Garba-ecture (GM303111)

Submission Text

The Fresh Kills Park is an exciting landscape to design artwork functioning as clean energy infrastructure. The pleasant open landscape and amount of available space allows many possible of recreational activates. However, as wonderful as this vast open landscape is, there is a prominent dilemma staring us in the face.

The United states has the largest municipal waste generation in the world (followed by Australia). With a waste generation of over 760kg per person per year, which equates to an average of 2.082kg per person per day. With the Freshkills New York City with a population of approximately 8.1 Million therefore generates approximately 1686573.42kg of waste per day. People do not realise the intensity of the amount of garbage we produce and the effect on our landscapes directly and indirectly.

This project proposal aims to create a landscape with garbage at the center point of the Fresh Kills Park. ‘Garbage landscape architecture’ ‘Garba-ecture’ communicates the Land Fill Gas (LFG) system above the ground. The purity of the hills of ‘garbage’ and the amount of land fill that is in the area is astonishing, visitors to the site should be aware of what they are walking over and amidst.

The proposal includes informational or educational mirroring the elements of the system below the ground but enlarged and vibrantly coloured. These elements including: pressure gauges, coloured pipes, valve points, monitoring information (coloured poles), some cuts into the earth showing the layers of the system and a coloured grass (ornamental grass-pennisetum-setaceum) which mirrors the pipeline below it and gas utilization converters. The site could also be used for research into different ways the landfill sites could be used for gas production or other garbage related investigations.

The information is directly related to the land fill at most points (eg. gas production and intensity) with other information related to energy such as figures indicating the amount of energy that people use, how long different things take to break down and their embodied energies. The system can also work with the existing masterplan just adding program to the top layer.

The amount of energy generated from the site is not very high but the world sustainability value of creating awareness could drastically reduce the waste, therefore the value of the site is priceless for mankind. People need to be made aware of the effect of each individual about recycling and to understand the consequences of their actions when it comes to waste. Garba-ecture creates a fun, recreational and educational landscape for old and young which has the opportunity to be at the forefront of sustainability and research for landfill sites and disposal of municipal waste and become a world prototype for renewable energy and waste.