Delaware River Flow and Storage Data - November 2003 Summary

DAY	Delaware @ Montague (CFS)		Lehigh River @			Delaware @ Trenton (CFS)		Schuylkill River @		Max Temp Degrees C	[a] Salt Front	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	Phila (CFS)	Potts (CFS)	Vincent Dam	River Mile	BG	%CAP
1-Nov	25,600	24,200	5,200	8,080		57,400	55,200	7,540	5,250		66	277.630	102.5%
2-Nov	19,000	18,400	3,020	5,710		43,400	42,000	6,200	4,430		64	276.494	102.1%
3-Nov	15,700	15,600	2,490	4,530		33,800	33,100	5,410	3,850		61	275.768	101.8%
4-Nov	14,000	13,500	1,770	3,660		29,000	28,700	4,610	3,100		55	275.165	101.6%
5-Nov	12,200	12,200	1,980	3,430		25,600	25,500	4,750	2,900		<54	274.693	101.4%
6-Nov	12,900	12,900	2,140	3,840		25,000	25,300	7,490	3,060		<54	274.569	101.4%
7-Nov	12,400	12,000	2,010	3,510		25,300	25,100	5,200	2,840		<54	274.072	101.2%
8-Nov	10,300	10,100	1,870	3,210		23,500	22,900	4,280	2,500		<54	273.626	101.0%
9-Nov	8,970	8,800	1,770	3,030		20,000	19,700	3,710	2,260		<54	273.322	100.9%
10-Nov	8,210	8,110	1,730	2,920		17,900	17,600	3,410	2,130		<54	272.909	100.8%
11-Nov	7,530	7,770	1,910	2,910		16,600	16,500	3,180	2,070		<54	272.685	100.7%
12-Nov	7,420	7,680	2,010	3,080		16,400	16,500	3,690	2,250		<54	272.431	100.6%
13-Nov	8,330	8,180	2,410	3,440		16,600	16,600	4,100	2,260		<54	272.142	100.5%
14-Nov	7,840	7,440	2,190	3,270		16,700	16,600	3,390	2,070		54	272.028	100.4%
15-Nov	6,770	6,820	1,320	2,610		16,100	15,600	2,990	1,850		60	271.643	100.3%
16-Nov	6,370	6,510	1,250	2,270		13,600	13,700	2,740	1,780		64	271.392	100.2%
17-Nov	6,070	6,010	1,210	2,230		13,200	13,200	2,720	1,730		65	271.053	100.1%
18-Nov	5,530	5,700	1,160	2,260		12,800	12,700	2,530	1,680		67	270.721	100.0%
19-Nov	5,320	5,930	1,310	2,630		12,000	12,700	3,370	2,110		68	270.448	99.9%
20-Nov	15,800	21,900	3,140	5,120		33,000	29,700	15,100	4,860		69	275.338	101.7%
21-Nov	32,200	30,700	3,510	5,510		39,200	44,500	7,570	4,290		69	278.001	102.6%
22-Nov	24,200	22,900	3,270	5,030		47,800	46,300	5,670	3,390		69	277.129	102.3%
23-Nov	18,700	18,100	2,810	4,580		37,800	36,900	4,780	3,030		69	275.991	101.9%
24-Nov	15,400	14,900	2,100	3,650		32,100	30,800	4,360	2,780		68	274.997	101.5%
25-Nov	13,500	13,500	2,290	3,740		26,900	26,900	4,320	3,010		67	274.751	101.4%
26-Nov	12,900	12,500	2,170	3,510		25,300	25,100	4,440	2,860		66	274.204	101.2%
27-Nov	11,100	10,700	1,710	3,120		23,400	22,800	3,780	2,420		65	273.828	101.1%
28-Nov	9,420	10,000	2,110	3,690		20,400	20,400	3,820	3,060		64	273.543	101.0%
29-Nov	16,400	17,600	4,160	8,990		29,900	31,800	10,800	5,960		63	274.913	101.5%
30-Nov	20,200	19,300	3,370	6,530		39,700	39,200	7,950	5,330		63	275.180	101.6%
November Avg	13,009	12,998	2,313	4,003		26,347	26,120	5,130	3,037				
Normal		**4,336**	**1,282**	**2,301**			**10,440**	**2,363**	**1,745**		**80**		
% of Normal		299.8%	180.4%	174.0%			250.2%	217.1%	174.0%				

NYC 24-hr Reservoir Observations: November 30, 8 am

	Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)
Neversink	0.01	34.724	99.4%	342	0
Pepacton	0.03	142.062	101.3%	0	0
Cannonsville	0.01	98.394	102.8%	0	0
Rondout	0.00	47.095	94.9%	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 November 30

NYC Daily Storage (BG)=	275.180	101.6%
NYC Daily Storage Median (BG)=	166.093	61.3%
BG Above NYC Daily Storage Median =	109.087	65.68%
BG Above Drought Watch =	165.180	
BG Above Drought Warning =	181.180	
BG Above Drought =	205.180	
BG Above One Year Ago =	82.739	

DAILY USABLE STORAGE 11/30/03

	VOL. (BG)	[d]%CAP
Blue Marsh	5.39	113.2
Beltzville	13.58	104.5

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; MG= Million Gallons; CFS=Cubic Feet per Second

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. NYC Delaware storage was adjusted for the period 11/23 through 11/26 to reflect changes in Cannonsville's storage (gage re-calibration).