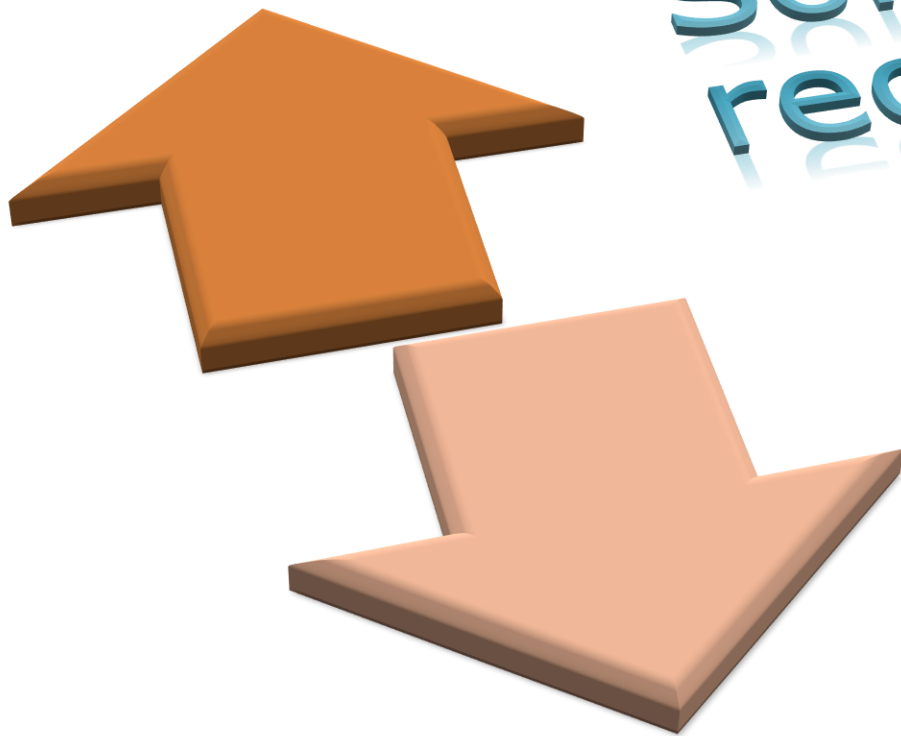




Absorption

April 2016

Absorption



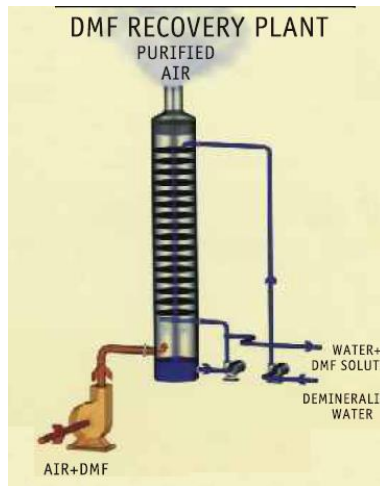
Solvent
recovery

Pollutant
removal



Absorption: solvent recovery

DMF, NMP is highly soluble in water; TM.I.P. exploits this characteristic of the soluble water solvent that can be recovered by washing the air in counter current air stream with water in a plates tower. Solvent is collected on the bottom of the tower in solution with water. The solution will be distilled to recover pure solvent.



Absorption: pollutant removal

Pollutants removal takes place through a “washing” process by means of liquid. Particles with diameter $> 1 \mu\text{m}$ that impact water droplets or wet surface generates the absorption process. A liquid detains small particles by absorption that is the selective passage of one or more gaseous components into liquid phase.

The liquid incorporating the pollutants is then recovered on the bottom of the washing tower and treated.

