

**Table 2-3
2001 Remediation Well Pumpage Report**

2001 BNL Groundwater Status Report

	Operable Unit 1			HFBR-Tritium Remediation Project			
	Groundwater Withdrawal (cfd)			Groundwater Withdrawal (cfd)			
BNL Well No. Extraction Well Screen Int. (ft. msl)	115-027 EW-1 -90 to -130	115-043 EW-2 -40 to -80	RA V Monthly Average	105-040 EW-9 -61 to -81	105-039 EW-10 -60 to -80	105-041 EW-11 -60 to -80	T.R. Monthly Average
January	54,563	109,127	163,690	0	0	0	0
February	43,446	86,897	130,343	0	0	0	0
March	34,692	69,385	104,077	0	0	0	0
April	52,777	105,559	158,336	0	0	0	0
May	57,185	114,370	171,555	0	0	0	0
June	41,053	82,111	123,165	0	0	0	0
July	50,553	101,101	151,654	0	0	0	0
August	49,552	99,109	148,662	0	0	0	0
September	55,170	110,340	165,510	0	0	0	0
October	53,649	107,302	160,952	0	0	0	0
November	54,738	109,476	164,213	0	0	0	0
December	54,749	109,497	164,246	0	0	0	0
Annual Average (cfd)	50,206	100,413	150,619	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.

Table 2-3, cont.
2001 Remediation Well Pumpage Report

2001 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. (ft. msl)	-90 to -130	-170 to -200	-228 to -268	-150 to -180	-150 to -180	-188 to -218	Monthly Average
January	NI	NI	NI	NI	NI	NI	
February	NI	NI	NI	NI	NI	NI	
March	NI	NI	NI	NI	NI	NI	
April	NI	NI	NI	NI	NI	NI	
May	NI	NI	NI	NI	NI	NI	
June	NI	NI	NI	NI	NI	NI	
July	NI	NI	NI	NI	NI	NI	
August	NI	NI	NI	NI	NI	NI	
September	NI	NI	NI	NI	NI	NI	
October	4,748	6,022	8,085	8,794	6,405	4,202	38,256
November	10,277	13,202	17,674	17,595	13,421	9,870	82,039
December	15,684	19,601	25,522	26,312	22,740	11,191	121,049
Annual Average (cfd)	10,236	12,939	17,087	17,567	14,197	8,405	80,448

Notes:

Source: BNL Plant Engineering Division.

cfd = cubic feet per day.

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

Middle Road system startup date October 23, 2001.

October values are the total volume pumped averaged over the entire month.

NI=Not in service.

1 CFD = 0.005195 GPM.

Table 2-3, cont.
2001 Remediation Well Pumpage Report

2001 BNL Groundwater Status Report

Operable Unit III - Pump and Treat									
SOUTH BOUNDARY SYSTEM - Groundwater Withdrawal (cfd)								SOUTH BOUNDARY	
BNL Well No.	121-017	121-016	121-015	122-014	122-013	122-012	122-30		Monthly Average
Extraction Well	EW-3	EW-4	EW-5	EW-6	EW-7	EW-8	EW-12		
Screen Int. (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		
January	20,382	21,292	20,375	21,988	21,240	20,444	3,898	129,620	
February	19,332	19,874	19,292	20,667	19,589	19,464	19,826	138,044	
March	19,349	19,200	12,817	19,583	19,122	18,798	16,863	125,732	
April	20,245	20,193	19,691	20,326	19,533	19,559	19,644	139,191	
May	19,855	19,710	19,197	18,543	16,854	18,561	19,951	132,673	
June	18,609	18,360	17,641	18,972	17,903	16,911	18,406	126,802	
July	20,231	20,423	20,226	21,196	19,250	18,334	17,339	136,999	
August	16,803	16,453	10,594	17,211	16,518	15,900	8,231	101,710	
September	20,221	20,397	17,532	21,040	19,797	18,553	13,944	131,485	
October	16,955	19,250	19,250	14,235	16,366	14,663	10,218	110,936	
November	13,654	12,841	12,841	12,935	12,490	1,932	8,956	75,649	
December	20,309	19,526	19,458	19,887	18,980	4,723	24,063	126,945	
Annual Average (cfd)	18,833	18,966	17,405	18,878	18,137	15,648	15,085	122,982	

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.

Table 2-3, cont.
2001 Remediation Well Pumpage Report

2001 BNL Groundwater Status Report

Operable Unit III - Pump and Treat -Groundwater Withdrawal (cfd)							
	CARBON TETRACHLORIDE SYSTEM						
BNL Well No. Extraction Well Screen Int. (ft. msl)	085-158 EW-13 +50 to +30	085-159 EW-14 +50 to +30	095-278 EW-15 -7.4 to -27.4	MONTHLY AVERAGE CARBON TET SYSTEM	SOUTH BOUNDARY MONTHLY AVERAGE	MIDDLE ROAD MONTHLY AVERAGE	OU-III MONTHLY AVERAGE
January	9,108	9,108	NI	18,215	129,620		147,835
February	4,431	7,930	NI	12,361	138,044		150,405
March	2,971	9,750	NI	12,721	125,732		138,454
April	3,846	10,031	NI	13,876	139,191		153,067
May	4,355	10,173	NI	14,528	132,673		147,201
June	5,334	9,563	NI	14,896	126,802		141,698
July	6,421	10,375	NI	16,796	136,999		153,795
August	5,395	9,060	NI	14,455	101,710		116,165
September	5,249	10,213	NI	15,462	131,485		146,947
October	4,774	9,103	NI	13,877	110,936	38,256	163,069
November	5,557	10,071	NI	15,627	75,649	82,039	173,315
December	5,007	5,985	3,359	14,351	126,945	121,049	262,345
Annual Average (cfd)	5,210	9,280	3,359	14,764	122,982	80,448	218,194

Notes:

Source: BNL Plant Engineering Division.

cfd = cubic feet per day.

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

EW-15 online December 20, 2001, result is total pumpage averaged over the entire month

NI = Not in service.

1 CFD = 0.005195 GPM.

Table 2-3, cont.
2001 Remediation Well Pumpage Report

2001 BNL Groundwater Status Report

Operable Unit III - Pump and Treat								
OFFSITE INDUSTRIAL PARK SYSTEM - Groundwater Withdrawal (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	INDUSTRIAL PARK
Screen Int. (ft. msl)	-82 to -102 -137 to -157	-60.5 to -80.5 -115.5 to -135.5	-68 to -88 -123 to -143	-53 to -73 -98 to -118	-54 to -74 -109 to -129	-58 to -78 -110 to -130	-68 to -88 -123 to -143	Monthly Average
January	11,811	9,560	11,177	11,975	13,528	11,975	8,327	78,354
February	9,773	8,909	67	10,737	6,173	11,468	8,451	55,578
March	9,414	8,620	11,053	10,479	7,784	11,121	8,193	66,664
April	11,603	13,212	10,833	11,563	11,416	11,479	11,626	81,732
May	11,581	11,569	10,867	11,469	11,382	11,625	11,494	79,987
June	10,421	10,434	10,316	10,836	10,860	10,751	11,250	74,868
July	7,849	7,880	7,259	7,830	7,893	7,849	7,886	54,447
August	124	124	118	124	124	126	126	867
September	11,518	11,563	10,729	11,454	11,447	11,531	11,601	79,843
October	11,562	11,488	10,867	11,525	11,513	11,569	11,649	80,173
November	10,797	11,051	45	10,975	10,449	0	11,091	54,408
December	9,483	8,185	10,043	10,832	4,321	9,310	6,412	58,587
Annual Average (cfd)	9,645	9,362	7,821	9,966	8,899	9,061	8,986	63,792

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.

Table 2-3, cont.
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2001 BNL Groundwater Status Report

Operable Unit III - Pump and Treat					
BUILDING 96 SYSTEM - Groundwater Withdrawal (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.	25 to 35	25 to 35	25 to 35	25 to 35	Monthly
(depth)	48 to 58	48 to 58	48 to 58	48 to 58	Average
January	267	152	173	168	760
February	3,476	1,432	2,255	2,067	9,230
March	4,289	2,190	2,782	2,544	11,805
April	940	561	610	571	2,681
May	4,657	3,105	3,105	3,105	13,972
June	2,875	3,593	3,593	3,593	13,655
July	2,782	3,130	3,477	3,304	12,693
August	2,285	2,571	2,856	2,714	10,426
September	2,333	2,677	2,987	2,906	10,903
October	2,741	3,141	3,510	3,441	12,833
November	1,108	2,103	2,332	2,317	7,861
December	2,898	3,157	3,472	3,472	13,000
Annual Average (cfd)	2,557	2,323	2,600	2,521	9,985

Notes:

Source: BNL Plant Engineering Division.

cfd = cubic feet per day.

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

Building 96 pumpage based on flowmeter readings and pumpage estimates based on start up flow rates.

January rates based on 20 days of pumping, all other months based on calendar days.

1 CFD = 0.005195 GPM.