

Table 3

Pennsylvania Department of Environmental Protection specific water quality criteria for the Susquehanna River in the vicinity of the Susquehanna Steam Electric Station, 2006.

| PARAMETER | UNIT | PERIOD | CRITERIA | | AVERAGE |
|---------------------------------|------|-----------------|----------|---------|---------|
| | | | Minimum | Maximum | |
| Alkalinity as CaCO ₃ | mg/L | | 20 | | |
| Ammonia Nitrogen | mg/L | | | 4.56 | |
| Chloride | mg/L | | | 250 | |
| Dissolved Oxygen | mg/L | | 4.0 | | |
| | | Daily Average | 5.0 | | |
| Fluoride | mg/L | Daily | | | 2.0 |
| Iron Total | mg/L | 30-Day | | | 1.5 |
| Dissolved | mg/L | | | 0.3 | |
| Manganese | mg/L | | | 1.0 | |
| | ug/L | | | 1000 | |
| Nitrite plus Nitrate as N | mg/L | | | 10 | |
| pH | | | 6.0 | 9.0 | |
| Sulfate | mg/L | | | 250 | |
| Temperature | C | January 1-31 | | 4.4 | |
| | | February 1-29 | | 4.4 | |
| | | March 1-31 | | 7.8 | |
| | | April 1-15 | | 11.1 | |
| | | April 16-30 | | 14.4 | |
| | | May 1-15 | | 17.8 | |
| | | May 16-31 | | 22.2 | |
| | | June 1-15 | | 26.7 | |
| | | June 16-30 | | 28.9 | |
| | | July 1-31 | | 30.6 | |
| | | August 1-15 | | 30.6 | |
| | | August 16-31 | | 30.6 | |
| | | September 1-15 | | 28.9 | |
| | | September 16-30 | | 25.6 | |
| | | October 1-15 | | 22.2 | |
| | | October 16-31 | | 18.9 | |
| | | November 1-15 | | 14.4 | |
| | | November 16-30 | | 10.0 | |
| | | December 1-31 | | 5.6 | |
| Total Dissolved Solids | mg/L | Monthly | | 750 | 500 |