

Start

Adobe Slide Sampler

<Ctrl>L goes into slide mode

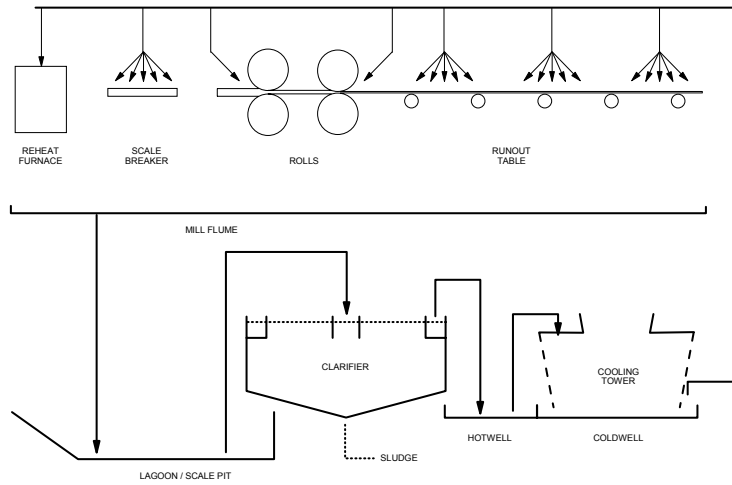
Page from a Word document

very effective system is designed and

throughout the products are

The standard a heavy industrial location where the sprays are total evaporation than the sprays in the tower.

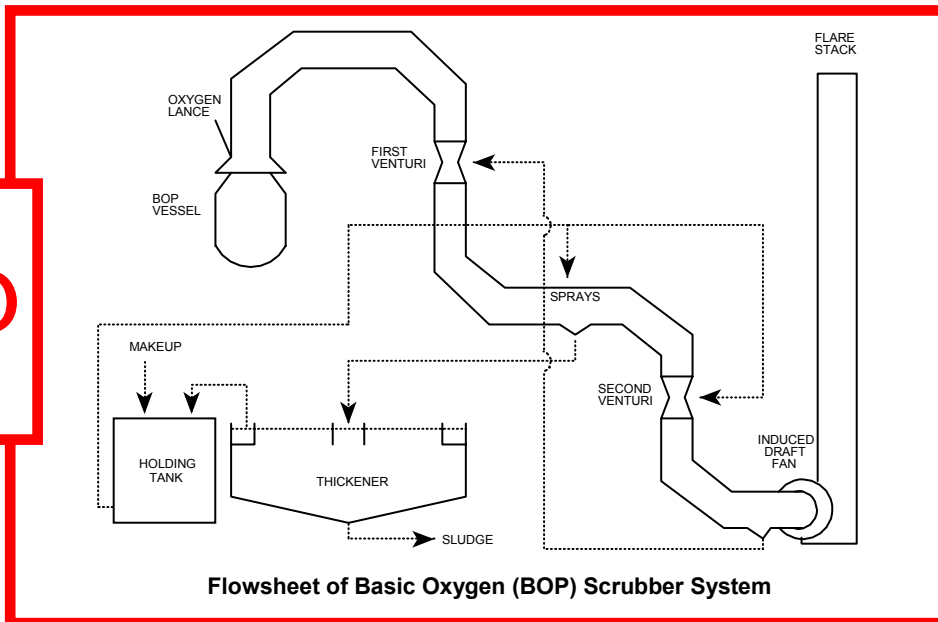
be used in the only to occur in addition to the



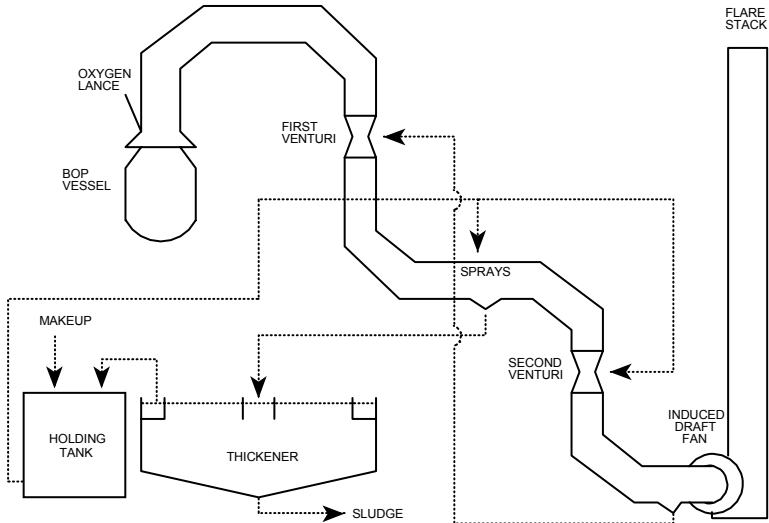
Alternative Cooling Circuit in a Typical Steel Rolling Mill

Gases Many industrial processes discharge hot gases that must be cleaned and cooled before they can be released to the environment. The Basic Oxygen Process (BOP) for steel making starts with a ladle of molten iron into which is added scrap metal plus a lime flux. An oxygen lance is inserted into the vessel and the oxygen removes the carbon from the molten iron by converting it into carbon dioxide. Any incomplete conversion would form carbon monoxide which will be converted to the dioxide in the flare stack. On the way, it is both cooled and cleaned with water sprays, which remove any lime and iron oxide particulates that carryover with the hot blast.

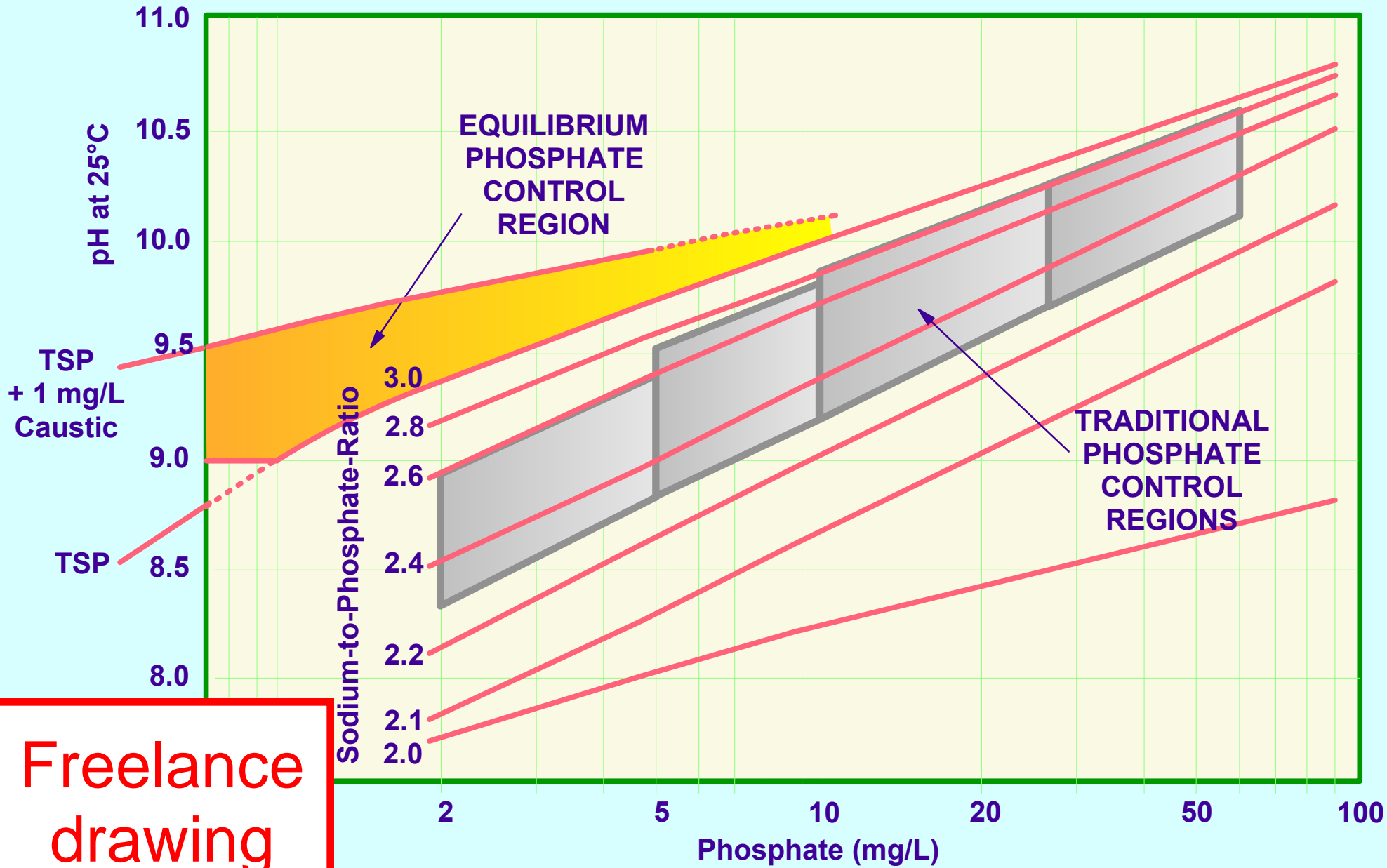
crop



Flowsheet of Basic Oxygen (BOP) Scrubber System



Flowsheet of Basic Oxygen (BOP) Scrubber System



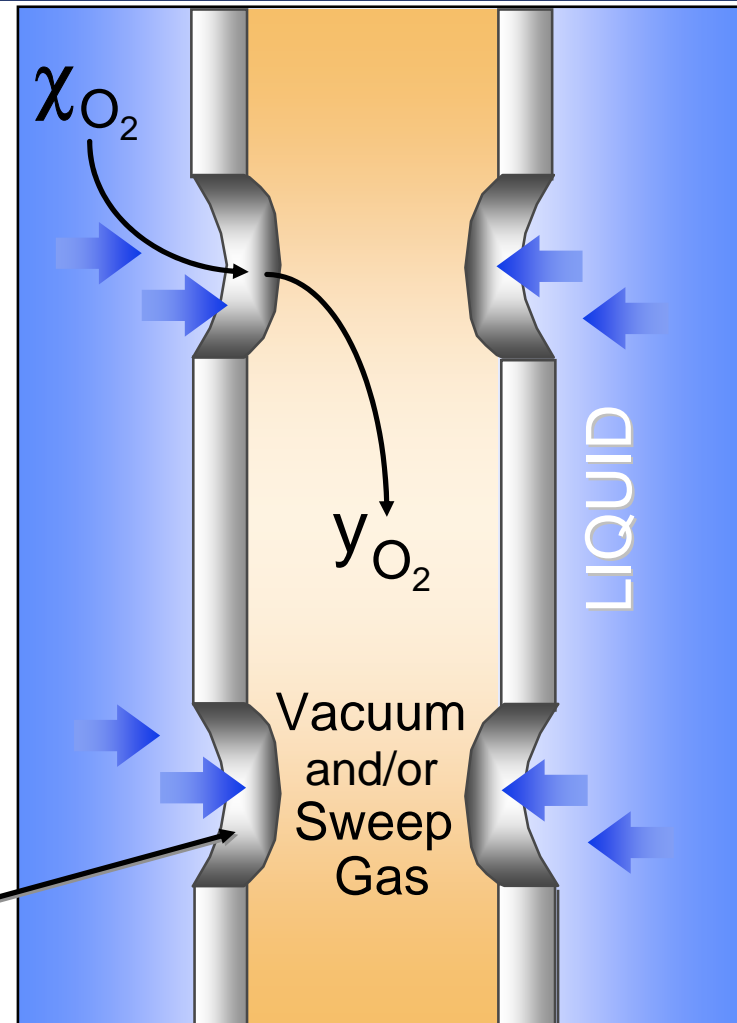
Freelance drawing

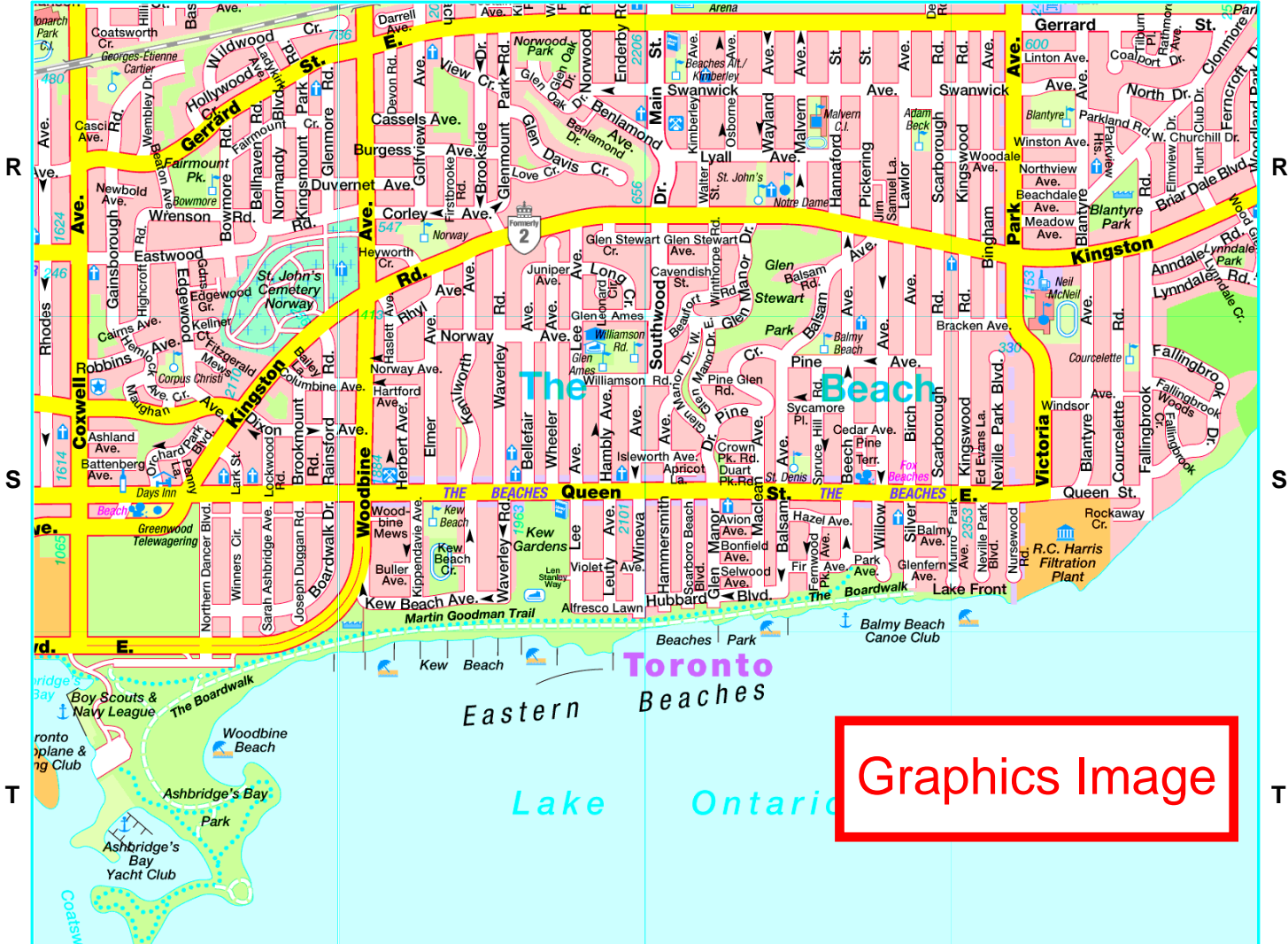
REVISED pH - PHOSPHATE CONTROL CHART SHOWING EQUILIBRIUM PHOSPHATE REGION

Principles of Gas Transfer

- „ Gases in the Atmosphere Dissolve into Water until Equilibrium is Reached
- „ Equilibrium between the Liquid and Gas Phase Is Offset when a Vacuum and/or Source of Strip Gas is Applied
- „ This Creates a Driving Force to Move Gases from the Liquid Phase into the Gas Phase

Liquid/Gas Contact Area at the Pore





End

Adobe Slide Sampler

Press <Esc> to return to normal mode