

Table 3.2.10-2
OU III LIPA/Airport 2011 Extraction Well Pumping Rates

2011 BNL Groundwater Status Report

Operable Unit III - Pump and Treat					
LIPA SYSTEM - Groundwater Withdrawal (gpm)					
BNL Well No. Extraction Well Screen Int. elevation (ft. msl) depth (feet)	000-453 EW-1L -111 to -131 217 to 237	000-455 EW-2L -115 to -135 224 to 244	000-457 EW-3L -104 to -124 216 to 236	000-461 EW-4L -192 to -212 304 to 324	LIPA Monthly Total
January	0	0	0	118	118
February	0	0	0	83	83
March	0	0	0	123	123
April	0	0	0	76	76
May	0	0	0	105	105
June	0	0	0	30	30
July	0	0	0	92	92
August	0	0	0	82	82
September	0	0	0	38	38
October	0	0	0	75	75
November	0	0	0	98	98
December	0	0	0	134	134
Annual Average (gpm)*	0	0	0	88	88

Notes:

Source: BNL Facility and Operations

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

Elevations rounded to nearest foot

* Annual average is based on actual pumping timeframe

gpm - gallons per minute

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Operable Unit III - Pump and Treat							
AIRPORT SYSTEM - Groundwater Withdrawal (gpm)							
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							
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	165 to 185	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	105	41	13	10	14	145	328
February	105	18	268	0	45	145	582
March	110	34	11	0	18	140	313
April	100	34	16	0	16	150	316
May	90	20	18	28	41	140	337
June	85	15	50	129	28	110	417
July	80	6	8	94	8	100	296
August	85	11	16	123	17	105	357
September	110	6	18	168	17	140	459
October	90	28	35	163	32	110	458
November	80	6	19	117	18	110	350
December	90	5	20	141	20	110	386
Annual Average (gpm)*	94	19	39	82	23	125	383

Notes:

Source: BNL Facility and Operations

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.

gpm - gallons per minute