

Sdp \ Exercise1 \
Exercise#1.ppt

SDP Exercise 1

C-9

Seal Oil Refresher

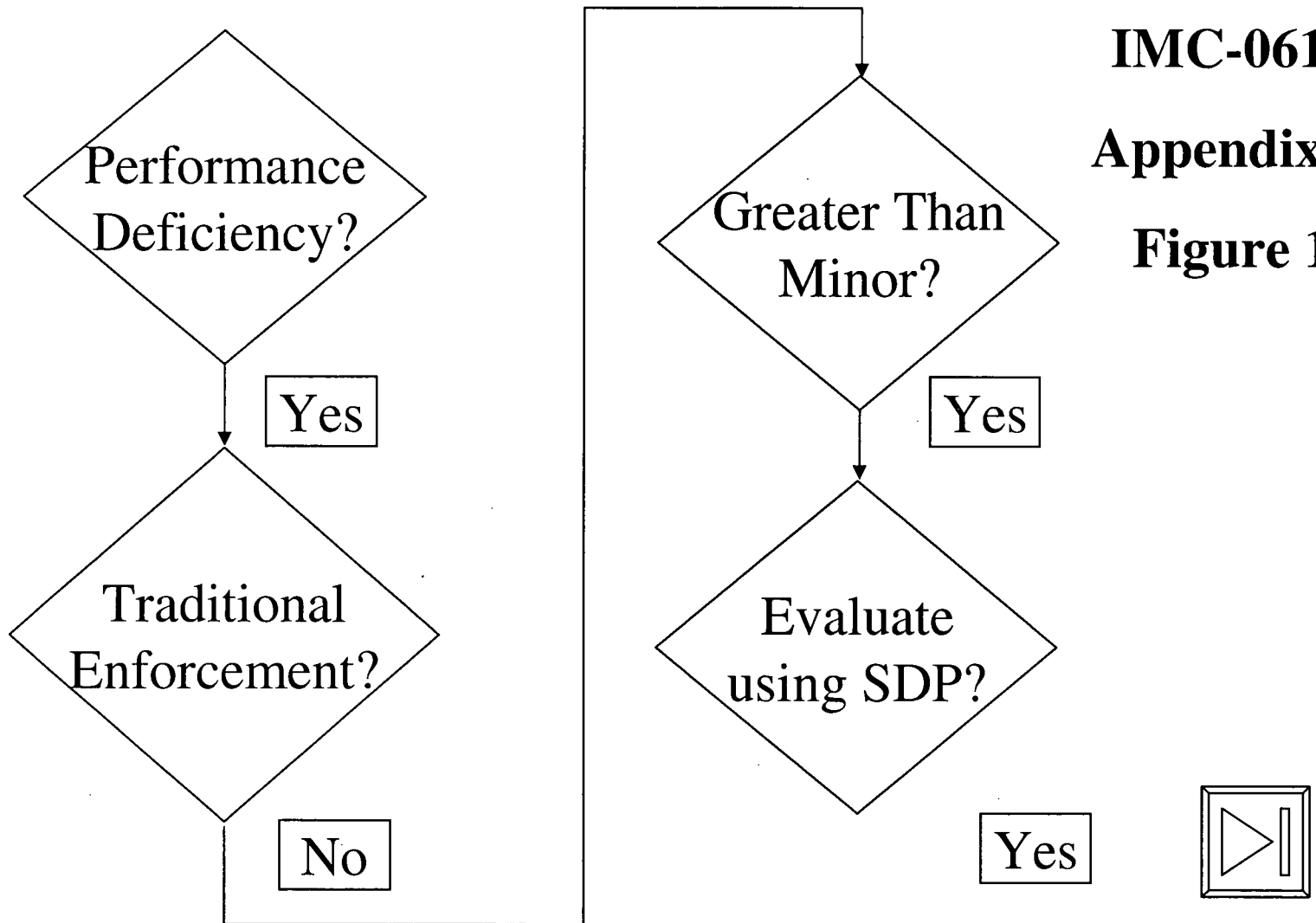
- The generator is pressurized with hydrogen gas for cooling.
- Seal oil prevents the escape of hydrogen to the turbine building.

Issue

- On February 14, 2003, the licensee transferred Electrical Bus H-1 to an alternate power supply. The electrical bus transfer resulted in a loss of one of the two available air side seal oil pumps. During the bus transfer, a turbine trip occurred due to low generator seal oil differential pressure. The licensee's investigation revealed that seal oil differential pressure regulating valve had operated slowly and was set to a pressure that ultimately resulted in a turbine trip. Vendor recommendations, incorporated into the licensee's turbine-generator maintenance manual, consisted of setting the pressure regulator to a setpoint of 8 psid. The setpoint for the regulator was found to be set at ~ 3 psid, which was below the turbine trip setpoint. The licensee also noted that the vendor recommended monthly cycling of the valve to verify its proper operation was never implemented nor contained in a maintenance instruction. (NOTE: no fire hazard is associated with this issue).

Exercise

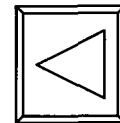
- Using IMC-0612, determine if the SDP should be used to evaluate this issue.
- Using IMC-0609, determine whether the finding screens as green or whether Phase 2 should be performed.



IMC-0612
Appendix B
Figure 1

Performance Deficiency

- Did the licensee fail to meet a requirement or standard, where the cause was reasonably within the licensee's ability to foresee and correct and which should have been prevented? A performance deficiency can exist if a licensee fails to meet a self-imposed standard or a standard required by regulation.



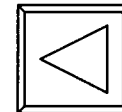
Traditional Enforcement

- Does the issue have actual safety consequences?
- Does the issue have the potential for impacting the NRC's ability to perform its regulatory function?
- Are there any willful aspects of the violation?



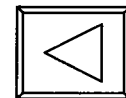
Greater Than Minor?

- Could the issue be reasonably viewed as a precursor to a significant event?
- If left uncorrected, could the finding become a more significant safety concern?
- Does the finding relate to performance indicators that would have caused the PI to exceed a threshold?
- Is the finding associated with one of the cornerstone attributes listed at the end of this attachment and does the finding affect the associated cornerstone objective?



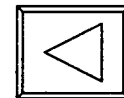
SDP Questions

- Is the finding associated with an increase in the likelihood of an initiating event?
- Is the finding associated with the operability, availability, reliability, or function of a system or train in a mitigating system?
- Is the finding associated with the integrity of the fuel cladding, reactor coolant system, reactor containment, control room envelope, or auxiliary building?
- Is the finding associated with degraded conditions that could concurrently influence any mitigation equipment and an initiating event?



SDP Questions

- Is the finding associated with or involve impairment or degradation of a fire protection feature?
- Is the finding associated with the spent fuel pool cooling system radiological barrier?
- Is the finding associated with inadequate 10 CFR 50.65(a)(4) risk assessment (quantitative only) and/or risk management?



Solution

