ACME INDUSTRIES - INCIDENT REPORT

Date: Apr 12 2026 | Ref: INC-2026-0412-07
Classification: INTERNAL — SAFETY COMMITTEE CONFIDENTIAL

SUMMARY

At 02:47 UTC a cooling-loop pressure sensor on Line 3 tripped, causing an automatic shutdown of Compressor C-14. The event lasted 23 minutes. No injuries were reported. Production loss estimated at 4.2 metric tons.

ON-SITE RESPONDERS

Lead Engineer: Marcus Chen, [EMAIL REDACTED], [PHONE REDACTED]
Shift Supervisor: Priya Kapoor, [EMAIL REDACTED], [PHONE REDACTED]
Safety Officer: David Okonkwo, [EMAIL REDACTED], [PHONE REDACTED]
Maintenance Tech: Sofia Reyes, [EMAIL REDACTED], [PHONE REDACTED]

TIMELINE

02:47 Pressure sensor PS-314 exceeded 185 bar threshold (limit: 180 bar).
02:48 Automated shutdown sequence initiated for Compressor C-14.
02:51 Marcus Chen ([EMAIL REDACTED]) arrived on scene.
02:55 Root cause identified: fouled check valve CV-88 on return loop.
03:02 Priya Kapoor ([EMAIL REDACTED]) authorized manual bypass.
03:10 Replacement valve installed by maintenance crew.
03:10 System pressure normalized at 162 bar. Compressor C-14 restarted.

ROOT CAUSE

Check valve CV-88 accumulated calcium carbonate scale over approx. 6 weeks, restricting flow and causing upstream pressure to exceed trip threshold. Valve was last inspected 2026-02-28 and was within tolerance at that time.

CORRECTIVE ACTIONS

1. Replace all check valves on Line 3 return loop (CV-85 through CV-92).
   Owner: Marcus Chen ([EMAIL REDACTED]), Due: 2026-04-19
2. Reduce inspection interval from 8 weeks to 4 weeks for cooling-loop valves.
   Owner: Priya Kapoor ([EMAIL REDACTED]), Due: 2026-04-14
3. Install inline water-quality monitor on cooling supply header.
   Owner: David Okonkwo ([PHONE REDACTED]), Due: 2026-05-01

DISTRIBUTION

Plant Manager: [EMAIL REDACTED]
Regional EHS: [EMAIL REDACTED]
Insurance Liaison: [EMAIL REDACTED], [PHONE REDACTED]

END OF REPORT