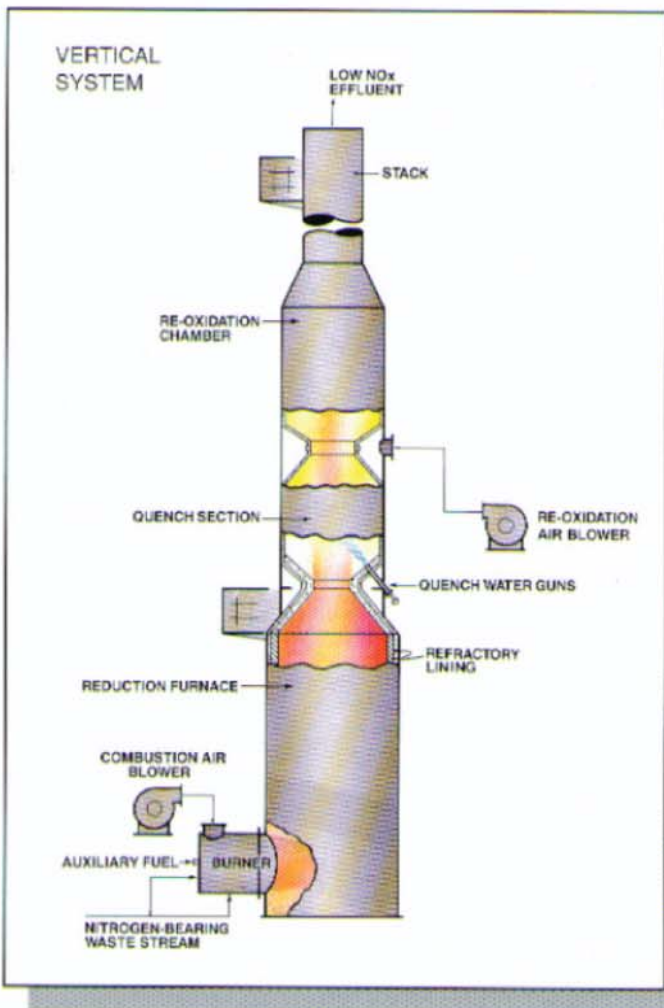
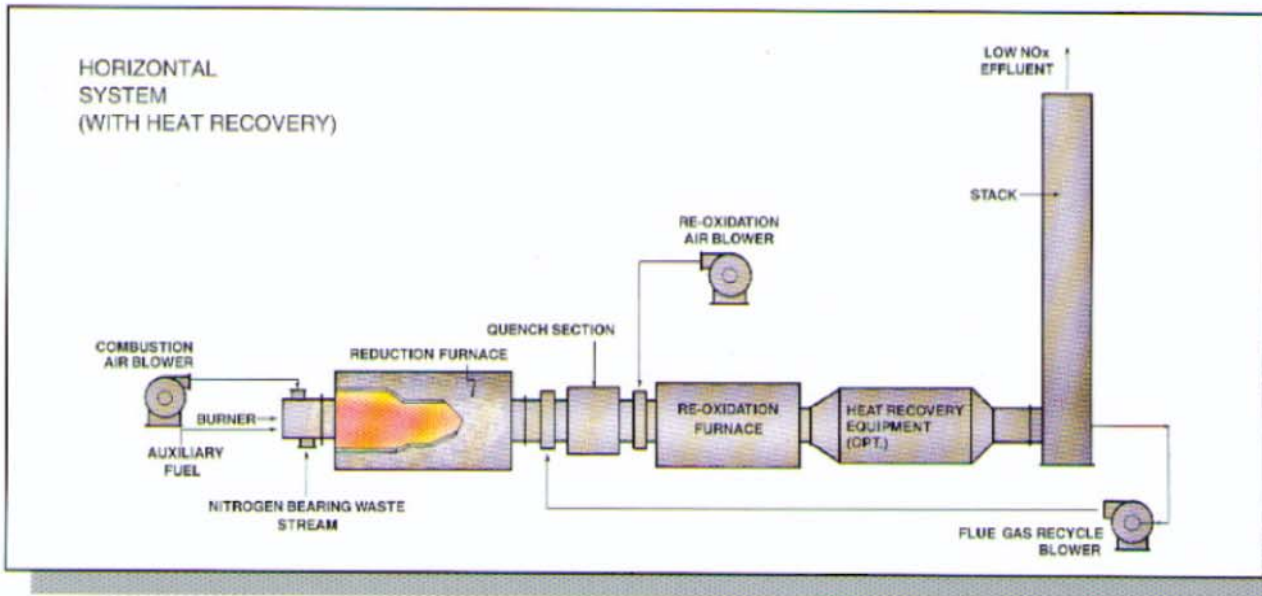




Effective incineration of chemical wastes containing nitrogen compounds requires a special approach. The John Zink NO_xIDIZER® is the most reliable system available for limiting NO_x formation in the incineration of nitrogen-bearing wastes.

Advantages John Zink offers:

- Destroys nitrogen-bearing organic wastes at efficiencies greater than 99.99%
- Limits NO_x production during the incineration process
- 40 years of specialization in incineration systems
- All major components built in John Zink's shops



At elevated temperatures, the incineration process can convert bound nitrogen in the waste to stable oxides of nitrogen (NO_x). John Zink's NO_xIDIZER[®] limits NO_x formation by combusting the waste in a three-stage process. Waste is first burned in a reduced-oxygen environment where free hydrogen and carbon monoxide compete for the limited oxygen, forcing the free nitrogen to form molecular nitrogen gas. The stream is then quenched to a lower temperature. In the last stage, the temperature and oxygen are maintained at moderate levels to limit thermal NO_x formation.

Many waste streams contain oxygen which must be consumed by burning auxiliary fuel in the first-stage burner. It is often economical to install a heat-recovery boiler to conserve fuel and create steam for plant use.

JOHN ZINK

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