Delaware River Flow and Storage Data - November 2009 Summary

DAY	Delaware @ Montague (CFS)		Lehigh River @			Delaware @ Trenton (CFS)		Schuylkill River @		Max Temp	[a] Salt	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)	Degrees C Vincent Dam	Front River Mile	BG	%CAP
1-Nov	9,180	8,990	2,330	5,050		22,100	21,900	5,990	3,780		72	241.825	89.3%
2-Nov	7,940	8,260	2,130	4,510		19,200	18,800	5,590	3,170		71	242.435	89.5%
3-Nov	8,320	8,070	2,000	4,090		16,900	16,900	4,400	2,450		71	242.664	89.6%
4-Nov	7,450	7,060	1,670	3,590		16,600	16,200	3,750	2,140		70	242.641	89.6%
5-Nov	6,320	6,370	1,560	3,270		14,900	14,600	3,250	1,790		70	242.435	89.5%
6-Nov	6,210	6,870	1,370	2,990		13,400	13,200	2,810	1,830		69	242.409	89.5%
7-Nov	6,100	5,860	1,200	2,690		12,700	12,700	2,840	1,750		69	242.520	89.5%
8-Nov	4,890	5,160	1,150	2,510		12,000	12,000	2,670	1,570		69	242.420	89.5%
9-Nov	4,740	5,070	1,110	2,400		10,700	10,700	2,410	1,460		69	242.165	89.4%
10-Nov	5,020	5,150	1080	2,360		10,300	10,300	2,280	1,440		68	241.903	89.3%
11-Nov	5,020	5,140	1,040	2,240		10,600	10,300	2,240	1,350		68	241.591	89.2%
12-Nov	4,640	4,680	1,010	2,140		10,400	10,200	2,190	1,260		69	241.499	89.2%
13-Nov	4,130	4,280	913	2,020		9,920	9,650	2,050	1,310		69	241.322	89.1%
14-Nov	4,270	4,030	862	1,880		9,250	9,040	2,140	1,200		70	241.399	89.1%
15-Nov	3,210	3,230	850	1,840		8,820	8,720	2,040	1,200		70	241.613	89.2%
16-Nov	3,040	3,420	838	1,780		7,930	7,770	1,980	1,170		70	241.819	89.3%
17-Nov	3,740	3,660	891	1,800		7,190	7,170	1,870	1,110		70	241.487	89.2%
18-Nov	3,530	3,370	821	1,720		7,780	7,650	1,760	1,060		70	240.885	88.9%
19-Nov	3,340	2,980	803	1,670		7,390	7,370	1,710	1,020		71	240.244	88.7%
20-Nov	3,870	4,130	1,240	2,890		7,580	7,990	3,150	2,040		70	240.126	88.7%
21-Nov	7,020	6,620	1,510	3,150		11,500	11,500	3,920	1,910		70	240.745	88.9%
22-Nov	5,660	5,490	1,390	2,810		13,300	13,300	2,740	1,440		70	240.678	88.9%
23-Nov	4,740	4,870	1,340	2,620		12,600	12,400	2,250	1,310		70	240.452	88.8%
24-Nov	4,640	4,940	1,260	2,470		11,300	11,000	2,130	1,210		71	240.164	88.7%
25-Nov	4,740	4,810	1,000	2,160		10,900	10,600	2,070	1,210		71	239.770	88.5%
26-Nov	4,520	4,410	941	2,060		10,400	10,200	2,080	1,290		71	239.649	88.5%
27-Nov	3,830	3,980	932	1,990		10,100	9,790	2,160	1,320		71	239.561	88.5%
28-Nov	3,670	3,650	894	1,950		9,030	8,930	2,120	1,320		71	239.604	88.5%
29-Nov	3,470	3,460	857	1,830		8,710	8,500	2,040	1,240		71	239.780	88.5%
30-Nov	3,400	3,400	860	1,840		7,980	7,980	2,050	1,230		71	239.847	88.6%
Obs. November Avg.	5,022	5,047	1,195	2,544		11,383	11,245	2,689	1,586				
Normal		**4,336**	**1,282**	**2,301**			**10,440**	**2,363**	**1,745**		**80**		
% of Normal		116.4%	93.2%	110.6%			107.7%	113.8%	90.9%				

TODAY'S RESERVOIR OBSERVATIONS: November 30, 2009

New York City 24-hr, as of 8 am:

	Precip (IN.)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)
Neversink	0.01	30.037	86.0%	0	0
Pepacton	0.01	123.979	88.4%	0	0
Cannonsville	0.00	85.831	89.7%	298	0
Rondout	0.00	43.929	88.5%	702	0

NYC Daily Storage (BG)=	**239.847**	88.6%
NYC Daily Storage Median (BG)=	**166.093**	61.3%
BG Abv Daily Storage Median =	73.754	44.41%
BG Abv Drought Watch =	129.847	
BG Abv Drought Warning =	145.847	
BG Abv Drought =	169.847	
BG Abv One Year Ago =	16.114	

Lower Delaware Basin: November 30,

	Vol. (BG)	[d] %Capacity
Blue Marsh	NA	NA
Beltzville	13.00	100.0

TODAY'S DIRECTED RELEASES FROM BASIN RESERVOIRS (CFS)

Blue Marsh	0	**Beltzville**	0	**[b] F.E. Walter**	0	**Merrill Cr.**	0	**Lake Wallenpaupack**	0

DATA SOURCES:

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.

NOTES:

[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.

1. During cold weather, ice effects on stage and discharge determinations at some stream-gaging stations are likely. Flow values reported on this report may be significantly higher or lower than actual streamflow. Revisions will be made as needed when adjusted data becomes available.
2. The salt front river mile location will be updated as chloride data is received.
3. 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).
4. 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 2010.