

## Alpha Natural Resources 2013 - Water Management Report

### WHEREAS:

In Alpha Natural Resources' initial Sustainability Report, Fueling Progress 2011, the company reports the water quality compliance rate in general, but offers no specifics on total water withdrawn, how often testing was conducted, chemicals and elements included in tests, or the percentage of water recycled or reused.

On July 16, 2012, three environmental groups (OVEC, West Virginia Highlands Conservancy, and Sierra Club) filed suit in West Virginia accusing Alpha subsidiaries of allowing unsafe selenium discharges at nine coal mines in the state.

In a January 2010 research paper entitled "Mountaintop Mining Consequences", twelve environmental scientists state "Our analyses of current peer-reviewed studies and of new water-quality data from WV streams revealed serious environmental impacts that mitigation practices cannot successfully address. Published studies also show a high potential for human health impacts". (Science 8 January 2010: Vol. 327 #5962 pp 148-149)

In its March 2011 report on "The Effects of Mountaintop Mines and Valley Fills on Aquatic Ecosystems of the Central Appalachian Coalfields", the U.S. Environmental Protection Agency found that mountaintop mines and valley fills lead to the permanent loss of springs and small streams, concentrations of persistently elevated chemical ion levels downstream, degraded water quality, and selenium concentrations that have caused toxic effects on fish and birds. (EPA/600/R-09/138F, page 1)

The EPA report addresses the risk to ecosystems by stating "When a headwater stream is buried under a valley fill, most of the organisms that inhabit it are eliminated. As multiple streams in a mountain range are buried, the distance between the headwaters that remain become greater, hindering the movement of biota that is required to sustain populations". (EPA/600/R-09/138F, page 92)

Organizations such as the Global Reporting Initiative (GRI), the World Business Council for Sustainable Development (WBCSD), Carbon Disclosure Project (CDP) offer tools on assessment, mapping, and measurement of an organization's operations on water.

**Resolved:** Shareholders request a report, prepared at reasonable cost within six months of the 2013 annual meeting, omitting confidential information, on the company's efforts to reduce environmental and health hazards associated with its Appalachian mining operations, and how those efforts may reduce legal, reputational and other risks to the company's finances. The report should include complete, detailed information for these GRI performance indicators:

- Total water withdrawal by source.
- Water sources significantly affected by withdrawal of water.
- Percentage and total volume of water recycled and reused.
- Total water discharge by quality and destination.
- Total weight of waste by type and disposal method.
- Identity, size, protected status, and biodiversity value of water bodies and related habitats significantly affected by the reporting organization's discharges of water and runoff.