Delaware River Flow and Storage Data - December 2004 Summary

DAY	Delaware @ Montague (CFS)		Lehigh River @			Delaware @ Trenton (CFS)		Schuylkill River @		Max Temp Degrees C	[a] Salt Front River Mile	New York City Delaware River Basin Storage	
	8:00 AM	MEAN	Lehighton FLOW (CFS)	Bethl FLOW (CFS)	Easton MIN DO (MG/L)	8:00 AM	MEAN	Philadelphia (CFS)	Pottstown (CFS)	Vincent Dam		BG	%CAP
1-Dec	16,200	18,700	6,220	13,600		43,300	47,300	14,500	9,230		69	267.816	98.9%
2-Dec	29,600	26,800	5,620	11,200		47,800	48,800	15,400	10,200		68	272.350	100.6%
3-Dec	20,400	19,400	5,790	11,000		50,700	48,100	11,100	7,710		67	273.779	101.1%
4-Dec	16,200	15,700	4,430	8,310		39,700	38,000	8,540	5,970		65	274.292	101.3%
5-Dec	14,100	13,600	4,050	6,960		32,500	31,700	7,080	5,060		63	274.243	101.3%
6-Dec	12,300	12,100	3,450	5,980		28,600	28,100	5,860	3,980		62	273.617	101.0%
7-Dec	11,100	11,000	2,530	4,430		25,100	25,100	5,750	3,700		63	273.337	100.9%
8-Dec	12,300	12,400	2,690	4,570		25,200	25,200	7,280	4,080		63	274.080	101.2%
9-Dec	13,100	12,700	2,660	4,320		25,300	25,500	5,790	3,580		64	274.256	101.3%
10-Dec	12,500	13,500	3,170	5,610		30,800	30,100	11,000	5,200		64	274.173	101.2%
11-Dec	23,200	22,600	3,970	7,770		32,600	34,400	12,800	7,490		64	276.013	101.9%
12-Dec	23,400	22,800	3,590	6,640		42,400	41,800	10,300	6,700		64	277.010	102.3%
13-Dec	19,400	19,000	3,450	5,910		38,400	38,000	8,180	5,550		63	276.718	102.2%
14-Dec	16,600	16,200	3,250	5,720		33,900	33,300	6,950	4,900		62	276.255	102.0%
15-Dec	14,100	13,600	2,370	4,430		29,900	29,000	5,990	4,270		60	275.328	101.7%
16-Dec	12,200	12,000	2,210	3,800		25,100	24,600	5,310	3,850		58	274.359	101.3%
17-Dec	11,100	10,800	2,010	3,530		22,500	22,000	4,890	3,540		<54	273.586	101.0%
18-Dec	9,940	9,250	1,870	3,320		20,500	20,100	4,470	3,060		<54	273.199	100.9%
19-Dec	8,900	8,460	1,810	3,210		18,400	17,900	4,100	2,900		<54	272.765	100.7%
20-Dec	8,080	7,990	1,640	3,000		16,900	16,600	3,920	2,710		<54	272.204	100.5%
21-Dec	6,830	6,640	1,390	2,610		15,800	15,000	3,470	2,400		<54	271.739	100.3%
22-Dec	6,430	6,230	1,230	2,540		13,600	13,000	3,200	2,220		56	271.267	100.2%
23-Dec	6,040	6,580	2,230	3,440		12,600	13,300	3,980	3,040		60	270.636	99.9%
24-Dec	16,300	15,800	4,250	8,140		22,000	25,300	10,600	6,450		61	273.678	101.0%
25-Dec	16,400	15,600	4,500	7,190		32,500	33,200	7,340	4,810		62	274.261	101.3%
26-Dec	12,600	12,500	4,080	6,180		30,500	29,800	5,550	3,960		63	273.717	101.1%
27-Dec	11,400	11,000	3,440	5,500		25,600	25,100	4,850	3,610		63	273.096	100.8%
28-Dec	11,100	10,300	2,490	4,250		22,500	21,500	4,610	3,650		65	272.379	100.6%
29-Dec	9,390	8,930	2,080	3,680		20,000	19,100	4,380	3,210		65	272.056	100.5%
30-Dec	8,360	8,510	1,960	3,370		17,800	17,500	4,010	2,890		65	271.783	100.3%
31-Dec	7,930	7,990	1,750	3,120		16,800	16,800	3,670	2,580		65	271.146	100.1%
December Avg	13,468	13,183	3,103	5,591		27,719	27,587	6,931	4,597				
Normal		**4,917**	**1,351**	**2,757**			**11,310**	**3,090**	**2,133**		**74**		
% of Normal		268.1%	229.7%	202.8%			243.9%	224.3%	215.5%				

NYC 24-hr Reservoir Observations: December 31, 8 am

	Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)
Neversink	0.00	32.306	92.5%	388	0
Pepacton	0.00	141.042	100.6%	0	0
Cannonsville	0.01	97.798	102.2%	0	0
Rondout	0.00	48.328	97.4%	717	0

DIRECTED RELEASES (CFS)	
Blue Marsh	0
Beltzville	0
[b]F.E. Walter	0
Merrill Cr	0
NYC Res.-Excess Bank	0
[c]Lake Wallenpaupack	0

Summary of NYC Storage Observations for December 31

NYC Daily Storage (BG)=	271.146	100.1%
NYC Daily Storage Median (BG)=	188.828	69.7%
BG Above NYC Daily Storage Median =	82.318	43.59%
BG Above Drought Watch =	145.252	
BG Above Drought Warning =	161.252	
BG Above Drought =	185.252	
BG Below One Year Ago =	3.674	

DAILY USABLE STORAGE 12/31/04

	VOL. (BG)	[d]%CAP
Blue Marsh	4.84	101.7
Beltzville	13.14	101.1

Storage data provided by New York City Department of Environmental Protection, Bureau of Water Supply.
Chloride data provided by U.S. Geological Survey and Kimberly Clark Corporation.
Lower Basin reservoir storage data provided by Philadelphia District Corps of Engineers.

[a] Based on the location of the 7-day average chloride concentration of 250 milligrams/liter (mg/L).

[b] Releases from F.E. Walter are requested from the U.S. Army Corps of Engineers and are made from the reservoir's temporary drought storage.

[c] Directed releases from Lake Wallenpaupack are estimated values supplied by PPL.

[d] Percent of usable storage available.

BG=Billion Gallons; CFS=Cubic Feet per Second; DO= Dissolved Oxygen; MG= Million Gallons;
ESTIMATES OF THE SALT FRONT ARE BASED ON PROVISIONAL DATA AND ARE SUBJECT TO CHANGE

NOTES:

1. The salt front river mile location will be updated as chloride data is received.

2. Normal flow values represent the median of monthly means for 1971-2000, except for the Lehigh River at Lehighton. For Lehighton, normal flow values represent the median of monthly means for 1983-2000 (the entire period of record for the station) .

3. Reporting of the minimum dissolved oxygen for the Lehigh River at Easton and the maximum temperature at the Schuylkill River at Vincent Dam has been discontinued. Reporting will begin again in June 2005.