Author name: Anonymous

Date of submission: Wednesday, 9 May 2018

Submission: I object to the license variation to the Catherine Hill Bay Sewerage Management Scheme which will allow the discharge of treated effluent to the local environment. My objections relate to my extensive experience in the field of wastewater and environmental health and my local knowledge of Catherine Hill Bay; I submit the following reasons for my objection:

The wet weather discharge to the environment of treated effluent will severely compromise the local waterways.

What critical review has been completed to demonstrate the neutral effect on the local waterways. Treated effluent can be still high in nutrients which can cause damage to the eco system through weed and algae growth, how will these discharges be continuously monitored so as to meet the Australian recreational quality guidelines?

Wet weather discharges from treatment plants often result with reduced quality effluent.
The proposal plans to remove part of the previously approved treatment process to reduce costs in energy and maintenance has the effluent quality been reviewed in light of this proposal and has the redesign been critically reviewed by a Wastewater Expert and can the resultant effluent quality still meet the required end use quality for discharge to the environment?

Whilst EPA will regulate the system under POEO License, what measures will be in place to manage effluent when the treatment plant cannot meet the discharge effluent quality requirements so that poorly treated effluent is not discharged to Mooney Beach?

When treated effluent is stored for periods of times effluent quality can deteriorate during storage, residual bacteria can regrow and effluent can turn septic when left stagnant. What measures have been incorporated into the treatment design to maintain effluent quality during storage of effluent? Additionally the discharge location for the effluent is to a low flow creek, what measures will be in place to ensure stagnant effluent will not be left in the creek line from the