A large, dark-colored pipeline section is shown from a low angle, supported by several vertical metal pillars. The pipeline extends into the distance, following a gravel path through a grassy field. In the background, there are mountains under a cloudy sky.

**Whitney Grande**

Sr. Manager, Health & Safety



Safety Programs  
Life-Cycle

# Safety Programs Life-Cycle

Whitney Grande

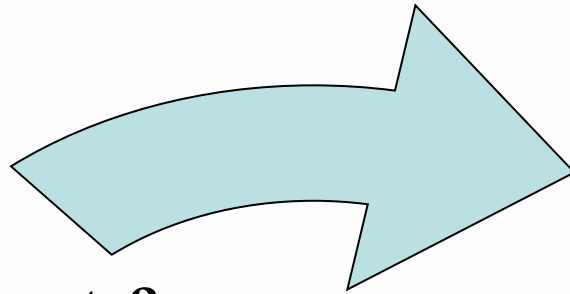
Sr. Mgr., Health & Safety

Alyeska Pipeline Service Company

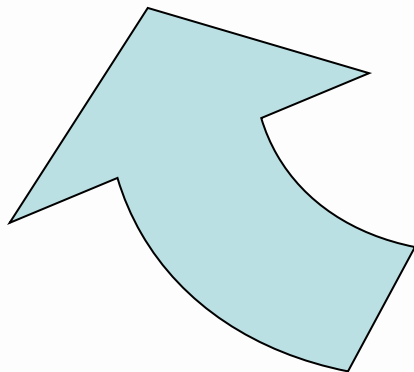


# Safety Programs Life Cycle

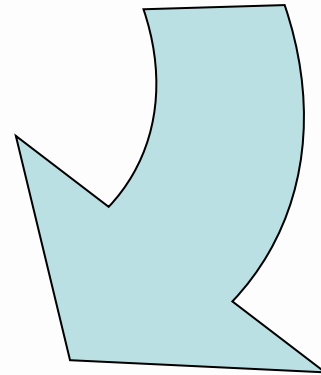
**Risk Management &  
Compliance**



**Safety Programs**



**Loss / Near Loss  
Investigations**



- Risk Management
  - People, Environment, Process/Equipment
  - Life Critical Focus
    - Identifying Key Safety Programs
      - All Programs should not be treated equally (Risk)
    - Determining Tolerance of Failure
- Compliance
  - Regulatory Drivers
    - Vitally important but not always the area of highest risk

- Risk & Compliance Inputs
- Programs should be all inclusive but distinguishable
  - Foundational Safety vs. Life Critical
  - Organizational Awareness & Understanding
    - Ensure your Safety Culture is supportive
    - Ensure internal processes (i.e., auditing) and biases don't inadvertently shift focus
      - Top 5 audit findings example

- Risk, Compliance & Safety Programs Inputs
  - Have a process/methodology
- Traps to avoid:
  - OSHA recordable focus
  - Recurring “employee” fault
- Level of rigor commensurate with risk
  - Life Critical Safety Program vs. Other
  - Failure rate (happening frequently?)
    - Can or do we tolerate some level of failure?
  - Track / Trend failures
    - Are your Life Critical Programs working as planned?

- The FIX (Lessons Learned, Best Practice)
  - Local or Line-wide
  - Use and Value of Review Boards
  - How do you ensure “the fix” is implemented?
- Safety Program Update
  - Don’t fall into the “Manage by Safety Bulletin” trap
    - Use them, but don’t forget to update your Safety “Program(s)”

- Realize the positive impact investigations can have on your Safety Programs Life-Cycle
- Incorporate Risk Management techniques
  - Not all hazards/programs are treated equally