

From: Ian Branston [REDACTED]

Sent on: Monday, April 1, 2024 2:25:07 AM

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Subject: #2 Cold Mill Wastewater Plant

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Good Morning:

I am following up on an issue first raised by Councillor Tammy Hwang's office. It is regarding the operation of ArcelorMittal's #2 Cold Mill Wastewater Treatment Plant on Kenilworth Ave. The excess consumption and discharge to the Woodward Street Water Plant warrants an investigation by the Climate Change Committee.

This is a climate change concern because of the consumption of energy needed to produce the potable water used at Kenilworth and the energy needed to process this waste at Woodward Street. Their process could be greatly improved to reduce consumption. They make little effort with regards to water conservation.

The water used at Kenilworth is potable. To produce potable water a great deal of energy is used. The City of Hamilton's website shows the multiple energy consuming steps needed to produce our water. These include low lift pumps, rapid mixing flocc tanks, backwash tanks and high lift pumps, to name a few. There are also six chemicals listed that are used. Each one requires energy for the manufacture and transport of them. In short a lot of energy is required to produce potable water, however it is not used efficiently at ArcelorMittal.

When the water is discharged from the Kenilworth plant it goes to the Woodward street plant, increasing the total volume of water to be processed. During periods of high precipitation events the Woodward street plant may overflow. The unnecessary water from Kenilworth contributes to the semi treated wastewater going into the harbour, thus affecting biodiversity.

This is a case for the Climate Change Committee. The Kenilworth area, specifically #2 Cold Mill Wastewater Treatment plant is wasting our most precious resource and wasting large amounts of energy in doing so. The Climate Change Committee needs to approach them and come up with a plan that will reduce water and energy consumption. They need to be more responsible for the use of our resources.

Regards

Ian Branston