

## Publication Abstracts – Petrochemicals

**R.W. Baker, K.A. Lokhandwala, M.L. Jacobs, and D.E. Gottschlich, "Recover Feedstock and Product from Reactor Vent Streams," *Chemical Engineering Progress* 96, 51 (2000).**

Several case histories for membrane vent-treatment systems used in a variety of processes are summarized to illustrate the range of application of this technology in the real world. Applications discussed and illustrated include

- Hydrogen recovery from ammonia plant vents
- Monomer recovery in PVC production
- Monomer recovery in polyolefin plants
- Distillation column vents

A number of novel units are being installed. System payback times are very good, because even relatively small vent streams can provide an annual feedstock recovery value of \$0.5-2.0 million.