

**Table 2-3
2006 Remediation Well Pumpage Report**

2006 BNL Groundwater Status Report

	Operable Unit 1			HFBR-Tritium Remediation Project			
	Groundwater Withdrawal (1,000 gallons per month)						
BNL Well No. Extraction Well Screen Int. elevation (ft. msl) depth (feet)	115-27 EW-1 -90 to -130 150 to 190	115-43 EW-2 -40 to -80 100 to 140	RA V Monthly Total	105-040 EW-9 -61 to -81 130 to 150	105-039 EW-10 -60 to -80 130 to 150	105-041 EW-11 -60 to -80 130 to 150	Tritium Remediation Monthly Total
January	53.38	105.16	159	0	0	0	0
February	9,184.56	15,014.87	24,199	0	0	0	0
March	402.81	-	403	0	0	0	0
April	6,986.77	13,808.44	20,795	0	0	0	0
May	27.88	56.12	84	0	0	0	0
June	9,567.64	17,923.04	27,491	0	0	0	0
July	2,088.66	2,787.37	4,876	0	0	0	0
August	9,152.10	15,430.54	24,583	0	0	0	0
September	81.48	164.91	246	0	0	0	0
October	9,065.37	18,512.26	27,578	0	0	0	0
November	336.12	688.22	1,024	0	0	0	0
December	7,394.17	15,233.59	22,628	0	0	0	0
Annual Average (K gal/month)	4,493	8,257	12,750	0	0	0	0

Notes:

Source: BNL Plant Engineering Division.

ft. msl = Elevation in feet referenced to mean sea level.

HFBR = High Flux Beam Reactor

HFBR Tritium Remediation Project placed in standby mode September 2000

Elevations rounded to nearest foot

Table 2-3, cont.
2006 Remediation Well Pumpage Report

2006 BNL Groundwater Status Report

Operable Unit III - Pump and Treat							
MIDDLE ROAD SYSTEM - Groundwater Withdrawal (1,000 gallons per month)							
BNL Well No.	113-23	113-24	113-25	113-26	113-27	106-66	MIDDLE ROAD
Extraction Well	RW-1	RW-2	RW-3	RW-4	RW-5	RW-6	
Screen Int.							
elevation (ft. msl)	-17 to -57	-99 to -129	-159 to -199	-98 to -128	-91 to -121	-124 to -154	
depth (feet)	90 to 130	170 to 200	228 to 268	150 to 180	150 to 180	188 to 218	Monthly Total
January	3245.30	4202.32	5545.14	0.00	0.00	3072.46	16,065
February	3125.00	4028.30	5341.56	0.00	0.00	2973.50	15,468
March	3355.20	4536.67	5922.13	0.00	0.00	3235.31	17,049
April	3010.28	4066.39	5302.99	0.00	0.00	2821.14	15,201
May	3337.10	4576.12	5926.70	0.00	0.00	924.35	14,764
June	3212.47	4403.73	5741.27	0.00	0.00	0.00	13,357
July	2823.43	3118.62	4951.65	0.00	0.00	659.38	11,553
August	3504.76	0.00	5393.43	0.00	0.00	3279.26	12,177
September	3263.64	2310.62	5175.01	0.00	0.00	0.00	10,749
October	2599.09	3011.37	3947.83	0.00	0.00	1573.41	11,132
November	4313.16	4390.81	5935.43	0.00	0.00	4490.85	19,130
December	3987.30	3769.90	5279.82	0.00	0.00	4076.58	17,114
Annual Average (K gal/month)	3,315	3,528	5,370	0	0	2,258	14,480

Notes:

Source: BNL Plant Engineering Division.

ft. msl = Elevation in feet referenced to mean sea level.

Elevations rounded to nearest foot

Table 2-3, cont.
2006 Remediation Well Pumpage Report

2006 BNL Groundwater Status Report

Operable Unit III - Pump and Treat								
SOUTH BOUNDARY SYSTEM - Groundwater Withdrawal (1,000 gallons per month)								
BNL Well No.	121-017	121-016	121-015	122-014	122-013	122-012	122-30	SOUTH
Extraction Well	EW-3	EW-4	EW-5	EW-6	EW-7	EW-8	EW-12	BOUNDARY
Screen Int.								
elevation (ft. msl)	-79 to -119	-88 to -108 -118 to -128	-91 to -131	-105 to -145	-115 to -155	-131 to -151 -171 to -191	-124 to -164	
depth (feet)	150 to 190	160 to 180 190 to 200	160 to 200	160 to 200	170 to 210	190 to 210 230 to 250	180 to 220	Monthly Total
January	4,067.78	4,208.23	4,308.28	4,117.41	4,370.80	4,071.28	2	25,146
February	3,841.11	4,170.14	4,299.58	2,625.99	4,151.76	2,470.91	0	21,559
March	4,074.92	4,636.95	4,688.94	4,288.66	4,492.78	4,540.89	0	26,723
April	3,887.48	3,883.12	4,182.14	4,146.44	3,962.83	4,075.03	0	24,137
May	2,995.87	4,157.62	4,266.06	4,125.20	-	-	0	15,545
June	4,044.60	3,245.86	4,355.45	4,260.50	-	-	0	15,906
July	879.79	3,815.19	2,803.16	2,890.59	1,915.07	975.19	0	13,279
August	5,627.88	4,253.67	4,578.16	4,617.14	4,336.54	4,462.39	0	27,876
September	2.02	4,547.88	4,106.59	4,061.06	3,911.77	3,873.38	0	20,503
October	75.18	2,970.43	2,893.90	3,029.42	2,774.31	405.88	0	12,149
November	-	4,394.95	4,514.51	4,549.55	4,270.93	-	0	17,730
December	-	3,709.09	3,903.17	3,891.43	3,796.61	-	0	15,300
Annual Average (K gal/month)	2,452	3,998	4,071	3,890	3,159	2,071	0	19,654

Notes:

Source: BNL Plant Engineering Division.

ft. msl = Elevation in feet referenced to mean sea level.

Elevations rounded to nearest foot

Table 2-3, cont.
2006 Remediation Well Pumpage Report

2006 BNL Groundwater Status Report

Operable Unit III - Pump and Treat (K gal/month)							
CARBON TETRACHLORIDE SYSTEM							
BNL Well No. Extraction Well Screen Int. elevation (ft. msl) depth (feet)	085-158 EW-13 +50 to +30 35 to 55	085-159 EW-14 +50 to +30 32 to 52	095-278 EW-15 -7.4 to -27.4 65 to 85	CARBON TETRACHLORIDE SYSTEM Monthly Total	SOUTH BOUNDARY Monthly Total	MIDDLE ROAD Monthly Total	OU-III Monthly Total
January	0	0	0	0	25,146	16,065	41,211
February	0	0	0	0	21,559	15,468	37,028
March	0	0	0	0	26,723	17,049	43,772
April	0	0	0	0	24,137	15,201	39,338
May	0	0	0	0	15,545	14,764	30,309
June	0	0	0	0	15,906	13,357	29,264
July	0	0	0	0	13,279	11,553	24,832
August	0	0	0	0	27,876	12,177	40,053
September	0	0	0	0	20,503	10,749	31,252
October	0	0	0	0	12,149	11,132	23,281
November	0	0	0	0	17,730	19,130	36,860
December	0	0	0	0	15,300	17,114	32,414
Annual Average (K gal/month)	0	0	0	0	19,654	14,480	34,135

Notes:

Source: BNL Plant Engineering Division.

ft. msl = Elevation in feet referenced to mean sea level.

Elevations rounded to nearest foot

Table 2-3, cont.
2006 Remediation Well Pumpage Report

2006 BNL Groundwater Status Report

Operable Unit III - Pump and Treat								
OFFSITE INDUSTRIAL PARK SYSTEM - Groundwater Withdrawal (1,000 gallons per month)								
BNL Well No.	000-231	000-233	000-235	000-237	000-239	000-241	000-243	OFFSITE INDUSTRIAL PARK
Extraction Well	UVB-1	UVB-2	UVB-3	UVB-4	UVB-5	UVB-6	UVB-7	
Screen Int.								
Influent elevation (ft. msl)	-137 to -157	-115.5 to -135.5	-123 to -143	-98 to -118	-109 to -129	-110 to -130	-123 to -143	
depth (feet)	220 to 240	195 to 215	194 to 214	170 to 190	180 to 200	190 to 210	205 to 225	
Effluent elevation (ft. msl)	-82 to -102	-60.5 to -80.5	-68 to -88	-53 to -73	-54 to -74	-58 to -78	-68 to -88	Monthly Total
depth (feet)	165 to 185	140 to 160	139 to 159	125 to 145	125 to 145	140 to 160	150 to 170	
January	529.00	214.00	2,230.00	2,299.00	2,760.00	2,778.00	2,784.00	13,594
February	972.00	42.00	1,054.00	1,939.00	1,377.00	1,742.00	1,292.00	8,418
March	294.00	893.00	1,614.00	2,509.00	1,969.00	2,212.00	1,477.00	10,968
April	1,935.00	1,216.00	1,447.00	3,117.00	2,677.00	2,685.00	2,692.00	15,769
May	849.00	1,722.00	1,443.00	2,623.00	2,165.00	2,169.00	2,161.00	13,132
June	1,609.00	1,572.00	1,022.00	2,466.00	1,662.00	1,663.00	1,671.00	11,665
July	753.00	2,658.00	998.00	3,068.00	2,607.00	2,613.00	2,626.00	15,323
August	1,656.00	2,910.00	546.00	3,594.00	1,383.00	8,042.00	1,356.00	19,487
September	638.00	65.00	240.00	2,904.00	2,498.00	2,504.00	1,264.00	10,113
October	1,384.00	0.00	2,481.00	3,007.00	2,671.00	2,724.00	439.00	12,706
November	1,308.00	0.00	1,589.00	2,721.00	1,071.00	1,147.00	1,158.00	8,994
December	1,243.00	1,996.00	2,045.00	2,556.00	0.00	989.00	2,182.00	11,011
Annual Average (K gal/month)	1,096	1,120	1,399	2,739	1,907	2,619	1,763	12,598

Notes:

Source: BNL Plant Engineering Division.

ft. msl = Elevation in feet referenced to mean sea level.

Elevations rounded to nearest foot

Table 2-3, cont.
2006 Remediation Well Pumpage Report

2006 BNL Groundwater Status Report

Operable Unit III - Pump and Treat					
BUILDING 96 SYSTEM - Groundwater Withdrawal and Reinjection (1,000 gallons per month)					
BNL Well No.	095-151	095-153	095-155	095-157	BUILDING 96
Extraction Well	RTW-1	RTW-2	RTW-3	RTW-4	
Screen Int.					
Influent elevation (ft. msl)	+34 to +24	+26 to +16	+26 to +16	+23 to +13	
depth (feet)	48 to 58	48 to 58	48 to 58	48 to 58	
Effluent elevation (ft. msl)	+57 to +47	+49 to +39	+49 to +39	+46 to +36	Monthly
depth (feet)	25 to 35	25 to 35	25 to 35	25 to 35	Total
January	517	0	0	0	517
February	0	0	0	0	0
March	181	0	0	0	181
April	1,008	0	0	0	1,008
May	1,234	0	0	0	1,234
June	0	0	0	0	0
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Annual Average (K gal/month)	247	0	0	0	247

Notes:

Source: EM Field Engineer

ft. msl = Elevation in feet referenced to mean sea level.

Elevations rounded to nearest foot

RTW-2, 3 and 4 placed offline on July 13, 2004

Annual average based on actual pumping durations

Table 2-3, cont.
2006 Remediation Well Pumpage Report

2006 BNL Groundwater Status Report

Operable Unit III - Pump and Treat			
WESTERN SOUTH BOUNDARY System (1,000 gallons per month)			
BNL Well No.	126-12	127-05	Monthly Total
Extraction Well	WSB-1	WSB-2	
Screen Int. elevation (ft. msl)	-60 to -80	-80 to -100	
depth (feet)	140 to 160	150 to 170	
January	8.00	8.00	16
February	5,612.00	6,338.00	11,950
March	219.00	246.00	465
April	732.00	820.00	1,552
May	6,215.00	6,982.00	13,197
June	4.00	4.00	8
July	1.00	4.00	5
August	6,390.00	7,160.00	13,550
September	60.00	68.00	128
October	4.00	3.00	7
November	6,204.00	6,971.00	13,175
December	212.00	219.00	431
Annual Average (K gal/month)	2,138	2,402	4,540

Notes:

Source: BNL Plant Engineering Division.

ft. msl = Elevation in feet referenced to mean sea level.

Elevations rounded to nearest foot

Table 2-3, cont.
2006 Remediation Well Pumpage Report

2006 BNL Groundwater Status Report

Operable Unit III - Pump and Treat		
Strontium 90 remediation System (1,000 gallons per month)		
BNL Well No.	106-92	Monthly Total
Extraction Well	SR-90 EW-1	
Screen Int.		
elevation (ft. msl)	+40.5 to +25.5	
depth (feet)	23.5 to 38.5	
January	747.00	747
February	167.00	167
March	267.00	267
April	196.00	196
May	251.00	251
June	215.00	215
July	159.00	159
August	252.00	252
September	294.00	294
October	327.00	327
November	238.00	238
December	279.00	279
Annual Average (K gal/month)	285	283

Notes:

Differences in averages due to rounding

Source: LTRA Project Manager

ft. msl = Elevation in feet referenced to mean sea level.

Elevations rounded to nearest foot

Table 2-3, cont.
2006 Remediation Well Pumpage Report

2006 BNL Groundwater Status Report

Operable Unit III - Pump and Treat					
LIPA SYSTEM - Groundwater Withdrawal (1,000 gallons per month)					
BNL Well No.	000-453	000-455	000-457	000-461	LIPA
Extraction Well	EW-1L	EW-2L	EW-3L	EW-4L	
Screen Int.					
elevation (ft. msl)	-111 to -131	-115 to -135	-104 to -124	-192 to -212	Monthly
depth (feet)	217 to 237	224 to 244	216 to 236	304 to 324	Total
January	6,411.000	4,710.00	4,623.00	4,343.00	20,087
February	4,342.000	4,594.00	4,411.00	4,170.00	17,517
March	4,615.000	4,941.00	4,736.00	4,541.00	18,833
April	4,042.000	4,282.00	4,098.00	3,914.00	16,336
May	2,643.000	2,627.00	2,555.00	2,421.00	10,246
June	3,687.000	3,801.00	3,727.00	3,497.00	14,712
July	2,999.000	1,129.00	342.00	0.00	4,470
August	2,698.000	4,722.00	5,569.00	6,850.00	19,839
September	2,817.000	2,952.00	2,973.00	2,583.00	11,325
October	4,370.000	4,332.00	4,420.00	4,007.00	17,129
November	3,974.000	4,357.00	4,032.00	3,690.00	16,053
December	4,402.120	4,703.51	4,670.13	4,532.46	18,308
Annual Average (K gal/month)*	3,916	3,925	3,843	3,712	17,163

Notes:

Source: BNL Plant Engineering Division.

ft. msl = Elevation in feet referenced to mean sea level.

Elevations rounded to nearest foot

* Annual average is based on actual pumping timeframe

Table 2-3, cont.
2006 Remediation Well Pumpage Report

2006 BNL Groundwater Status Report

Operable Unit III - Pump and Treat						
AIRPORT SYSTEM - Groundwater Withdrawal (1,000 gallons per month)						
BNL Well No.	800-109	800-110	800-111	800-112	800-113	AIRPORT
Extraction Well	RTW-1A	RTW-2A	RTW-3A	RTW-4A	RTW-5A	
Screen Int.						
Influent elevation (ft. msl)	-108 to -128	-109 to -129	-130 to -150	-184 to -204	-133 to -153	Monthly
depth (feet)	188 to 208	188 to 208	210 to 230	268 to 288	220 to 240	Total
Effluent elevation (ft. msl)	+25 to -15	+24 to -16	+25 to -15	+24 to -16	+22 to -18	Monthly
depth (feet)	55 to 95	55 to 95	55 to 95	60 to 100	65 to 105	Total
January	1,231	1,231	4.31	1,147.52	1,127.98	3,511
February	1,173	1,173	698.48	1,106.35	1,087.96	4,066
March	1,245	1,245	1,178.20	1,171.65	1,163.87	4,758
April	794	794	743.78	742.41	735.55	3,016
May	1,287	1,287	1,297.06	1,237.69	1,240.02	5,062
June	500	500	0.99	8.50	2.09	512
July	0	0	0.00	0.00	0.00	0
August	0	0	506.97	506.64	470.62	1,484
September	726	726	769.47	754.44	696.47	3,673
October	1,572	1,572	1,183.43	1,135.08	1,065.22	6,528
November	2,824	2,824	1,478.08	1,459.11	1,399.80	9,986
December	3,292	3,292	1,446.16	19.90	2,703.99	10,754
Annual Average (K gal/month)*	1,221	1,221	777	772	976	9,089

Notes:

Source: BNL Plant Engineering Division.

ft. msl = Elevation in feet referenced to mean sea level.

Elevations rounded to nearest foot

RTW-1A and RTW-2A flow estimated. Both wells share a common flow meter, individual well pumpage estimated at 50% of actual flow meter reading.

* Annual average is based on actual pumping timeframe

Table 2-3, cont.
2006 Remediation Well Pumpage Report

2006 BNL Groundwater Status Report

Operable Unit III - Pump and Treat			
INDUSTRIAL PARK EAST- Groundwater Withdrawal (1,000 gallons per month)			
BNL Well No. Extraction Well Screen Int. elevation (ft. msl) depth (feet)	EWI-1 -166 to -186 235 to 255	EWI-2 -225 to -245 295 to 315	INDUSTRIAL PARK EAST Monthly Total
January	4,224.00	2,898.00	7,122
February	5,203.00	3,419.00	8,622
March	4,469.00	3,077.00	7,546
April	5,449.00	3,891.00	9,340
May	3,278.00	2,392.00	5,670
June	4,395.00	2,838.00	7,233
July	5,516.00	2,454.00	7,970
August	5,446.00	0.01	5,446
September	4,913.00	3,282.00	8,195
October	1,063.00	3,366.00	4,429
November	6,942.00	1,672.00	8,614
December	1,537.00	850.00	2,387
Annual Average (K gal/month)	4,351	2,500	5,501

Notes:

Source: BNL Plant Engineering Division.

ft. msl = Elevation in feet referenced to mean sea level.

Elevations rounded to nearest foot

Table 2-3, cont.
2006 Remediation Well Pumpage Report

2006 BNL Groundwater Status Report

Operable Unit III - Pump and Treat			
NORTH STREET - Groundwater Withdrawal (1,000 gallons per month)			
BNL Well No. Extraction Well Screen Int. elevation (ft. msl) depth (feet)	000-471 NS-1 -64 to-104 165 to 205	000-473 NS-2 -96 to -126 190 to 220	NORTH STREET Monthly Total
January	3,023.00	3,028.00	6,051
February	8,333.00	8,988.00	17,321
March	741.00	789.00	1,530
April	1,505.00	1,591.00	3,096
May	5,463.00	5,767.00	11,230
June	5,809.00	6,081.00	11,890
July	9,637.00	10,110.00	19,747
August	7,277.00	7,675.00	14,952
September	6,917.00	7,433.00	14,350
October	9,937.00	10,403.00	20,340
November	9,037.00	9,418.00	18,455
December	8,978.00	9,341.00	18,319
Annual Average (K gal/month)	6,378	6,706	17,866

Notes:

Source: BNL Plant Engineering Division.

ft. msl = Elevation in feet referenced to mean sea level.

Elevations rounded to nearest foot

**Table 2-3, cont.
2006 Remediation Well Pumpage Report**

2006 BNL Groundwater Status Report

Operable Unit III - Pump and Treat			
NORTH STREET EAST- Groundwater Withdrawal (1,000 gallons per month)			
BNL Well No. Extraction Well Screen Int. elevation (ft. msl) depth (feet)	000-487 NSE-1 -71 to -101 161 to 191	000-488 NSE-2 -71 to -101 152 to 182	NORTH STREET EAST Monthly Total
January	8,537.00	4,357.00	12,894
February	7,928.00	3,940.00	11,868
March	9,086.00	4,666.00	13,752
April	1,995.00	1,042.00	3,037
May	5,239.00	2,900.00	8,139
June	7,104.00	3,800.00	10,904
July	9,434.00	4,865.00	14,299
August	9,350.00	4,885.00	14,235
September	7,305.00	3,973.00	11,278
October	935.00	507.00	1,442
November	5,689.00	3,166.00	8,855
December	239.00	134.00	373
Annual Average (K gal/month)	6,061	3,182	5,487

Notes:

Source: BNL Plant Engineering Division.

ft. msl = Elevation in feet referenced to mean sea level.

Elevations rounded to nearest foot

Table 2-3, cont.
2006 Remediation Well Pumpage Report

2006 BNL Groundwater Status Report

Operable Unit III - Pump and Treat						
BGRR/WCF - Groundwater Withdrawal (1,000 gallons per month)						
BNL Well No.	065-368	065-369	075-676	075-677	075-678	BGRR
Extraction Well	SR-1	SR-2	SR-3	SR-4	SR-5	
Screen Int.						
elevation (ft. msl)	51.5-31.5	51.5-31.5	50-30	46-6	46-6	Monthly
depth (feet)	33-53	33.5-53.5	51-71	35-75	35-75	Total
January	116	0	206	154	147	623
February	184	19	305	142	225	875
March	173	118	43	389	191	914
April	122	135	142	159	145	703
May	223	223	229	248	240	1,163
June	215	249	219	237	225	1,145
July	229	242	280	253	221	1,225
August	233	246	273	239	240	1,231
September	87	85	98	86	84	440
October	180	151	209	192	214	946
November	108	118	136	126	114	602
December	231	208	185	227	257	1,108
Annual Average (K gal/month)	175	151	193	205	192	915

Notes:

ft. msl = Elevation in feet referenced to mean sea level.

Elevations rounded to nearest foot

Table 2-3, cont.
2006 Remediation Well Pumpage Report

2006 BNL Groundwater Status Report

Operable Unit VI - Pump and Treat			
EDB SYSTEM- Groundwater Withdrawal (1,000 gallons per month)			
BNL Well No.	000-503	000-504	OU VI EDB
Extraction Well	EW-1	EW-2	
Screen Int.			
elevation (ft. msl)	-41 to -61	-45 to -65	Monthly
depth (feet)	115 to 135	115 to 135	Total
January	7,134.00	7,111.00	14,245
February	6,307.00	6,141.00	12,448
March	7,027.00	6,871.00	13,898
April	6,935.00	6,815.00	13,750
May	6,694.00	6,683.00	13,377
June	6,765.00	6,770.00	13,535
July	6,986.00	6,931.00	13,917
August	7,120.00	6,941.00	14,061
September	6,169.00	5,815.00	11,984
October	1,503.00	7,142.00	8,645
November	4,516.00	7,010.00	11,526
December	8,128.00	6,545.00	14,673
Annual Average (K gal/month)	6,275	6,738	13,005

Notes:

Source: BNL Plant Engineering Division.

ft. msl = Elevation in feet referenced to mean sea level.

Elevations rounded to nearest foot

Flow per well estimated, average combined flow 155 gallons per minute