

From: [Jackson Humphrey](#)
To: [Mailroom Mailbox](#)
Subject: Plan Change 7 to the LWRP Submission
Date: Wednesday, 24 July 2019 11:47:06 AM

Nitrate: Health Effects in Drinking **Water**. **Nitrate** is one of the most common groundwater contaminants in rural areas. It is regulated in drinking **water** primarily because excess levels can cause methemoglobinemia, or "blue baby" disease.

Keep it clean

Kierin Smart

From: Jackson Humphrey <jxcorp2@gmail.com>
Sent: Friday, 30 August 2019 3:36 PM
To: Mailroom Mailbox

Chlorine doesn't treat nitrates? It's generally treated with reverse osmosis. And it's been estimated that it might cost up to \$2,000 per person per annum to filter out the nitrates.

This prediction of nitrate flow has been done on modelling but intriguingly they've used the figures from the 50% probability only. This is our drinking water and I would have thought a precautionary approach which took the 95% probability curve provided in their reports would be the right one. This pushes the nitrate reduction targets to 50% (from 30%) under the 3.8 mg/L threshold option.

But the cost to the city and its people of such significance, nitrates at the concentrations proposed by ECan could be very high. Not only costing humans \$ but At that level it could potentially kill stygofauna and other important parts of the ecosystem. It exceeds dramatically the figure provided by the recent Danish study of 0.87 mg/L above which the risk of colo-rectal cancer increases.

While revenue increases, life decreases which which is a cancer. Producing material that doesn't belong.