Matthew York
# I have some replies to points that Mr Engles brought up in reguards to my statement of evidence

# I never mentioned a cubic meter per second flow rate, as ( as He Noted) a flow rating chart for this weir in an over flow condition was above my level to be able to work out due to the weirs location.

# The flood levels shown in the chart is a direct measurement of water depth read ofr the level staff at the weir not a flow measurement.

# The flow across the road is spread over a wide area and the flow speed measurement was taken with a Hand Held flow meter. These readings were taken at several locations across the flooded section of the road on the downstream side. These readings averaged out to 32kmph (8m/s)
I can say that there was visiable damage to the road with a lot of gravel washed off the surface. Forestry roads further down the creek were washed out completely.

# Transit time was worked out using a modaling program put out by the US Army Corp of Engineers ( I no longer have this program as the free version will not work on windows 10)
Transit time is worked out based on bed slope and stream side conditions as well as flow speed recordings taken in various parts down the catchment. This can vary between modalling programs used. Another point is that it is only 7.2 km from Mclaren gully road to Brighton Beach Not 13km as Mr Engales stated.

# But a point I feel it is worth noting, weather it is 40mins as I stated or 4 hours as Mr Engles stated it is still a very short time, allowing very little response time if a leachate release were to occur during a flood event.

In response to Tanya Blakely

#The eDNA sample was taken at the last point of visable flow before the head of the estuary, this point was selected to allow a Snapshot of life present in the creek from that point up, and had nothing to do in any way with the Smooth Hill Landfill Propsal.