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A majority of new houses in Australia are now fitted with rain water harvesting gear. It saves on the water bills and is extremely useful for garden watering. However, this water might not be suitable for direct bathing and drinking. In few countries they use this directly, however in Australia it is termed as non-potable.

Australian homeowners can use rain water as drinkable water if they get the water tested if the users or establishment are certain of its quality. The most common pollutants affecting rainwater (Stored) and their remedies are as follows:

â€¢ Bacteria: The most widespread contaminant of rainwater off the roof of a house is bird droppings and the microbes that these carry. UV filtration kills bacteria, but remembers that the filter must work 24/7 and there must be a way of cautioning the users with a bulb if it is failing or has failed. Double UV filters are obtainable in the market, as are ones with appropriate alarm systems. A cartridge filter prior to the UV filter ensures that a bacterium does not get all the way through the UV filter hiding at the rear of a dust particle. If the water has been filtered and stored in an underground water tank with rat defence, calming tool at the input and balanced intake to the propel, then a subsequent sift in column with the UV filter is not necessary since the water will be completely particle free

â€¢ Heavy Chemicals: If the building is located in the vicinity of a manufacturing industrial zone then testing might show that there is a level of harmful chemicals in the water. A carbon filter is necessary to absorb such chemicals. Heavy metals, nitrates and nitrites if present then Detox alloys are required to clean this water.

Reverse osmosis removes a whole lot of harmful microbes and dust particles. If a minute quantity of high quality drinking water is necessary then a reverse osmosis plant can distribute small quantities with all the elements removed such as taste, odour and everything else. A few supplies extensively advocate the setting up of equipment for adding purifying chemicals to rainwater, though it is a risky option to consider.

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