

STEPS FOR PURIFICATION OF WATER FOR DRINKING

By

ANAND M. SHARAN

PROFESSOR

FACULTY OF ENGINEERING

MEMORIAL UNIVERSITY OF NEWFOUNDLAND,

ST JOHN'S

NEWFOUNDLAND, CANADA A1B 3X5

E-MAIL: asharan@mun.ca

STEPS FOR PURIFICATION OF WATER FOR DRINKING

STEP 1

Fill the pressure cooker shown below with water that people in villages normally drink which contains bacteria.



FIG. 1 PRESSURE COOKER

STEP 2

Heat the water until the pressure cooker gives one whistle. Stop heating and remove pressure cooker from flame with weight and lid on and place it on a table.

STEP 3

Allow the pressure cooker to cool naturally.

In the winter or in colder climates, this cooling would need to be slowed down by providing some form of insulation or a cover.

STEP 4

This cooled water is fit for drinking as per World Health Organization (WHO) standards.