

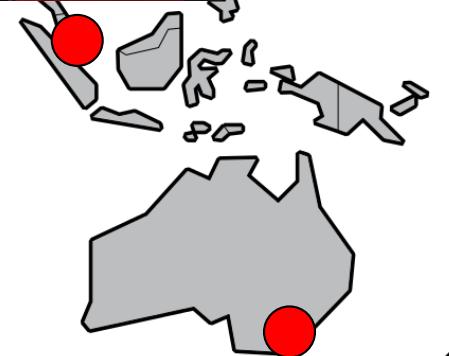
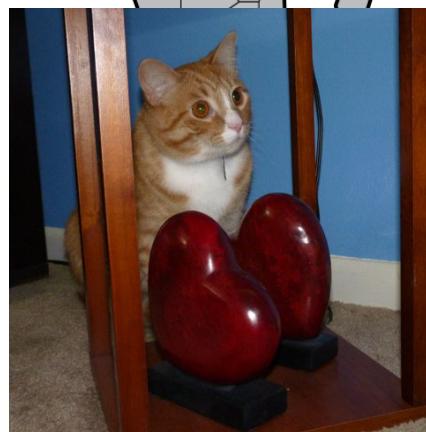
Fluid Mechanics

ENGR30002!

Where are you from?



A brief history of me...



What do you think FM is about?

What will we learn in Fluid Mechanics?

In this class we will study the physics of fluids

How fluids behave when static [Putting forces onto fluids](#)

How fluids behave when flowing

Why do we care about fluid flow?

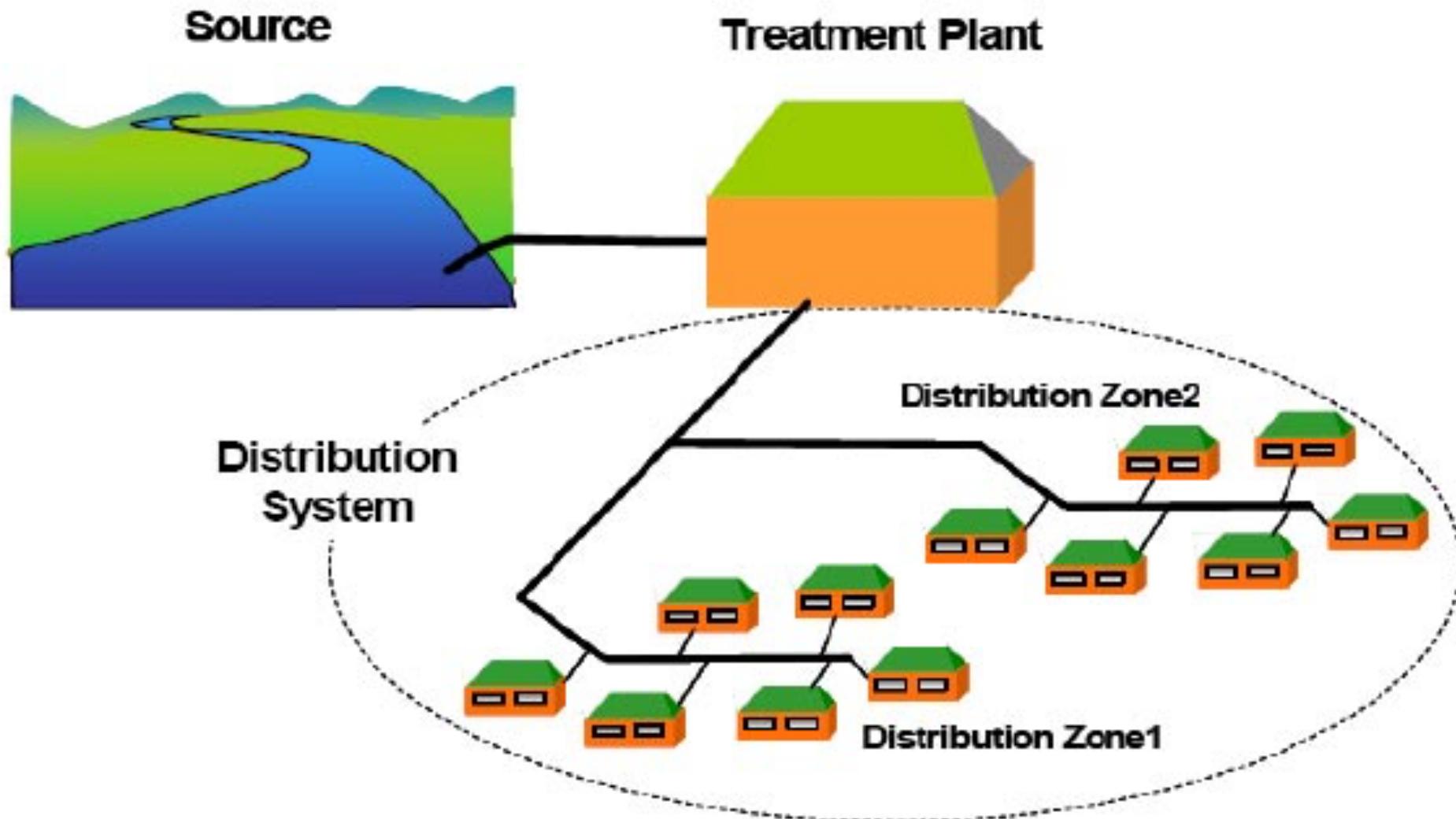
Controlling fluid flow is critical for a practicing chemical or infrastructure engineer

Essentially all projects you work on, will have some form of flowing liquid involved

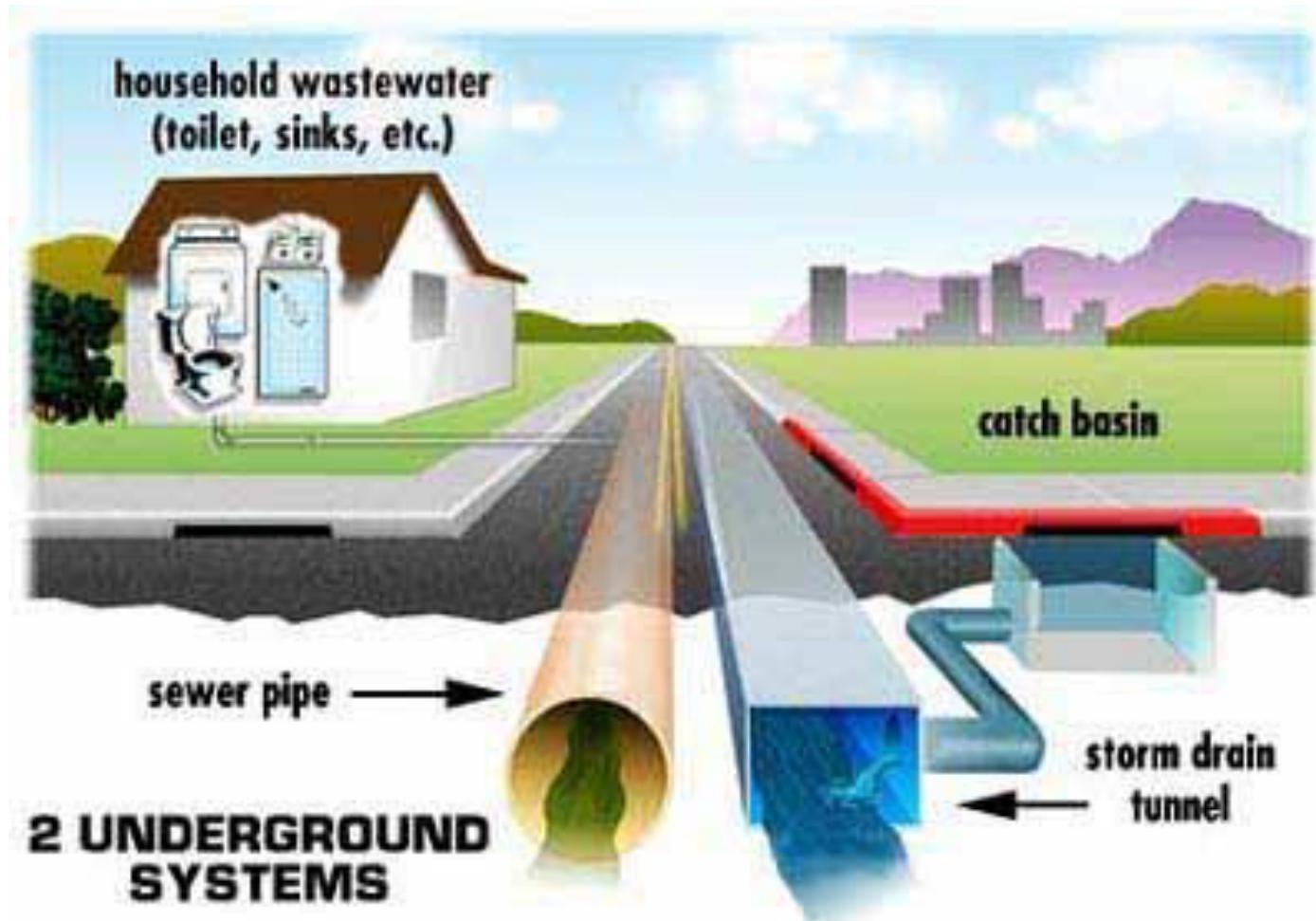
In this class we will teach you how to achieve the desired flow

[Flow and liquid what projects we will come across later](#)

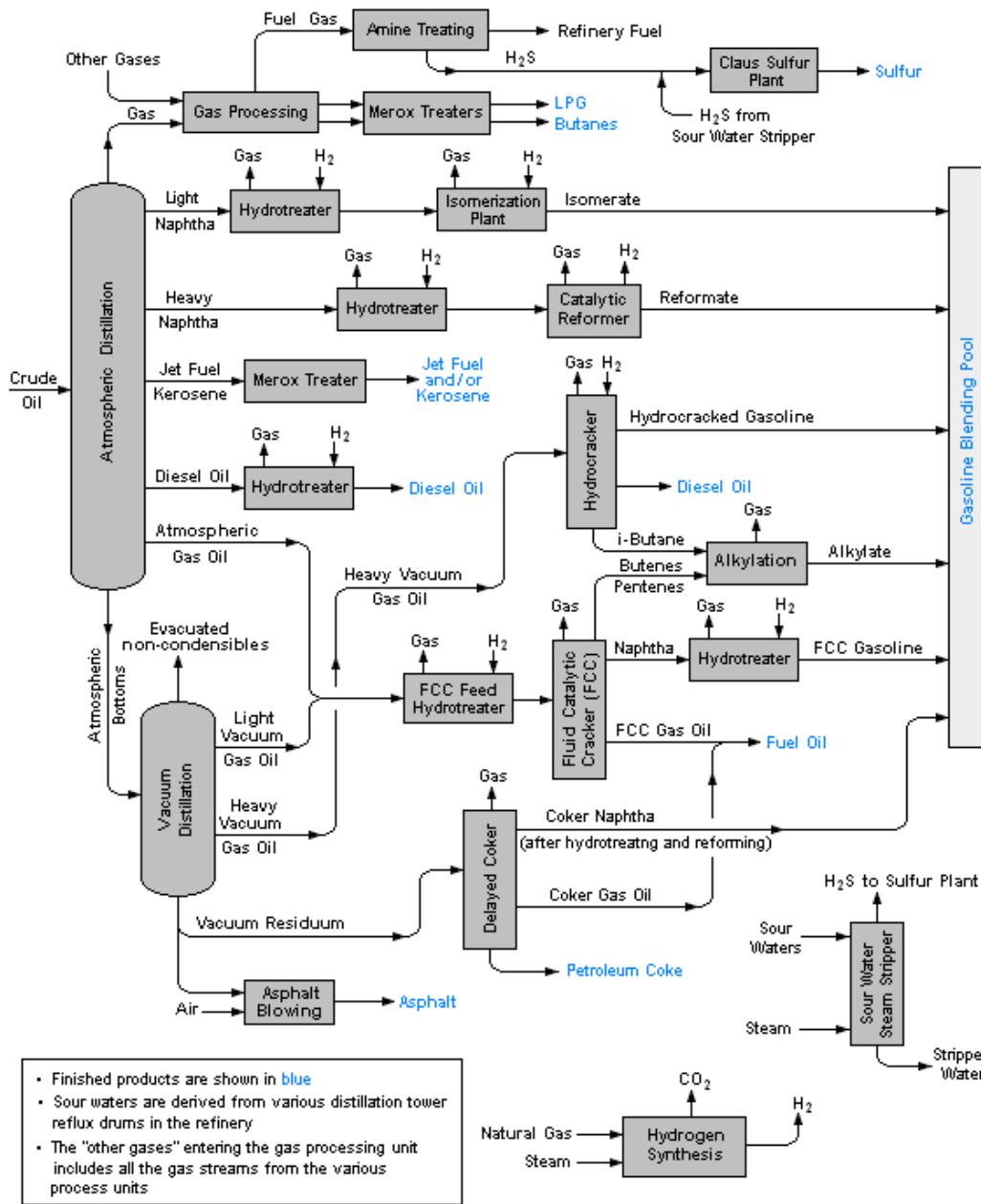
Water distribution system



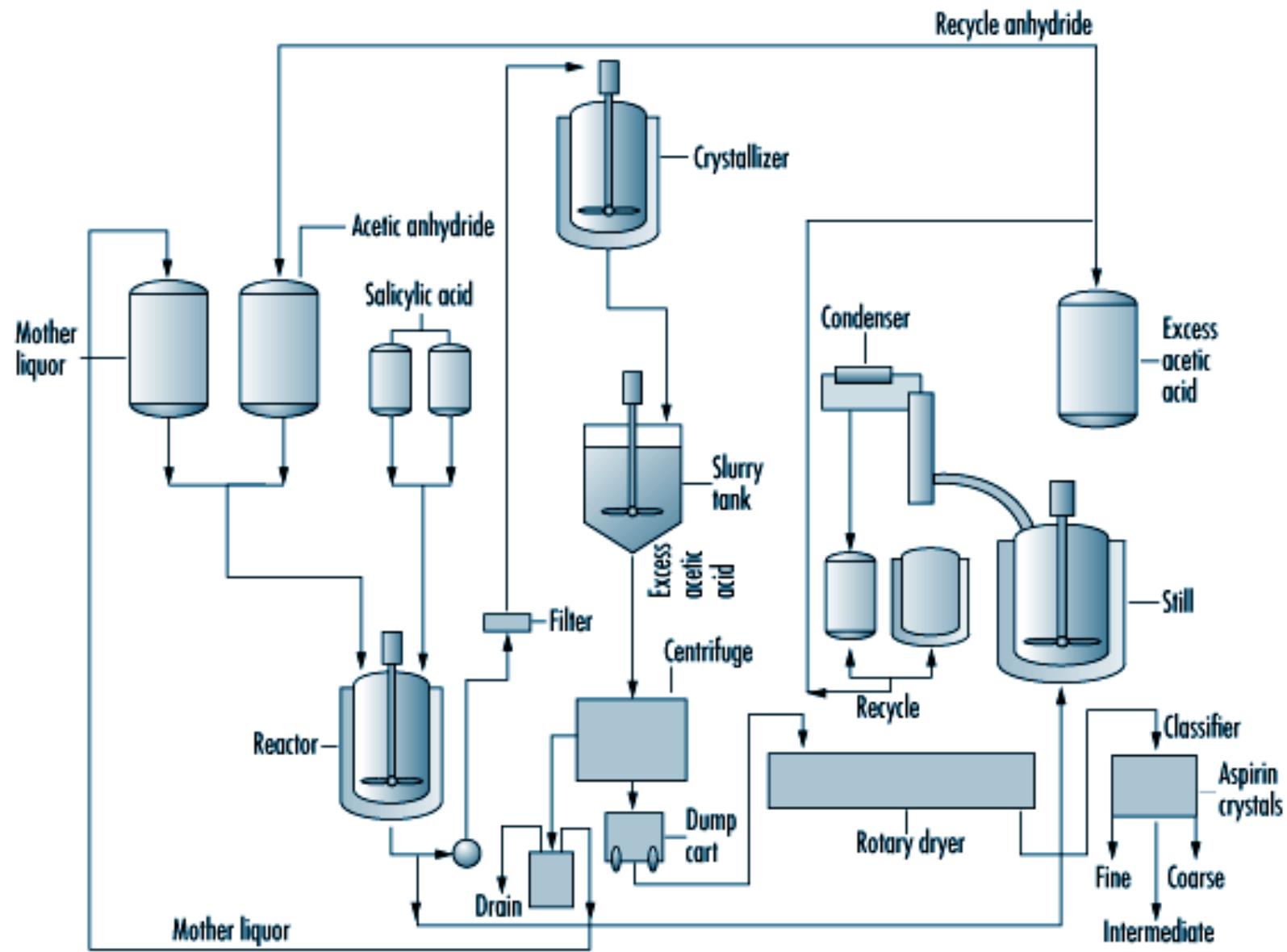
Water drainage system



Process flow diagram for crude oil processing



Process flow diagram for pharma production



Source: EPA 1993.

Topics we will cover in this class

