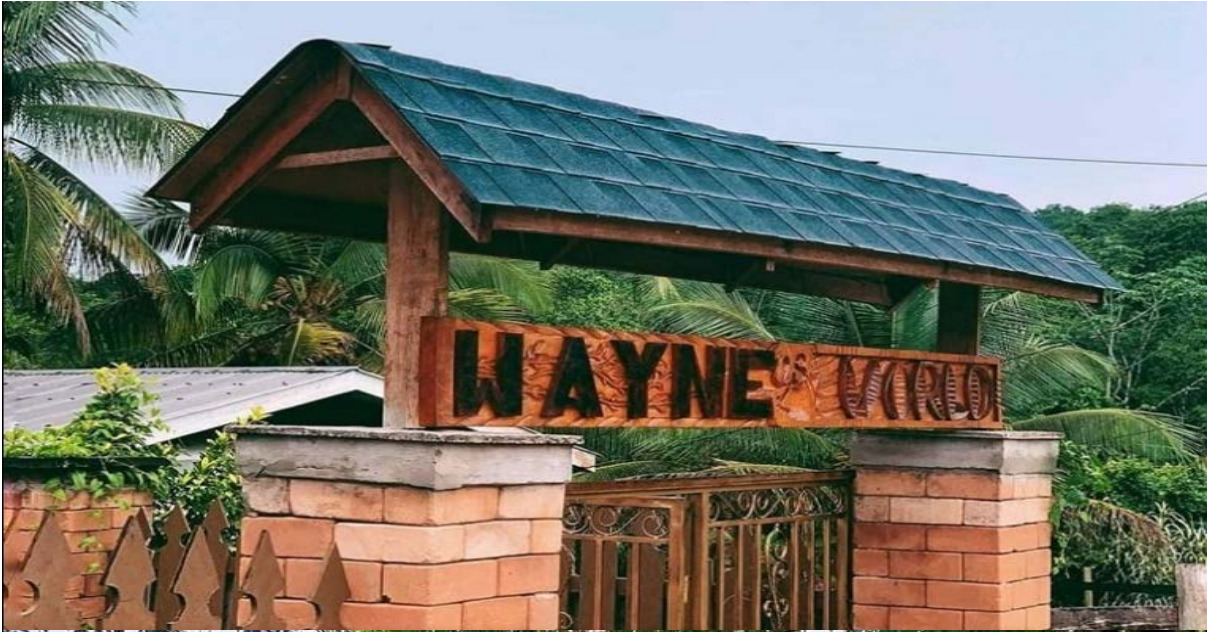


# Project Summary

## Wayne's World Apartments and Oasis



## Executive Summary

Established in August 2018 nestled amidst the serene landscapes of Amelia's Ward Linden is Wayne's World Apartments and Oasis proved to be an enchanting escape from the hustle and bustle of everyday life to enjoy a paradise of nature and exceptional hospitality. Wayne's World Apartment and Oasis is surrounded by 3 significant biomes: savannahs, swamp and secondary forest. The days are hot and the nights are cool, with a steady gentle breeze throughout the day. Mornings tend to be foggy with a sunrise that peaks at the canopy line. This hidden gem is a testament to tranquility, offering a perfect blend of natural beauty and modern comfort. The on-site restaurant served delectable cuisine, ranging from local, regional and international delicacies. The apartments and eco-lodges are tastefully designed, well-equipped with modern amenities, and offer stunning views of the lush landscapes, towering trees, vibrant flora, and even a glimpse of the local wildlife from the comfort of your room. While the serene environment encourages relaxation, there are plenty of activities to keep you engaged as you take a 30 minutes hike through the nature trail, birdwatching or simply unwind in the naturally flowing creek. This alluring nature resort is more than just a place to stay; it's a gateway to the beauty and culture of Linden. Whether you're seeking a peaceful retreat, an adventure in nature, or an immersion into the local way of life, this charming establishment offers it all. Wayne's World Apartments and Oasis surrounding area has excellent birding potential. Over 40 species of birds are in the immediate vicinity of the property. The species include; Amethyst Woodstar, Fork-tailed Woodnymph, Blue Dacnis, Cayenne Jay and Amazonian Motmot. The convergence of the forest, swamp and savannah biomes make for a unique botanical experience. Some of the species are Turu palm (*Oenocarpus bacaba*), Golden Wonder Tree (*Senna spectabilis*) and Blue jacaranda (*Jacaranda copaia*). Red rumped agouti and Red Brocket Deer frequent the property as evidenced by the fresh tracks for both seen in the nearby brush. There are numerous fruit trees and flowering plants on the property. These plants include: Whitey also known as the ice cream bean or Pacay (*Inga feuilleei*), Eta Palm (*Mauritia flexuosa*), Plum (*Spondias mombin*), Jamoon (*Syzygium cumini*), Nenwah (*Luffa aegyptiaca*) and multiple banana cultivars. There are also garden plants like the Ixora (*Ixora coccinea*), Cockscomb (*Celosia cristata*), Oleander (*Nerium oleander*) and members of the Hibiscus family.

Wayne and his wife Rosa are very hospitable and flexible with meals and use of the space. There is one open gazebo and an open brick oven/grill available for guests to use. Also, outdoor kitchen and dining area. There are 12 rooms on the premises all self-contained with ample amenities. All rooms are equipped with air conditioning, WiFi on a wall mounted television. The two cabins and apartment also boast fully equipped kitchens with cutlery and cooking utensils.

## **Mitigation of Impacts in Operation and Maintenance of Wayne's World Apartments and Oasis**

This section outlines the recommended measures which can be implemented to ensure that all physical impacts identified in this phase of operation of Wayne's World Apartments and Oasis are prevented or minimized.

### ***Air Quality***

The following measures are implemented to reduce the impact to air quality:

- No burning of garbage onsite.
- Generators are placed in an enclosed area well away from the nearest building with the exhaust pipe running placed on the tallest building in the compound.

### ***Noise and Vibration***

The following are measures that are currently implemented to reduce noise levels and nuisance:

- Generators and other noisy equipment are situated a distance away from the nearest occupied building and general work areas and should only be in use when necessary;
- Noisy equipment such as generator is enclosed with sound proofing material.
- Noise levels on site do not exceed 90 dB during the day and 75 dB at nights.

### ***Water Quality***

The following measures are in place to prevent surface water contamination from

discharges during the operation and maintenance phase:

- No release of any contaminant that might enter the surface water.
- Adequate emergency spill response are in place in the event of any spill.
- Good housekeeping is practiced during operation to avoid spreading litter and wastes from human/operation activities.

### ***Biological Environment***

#### Loss of Vegetation

The following are in place to avoid and mitigate against loss of vegetation:

- Landscaping of the project site is important to restore vegetative cover to unpaved areas also use native flowering plants to provide habitat and host plants for some species.
- Vegetation planted for landscaping and for aesthetic appeal are maintained, and a maintenance programme established and implemented.
- Vegetation selected are based on suitability, habitat, flowering plants and shrubs.

#### Loss of Habitat - Fauna

The following actions are in place to avoid and mitigate against loss of fauna:

- Landscaping component include species of trees that will attract avian species by providing feeding and nesting habitats.
- Species chosen to re-vegetate the site serve both a landscape function and a habitat function without compromising either.

#### Aquatic System

Aquatic systems within proximity to Wayne's World Apartments and Oasis is not limited to the site but are vast and extend way beyond the operation area. Within the site itself, there are no major aquatic systems nor any fish or aquatic species of significant environmental or ecological importance. The aquatic species of vegetation present are considered aquatic weeds that are usually removed since they tend to obstruct flow of water, as such no mitigation is required.

## Waste Management

Based on the impacts identified, the operation activities of Wayne's World Apartments and Oasis will generate waste during operation, which, if not managed properly, can result in soil and water contamination, contribute to ill health, and affect the aesthetic of the general area. Waste piles often present an eyesore and can affect the aesthetic of any environment. The improper disposal of waste, especially kitchen and food waste can result in odour and attraction of vermin. Waste to be generated includes domestic garbage, which usually consists of a mix of bottles, bags, cans, boxes, plant residues, excess food and kitchen scraps and old clothing and paper. These will mainly be generated by operation staff daily. Liquid waste will also be generated including sewage waste and wastewater from washing.

### Disposal Management/Recommendations - Solid Waste

Waste Category	Waste Type	Disposal Method
Solid Waste	Kitchen Waste	Domestic waste generated from kitchens are collected in bins for disposal at an approved landfill site.
	Plastic Bottle/Cans	These materials are collected in covered bins and further disposed of at an approved landfill site.

**Disposal Management/Recommendations - Liquid Waste**

Waste Category	Waste Type	Disposal Method
Liquid Waste	Greywater - Waste Water from Kitchen/Bathing	Wastewater from these facilities are drained into a soak away system/ filter box.
	Sewage/Blackwater	All toilets are connected to independent septic tanks. The septic tanks are equipped with multiple phase faeces process which eliminates the likelihood of solid wastes discharge with effluence. For example, the Septic Tank system in Guyana is designed with a phase faeces process that allows for the complete separation of sewage and grey water through a displacement system followed by a soak away system or filter box.

### **Fuel, Lubricants, and other Hazardous Materials**

Fuel and lubricants are classified as hazardous materials and require special consideration in their transportation, storage and handling. Improper management of these materials can result in spills and leakage which can contaminate soil and water resources or even result in fires. However, given the operations at Wayne's World Apartments and Oasis it is not expected that there will be the need for significant amount of fuel and therefore fuel storage onsite is limited. Nevertheless, the following measures are implemented during operation to ensure the likelihood of contamination of soil or water from spillages or leakages as well as risks of a fire are minimized:

- All fuel, lubricants, waste oil and empty fuel containers are stored within a contained designated area which is impervious.
- Significant amount of fuel will not be stored onsite but should be brought as required. This will eliminate the need for extensive storage facilities and reduce the risk of contamination from spills and leaks.