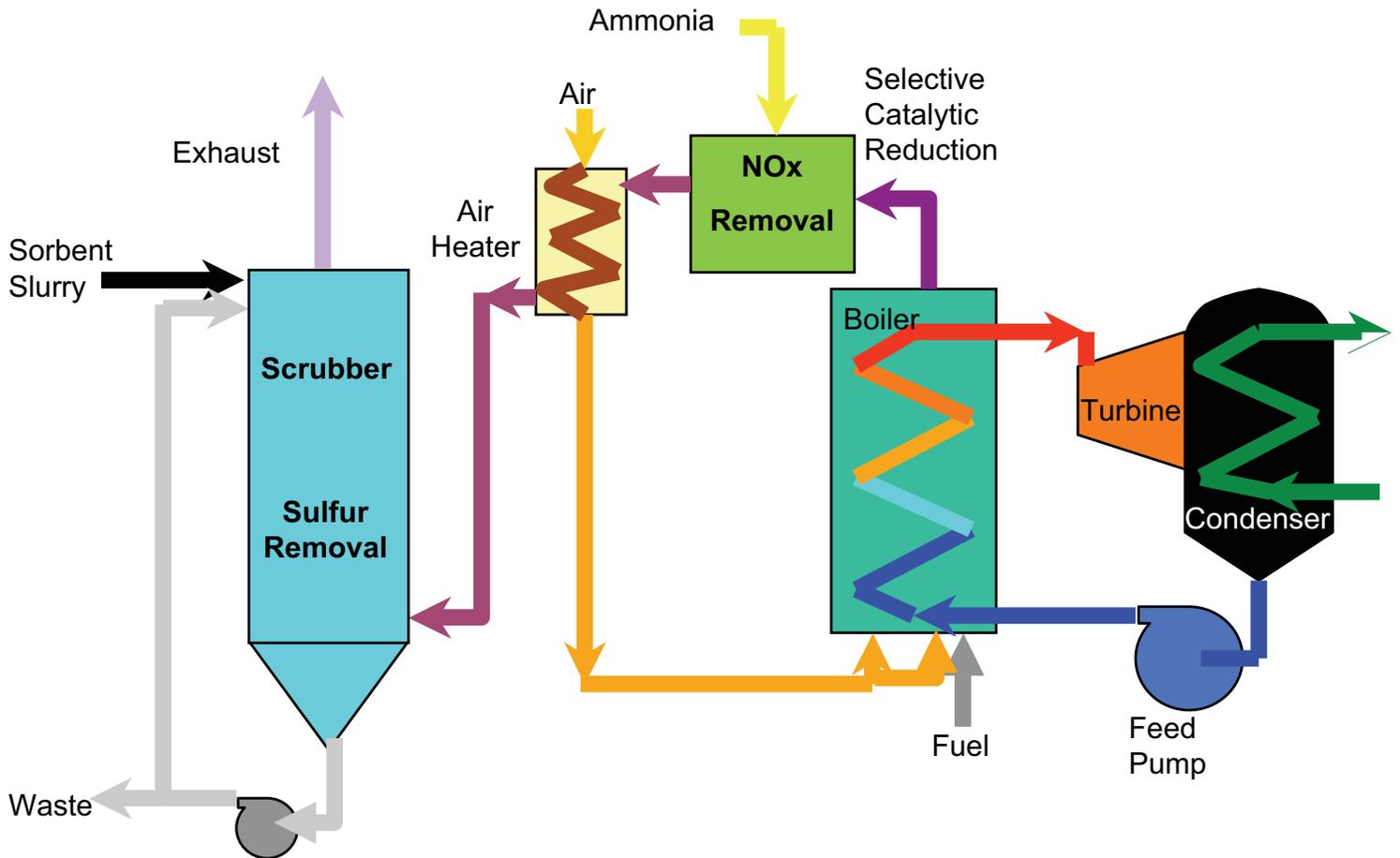


# Pulverized Coal



In a Pulverized Coal-fired plant, finely ground (pulverized) coal is injected into the boiler with sufficient air to ensure combustion. In the boiler, heat is absorbed from the resulting hot gas to boil water and make steam to run a steam turbine and generate electricity. NO<sub>x</sub>, SO<sub>2</sub>, and particulate material are removed from the gas after it leaves the boiler and before it is released into the atmosphere. The majority of all electricity currently generated in the United States, including TVA, is produced by plants with pulverized coal (PC)-fired boilers and steam turbine generators.