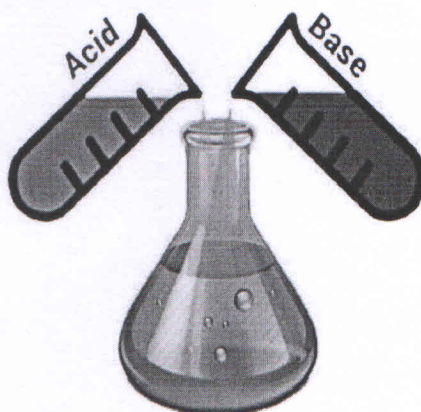


Chemical Waste Management:

Chemical waste disposal:

The chemical reagents and products of Chemistry laboratory do not meet the definition of a hazardous waste. If the liquid waste produced exhibits acidic nature neutralized with acid and the alkaline waste neutralized with acid. The liquid waste consists of metal ions like Mn^{+2} , Cr^{+3} subjected to adsorption onto activated carbons prepared from agricultural waste. Later the metal ion loaded activated carbons mixed with tar used in the construction of nearby roads. The finely powdered Bakelite prepared in the laboratory used in cement mortar to replace natural sand.

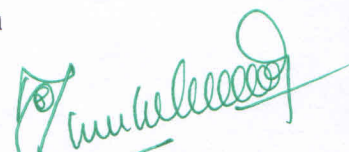


Salt + Water

Neutralization

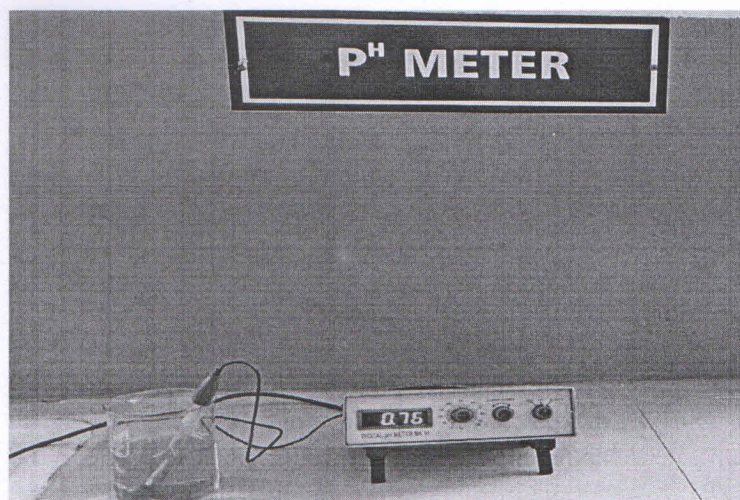


Agitation of Metal contaminated solution with activated carbon

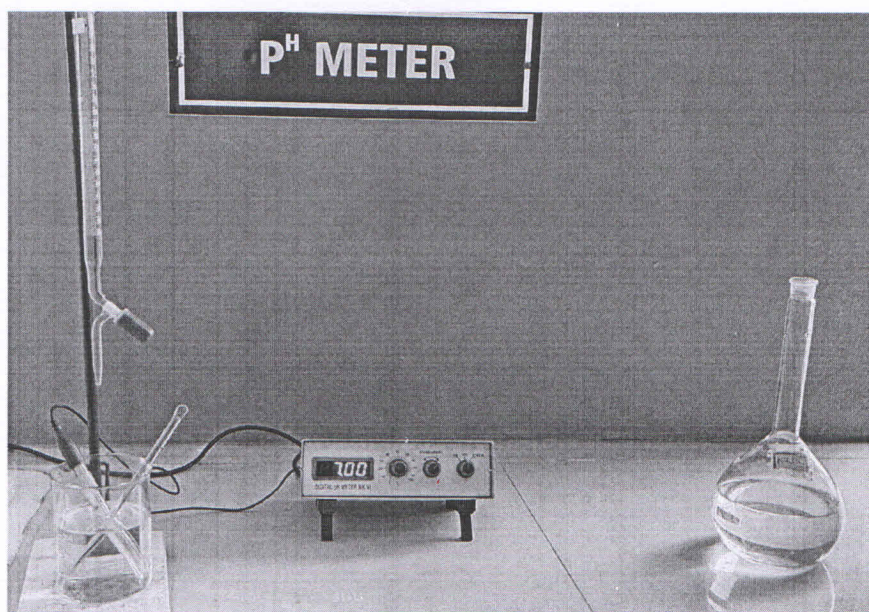

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In SRKIT the Chemical Waste from the Chemistry lab is Disposed by Neutralizing, after finding whether the waste acid or alkaline in nature. If the liquid waste is acidic nature it is neutralized with base or otherwise alkaline waste neutralized with acid. The nature of chemical waste is measured using PH meter in the laboratory.



Chemical waste with high acidic nature before treatment



Neutralization of chemical waste from Chemistry laboratory before drain.

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In another method Chemical waste is combined with the concrete and the strength of the concrete is measured. If the strength of concrete is increased same procedure will be adopted in order to dispose the Chemical waste.



Concrete mixed with chemical waste



Concrete Cubes after adding Chemical waste


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