

## ABATEMENT PRIORITIES

Based on cost benefit analysis (including area affected) priority projects of Abatement Plan III are listed below in decreasing priority.

1. North Franklin Treatment System
2. Packer Discharge Group and Aeration System
3. Big Run Discharges
4. Mahanoy City Group
5. General-Stream Modification
6. Girardville Group
7. Hammond Aeration System
8. Centralia Tunnel Treatment System
9. Doutyville Tunnel Treatment System
10. South Preston Discharge

## OVERVIEW

The recommended plan when implemented will significantly improve the stream water quality of Mahanoy Creek. The Susquehanna River stream quality will also increase although to a lesser degree. Water quality in the Shenandoah Creek will improve but will still contain iron and will be slightly acid. Iron concentrations in the Mahanoy Creek are expected to be below 1.5 ppm; the only exception being the immediate vicinity of the Gilberton Shaft. The pH of the entire length of Mahanoy Creek will meet the Department's pH stream water quality criterion. Except in the vicinity of the Gilberton Shaft, Mahanoy Creek will meet the Department's limitations for acid after implementation of the abatement plan. The Mahanoy Creek after implementation of Abatement Plan III will be able to support fish life.