



Glen Waverley Uniting Church Rain Water Harvesting Project Part 4 Inspection & Maintenance



GWUC, WATER HARVESTING SYSTEM

Introduction

Regular and Annual inspection and maintenance of the system is required to ensure;

- no build up of rubbish (leaves, twigs, petals and dirt) within the water collection equipment,
- the pump inlet filters are clean and
- all parts of the Systems are operating as designed.

Frequency of Inspection and Maintenance

Regular

The frequency of inspection and is basically dependent on the weather.

In Spring and Autumn flowers, twigs and leaves fall from the gum trees at the front of the Church.

In other Seasons smaller amounts of these fall.

Dust in the atmosphere settles on the roof throughout the year.

When it rains these are washed into the mesh of the Downpipe Filters and First Flush Filters.

If the rainfall is above say 3 or 4 mm all filters should be inspected and cleaned.

When only approx 1mm or less of rain falls, it is recommended that inspection and cleaning be carried out after two or three such falls and at least monthly.

After a heavy rain storm, say more than 20mm, all filters should be cleaned.

At a very minimum maintenance is necessary MONTHLY.

Annual

An Annual Inspection of the Systems shall be carried out to ensure that all parts are operational as designed. This inspection is in addition to the **Regular Maintenance Schedule**.

This Annual Inspection requires at least two people to carry this out.

Pumps

The relevant Pump manuals provide some information on maintenance and fault finding:

- AL-KO, Part 3_1, Pages 12 & 13 for West and Fernery pumps,
- Lowara, Part 3_1, Pages 29 - 35 for Sump Pump
- AL-KO, Part 3_2, Pages 45 & 46 for Manse Pump

Schedules

- A **Regular Maintenance Schedule** and an **Annual Inspection Schedule** are included in this Manual.
- Completed schedule should be returned to the coordinator in order to provide a 'history' of the Systems.

In addition procedures.....

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