Job Safety Analysis

VAL-0005 — Generated Nov 28, 2026, 4:50 AM CST

OWNER Northwind Energy	LOCATION Northwind Harbor Refinery
UNIT Crude	EQUIPMENT WORKED ON Hand tools and barricades
SERVICE Hanging (Scaffolding)	DATE / CREW SIZE November 28, 2026 — 3 crew

BRIEF DESCRIPTION OF WORK
Hanging inside Crude

WEATHER
72 F, clear

OVERALL RISK SCORE	AI SAFETY GRADE
46/100	**7.2/10**

Crew Roster

HD	Hugo Diaz (Crew Leader)	# VAL-CL-02
FB	Felix Brooks	# VAL-CM-01
GC	Greta Castillo	# VAL-CM-02

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

HD	Hugo Diaz (Lead)	Signed Oct 7, 2026, 10:19 PM CDT
FB	Felix Brooks	Signed Oct 7, 2026, 10:19 PM CDT
GC	Greta Castillo	Signed Oct 7, 2026, 10:19 PM CDT