

times of the year and necessarily create additional warming in the Green River. There is no indication of how much water the nuclear power plant would divert from the river at different times of the year. Lower-than-normal water flows, especially in late summer when low flows already result in visible moss growth--could affect both the natural stream environment as well as recreation on the river year round, including fishing and rafting. The value of our property could be adversely affected since our property is directly adjacent to the Green River.

Additionally, most nuclear power plants return water to the source of supply, either because the plant uses once-through cooling and the heated water is returned, or because the chemistry of the recycled water in a closed-loop system needs to be balanced through routine discharges. This application does not indicate what kind of cooling system the nuclear power plant will use. That piece of information needs to be investigated before the full impacts to the natural stream environment and public recreation can be determined. Utah law requires the State Engineer to investigate such matters: "If the state engineer ... has reason to believe that an application to appropriate water will unreasonably affect public recreation or the natural stream environment ... it is the state engineer's duty to withhold approval or rejection of the application until the state engineer has investigated the matter." Utah Code Ann. §73-3-8 (1) (b) (i).

The discharge of significantly warmer water from a once-through system or water concentrated with salts from a closed-loop system could unreasonably affect the natural stream environment.

We are also concerned that anticipated or unanticipated radioactive release from the plant could affect the water we use, as well as farmers and domestic users all along the Green River and the Colorado River system. A successful terrorist attack on the plant could effectively cripple much of the Western United States in terms of our water needs.

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