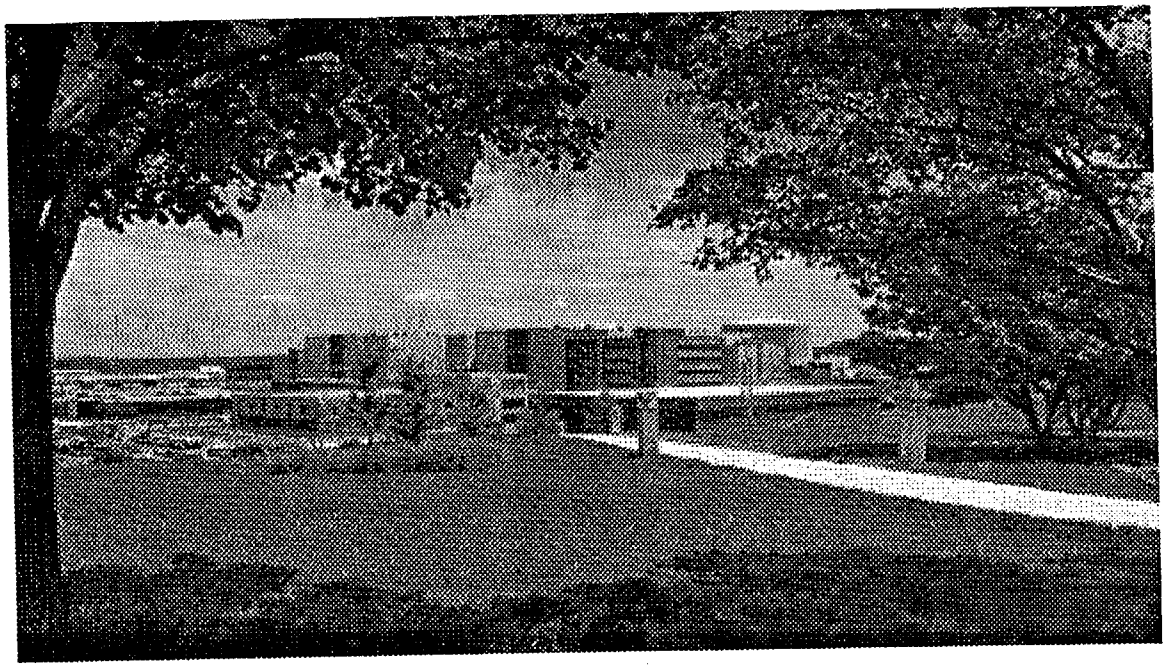
Catawba Nuclear Station
Plant Performance / Self-Assessment Meeting
April 16, 2001



Enclosure 2

Agenda

Introduction	Gary Peterson
Plant Performance	Ron Jones
Power History	
Outage Performance	
Engineering Performance	Pete Herran
Configuration Management /	
Protect the Design Basis	
System/ Equipment Reliability	
Safety Assurance	Dick Sweigart
Future Vision	Gary Peterson

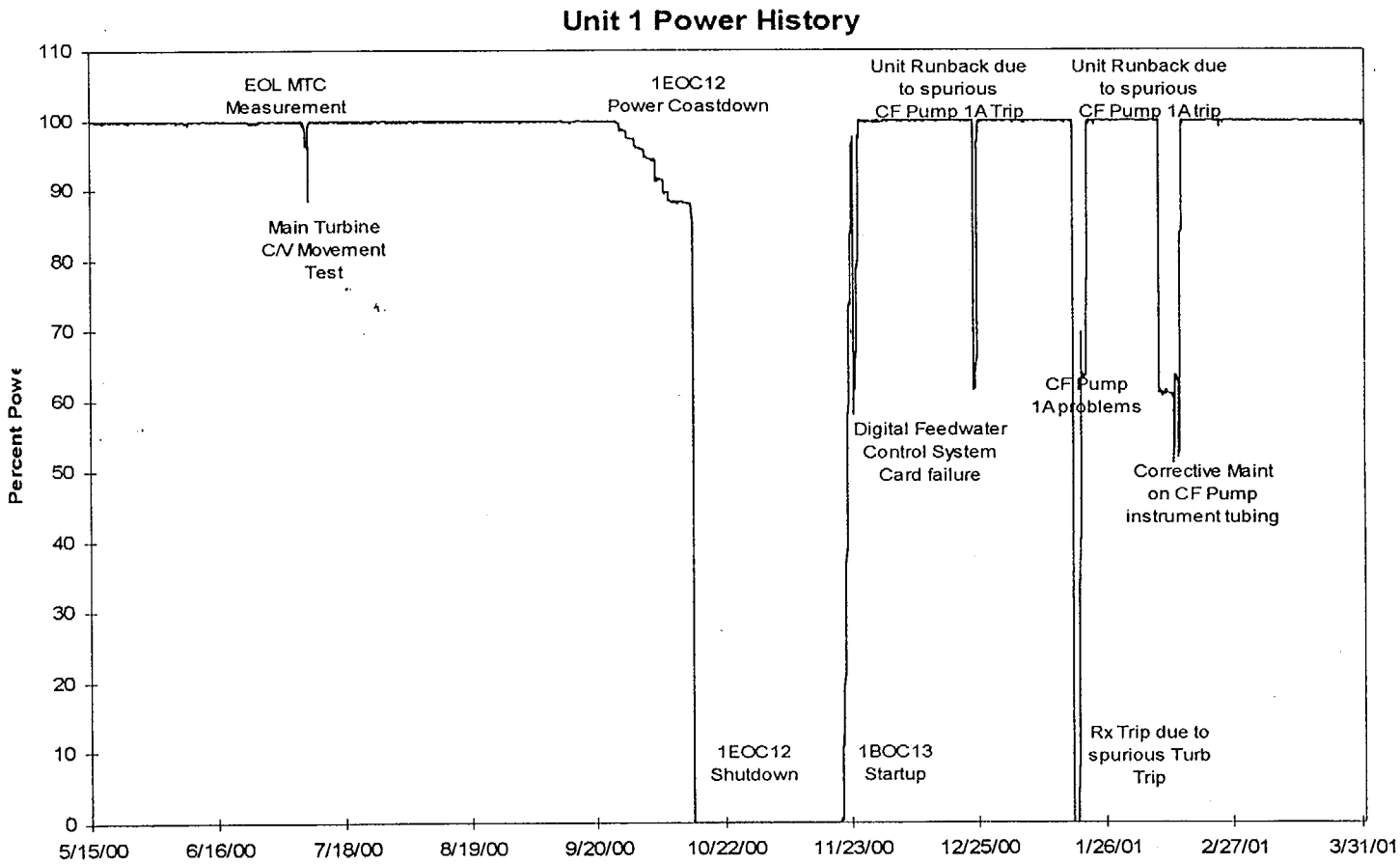
Plant Performance

Power History

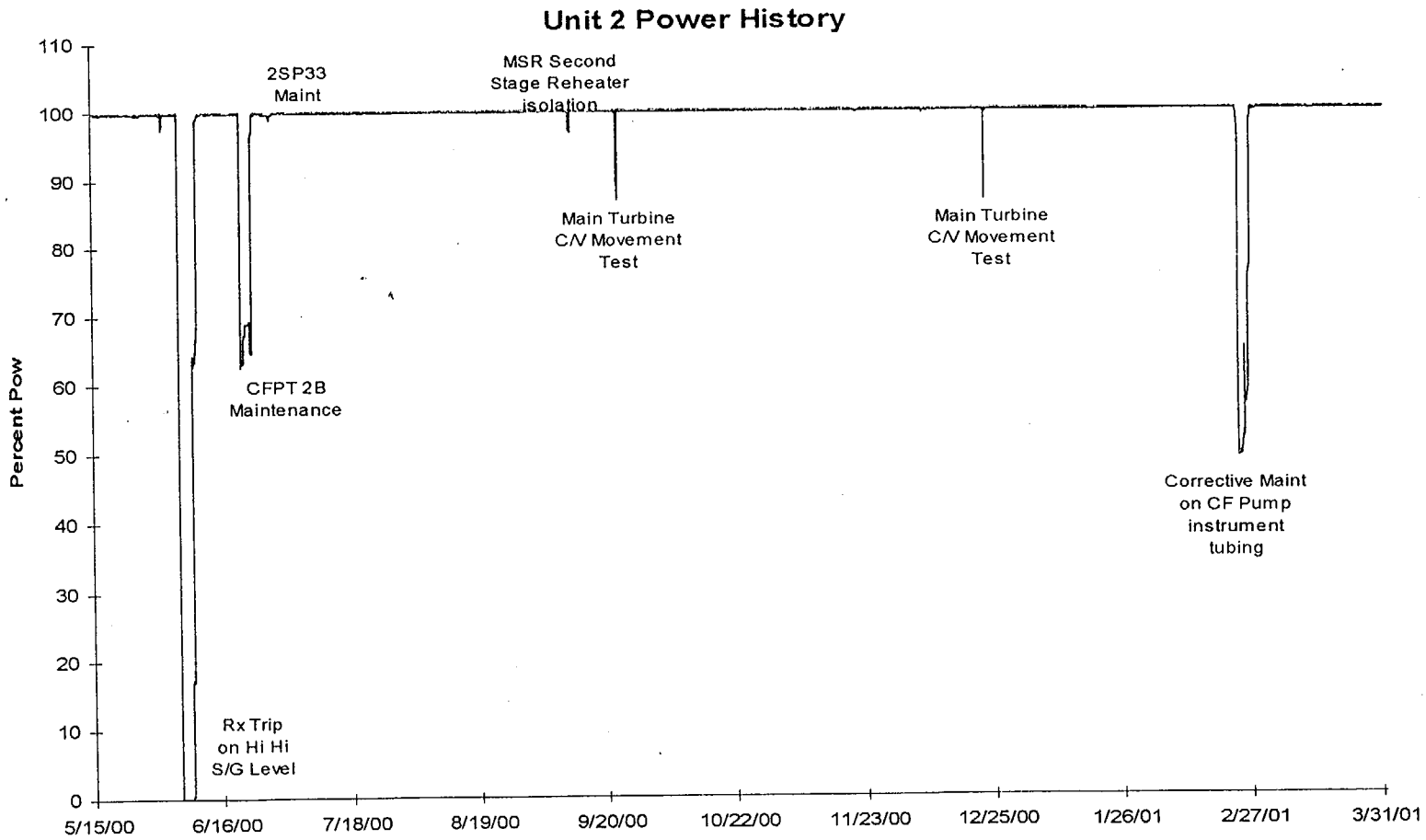
Outage Performance

Ron Jones

Plant Performance



Plant Performance



Plant Performance

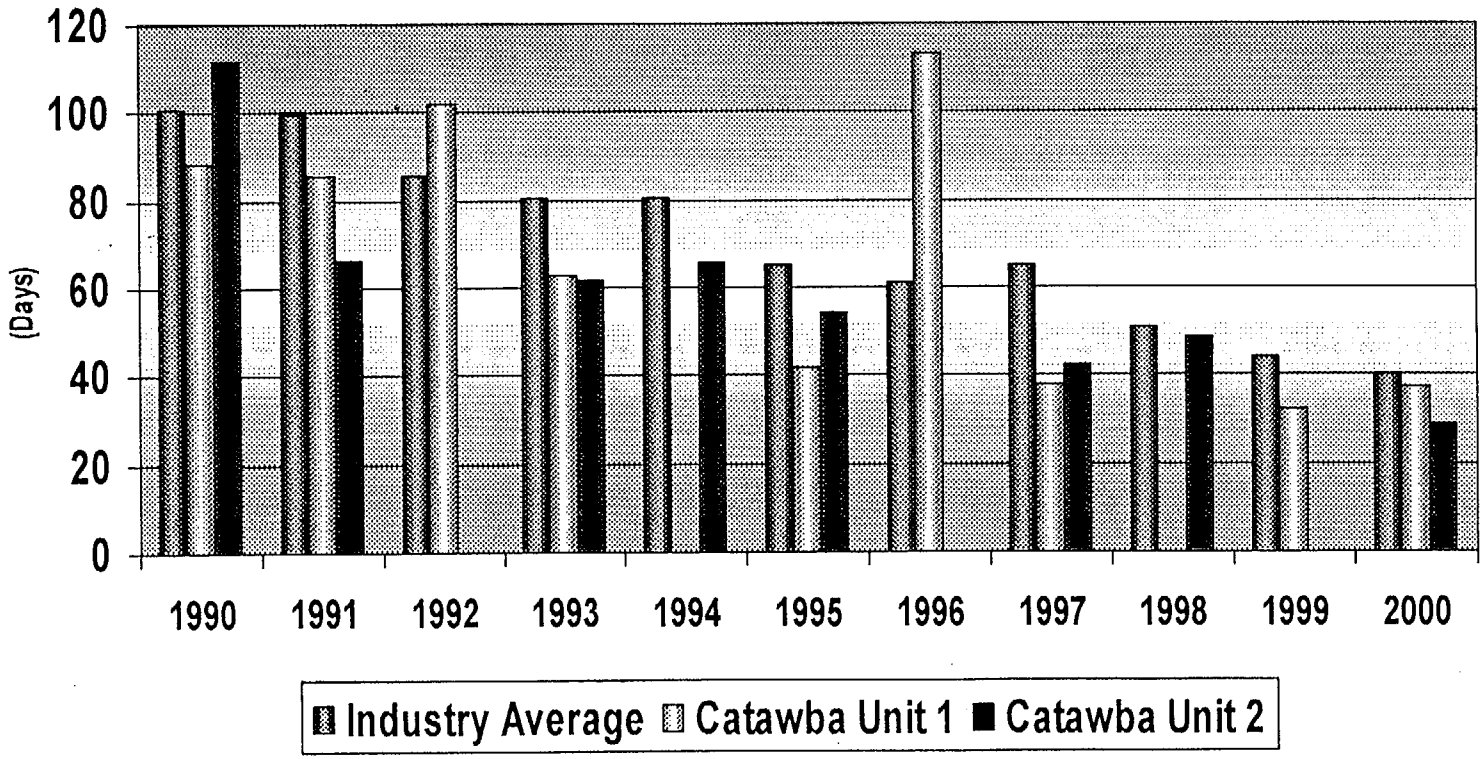
- ★ *90.27 Capacity Factor for 2000 with 2 unit outages*
- ★ *INPO Rating*
- ★ *Unit 1 ended 242 days run when shutdown for 1EOC12 refueling outage Fall 2000*
- ★ *Unit 2 currently on-line 312 days*
- ★ *1st Quartile for lowest exposure*

Plant Performance - Outage 1EOC12

- ★ *Outage Successes*
  - ✦ *Duration*
  - ✦ *Outage LERs*
  - ✦ *Liquid Radwaste*
  - ✦ *Probability Risk Assessment*
- ★ *Outage Challenges*

Planning Performance - Outage
1EOC12

Good



Plant Performance - Outage 1EOC12

★ *Significant Modifications*

- ✦ *Rod Position Indication Control Room Display Upgrade*
- ✦ *Replacement of Upper Internals Guide Tube Support Pins*
- ✦ *Replace Nuclear Service Water / Auxiliary Feedwater Piping*
- ✦ *Nuclear Service Water Chemical Addition*

★ *Significant Jobs*

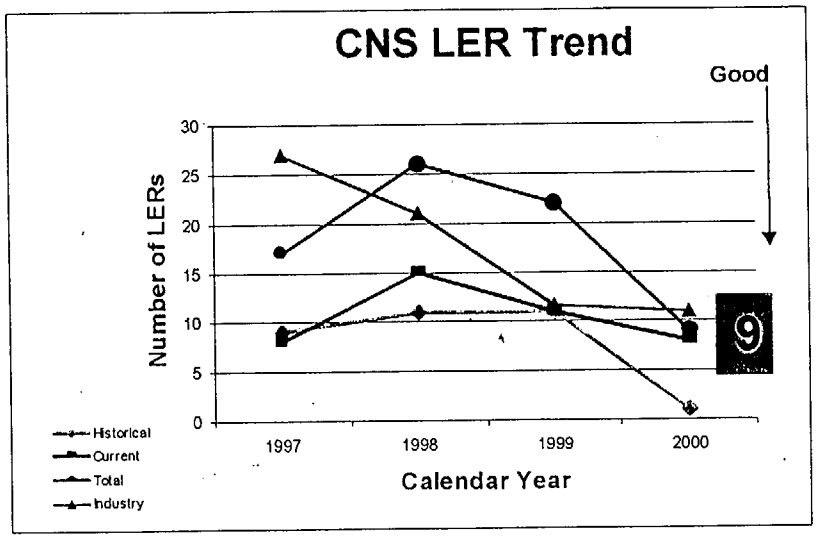
- ✦ *Nuclear Service Water Pipe Cleaning*
- ✦ *Containment Overall Integrated Leak Rate Test*

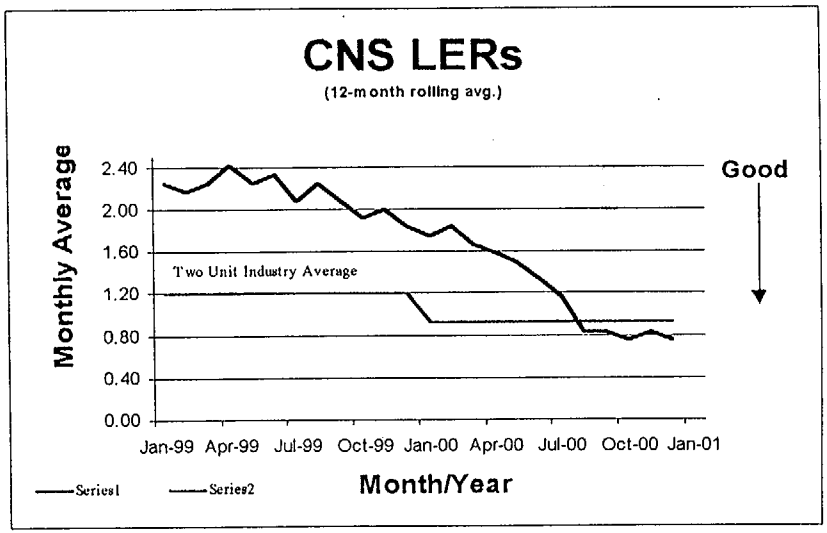
Plant Performance - Initiatives

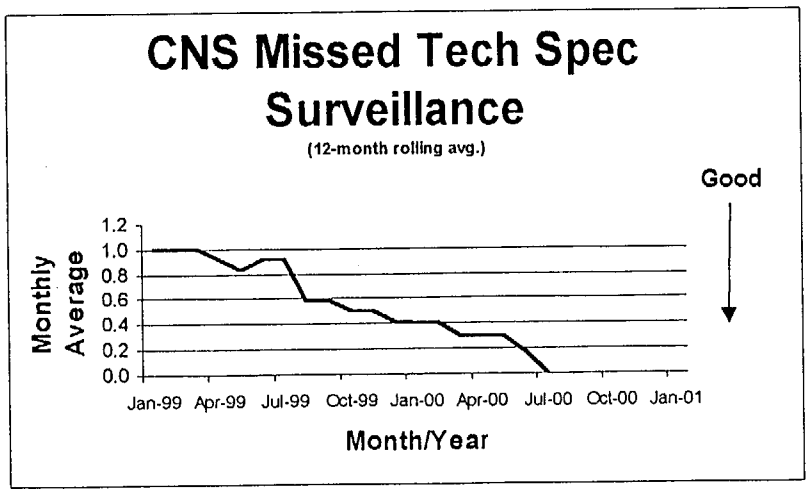
★ 2000 Initiatives

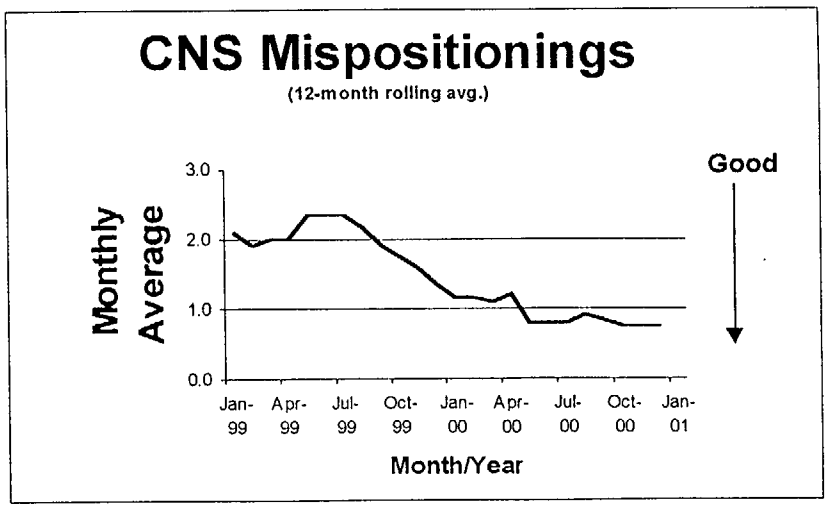
- ✦ *Human Performance*
- ✦ *Configuration Management*
- ✦ *Procedures*
- ✦ *Equipment Performance*
- ✦ *Corrective Action Program*

Plant Performance - Initiatives Results









Plant Performance - Initiatives

★ 2001 Initiatives

- ✦ *Corrective Action Program Closed*
- ✦ *Add Vendor Oversight*
- ✦ *Carry Remaining 4 Initiative to 2001 -*
  - *- Human Performance*
  - *- Procedures*
  - *- Configuration Management*
  - *- Equipment Performance*

Engineering

Configuration Management /

Protect the Design Basis

System / Equipment Reliability

Pete Herran

Engineering - Configuration Management / Protect the Design Basis

- ★ *Operable But Degraded (OBDs)*
  - ✦ *Current Status of OBDs*
- ★ *Long Range Configuration Improvements*

Engineering - System / Equipment Reliability

- ★ *LERs due to Equipment Reliability Reduced*
  - ✦ *0 LERs due to HVAC*
- ★ *Maintenance Rule A1 Systems Reduced*
  - ✦ *4 in April 2001 vs 23 in August 1999*
- ★ *Fuel Reliability Maintained*
- ★ *Unplanned Capability Loss Factor Improved*
  - ✦ *2.26% in 2000 vs 6.67% in 1999*

Improved Equipment Performance

- ★ *Management Focus via Site Initiative*
- ★ *System / Equipment Health Reports*
- ★ *Specific Action Plans*
  - ✦ *HVAC*
  - ✦ *Auxiliary Feedwater*
  - ✦ *Nuclear Service Water*
- ★ *Root Causes and Corrective Action Review Board*

Equipment Reliability

★ *Health Report Status (4th Quarter 2000)*

	# of Health Reports	# Red	# Yellow
Systems	*151*	*8*	*61*
Components	*92*	*1*	*17*
Programs	*9*	*0*	*3*
Total	*252*	*9*	*81*

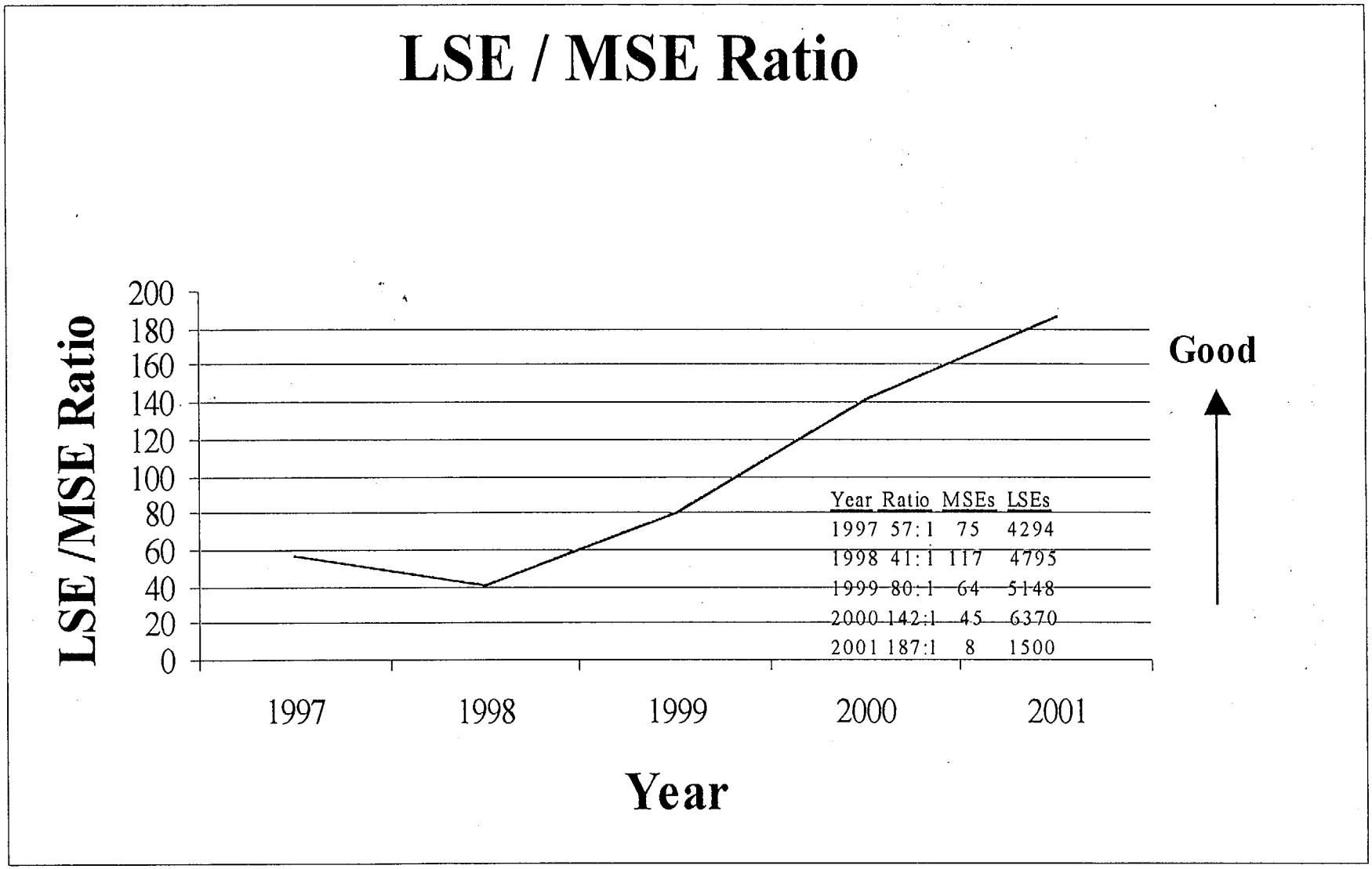
Safety Assurance

Dick Sweigart

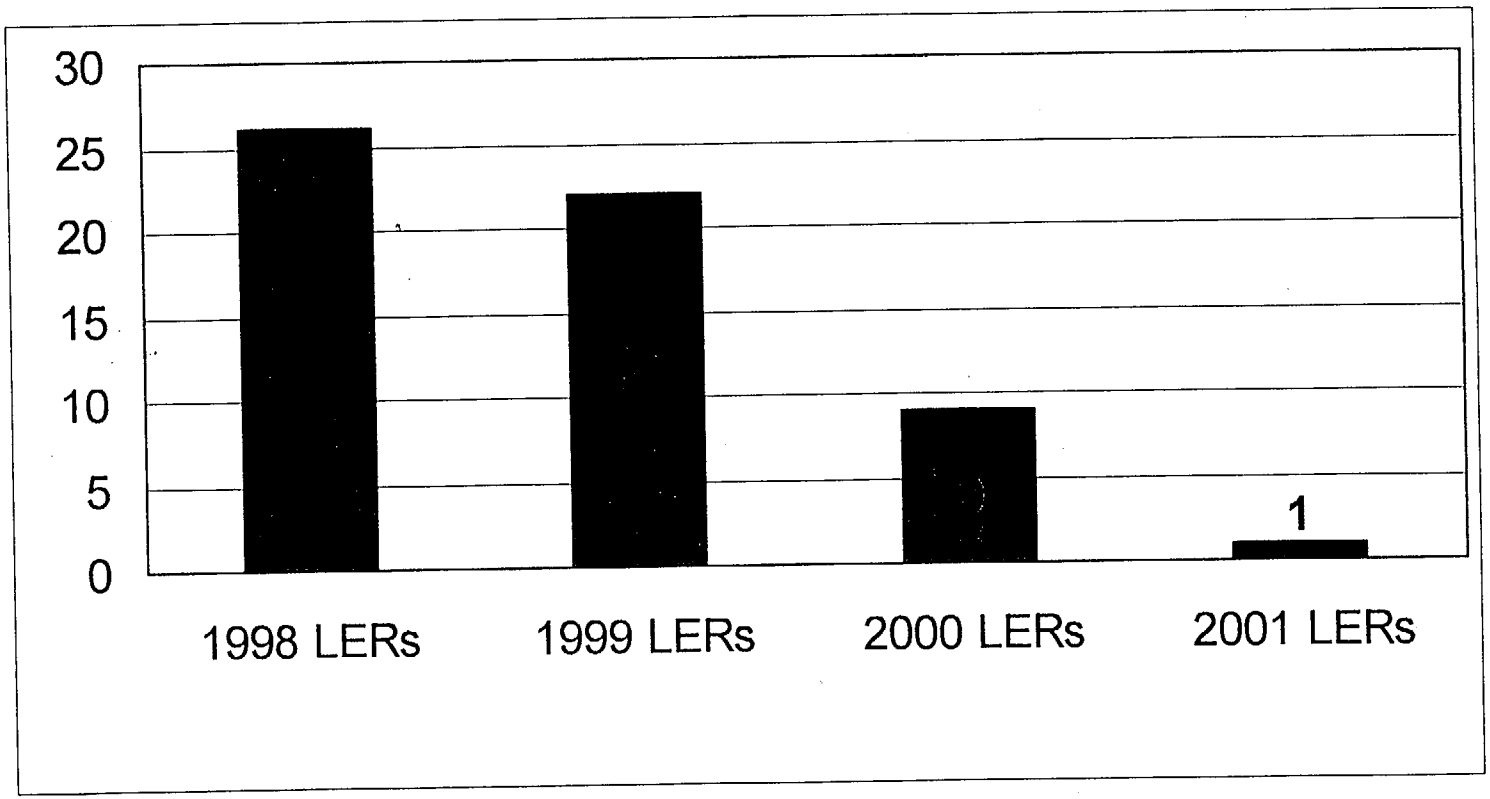
Safety Assurance - NRC Assessment Process Measures

- ★ *CNS NRC Performance Indicators*
  - ✦ *All indicators Green*
- ★ *Inspection Results*
  - ✦ *All findings Green*
  - ✦ *All violations non-cited*
- ★ *NRC Open Items*
  - ✦ *2 open items (opened 3/01)*
  - ✦ *Residual Heat Removal snubber failures open item*

Safety Assurance - Corrective Action Program (PIP) Indicators



Licensee Event Reports



Safety Assurance

- ★ *License Renewal*
  - ✦ *Application scheduled for June*
- ★ *MOX Fuel Project*
  - ✦ *NRC public meeting starting Spring 2001*
- ★ *Siren Replacement*
  - ✦ *77 poles and sirens*

Future Vision

Gary Peterson

Future Vision

- ★ *People - Building for the Future*
- ★ *Long Range Equipment Planning*
- ★ *Outage Planning*

New Hires

★ *2000 New Hires*

Engineering - 5

Operations - 5

Chemistry - 1

Security - 6

Training - 2

Total - 19

★ *2001 New Hires*

Engineering - 6

Operations - 10

Chemistry - 3

Maintenance - 4

Total - 23