

# FEBRUARY 27, 2025 CLE AICHE MEETING DELAYED TO MARCH 13TH “Battelground Plant Startup with FORTRAN IV Dynamic Simulation”

WITH DR. DONALD J. HARVEY & DR. J. ROBERT FOWLER; CSU FENN COLLEGE & DIAMOND SHAMROCK COMPANY

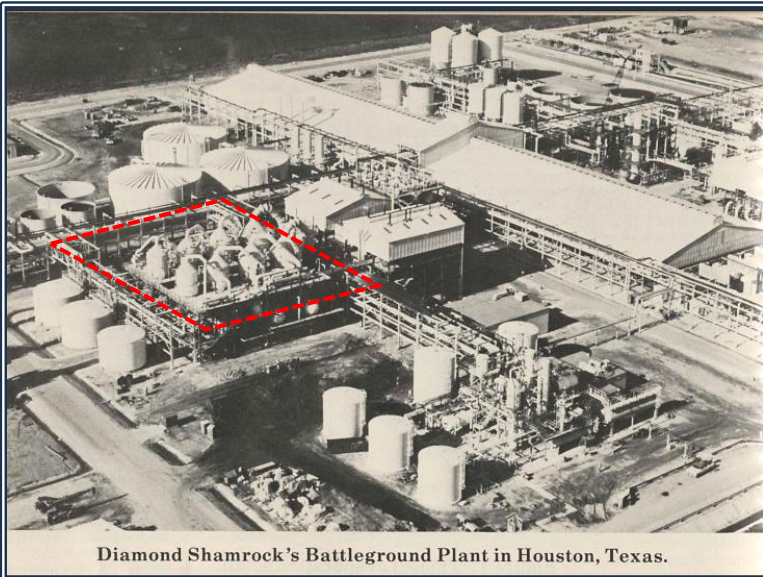
**THE YOUTUBE VIDEO:** [HTTPS://WWW.YOUTUBE.COM/WATCH?V=-O64ETZP5EA](https://www.youtube.com/watch?v=-O64ETZP5EA)

Putting Evaporators to Work:

## Dynamic Process Modeling of a Quadruple Effect Evaporation System

The digital simulator was responsible for locating a number of bottle-necks prior to startup, for controlling tuning, and for examining overall system stability.

D. J. Harvey and J. R. Fowler, Diamond Shamrock Corp., Cleveland, Ohio



D. J. Harvey is an associate professor of chemical engineering at Cleveland State Univ. where he teaches thermodynamics, mass transfer, process control and dynamic process simulation. He also works as a consultant for the Diamond Shamrock Corp., specializing in the area of process simulation. He earned his B.S., M.S., and Ph.D. degrees in chemical engineering at the Univ. of Michigan. He also earned an M.S. degree in mathematics at the same institution.



J. R. Fowler is a process engineer, Chemical Engineering Dept., Diamond Shamrock Corp., where he is primarily involved with reaction kinetics and process simulation. He earned his B.S.Ch.E. at the Univ. of Louisville and his M.S. and Ph.D. degrees from the Univ. of Toledo.

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J.R. FOWLER

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