

**Table 2-2  
2015 Remediation Well Pumpage Report**

2015 BNL Groundwater Status Report

BNL Well No. Extraction Well Screen Int. elevation (ft. msl) depth (feet)	Operable Unit 1			HFBR-Tritium Remediation Project				
	Groundwater Withdrawal (1,000 gallons per month)							
	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	096-119 EW-16 -14 to -54 80 to 120	Tritium Remediation  Monthly Total
January	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0
Annual Average (K gal/month)	0	0	0	0	0	0	0	0

Notes:

Source: BNL Facilities and Operations Directorate.

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

HFBR = High Flux Beam Reactor

Elevations rounded to nearest foot

Table 2-2, cont.  
2015 Remediation Well Pumpage Report

2015 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	113-33	MIDDLE
Extraction Well	RW-1	RW-2	RW-3	RW-4	RW-5	RW-6	RW-7	ROAD
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	202 to 222	Monthly Total
January	3,560.65	5,446.59	4,961.00	0.00	0.00	0.00	8,977.26	22,945.50
February	2,083.64	5,890.70	2,294.20	0.00	0.00	0.00	6,641.14	16,909.68
March	2,901.75	4,948.33	3,988.18	0.00	0.00	0.00	2,487.39	14,325.65
April	4,770.82	5,254.91	3,775.60	2.00	2.00	0.00	4,523.03	18,328.36
May	4,225.45	0.00	5,663.04	0.00	0.00	0.00	1,982.32	11,870.81
June	4,054.03	0.00	2,650.63	0.00	0.00	0.00	6,622.61	13,327.27
July	3,961.58	0.00	2,873.45	0.00	0.00	0.00	3,843.13	10,678.16
August	4,591.66	4,294.66	4,799.58	0.00	0.00	0.00	5,058.90	18,744.80
September	4,844.72	3,861.04	5,283.97	0.00	0.00	0.00	5,018.46	19,008.19
October	5,996.12	3,511.01	4,025.86	0.00	0.00	0.00	4,770.80	18,303.79
November	0.00	6,196.69	5,089.45	0.00	0.00	0.00	4,109.77	15,395.91
December	0.00	3,789.10	5,111.48	0.00	0.00	0.00	5,373.34	14,273.92
Annual Average (K gal/month)	3,426.80	3,578.08	4,225.55	0.16	0.16	0.00	4,935.49	16,166.26

Notes:

Source: BNL Facilities and Operations Directorate.

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

Elevations rounded to nearest foot

Table 2-2, cont.  
2015 Remediation Well Pumpage Report

2015 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	121-46	SOUTH
Extraction Well	EW-3	EW-4	EW-5	EW-6	EW-7	EW-8	EW-17	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		
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	207 to 237	Monthly Total
January	4625.74	4740.95	4686.90	0.00	0.00	0.00	7060.42	21114.01
February	3023.21	3117.54	2623.72	0.00	0.00	0.00	4472.45	13236.92
March	3241.56	1331.21	2907.58	0.00	0.00	0.00	5731.93	13212.28
April	3242.35	0.00	4474.06	0.00	0.00	0.00	5861.37	13577.78
May	0.00	4282.38	4631.98	0.00	0.00	0.00	0.00	8914.36
June	2393.45	4976.89	4651.65	0.00	0.00	0.00	6410.12	18432.11
July	3823.42	5466.43	4390.25	0.00	0.00	0.00	6047.87	19727.97
August	3617.78	6797.96	5451.07	0.00	0.00	0.00	7358.16	23224.97
September	5044.91	6739.96	5813.85	0.00	0.00	0.00	7322.27	24920.99
October	0.00	4000.18	0.00	0.00	0.00	0.00	6271.80	10271.98
November	0.00	3698.47	0.00	0.00	0.00	0.00	6474.60	10173.07
December	0.00	4652.87	0.00	0.00	0.00	0.00	8553.60	13206.47
Annual								
Average (K gal/month)	2409.96	4162.14	3303.43	0.00	0.00	0.00	5969.91	15834.41

Notes:

Source: BNL Facilities and Operations Directorate.

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

Elevations rounded to nearest foot

Table 2-2, cont.  
2015 Remediation Well Pumpage Report

2015 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	000-532	000-533	OFFSITE
Extraction Well	UVB-1	UVB-2	UVB-3	UVB-4	UVB-5	UVB-6	UVB-7	IP-EW-8	IP-EW-9	INDUSTRIAL
Screen Int.										PARK
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	-155 to -175	-148 to -168	
depth (feet)	220 to 240	195 to 215	194 to 214	170 to 190	180 to 200	190 to 210	205 to 225	230 to 250	220 to 240	
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			
depth (feet)	165 to 185	140 to 160	139 to 159	125 to 145	125 to 145	140 to 160	150 to 170			Monthly Total
January	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,723.00	1,702.00	3,425.00
February	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,587.20	3,609.40	7,196.60
March	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4,922.80	4,984.60	9,907.40
April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4,724.00	4,727.00	9,451.00
May	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,700.00	1,701.00	3,401.00
June	0.00	0.00	4.00	5.00	6.00	7.00	0.00	1,294.00	1,274.00	2,590.00
July	0.00	0.00	1,672.00	1,672.00	1,672.00	1,742.00	0.00	4,589.00	4,522.00	15,869.00
August	0.00	0.00	3,353.00	3,127.00	381.00	3,313.00	0.00	5,067.00	4,955.00	20,196.00
September	0.00	0.00	1,292.00	2,736.00	2,887.00	343.00	0.00	4,438.00	4,404.00	16,100.00
October	0.00	0.00	1,967.00	2,185.00	2,240.00	2,103.00	0.00	4,710.50	4,501.40	17,706.90
November	0.00	0.00	254.00	1,653.00	2,051.00	2,653.00	0.00	4,699.50	4,336.90	15,647.40
December	0.00	0.00	1,840.00	2,785.00	2,131.00	3,425.00	0.00	4,234.30	4,383.80	18,799.10
Annual Average (K gal/month)	0	0	1,038	1,416	1,137	1,359	0	4,569	4,510	2,338

Notes:

Source: BNL Facilities and Operations Directorate.

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

Elevations rounded to nearest foot

**Table 2-2, cont.**  
**2015 Remediation Well Pumpage Report**

2015 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
Extraction Well	RTW-1	RTW-2	RTW-3	RTW-4	96
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	911.00	897.62	1,196.83	0.20	3,006
February	976.34	898.18	1,115.23	0.11	2,990
March	255.68	819.92	1,093.22	0.39	2,169
April	114.80	793.07	1,057.22	0.11	1,965
May	527.30	861.30	741.66	0.06	2,130
June	934.60	820.81	1,193.79	0.11	2,949
July	543.90	821.34	1,318.27	0.39	2,684
August	913.53	924.53	1,519.55	0.00	3,358
September	909.63	692.08	1,114.78	0.00	2,716
October	1,153.90	928.47	1,306.85	0.31	3,390
November	695.70	654.57	1,154.94	0.06	2,505
December	591.20	549.24	1,380.16	0.17	2,521
Annual Average (K gal/month)	709	805	1,184	0	2,698

Notes:

Source: EM Field Engineer

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

Elevations rounded to nearest foot

Annual average based on actual pumping durations

\*Well RTW-4 put in stand-by mode in October 2012

**Table 2-2, cont.**  
**2015 Remediation Well Pumpage Report**

2015 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	5067.00	5307.00	10374.00
February	2412.00	1.00	2413.00
March	6813.00	0.00	6813.00
April	8228.00	7819.00	16047.00
May	7286.00	0.00	7286.00
June	7763.00	0.00	7763.00
July	6065.00	4298.00	10363.00
August	7796.00	414.00	8210.00
September	8000.00	0.00	8000.00
October	7768.00	4999.00	12767.00
November	8241.00	0.00	8241.00
December	7814.00	0.00	7814.00
Annual Average (K gal/month)	6962.67	1918.24	8840.92

Notes:

Source: BNL Facilities and Operations Directorate.

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

Elevations rounded to nearest foot

**Table 2-2, cont.**  
**2015 Remediation Well Pumpage Report**

2015 BNL Groundwater Status Report

Operable Unit III - Pump and Treat				
Chem Holes Strontium-90 remediation System (1,000 gallons per month)				
BNL Well No.	106-92	106-123	106-124	Monthly  Total
Extraction Well	SR-90 EW-1	SR-90 EW-2	SR-90 EW-3	
Screen Int. elevation (ft. msl)	+40.5 to +25.5			
depth (feet)	23.5 to 38.5	35 to 45	35 to 45	
January	0.00	0.00	0.00	0.00
February	0.00	0.00	0.00	0.00
March	206.52	333.29	206.52	746.33
April	2.00	0.00	0.00	2.00
May	5.00	0.00	0.00	5.00
June	250.03	360.00	250.00	860.03
July	0.00	0.00	0.00	0.00
August	0.00	0.00	0.00	0.00
September	129.25	375.00	300.00	804.25
October	280.00	5.00	13.00	298.00
November	283.00	73.00	1.00	357.00
December	315.00	444.00	221.00	980.00
Annual Average (K gal/month)	245.00	397.57	247.81	4,052.61

Notes:

Differences in averages due to rounding

Source: Groundwater Protection Group Field Engineer

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

Elevations rounded to nearest foot

**Table 2-2, cont.**  
**2015 Remediation Well Pumpage Report**

2015 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	1.00	2.00	1.00	5422.00	5426.00
February	0.00	0.00	0.00	3391.00	3391.00
March	1.00	1.00	1.00	5044.00	5047.00
April	1.00	1.00	1.00	5631.00	5634.00
May	0.00	0.00	0.00	803.00	803.00
June	0.00	0.00	0.00	0.00	0.00
July	1.00	1.00	1528.00	1261.00	2791.00
August	0.00	0.00	0.00	0.00	0.00
September	0.00	88.00	300.00	5400.00	5788.00
October	0.00	0.00	0.00	4536.00	4536.00
November	0.00	0.00	0.00	2910.00	2910.00
December	0.00	0.00	0.00	5619.00	5619.00
Annual Average (K gal/month)*	0.34	7.65	154.68	3332.64	3495.42

Notes:

Source: BNL Facilities and Operations Directorate.

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

Elevations rounded to nearest foot

\* Annual average is based on actual pumping timeframe



**Table 2-2, cont.**  
**2015 Remediation Well Pumpage Report**

2015 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	800-132	Airport
Extraction Well	RTW-1A	RTW-2A	RTW-3A	RTW-4A	RTW-5A	RTW-6A	
Screen Int.							
Influent							
depth (feet)	-108 to -128	-109 to -129	-130 to -150	-184 to -204	-133 to -153		Monthly
Effluent							
elevation (ft. msl)	188 to 208	188 to 208	210 to 230	268 to 288	220 to 240	165 to 185	Total
depth (feet)	+25 to -15	+24 to -16	+25 to -15	+24 to -16	+22 to -18		Monthly
	55 to 95	55 to 95	55 to 95	60 to 100	65 to 105		Total
January	3766.00	0.44	0.67	5994.35	0.79	5649.66	15411.91
February	4007.84	300.00	791.89	2927.35	0.00	6461.76	14488.84
March	4002.20	300.00	285.56	3680.18	286.66	6453.30	15007.90
April	2487.00	1000.00	1001.87	214.29	1010.94	5230.50	10944.60
May	2941.32	0.00	0.00	5077.33	0.00	4411.98	12430.63
June	3080.00	500.00	3992.94	9483.45	337.66	5370.00	22764.05
July	3052.92	600.00	0.00	4873.69	752.83	5479.38	14758.82
August	3628.08	0.00	0.00	5637.25	0.00	5442.12	14707.45
September	2027.20	1000.00	1009.10	6184.29	1000.00	4540.80	15761.39
October	3612.84	900.00	990.00	6100.00	907.67	6769.26	19279.77
November	2046.48	700.00	1420.50	5818.99	754.83	4119.72	14860.52
December	3055.28	500.00	390.10	5815.37	709.67	5332.92	15803.34
Annual Average (K gal/month)*	3143.17	481.41	812.50	5165.81	480.79	5436.87	15518.27

Notes:

Source: BNL Facilities and Operations Directorate.

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 2-2, cont.**  
**2015 Remediation Well Pumpage Report**

2015 BNL Groundwater Status Report

Operable Unit III - Pump and Treat			
NORTH STREET - Groundwater Withdrawal (1,000 gallons per month)			
BNL Well No.	000-471	000-473	NORTH STREET
Extraction Well	NS-1	NS-2	
Screen Int.			
elevation (ft. msl)	-64 to -104	-96 to -126	Monthly
depth (feet)	165 to 205	190 to 220	Total
January	8,736.00	8,242.00	16,978
February	991.00	1,574.00	2,565
March	0.00	9,581.00	9,581
April	2,856.00	4,460.00	7,316
May	7,390.00	7,344.00	14,734
June	2,810.00	7,854.00	10,664
July	0.00	0.00	0
August	2,350.00	0.00	2,350
September	8,510.00	0.00	8,510
October	8,711.00	0.00	8,711
November	7,457.00	0.00	7,457
December	9,640.00		9,640
Annual Average (K gal/month)	4,981.85	3,270.33	8,209

Notes:

Source: BNL Facilities and Operations Directorate.

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

Elevations rounded to nearest foot

**Table 2-2, cont.**  
**2015 Remediation Well Pumpage Report**

2015 BNL Groundwater Status Report

Operable Unit III - Pump and Treat			
NORTH STREET EAST- Groundwater Withdrawal (1,000 gallons per month)			
BNL Well No.	000-487	000-488	NORTH
Extraction Well	NSE-1	NSE-2	STREET
Screen Int.			EAST
elevation (ft. msl)	-71 to -101	-71 to -101	Monthly
depth (feet)	161 to 191	152 to 182	Total
January	147.00	1,078.00	1,225.00
February	0.00	0.00	0.00
March	0.00	0.00	0.00
April	1.00	6.00	7.00
May	0.00	0.00	0.00
June	0.00	0.00	0.00
July	2.00	6.00	8.00
August	0.00	0.00	0.00
September	0.00	0.00	0.00
October	0.00	0.00	0.00
November	0.00	0.00	0.00
December	0.00	0.00	0.00
Annual Average (K gal/month)	12.74	92.56	0.00

Notes:

Source: BNL Facilities and Operations Directorate.

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

Elevations rounded to nearest foot

**Table 2-2, cont.**  
**2015 Remediation Well Pumpage Report**

2015 BNL Groundwater Status Report

Operable Unit III - Pump and Treat										
BGRR/WCF Strontium-90 - Groundwater Withdrawal (1,000 gallons per month)										
BNL Well No.	065-368	065-369	075-676	075-677	075-678	065-403	075-702	075-703	075-704	BGRR
Extraction Well	SR-1	SR-2	SR-3	SR-4	SR-5	SR-6	SR-7	SR-8	SR-9	
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	85-105	82-102	77-97	67-87	Total
January	54.52	54.53	97.6	97.61	50.32	58.55	101.89	113.91	131.55	760
February	196.72	196.72	196.72	0.97	0.27	5	246.95	393.04	292.34	1,529
March	59.15	218.16	198.8	232.11	239.93	18.66	317.11	495.11	321.49	2,101
April	226.14	226.14	263.13	1.82	1.51	2.95	315.34	413.21	375.42	1,826
May	142.82	142.83	226.82	189.44	172.68	199.57	292.79	381.55	367.24	2,116
June	129.66	129.66	143.74	0.22	0.13	0.09	206.53	188.69	229.9	1,029
July	96.94	190.02	178.24	123.65	119.42	273.71	280.56	176.72	23.83	1,463
August	110.72	255.01	258.63	0.08	0.07	0	398.8	280.127	267.66	1,571
September	174.9	199.45	156.8	165.81	257.55	289.39	295.76	301.3	354.74	2,196
October	165.49	234.58	186.79	6.34	15.51	13.77	425.48	473.08	328.05	1,849
November	83.35	152.67	137.76	70.33	166.99	162.52	256.83	267.62	207.03	1,505
December	135.79	163.91	197.25	0	0	0	397.61	353.27	309.3	1,557
Annual Average (K gal/month)	131	180	187	75	86	86	295	319	267	1,625

Notes:

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

Elevations rounded to nearest foot

**Table 2-2, cont.**  
**2015 Remediation Well Pumpage Report**

2015 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-1E	EW-2E	
Screen Int.			
elevation (ft. msl)	-41 to -61	-45 to -65	Monthly
depth (feet)	115 to 135	115 to 135	Total
January	7,197.40	7,154.10	14,351.50
February	7,256.80	8,200.40	15,457.20
March	7,903.00	6,667.30	14,570.30
April	5,884.80	8,239.40	14,124.20
May	5,738.30	8,585.10	14,323.40
June	5,594.20	7,730.00	13,324.20
July	5,088.90	7,011.30	12,100.20
August	7,768.90	8,110.40	15,879.30
September	6,754.90	8,680.70	15,435.60
October	7,106.40	8,125.10	15,231.50
November	9,411.30	8,806.80	18,218.10
December	7,063.90	7,606.90	14,670.80
Annual Average (K gal/month)	6,894	7,902	14,807

Notes:

Source: BNL Facilities and Operations Directorate.

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

**Table 2-2, cont.**  
**2015 Remediation Well Pumpage Report**

2015 BNL Groundwater Status Report

Operable Unit III - Pump and Treat		
BUILDING 452 FREON SYSTEM- Groundwater Withdrawal (1,000 gallons per month)		
BNL Well No.	085-839	Building 452 Freon
Extraction Well	EW-18	
Screen Int. elevation (ft. msl)		Monthly
depth (feet)	55-65	Total
January	2998	2998
February	0	0
March	1593	1593
April	0	0
May	3568	3568
June	0	0
July	1628	1628
August	0	0
September	2783	2783
October	138	138
November	3249	3249
December	0	0
Annual Average (K gal/month)	1,339	1,339

Notes:

Source: BNL Facilities and Operations Directorate.

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

Elevations rounded to nearest foot