

Educational Trip of Civil Engineering Students at Majmaah Sewage Treatment Plant, Dated: 21/01/1433 H

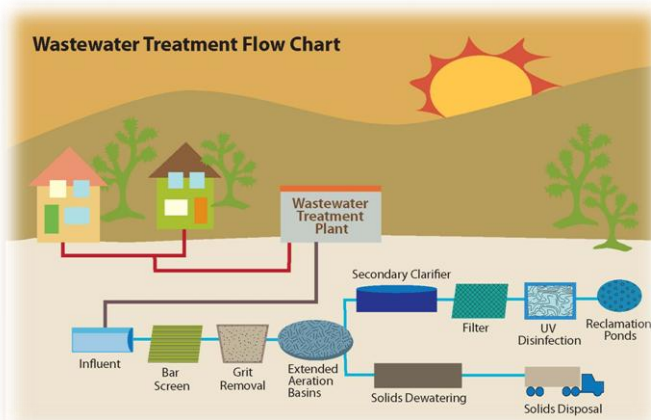
Advantages of the Educational Trip of the Wastewater Treatment Plant:

A lot of information can be picked up quickly, the equipment and facilities that could not be experienced in the college become available, exposure of scale/size that does not come across in pictures or videos - walking into a major facility with huge rooms and large equipment all new.



Facts and figure about the plant: *No. of shifts-2, Capacity-500m³/day, Service area- City Majmaah,*

Characteristic		pH		Alkalinity (mg/l)		Chem. O ₂ Demand (mg/l)		Suspended Solid (mg/l)		Ammonia (mg/l)	
Influent	Effluent	7.2	6.63	388	178	640	156	115.2	41.4	79	72



The following processes are taking place at the Sewage Treatment Plant:

Sewage Collection Tank: Storage of sewage from incoming stream.

Screening: Removal of floating materials such as paper, rags, plastics etc.

Grit removal: Removal of dense solids such as sand and gravels.

Primary sedimentation: Removal of some light organic matter.

Biological Oxidation and Secondary Sedimentation: Oxidation of much of the remaining organic matter and its removal.