Acme Presentation

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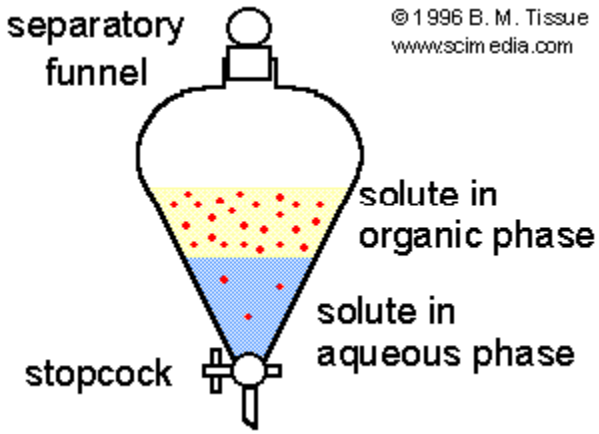
TAC Process

- Has most expensive waste and also profitable production here
- We can save money by treating the aqueous sodium chloride in house and selling the salts that come from it

Aqueous Sodium Chloride

- Produced in both 5-MBT and TAC processes
- Can filter out the organics with use of a large industrial sized separatory funnel
- The bottom layer of sodium chloride solution will be drained out the bottom of funnel
- This will then be placed in large evaporation pans and collected when all the salt is dry(as seen on next slide)

Separatory funnel and Evaporation pans



Potassium Sulfate

- Produced in 2-MTZ
- Same process of separating and drying as Sodium Chloride wastes
- Can sell the salts that come from it as fertilizer

Toluene

- Produced in 5-MBT and TAC processes
- Found a fairly cheap chemical with a high affinity for toluene and low affinity for derivatives of thiophene and benzothiophene
- Will dissolve the waste toluene with found chemical and the polymeric will precipitate and be filtered out of solution leaving giving pure toluene to be sold.

2-MTZ and CAT Processes

- Quality assurance checks had been made last week to reduce the amount of product that ends up in waste
- I was personally there to monitor the process and noticed that we are being sloppy in measuring the exact amount of chemicals that are being reacted together this led to some product being wasted
- There will be quality assurance checks every week from now on to save us from losing anymore product

Quality Assurance and Control Checks

- They will occur once a month to insure that no one is being sloppy
- Every night there will be a lab manager checking the lab to make sure everything is properly labeled and put away and closed properly so we will not fined again