



AUDITS

Measuring and Ensuring
Safety Culture Progress

40-year Paradigm:
Increasing enforcement
related to unsafe
conditions

An iceberg floating in the ocean. The tip of the iceberg is visible above the water surface, while the much larger, jagged base is submerged below. The sky is blue with some clouds, and the water is a deep blue. The text is overlaid on the right side of the image.

What Safety Professionals Know. . .

- 90% of accidents are caused by unsafe actions.

What to do?

To address the underlying causes of most accidents, we must focus on the actions and behaviors that contribute to them.

Improving a mine's safety
culture requires
modifying behaviors and
thought processes.



**Behavior modification
can't be legislated.**

Modifying behavior
involves *teaching* and
reinforcing new behaviors.

Why conduct an audit?

1. Implementing and maintaining an improved safety culture ***will not occur*** without a structured approach to ensure performance.

Why conduct an audit?

- 2. To ensure performance, we must have and objective means by which to measure it.

Why conduct an audit?

3. It underscores the importance management places on meeting performance standards.

What is the purpose of an audit?

To compare the written policies, requirements, procedures and standards with performance.

An audit is NOT . . .

- An inspection to observe H&S conditions
- An accident investigation
- A fault-finding exercise

An audit is . . .

A formal and critical examination
of the performance of mine
management

Types of Audits

- Compliance
- Management Systems

Audit Structure

- Scope and timeframe
- Protocol
- Criteria
- Review
- Observations/Interviews
- Comparisons

Results

Audit results either affirm full functioning of safety program

or

reveal shortcomings.

Actions

- Revising or updating standards
- Retraining
- More frequent JSOs
- Counseling
- Disciplinary proceedings

Conclusion

An effective safety culture is the
consistent execution
of *learned* safety behaviors

Conclusion

- Absent a mechanism to monitor safety behaviors, expectations are diminished and the elements of an improved safety culture will erode.