

GCCA+SUPA STOCKTAKE

DETAILED LIST OF EXISTING RAINWATER HARVESTING INSTALLATION MATERIALS FROM PACC & GCCA;PSIS PROJECTS

**Global climate change adaptation (GCCA)
MAY 2021**

Introduction

The Department of Environment is acting on behalf of the Ministry of Natural Resources and the Government of Niue for the coordination of the GCCA+SUPA Project in Niue and implementation oversight of the water security measures. This Report will discuss and summarise ***“deliverable 1.3: Submission of a detailed list of existing rainwater harvesting installation materials remaining from previous projects.”***

Staff involved were from different divisions under the Department of Environment. Due to the tedious nature of the activity, more support was needed to undertake the task. Staff involved include Taveli Pavihi, Luina Vilila, Rosalia Solo, Noah Paka, Tofimua Matagi, Terrence Lakatani, Fernando Patumaka, and assisted by the former TA, Hivi Puheke.

The stocktake took 2 days however heavy machinery and other trailers needed to be moved in order for the stocktake to proceed. Initial start days were delayed by persistent heavy rain and delays removing the machinery away from the stocktake containers.

Duration/Location

The Department of Environment conducted a stock take list of existing rainwater harvesting installation materials remaining from previous projects. The Stock take started on the 11th of May and was completed on the 12th of May 2021 (2 days). There were two containers full of rainwater harvesting equipment and materials that was stored at the moulding factory site in Fonuakula, Alofi South.

Process

The team that conducted the stocktake were from the Department of Environment, working alongside the previous Technical Adviser (TA), Hivi Puheke. The team was fortunate to have the assistance of the Technical Advisor (TA) from the previous water/septic projects that was available on site. The teams cleared the boxes that were in the container (Note: boxes were not labelled and were not in ideal handling condition), the TA identified the specific material or equipment before the team commenced counting.

The team tallied and recorded each item that was in the containers. Once the items have been recorded the teams placed items back in the box and labelled the box appropriately. The Team replaced the damaged or aged boxes with brand new boxes or into sacks for easier handling at a later date. The Team manage to fit all components into one container.

EXPENSES

The Department of Environment had some expenses to cover for the two-day stock take. Table 1.1 has the list of all expenses.

Items	Cost
Tent hire (3 days)	\$250.00
Refreshments for field-teams from other divisions	\$450.00

Table 1.1expenses

MATERIALS

The list below contains all materials that were stored in the water harvesting containers from the previous projects. Please note that there are several materials listed multiple times. The reason being as the boxes/crates that were stored in the container had the same materials or a mixture of different materials in one box.

Item	Quantity
First flush water diverter	39
Tank Vacuum Kit	25
Leaf eater (4 x boxes-12 inside one box)	48
50mm RX tank inlet male (2x in a pack-23 packs)	46
50mm RX tank inlet male (2x in a pack-24 packs)	48
50mm RX tank inlet male	37
80mm Downpipe socket	106
80mm 90° down pipe bend (short)	26
80mm 112 ° down pipe bend	18
80mm 90° pipe bend (long)	8
80mm 90° down pipe bend	40
25mm RX tank inlet male (5x per pack-15packs)	75
25mm RX tank male	20
80mm 95° downpipe junction	36
40mm socket (10x per pack) (18 pack)	180
90mm 45° SW bend	78
80mm 112° down pipe bend	15
80mm 112° down pipe bend	40
90mm 88° plain bend FMF	54

Item	Quantity
Calmed inlet	30
90mm 45° SW bend	45
80mm 112° down pipe bend	20
80mm 95° down pipe junction	30
Floating outtake	43
25mm tank inlet	93
50mm tank inlet	30
90mm tank vacuum kit	11
Brass hexagon nipple (10x bags)	50
40mm tank inlet male	31
Floating outtake	54
Calmed inlet	95
Galvanized socket 25mm	120
25mm galvanize elbow	94
Rotary roof ventilator	4
90mm tank vacuum kit	18
Politene (Plastic mold)	20
90mm 45° storm water	45
90mm SW socket	125

Item
90mm 45W storm water
90mm 90° plain junction F&F
90mm 88° down pipe bend
88mm 95° down pipe bend
80mm 112° down pipe bend
80mm 95° down pipe bend
90mm SW socket

CONCLUSION

The Environment department team managed to store all materials and equipment into one container. This is to ensure that there is no mixture of materials or equipment with other project resources. The team is still working on trying to gather the information from the last stock take for comparison purposes and follow-up with contractors on components that they have used since the GCCA;PSIS Project closure. Contractors have managed to install/connect rainwater harvesting systems during the period between the initial GCCA'PSIA project and the current GCCA+SUPA project.

Stock take Team Images. Department of Environment staff.



