

**Table 2-3
2002 Remediation Well Pumpage Report**

2002 BNL Groundwater Status Report

	Operable Unit 1			HFBR-Tritium Remediation Project			
	Groundwater Withdrawal (cfd)			Groundwater Withdrawal (cfd)			
BNL Well No.	115-027	115-043	RA V	105-040	105-039	105-041	Tritium Remediation
Extraction Well	EW-1	EW-2		EW-9	EW-10	EW-11	
Screen Int.							
elevation (ft. msl)	-90 to -130	-40 to -80		-61 to -81	-60 to -80	-60 to -80	
depth (feet)	150 to 190	100 to 140	Monthly Total	130 to 150	130 to 150	130 to 150	Monthly Total
January	53,968	107,932	161,900	0	0	0	0
February	53,692	107,384	161,076	0	0	0	0
March	46,758	93,520	140,279	0	0	0	0
April	57,073	114,146	171,218	0	0	0	0
May	52,549	105,095	157,644	0	0	0	0
June	60,045	120,094	180,139	0	0	0	0
July	5,287	10,569	15,856	0	0	0	0
August	24,075	48,155	72,231	0	0	0	0
September	43,464	86,928	130,392	0	0	0	0
October	57,327	114,651	171,978	0	0	0	0
November	56,676	113,352	170,029	0	0	0	0
December	43,847	87,699	131,546	0	0	0	0
Annual Average (cfd)	45,954	91,909	137,863	0	0	0	0

Notes:

Source: BNL Plant Engineering Division.

cfd = cubic feet per day.

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

HFBR = High Flux Beam Reactor

1 CFD = 0.005195 GPM.

HFBR Tritium Remediation Project placed in standby mode September 2000

Elevations rounded to nearest foot

Table 2-3, cont.
2002 Remediation Well Pumpage Report

2002 BNL Groundwater Status Report

Operable Unit III - Pump and Treat							
MIDDLE ROAD SYSTEM - Groundwater Withdrawal (cfd)							
BNL Well No.	113-23	113-24	113-25	113-26	113-27	106-66	MIDDLE
Extraction Well	RW-1	RW-2	RW-3	RW-4	RW-5	RW-6	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	Monthly Total
January	15,588	18,785	25,824	24,176	18,691	15,394	118,458
February	6,160	19,851	20,259	20,491	11,599	18,724	97,084
March	12,691	16,022	21,952	20,764	15,961	12,603	99,993
April	16,231	20,566	27,722	27,310	21,380	16,138	129,348
May	13,912	18,010	23,945	23,501	18,499	13,685	111,551
June	1,965	774	3,428	3,401	2,656	1,940	14,164
July	14,591	15,843	24,306	24,700	18,764	13,760	111,965
August	14,599	21,948	24,348	24,500	19,494	13,232	118,121
September	13,864	18,238	23,335	22,956	18,371	12,610	109,373
October	13,329	17,074	23,104	22,635	17,946	13,149	107,237
November	13,401	18,843	24,626	24,751	19,564	14,737	115,922
December	11,976	16,785	21,041	21,111	16,472	12,194	99,579
Annual Average (cfd)	12,387	16,850	21,969	21,665	16,625	13,119	102,733

Notes:

Source: BNL Plant Engineering Division.

cfd = cubic feet per day.

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

1 CFD = 0.005195 GPM.

Elevations rounded to nearest foot

Table 2-3, cont.
2002 Remediation Well Pumpage Report

2002 BNL Groundwater Status Report

Operable Unit III - Pump and Treat								
	SOUTH BOUNDARY SYSTEM - Groundwater Withdrawal (cfd)							
BNL Well No.	121-017	121-016	121-015	122-014	122-013	122-012	122-30	SOUTH BOUNDARY
Extraction Well	EW-3	EW-4	EW-5	EW-6	EW-7	EW-8	EW-12	
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	
January	19,703	19,429	18,536	19,378	18,969	12,513	24,195	132,722
February	17,946	17,453	17,244	17,576	16,802	9,547	21,273	117,842
March	16,623	16,132	16,108	16,071	15,499	9,674	18,594	108,702
April	22,285	21,603	19,826	21,384	20,618	8,582	21,961	136,259
May	23,139	20,361	18,676	19,960	19,203	3,318	24,538	129,195
June	21,121	18,360	17,866	16,252	17,320	18,598	14,894	124,411
July	21,598	19,048	18,396	18,556	17,719	19,831	22,940	138,089
August	21,324	18,607	17,941	18,135	17,101	19,389	22,727	135,225
September	19,265	18,104	17,515	16,219	16,751	18,611	21,878	128,343
October	21,175	17,391	17,396	14,061	16,595	18,107	20,969	125,694
November	20,759	17,258	19,220	13,020	18,064	19,775	21,789	129,885
December	18,250	14,537	16,237	7,076	15,264	16,503	18,133	106,000
Annual Average (cfd)	20,223	18,140	17,862	16,417	17,442	14,518	21,110	126,031

Notes:

Source: BNL Plant Engineering Division.

cfd = cubic feet per day.

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

1 CFD = 0.005195 GPM.

Elevations rounded to nearest foot

Table 2-3, cont.
2002 Remediation Well Pumpage Report

2002 BNL Groundwater Status Report

Operable Unit III - Pump and Treat -Groundwater Withdrawal (cfd)							
	CARBON TETRACHLORIDE SYSTEM						
BNL Well No.	085-158	085-159	095-278	CARBON	SOUTH	MIDDLE	OU-III
Extraction Well	EW-13	EW-14	EW-15	TETRACHLORIDE	BOUNDARY	ROAD	
Screen Int.				SYSTEM			
elevation (ft. msl)	+50 to +30	+50 to +30	-7.4 to -27.4				
depth (feet)	35 to 55	32 to 52	65 to 85	Monthly	Monthly	Monthly	Monthly
				Total	Total	Total	Total
January	4,864	0	9,729	14,593	132,722	118,458	265,773
February	4,044	0	6,388	10,432	117,842	97,084	225,358
March	4,054	9	9,004	13,058	108,702	99,993	221,753
April	4,425	0	9,843	14,268	136,259	129,348	279,875
May	4,204	0	9,504	13,709	129,195	111,551	254,455
June	4,233	0	9,460	13,693	124,411	14,164	152,268
July	4,079	0	9,207	13,286	138,089	111,965	263,340
August	4,049	0	9,034	13,083	135,225	118,121	266,429
September	4,117	0	9,719	13,836	128,343	109,373	251,552
October	1,889	0	9,582	11,471	125,694	107,237	244,402
November	4	9	9,937	9,941	129,885	115,922	255,749
December	4	0	9,892	9,897	106,000	99,579	215,476
Annual Average (cfd)	3,317	1	9,268	12,606	126,031	102,733	241,369

Notes:

Source: BNL Plant Engineering Division.

cfd = cubic feet per day.

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

1 CFD = 0.005195 GPM.

Elevations rounded to nearest foot

**Table 2-3, cont.
2002 Remediation Well Pumpage Report**

2002 BNL Groundwater Status Report

Operable Unit III - Pump and Treat								
OFFSITE INDUSTRIAL PARK SYSTEM - Groundwater Withdrawal and ReInjection (cfd)								
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
depth (feet)	165 to 185	140 to 160	139 to 159	125 to 145	125 to 145	140 to 160	150 to 170	Total
January	11,589	11,606	10,664	11,513	11,507	11,556	11,221	79,655
February	7,033	11,584	11,449	11,495	11,543	11,605	11,495	76,205
March	385	11,643	10,606	11,457	11,550	11,550	11,656	68,847
April	0	11,483	9,500	11,434	11,461	11,474	11,483	66,836
May	423	11,113	10,052	11,445	11,471	11,484	11,505	67,492
June	4,683	11,710	9,634	10,654	10,681	10,686	10,703	68,752
July	8,656	8,594	7,830	4,819	8,135	8,458	8,569	55,061
August	9,008	9,155	6,585	9,116	9,120	9,146	6,236	58,367
September	9,162	9,313	8,377	9,260	7,633	9,300	495	53,539
October	11,290	11,083	8,469	11,031	10,341	11,061	11,039	74,314
November	11,260	11,211	9,701	11,162	11,180	11,189	11,207	76,911
December	11,070	11,238	9,780	11,190	11,195	7,154	11,238	72,865
Annual Average (cfd)	7,036	10,774	9,346	10,341	10,450	10,347	9,710	68,237

Notes:

Source: BNL Plant Engineering Division.

cfd = cubic feet per day.

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

1 CFD = 0.005195 GPM.

Elevations rounded to nearest foot

Table 2-3, cont.
2002 Remediation Well Pumpage Report

2002 BNL Groundwater Status Report

Operable Unit III - Pump and Treat					
BUILDING 96 SYSTEM - Groundwater Withdrawal and ReInjection (cfd)					
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	5,109	3,276	3,297	3,268	14,950
February	6,208	3,994	3,962	3,980	18,144
March	5,607	3,607	3,579	3,595	16,388
April	5,599	3,653	3,606	3,640	16,498
May	6,138	4,115	4,022	4,170	18,445
June	5,435	3,644	3,544	3,687	16,310
July	5,178	3,380	3,390	3,470	15,418
August	6,065	4,122	3,955	4,100	18,241
September	5,249	3,596	3,421	3,416	15,682
October	6,050	3,858	3,959	3,695	17,562
November	5,910	3,933	3,438	3,787	17,068
December	4,939	3,291	3,256	3,205	14,692
Annual					
Average (cfd)	5,605	3,693	3,608	3,656	16,617

Notes:

Source: BNL Plant Engineering Division.

cfd = cubic feet per day.

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

1 CFD = 0.005195 GPM.

Elevations rounded to nearest foot

**Table 2-3, cont.
2002 Remediation Well Pumpage Report**

2002 BNL Groundwater Status Report

Operable Unit III - Pump and Treat			
WESTERN SOUTH BOUNDARY - Groundwater Withdrawal (cfd)			
BNL Well No.	126-12	127-05	
Extraction Well	WSB-1	WSB-2	WSB
Screen Int. elevation (ft. msl)	-60 to -80	-80 to -100	Monthly
depth (feet)	140 to 160	150 to 170	Total
January			0
February			0
March			0
April			0
May	30,736	30,736	61,472
June	26,585	26,585	53,170
July	28,348	28,348	56,696
August	26,624	26,624	53,248
September	24,820	24,820	49,640
October	26,738	26,738	53,475
November	25,157	25,157	50,313
December	23,803	23,803	47,605
Annual Average (cfd)	26,614	26,614	53,202

Notes:

Source: BNL Plant Engineering Division.

cfd = cubic feet per day.

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

1 CFD = 0.005195 GPM.

Western South Boundary System began operation May 12, 2002.

Elevations rounded to nearest foot