

Key Summary in Presentation

- Aeronautical Engineer, 15 years experience in industrial filtration, air pollution control & waste sorting.
- Established technology is available to effectively control emissions of microplastics in air and water – PFAS in water as well.
- Seen the good, bad & ugly with resource recovery in Australia.
- The issue with protecting people & environment is not:
 - Who owns/operates facility or,
 - Lack of technology/engineering solutions

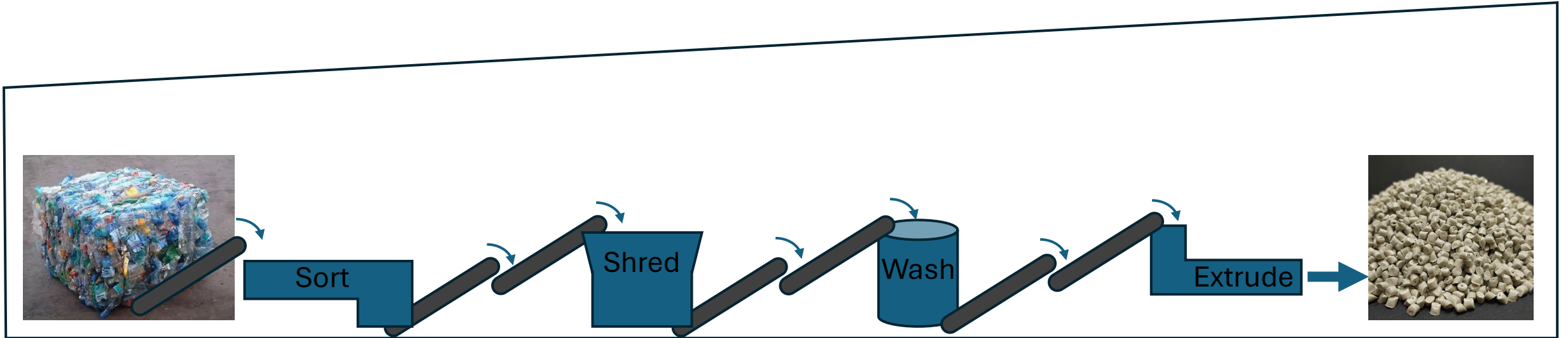
The issue is ensuring enforcement of compliance and maintenance of equipment.

Treating Microplastic in Air & Water

What follows is a description of how environmental engineering companies treat microplastics in air and water for industrial facilities to keep people & the environment safe.

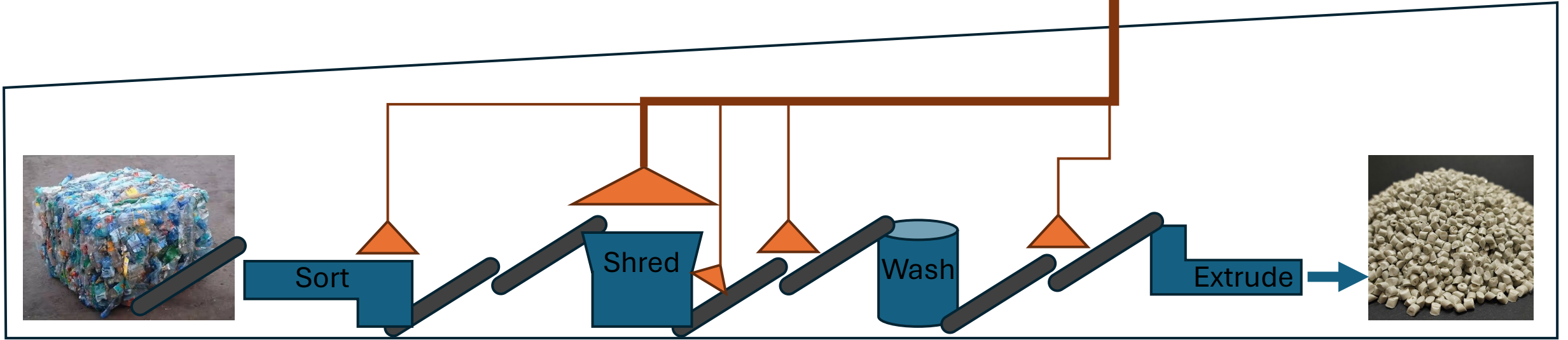
Companies like ours have to guarantee to meet emission limits

The Basic Process

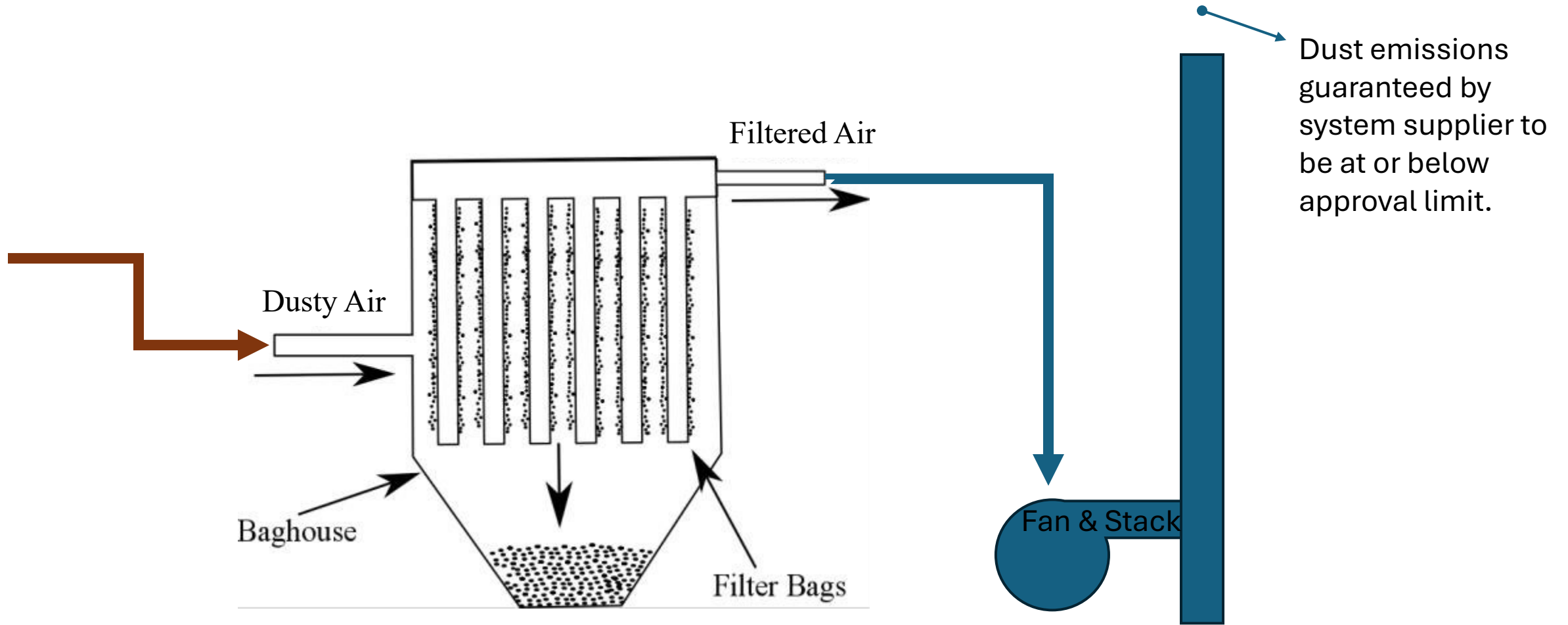


Dust Point Source Treatment

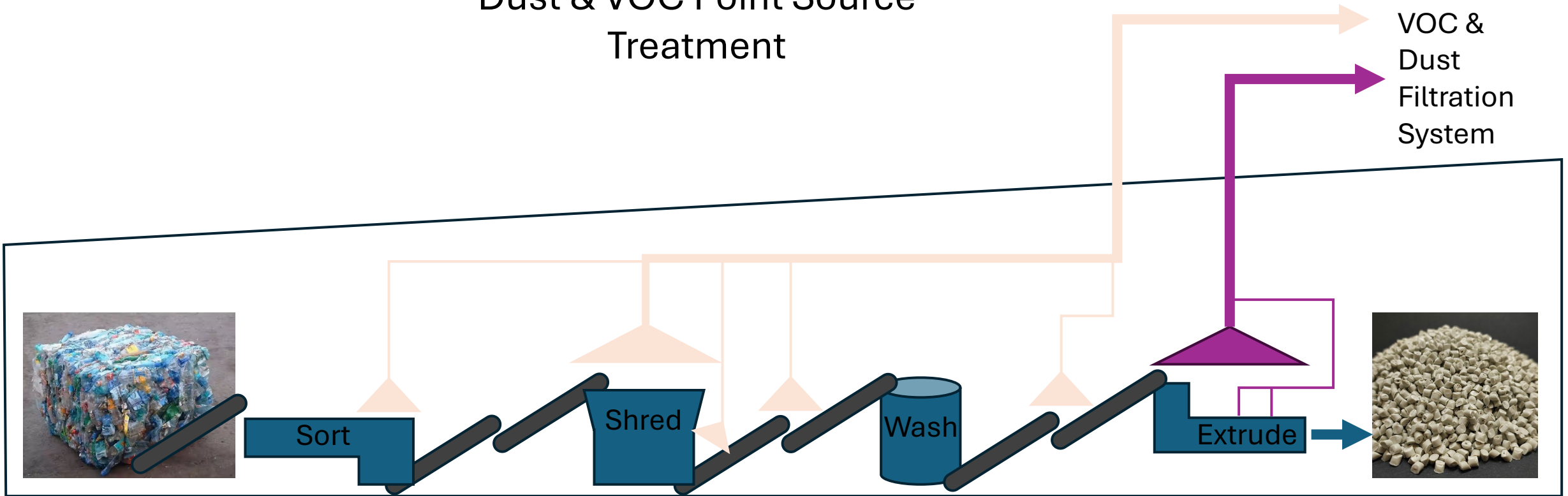
To Dust Filtration System



Dedusting System (Simplified)

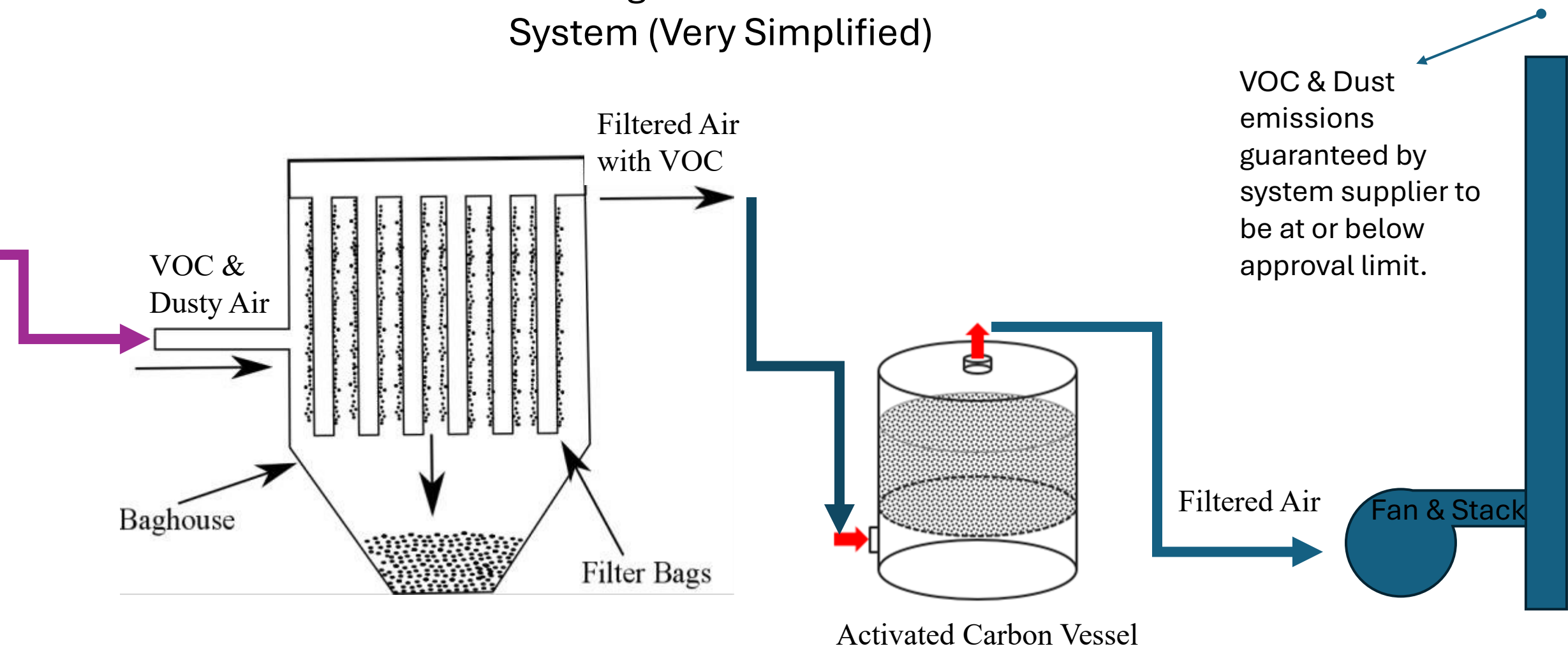


Dust & VOC Point Source Treatment

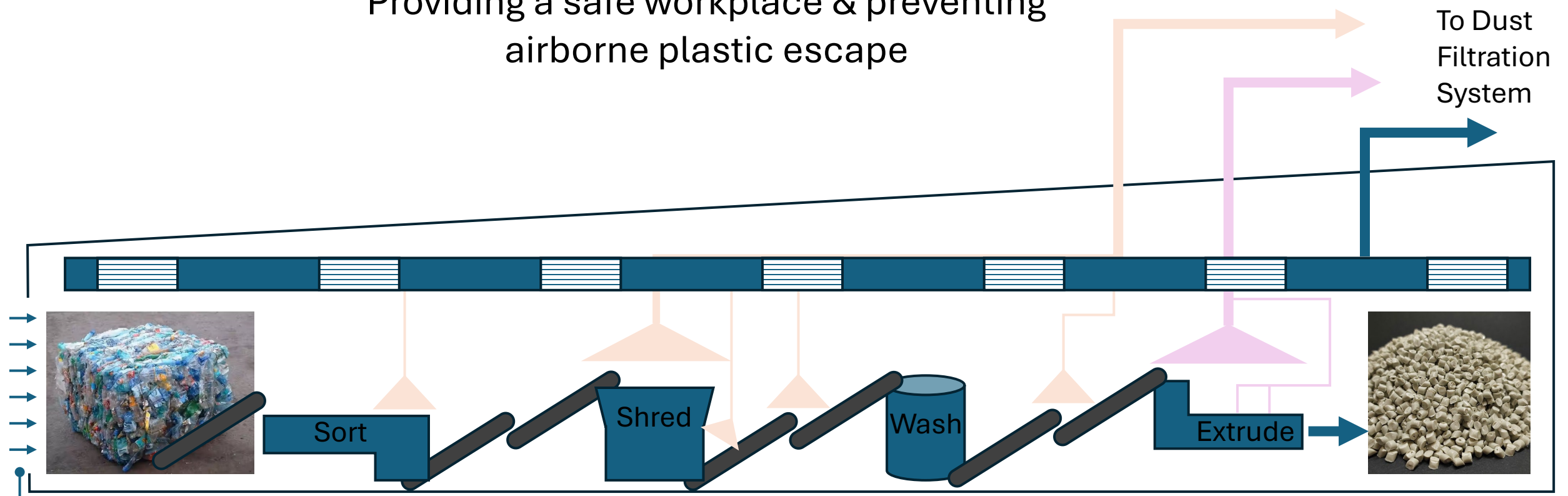


VOC &
Dust
Filtration
System

Dedusting and VOC Filtration System (Very Simplified)



Providing a safe workplace & preventing airborne plastic escape



Sized for 1m/s (for example) with a door open. Air flows into the building, not out.

Water Treatment

