

Delaware River Flow and Storage Data - October 2004 Summary

| DAY | Delaware @ Montague (CFS) | | Lehigh River @ | | | Delaware @ Trenton (CFS) | | Schuylkill River @ | | | ^a Salt Front River Mile | New York City Delaware River Basin Storage | |
|-------------|------------------------------|--------|-------------------------|------------------------|----------------------------|-----------------------------|--------|-----------------------|--------------------|-----------------------------|---------------------------------------------|--------------------------------------------------|--------|
| | 8:00 AM | MEAN | Lehigh FLOW (CFS) | Bethl FLOW (CFS) | Easton MIN DO (MG/L) | 8:00 AM | MEAN | Philadelphia (CFS) | Pottstown (CFS) | Max Temp | | BG | %CAP |
| | | | | | | | | | | Degrees C Vincent Dam | | | |
| 1-Oct | 16,400 | 15,700 | 3,590 | 6,740 | | 41,300 | 39,700 | 9,330 | 6,160 | | 58 | 272.105 | 100.5% |
| 2-Oct | 13,000 | 12,800 | 2,220 | 4,650 | | 32,900 | 31,700 | 6,850 | 4,510 | | <54 | 271.682 | 100.3% |
| 3-Oct | 11,800 | 11,500 | 2,630 | 4,360 | | 26,300 | 26,000 | 5,530 | 3,950 | | <54 | 271.413 | 100.2% |
| 4-Oct | 10,500 | 10,200 | 2,080 | 3,720 | | 23,900 | 23,300 | 4,930 | 3,500 | | <54 | 271.001 | 100.1% |
| 5-Oct | 8,740 | 8,900 | 1,710 | 3,040 | | 20,700 | 20,200 | 4,350 | 3,120 | | <54 | 270.886 | 100.0% |
| 6-Oct | 8,390 | 7,870 | 1,350 | 2,660 | | 17,800 | 17,500 | 3,810 | 2,590 | | <54 | 270.840 | 100.0% |
| 7-Oct | 6,919 | 6,959 | 1,310 | 2,530 | | 16,400 | 16,000 | 3,380 | 2,300 | | <54 | 270.730 | 100.0% |
| 8-Oct | 6,740 | 6,770 | 1,320 | 2,490 | | 14,700 | 14,599 | 3,090 | 2,170 | | 60 | 270.422 | 99.8% |
| 9-Oct | 5,820 | 5,920 | 1,409 | 2,460 | | 14,199 | 14,099 | 2,990 | 2,060 | | 63 | 270.309 | 99.8% |
| 10-Oct | 5,190 | 5,150 | 1,170 | 2,320 | | 13,200 | 13,100 | 2,849 | 1,980 | | 65 | 270.191 | 99.8% |
| 11-Oct | 4,560 | 4,570 | 1,040 | 2,120 | | 12,400 | 12,000 | 2,690 | 1,870 | | 66 | 270.069 | 99.7% |
| 12-Oct | 4,040 | 4,310 | 1,010 | 2,000 | | 10,900 | 10,700 | 2,540 | 1,770 | | 67 | 270.432 | 99.9% |
| 13-Oct | 3,990 | 4,110 | 989 | 1,850 | | 10,400 | 10,100 | 2,400 | 1,600 | | 68 | 270.630 | 99.9% |
| 14-Oct | 3,850 | 3,900 | 1,010 | 1,940 | | 9,750 | 9,640 | 2,970 | 1,930 | | 68 | 270.783 | 100.0% |
| 15-Oct | 3,780 | 3,790 | 1,030 | 2,370 | | 9,810 | 9,650 | 3,310 | 2,260 | | 68 | 270.625 | 99.9% |
| 16-Oct | 3,920 | 4,310 | 1,680 | 3,449 | | 9,360 | 10,900 | 4,940 | 2,550 | | 69 | 270.320 | 99.8% |
| 17-Oct | 6,150 | 5,790 | 1,560 | 2,670 | | 11,600 | 11,400 | 3,790 | 2,130 | | 69 | 269.743 | 99.6% |
| 18-Oct | 4,810 | 4,700 | 1,580 | 2,640 | | 12,100 | 12,000 | 3,030 | 1,830 | | 69 | 269.208 | 99.4% |
| 19-Oct | 4,460 | 5,000 | 1,540 | 3,210 | | 11,500 | 11,800 | 3,770 | 2,520 | | 69 | 269.567 | 99.5% |
| 20-Oct | 11,600 | 11,000 | 1,910 | 3,380 | | 13,300 | 13,400 | 4,690 | 2,950 | | 68 | 270.549 | 99.9% |
| 21-Oct | 8,870 | 8,590 | 1,780 | 3,030 | | 18,800 | 18,200 | 3,980 | 2,540 | | 68 | 270.646 | 99.9% |
| 22-Oct | 6,939 | 6,970 | 1,700 | 3,090 | | 16,700 | 16,500 | 3,470 | 2,350 | | 68 | 270.568 | 99.9% |
| 23-Oct | 6,290 | 6,520 | 1,520 | 2,790 | | 14,700 | 14,500 | 3,270 | 2,150 | | 68 | 270.165 | 99.8% |
| 24-Oct | 5,740 | 5,850 | 1,440 | 2,670 | | 13,400 | 13,300 | 2,980 | 2,010 | | 68 | 269.698 | 99.6% |
| 25-Oct | 5,790 | 5,669 | 1,190 | 2,440 | | 12,500 | 12,300 | 2,859 | 1,910 | | 69 | 269.236 | 99.4% |
| 26-Oct | 5,500 | 5,440 | 1,080 | 2,200 | | 11,600 | 11,600 | 2,630 | 1,729 | | 69 | 269.501 | 99.5% |
| 27-Oct | 5,530 | 5,170 | 1,070 | 2,080 | | 11,000 | 11,000 | 2,460 | 1,670 | | 69 | 269.763 | 99.6% |
| 28-Oct | 4,660 | 4,520 | 1,050 | 2,039 | | 10,700 | 10,700 | 2,330 | 1,630 | | 69 | 270.023 | 99.7% |
| 29-Oct | 4,290 | 4,420 | 1,040 | 2,000 | | 9,750 | 9,720 | 2,240 | 1,580 | | 69 | 269.704 | 99.6% |
| 30-Oct | 4,200 | 4,130 | 1,080 | 2,210 | | 9,470 | 9,580 | 3,050 | 2,450 | | 68 | 269.077 | 99.4% |
| 31-Oct | 3,760 | 3,860 | 1,070 | 2,170 | | 10,100 | 9,870 | 3,870 | 2,490 | | 68 | 268.430 | 99.1% |
| Oct Avg | 6.653 | 6.593 | 1.489 | 2.817 | | 15.201 | 15.002 | 3.690 | 2.460 | | | | |
| Normal | | 2,391 | 697 | 1,486 | | | 5,320 | 1,244 | 940 | | 81 | | |
| % of Normal | | 275.7% | 213.6% | 189.5% | | | 282.0% | 296.6% | 261.7% | | | | |

| NYC 24-hr Reservoir Observations: October 31, 8 am | | | | | | DIRECTED RELEASES (CFS) | | Summary of NYC Storage Observations for October 31 | | |
|----------------------------------------------------|------------------|----------------|----------------|---------------|----------------------|------------------------------------|---|----------------------------------------------------|-------------------|--------|
| | Precip (IN.) | Usable (BG) | Storage (%) | Draft (MG) | Directed Rel (MG) | | | NYC Daily Storage (BG)= | 268.430 | 99.1% |
| Neversink | 0.00 | 32.752 | 93.7% | 385 | 0 | Blue Marsh | 0 | NYC Daily Storage Median (BG)= | 147.470 | 54.4% |
| Pepacton | 0.00 | 138.701 | 98.9% | 497 | 0 | Beltzville | 0 | BG Above NYC Daily Storage Median = | 120.960 | 82.02% |
| Cannonsville | 0.01 | 96.977 | 101.3% | 0 | 0 | ^b F.E. Walter | 0 | BG Above Drought Watch = | 158.430 | |
| Rondout | 0.01 | 46.089 | 92.9% | 603 | 0 | Merrill Cr | 0 | BG Above Drought Warning = | 174.430 | |
| | | | | | | NYC Res.- Excess Bank | 0 | BG Above Drought = | 198.430 | |
| | | | | | | ^c Lake Wallenpaupack | 0 | BG Below One Year Ago = | 10.611 | |
| DAILY USABLE STORAGE 10/31/04 | | | | | | | | | | |
| | | | | | | | | VOL. (BG) | ^d %CAP | |
| | | | | | | Blue Marsh | | 5.12 | 107.6 | |
| | | | | | | Beltzville | | 13.16 | 101.2 | |

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 Lehighon. For Lehighon, 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.

4. As of October 1, Blue Marsh reservoir will begin its seasonal drawdown to winter pool storage of 4.76 bg.