1.7	2.1	1.1
MW-63-163	1.4	1.47	0.70	1.6	1.9	1.4	0.9	1.4	0.3
MW-63-174	1.5	1.63	0.88	1.8	2.8	2.1	1.1	1.4	0.7

See Page 7 for Notes

TABLE 6.1
GROUND WATER ELEVATIONS
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

WELL ID	RECENT GW EL. 6/1/2007			WET SEASON GW EL. 3/28/2007			DRY SEASON GW EL. 2/12/2007		
	Avg. of the day[1]	at High Tide[2]	at Low Tide[3]	Avg. of the day	at High Tide[4]	at Low Tide[5]	Avg. of the day	at High Tide[6]	at Low Tide[7]
MW-65-48	28.2	-	-	31.7	-	-	29.9	-	-
MW-65-80	28.5	-	-	32.0	-	-	30.2	-	-
MW-66-21	1.0	1.6	0.3	NA			NA		
MW-66-36	1.4	1.8	0.8	NA			NA		
MW-67-39[9]	2.0	2.7	1.3	NA			NA		
MW-67-105	2.8	3.5	2.1	NA			NA		
MW-67-173	2.3	3.0	1.7	NA			NA		
MW-67-219	2.4	3.0	1.8	NA			NA		
MW-67-276	3.3	3.9	2.7	NA			NA		
MW-67-323	2.2	2.7	1.6	NA			NA		
MW-67-340	2.6	3.1	2.0	NA			NA		
MW-107	116.8	-	-	120.6	-	-	117.4	-	-
MW-108	9.6	-	-	9.8	-	-	7.2	-	-
MW-109	9.5	-	-	9.1	-	-	4.7	-	-
MW-111	9.6	-	-	10.2	-	-	8.2	-	-
U3-1	4.5	4.54	4.20	4.3	4.5	4.1	3.5	3.5	3.5
U3-2	5.4	5.5	5.3	5.4	5.5	5.4	3.8	3.8	3.8
U3-3	8.4	7.5	7.5	8.0	-	-	4.3	4.3	4.3
U3-4D	4.2	4.23	4.25	3.9	3.9	3.9	3.6	3.6	3.6

See Page 7 for Notes

TABLE 6.1
GROUND WATER ELEVATIONS
INDIAN POINT ENERGY CENTER
BUCHANAN, NY

WELL ID	RECENT GW EL. 6/1/2007			WET SEASON GW EL. 3/28/2007			DRY SEASON GW EL. 2/12/2007		
	Avg. of the day[1]	at High Tide[2]	at Low Tide[3]	Avg. of the day	at High Tide[4]	at Low Tide[5]	Avg. of the day	at High Tide[6]	at Low Tide[7]
U3-4S	4.3	4.28	3.91	3.9	4.0	3.7	3.0	3.0	3.0
U3-T1	4.5	4.45	4.51	4.5	4.6	4.3	3.6	3.6	3.6
U3-T2	4.5	4.47	4.33	4.5	4.6	4.3	3.6	3.6	3.6
I-2	50.2	-	-	52.0	-	-	48.7	-	-

NOTES: Approximated levels from adjacent dates at the same lunar phase are given when data from specified date is unavailable.

well screen in unconsolidated deposit (soil backfill/natural soil)

well screen in consolidated rock (bedrock)

All elevations are above NGVD29.

1. Average piezometric heads of the day.
2. Piezometric heads in tidal wells at first high tide of the day in the Hudson river, at 11:44 am.
3. Piezometric heads in tidal wells at first low tide of the day in the Hudson river, at 6:29 am.
4. Piezometric heads in tidal wells at first high tide of the day in the Hudson river, at 5:26 am.
5. Piezometric heads in tidal wells at first low tide of the day in the Hudson river, at 12:21 am.
6. Piezometric heads in tidal wells at first high tideof the day in the Hudson river, at 7:45 am.
7. Piezometric heads in tidal wells at first low tide of the day in the Hudson river, at 1:55 am.
8. Data not available; transducers installed after the specified dates.
9. MW-67 Waterloo system was installed on 8/27/07. The given piezometric heads are responses to the first low tide (at 5:50 am) and the first high tide (at 11:16am) on 8/28/07.