Job Safety Analysis

VAL-0004 — Generated Nov 27, 2026, 9:03 PM CST

OWNER Lumen Grid	LOCATION Mesa Forge Station
UNIT Boiler	EQUIPMENT WORKED ON Hand tools and barricades
SERVICE Exchanger (Mechanical)	DATE / CREW SIZE November 28, 2026 — 3 crew

BRIEF DESCRIPTION OF WORK
Exchanger inside Boiler

WEATHER
72 F, clear

OVERALL RISK SCORE	AI SAFETY GRADE
41/100	**7.6/10**

Crew Roster

WA	Willa Abbott (Crew Leader)	# VAL-CL-01
DH	Diego Hassan	# VAL-CM-05
EI	Esme Inoue	# VAL-CM-06

Task-by-Task Breakdown

Task 1: Set the barricade and confirm isolation

Identified Risks

- Line of fire at the barricade

Mitigation Steps

Keep the exclusion zone marked

AI Suggested Enhancements

> **[Life-critical]** Stored energy on the isolated line (added to JSA)
> Why it matters: A release can fatally strike anyone in the zone.
> Regulation/Standard: Control of hazardous energy
> Energy Source: Pressure

Work Area Visual Assessment (1 of 1 hazards acknowledged)

Barricaded work area

[MEDIUM] Trip hazard at grate opening — Grate opening inside the barricade. (Work area) — Acknowledged

Team Member Signatures

WA Willa Abbott (Lead)	Signed Oct 7, 2026, 8:19 PM CDT
DH Diego Hassan	Signed Oct 7, 2026, 8:19 PM CDT
EI Esme Inoue	Signed Oct 7, 2026, 8:19 PM CDT
Supervisor: Petra Lang	Certified Oct 7, 2026, 9:09 PM CDT