

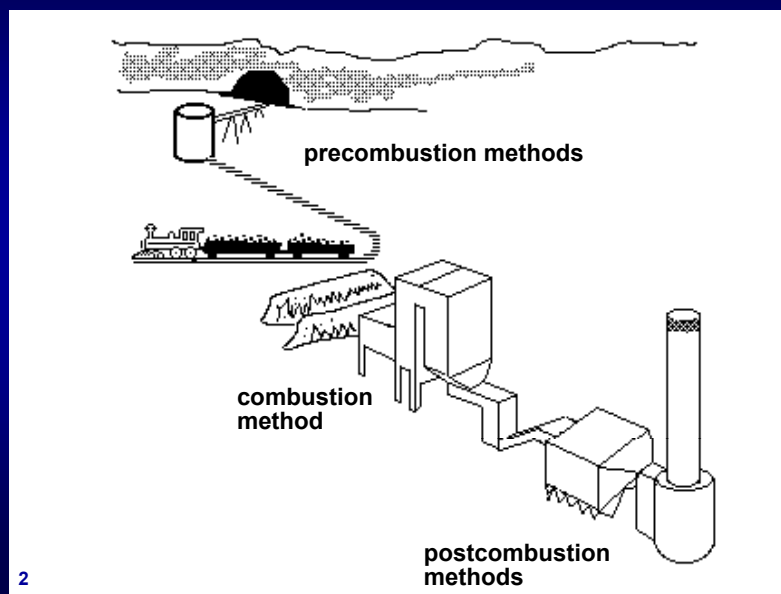
Methods to Reduce Sulfur Dioxide Emissions From Coal-Fueled Utilities



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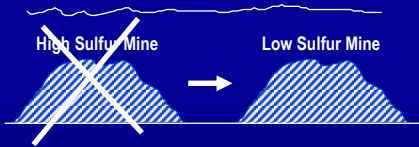


Three classes of methods exist for reducing emissions of sulfur dioxide

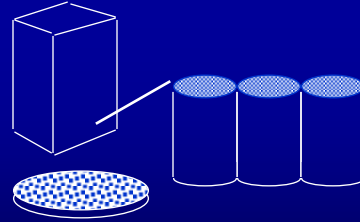


Coal switching and coal cleaning are two precombustion methods

Coal Switching



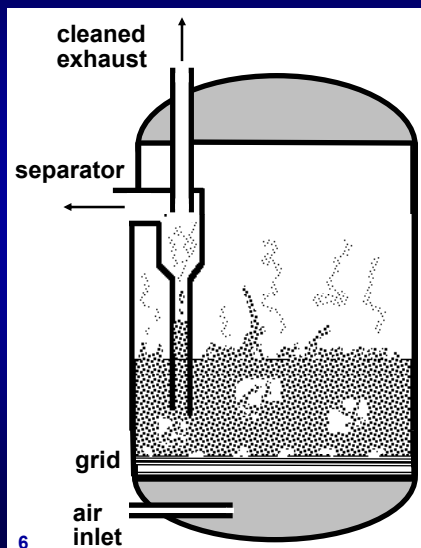
Coal Cleaning



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The most effective combustion method is an atmospheric fluidized bed



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ability to remove 90% of SO_2 emissions

low capital cost—able to use in existing equipment

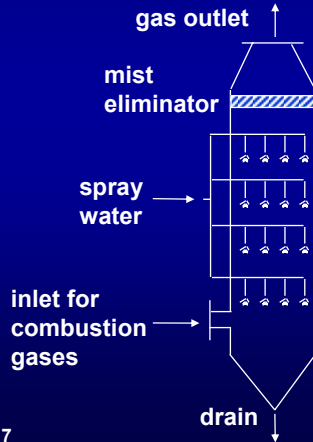
high operating cost

ability to use different grades of coal

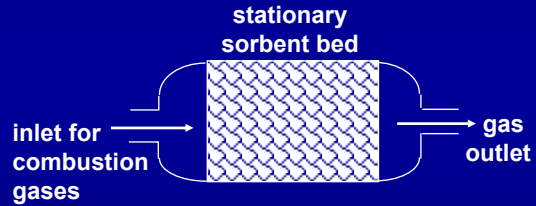


Absorption and adsorption are two postcombustion processes

Absorption



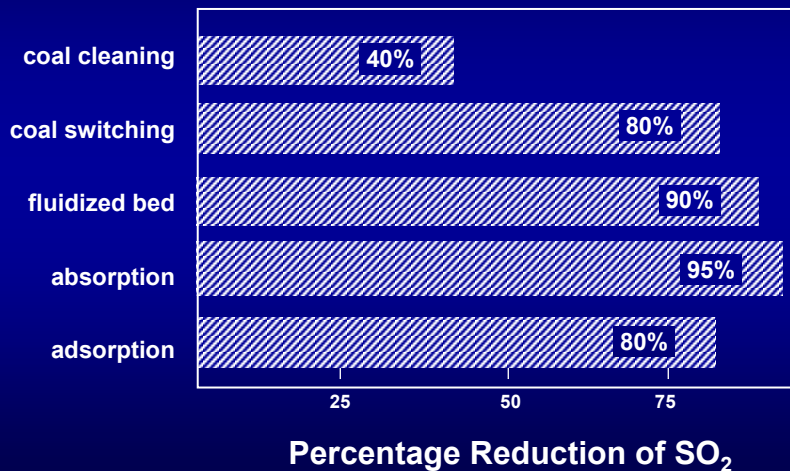
Adsorption



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In summary, by using these methods, coal utilities can greatly reduce SO₂ emissions



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