



RayatShikshanSanstha's  
KarmaveerBhauraoPatil College of Engineering  
Engineering Chemistry Lab

## Laboratory Chemical Disposal Report

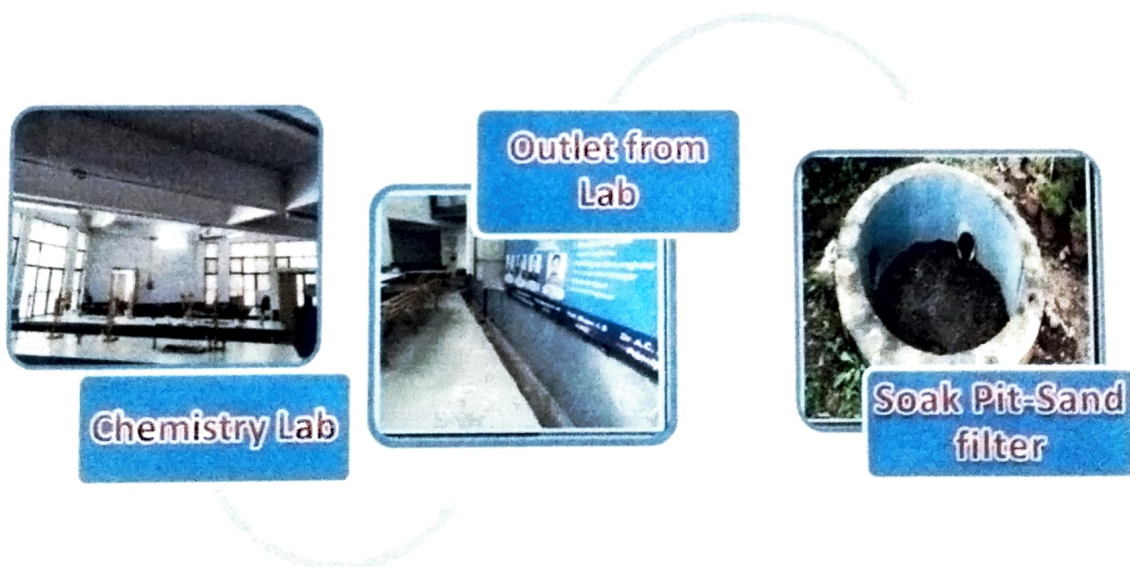
### INTRODUCTION

Our college is using proper chemical disposal method to protect the health and safety of the surrounding communities and the environment.

Examples of Chemical Waste include-

- Unused and surplus chemicals
- Intermediates and by-products generated from experiments
- Used oil of all types
- Finely divided powders
- Preserved specimens etc

### **Flow Chart of Disposal-**





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### **A-Liquid Chemical Waste-**

The wastewater flows from chemistry laboratory through pipes and collected in Soak Pit containing sand. The wastewater flows vertically through a fine bed of sand and gravel. A well-designed and properly maintained sand filter effectively removes turbidity and pathogenic organisms through various biological, physical and chemical processes in a single treatment step.

Slow sand filtration systems are applied here which is highly reliable. It is very convenient and economical process. Hence, Our college is using slow sand filtration process which is a promising filtration method for wastewater.

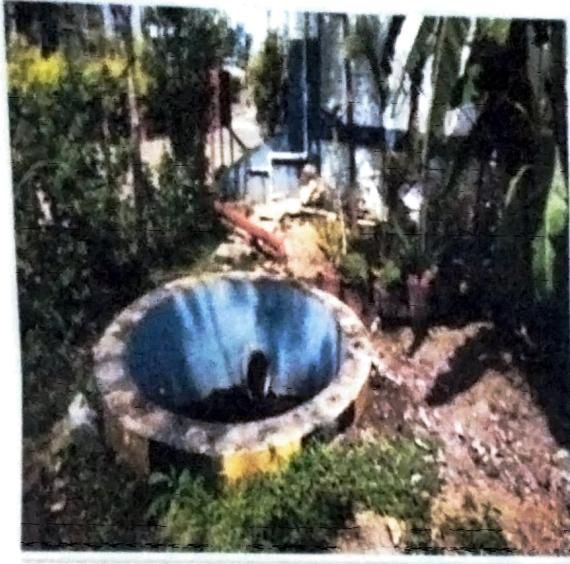
The basic principle of the process is very simple. Wastewater flows through a layer of sand, where it removes all sediments.

### **B-Clean, Uncontaminated Broken Glassware**

Unwanted clean non-broken glassware and plasticware can be packaged up by the laboratory personnel and taken to the dumpster or recycling area.



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SOAK PIT FOR WASTE WATER



Babar

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