

Uplands April 13, 2016 letter to the "Mirror" titled "Emotion Trumping Science" contains information that contradicts Upland's own consultant's Operation and Hydrology Report on a number of issues.

1. Upland states that its landfill is for "construction debris and non-hazardous soils."

The actual intent is for contaminated waste and the hazardous material, asbestos.

2. Upland states that "No Material will spill outside or be deposited outside of the liner, water cannot spill out or drain off onto unlined ground and cannot flow uphill into McIvor or Rico Lake."

In fact, Upland's consultant admits that "all liners are permeable." Upland provided the Campbell River Environmental (CREC) seepage rates through the liner. Upland stated that it will take 5 3/4 years for the seepage to reach the Quinsam River. It will also flow to Cold Creek, which feeds the 100 million dollar Quinsam River Hatchery. The seepage comprises untreated leachate from contaminated waste material.

3. Upland's Operational Report identifies parameters that are forecast to exceed BC Contaminated Sites Regulation criteria in untreated leachate, i.e.: Ammonia, Chloride, Phenols, Sulphate, Leph, Arsenic, Boron, Copper, Iron, Magnesium, Manganese, Sodium and Zinc. Upland also admits that treatment of some of these parameters may prove ineffective, depending on waste composition and the form of the parameters in the leachate.

4. The upper rim of Upland's property is higher than the elevation of both Rico and McIvor lake. Upland's report states that the eastern extent of Rico Lake encroaches onto Upland's site and that a portion of the western property boundary dips steeply west towards Rico Lake. Upland's weigh scale and fuel tank are located on their western boundary. Upland informed CREC that Rico lake and McIvor Lake are hydraulically connected, but contrary to what we were told, we now know that Rico Lake drains west to McIvor Lake, which is part of our drinking water supply. Depending on the depth of Rico Lake, which is not yet know, there is a real concern of untreated leachate groundwater draining from the landfill into Rico Lake and then into McIvor Lake, potentially contaminating Campbell River's drinking water supply.

CREC would like to provide the public with a link to Upland's reports, but the reports have been removed from their consultant's website. Please contact Upland directly to view these reports.

There are important discrepancies in Upland's justification for its proposed landfill and these need to be reconciled. CREC believes that the substantial risk associated with Upland's proposal can only be resolved through an independent risk assessment.

Campbell River Environmental Committee,

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Leona Adams, President