

Harris Plant Overview

Bob Duncan

Director of Site Operations

Harris Nuclear Plant



Plant Performance

- Cycle 10 - 457 Days

- Refueling Outage

SAFETY

- ◆ Steam Generator Replacement

- ◆ Main Condenser Tube Replacement

- ◆ Charging Safety Injection Pump Bearing Instrumentation

- ◆ Safety Injection Flow Orifices

- ◆ Emergency Diesel Overhaul

PROD.

- ◆ Power Uprate Modifications - ~50 MWe

Risk Reduction Programs

- Secondary Chemistry Improvements
- Zero Tolerance For Equipment Failure
- Spent Fuel Shipping Program
 - ▶ Reduced Time on Rails
 - ▶ Security Upgrades
- Self Evaluation
 - ▶ Foreign Material Discovery
- Operations Procedures
- Plant Security



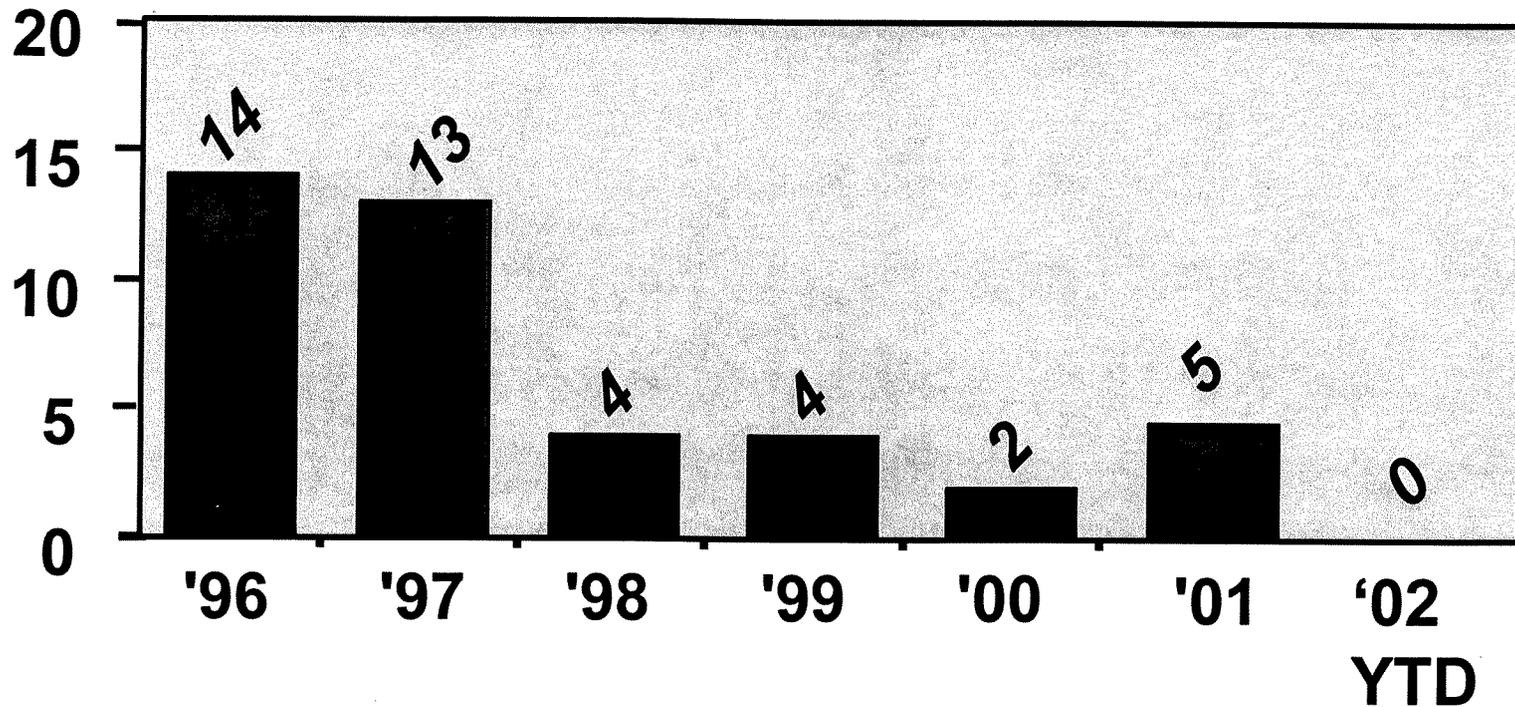
Harris Plant Security

- Threat Level III Defensive Posture
- Implementation of Oct. 6th and Other NRC Advisories
- Long-Term Coordination & Liaison With Federal, State & Local Agencies
- Well-Trained, Highly Qualified Nuclear Security Officers
 - ▶ Recruit Experienced Personnel
 - ▶ Eight-Week Basic Training Program



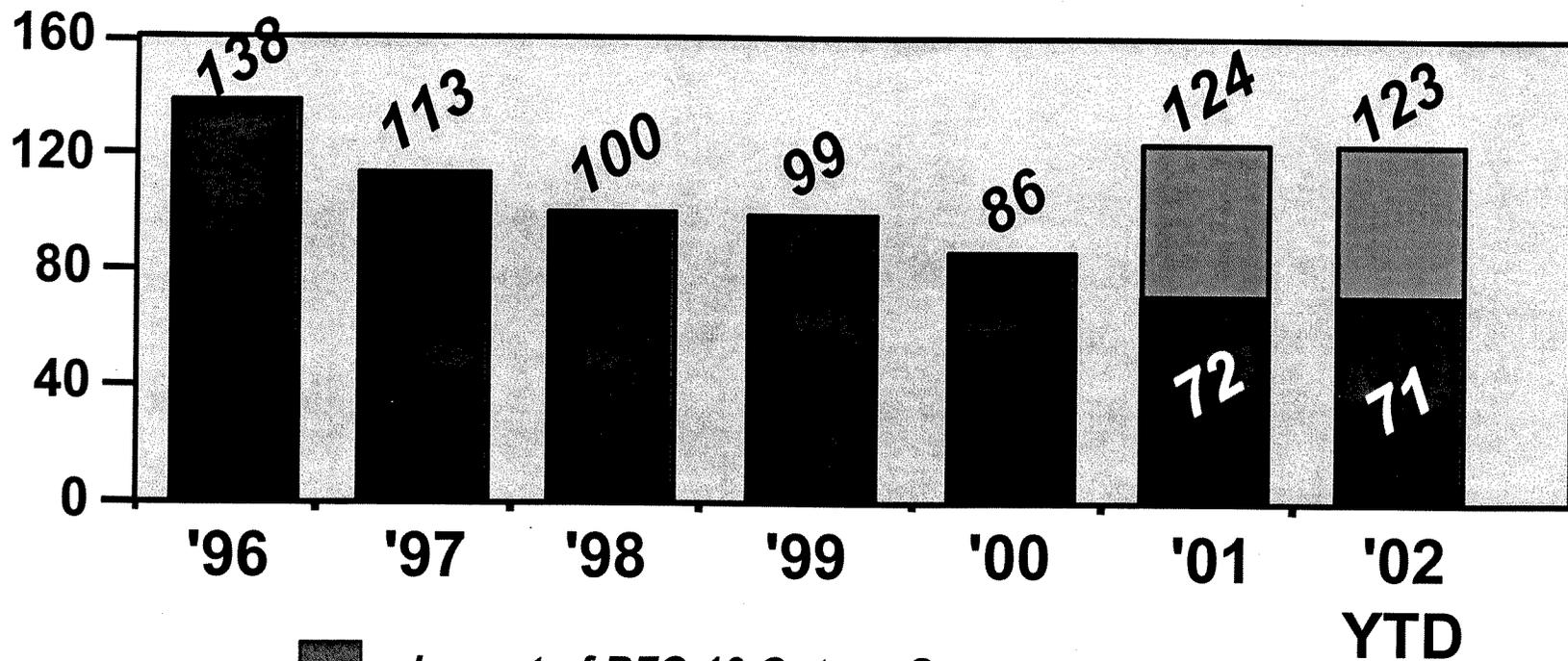
Nuclear Safety

Human Performance Events



Nuclear Safety

Collective Radiation Exposure Person Rem (3 Yr. Avg.)



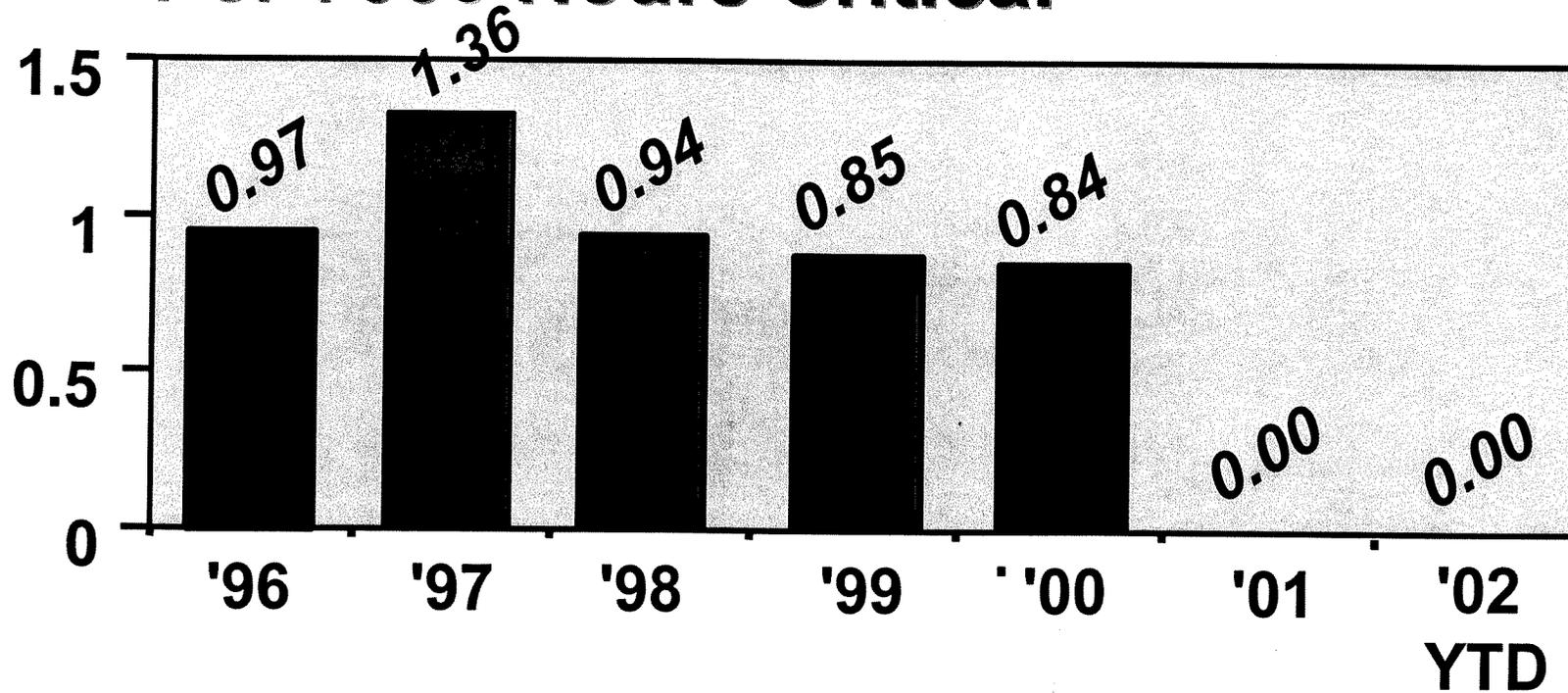
*Impact of RFO 10 Outage Scope
Over Normal RFO*



Progress Energy

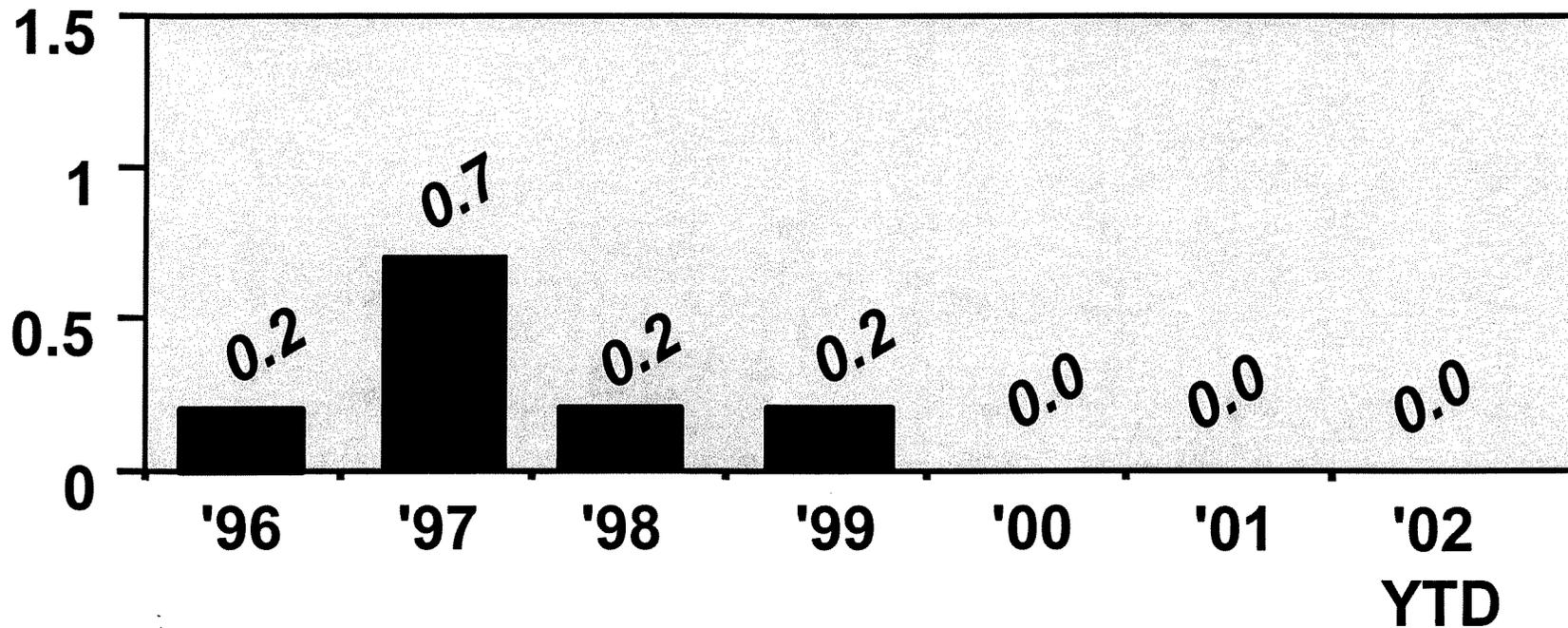
Nuclear Safety

Unplanned Automatic Reactor Trips Per 7000 Hours Critical



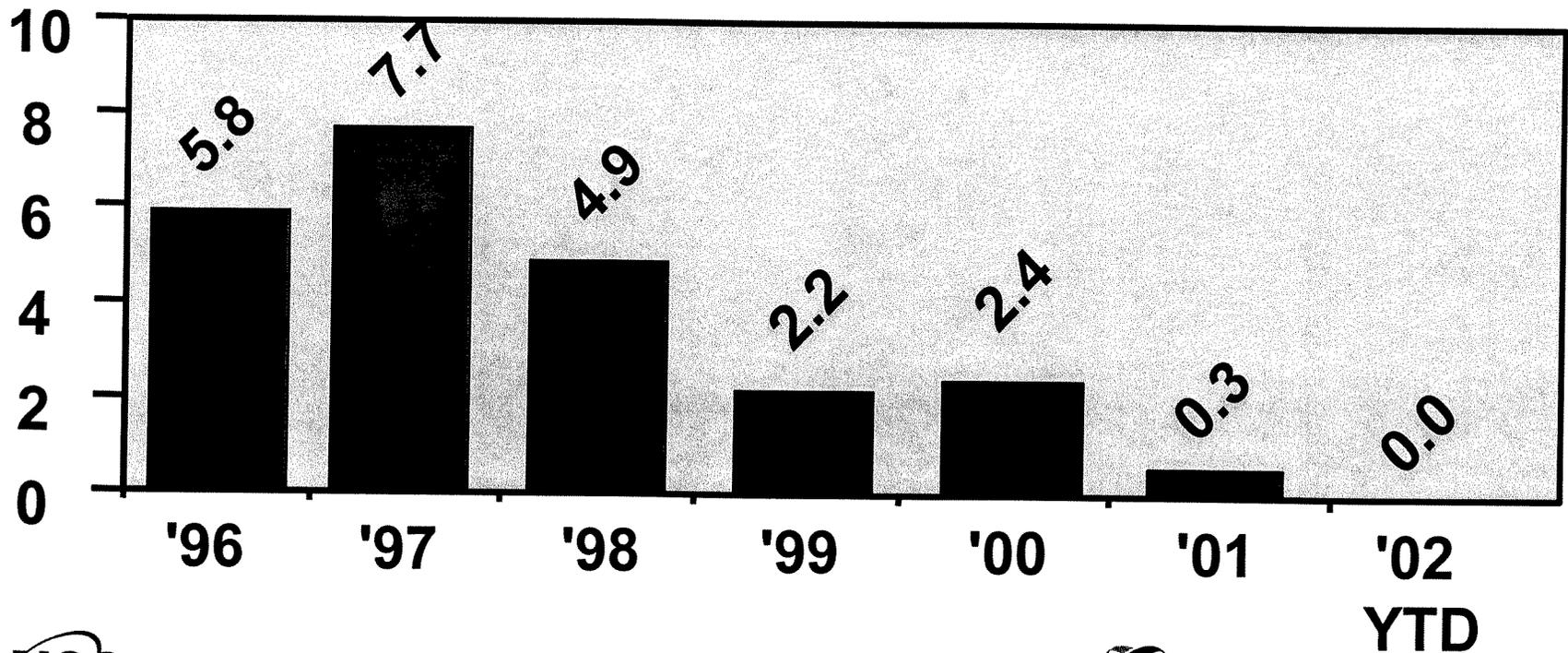
Occupational Safety

Industrial Safety: Lost Time Injuries Per 200,000 Hours Worked



Safety

Unplanned Capability Loss Factor (2 Yr. Avg.)



Harris Plant Self-Evaluation

- What's Included?
 - ▶ Self-Assessment
 - ▶ Corrective Action
 - ▶ Operating Experience
 - ▶ Benchmarking



- Integrated Via Corrective Action Program
- Foundation For Continuous Improvement
- Led by Line Organizations

