RIC 2003
Operating Experience Assessments, Session T9

Opportunity to Improve Operating Experience Program Effectiveness

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April 17, 2003

INPO

"There must be a systematic gathering, review, and *analysis of operating experience* at all nuclear power plants ... coupled with an industry-wide international communications network to *facilitate the speedy flow of this information* to affected parties. If such experiences indicate the need for modifications in design and operation, such changes should be implemented according to realistic deadlines."

Kemeny Commission
October 1979

INPO Significance Criteria

- **Qualitative Criteria Based on Principles of Excellence**

  - Actual or Potential to affect:

    - ✓ *Nuclear Safety* - SOER 02-4, "Reactor Pressure Vessel Head Degradation at Davis-Besse Nuclear Power Station"

    - ✓ *Nuclear Reliability* - SOER 02-3, "Large Power Transformer Reliability"

    - ✓ *Radiation Safety* - SOER 01-1, "Unplanned Radiation Exposure" (WANO Conversion)

    - ✓ *Industrial Safety* - SER 2-98, "Recurring Electrical Shock Events"

Current Events Analysis Products

- **Significant Operating Experience Reports (SOERs)**

- **Significant Event Reports (SERs)**

- **Significant Event Notifications (SENs)**

- **Just-in-Time Briefings**

INPO

2002 Industry Event Screening
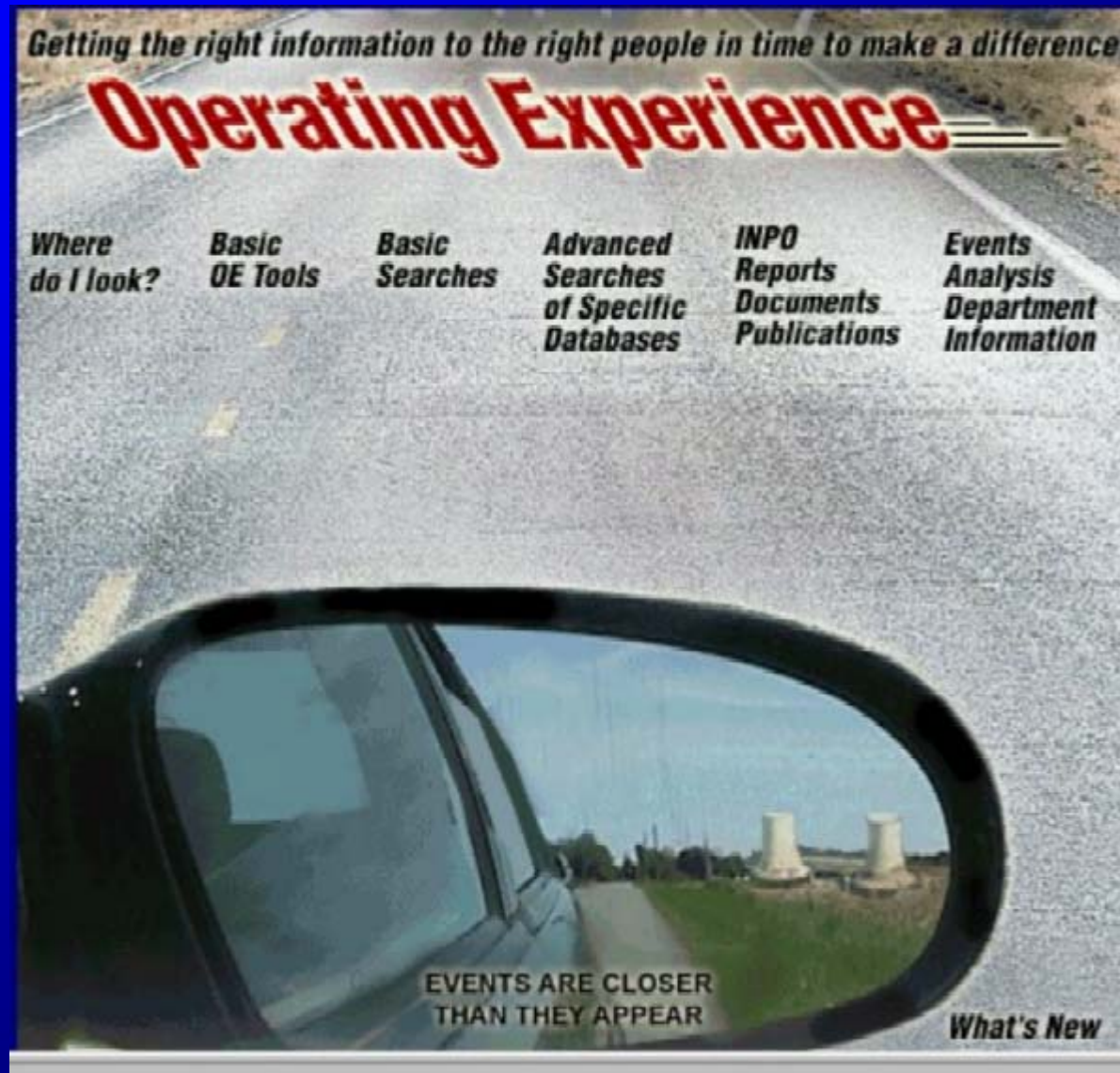
2,343 Documents Received

1,770 Events

11 Industry Significant Events

5 SENs
5 SERs
3 SOERs

INPO Operating Experience Web Page Averages About 10,000 Hits per Month

Looking to the Future

- **New Event Analysis Products**
  - **Analysis Reports**
    - ✓ **Analysis of Significant Events**
    - ✓ **Analysis of Events Involving Nonstation Personnel**
  - **Topical Reports**
    - ✓ **Analysis of Long-Term Shutdowns**

Looking to the Future

- **Improve INPO's analysis capabilities**
  - Better use of information about a specific plant
  - More predictive to identify trends and emerging issues
  - State-of-art software technology
    - ✓ FLASH
    - ✓ SAS
    - ✓ Living OE

Looking to the Future

- **Improve INPO's evaluation of operating experience**

  - **Dedicated analysis teams**

  - **Expanded scope of operating experience evaluation**

The Vision

"Get the right information

to the right people in time

to make a difference."

INPO