OpsAuditHub opsauditihub.com	DOC ID: **SAF-0302**	REVISION: **Rev 2.4 (2026)**
	STANDARD: **OSHA 29 CFR 1910.134, ANSI/ASSE Z390.1, API RP 49**	AUDIT FREQUENCY: **Daily Pre-Shift**

Hydrogen Sulfide H2s Safety Checklist Daily Log Sheet

Operational Scope: This daily log sheet governs mandatory pre-shift verification of hydrogen sulfide (H2S) detection, monitoring, and emergency response equipment across upstream and midstream operations. The objective is to ensure absolute hazard mitigation against toxic exposure and guarantee strict compliance with federal occupational safety standards.

MANDATORY PPE:	Personal H2S Electronic Gas Monitor (ANSI/ISEA 101), Self-Contained Breathing Apparatus (SCBA) / Supplied Air Respirator, Flame-Resistant Clothing (FRC) rated to NFPA 2112, Hard Hat with ANSI Z89.1 compliance, Safety Glasses with Side Shields (ANSI Z87.1)
PREREQUISITES:	Verify wind direction indicators (windsocks/streamers) are operational and unobstructed. | Ensure calibrated personal gas detectors are bump-tested prior to entering potentially sour gas environments.

ATMOSPHERIC MONITORING & DETECTION SYSTEMS

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
1	**Fixed H2S Sensors**	Sensors are free of physical damage, obstruction, and calibration status is verified current within 30 days.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
2	**Personal Gas Detectors**	Units pass startup self-test, zero calibration is verified in clean air, and low-level alarm is set at 10 ppm.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
3	**Audible & Visual Alarms**	Strobe lights and sirens activate instantly during remote or manual alarm simulation tests.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**

RESPIRATORY PROTECTION & EMERGENCY GEAR

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
4	**Workplace Escape Respirators**	Units are securely mounted in designated quick-release stations, gauges indicate full cylinder pressure, and seals are intact.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
5	**SCBA Cascade Systems**	High-pressure storage cylinders are charged to minimum 90% capacity; hoses and regulators show no signs of cracking or leaks.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
6	**Emergency Eyewash & Showers**	Flushed weekly/daily as applicable; clear access path with unobstructed flow verified during operational check.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**

COMMUNICATION & SITE SAFETY INFRASTRUCTURE

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
7	**Exhaust & Ventilation Fans**	Explosion-proof blowers in enclosed wellhouse/cellar areas are operational and venting properly.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
8	**Wind Direction Indicators**	Primary and secondary windsocks are fully functional, illuminated at night, and visible from all active work zones.	**Standard**	**[ ] PASS [ ] FAIL [ ] N/A**
9	**H2S Warning Signage**	Danger H2S sour gas warning signs are clearly posted at all facility access points and property boundaries.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**

Certified Inspector / Lead Operator Signature: _____	**Date / Time:** _____	**Badge / Cert #:** _____
Site Safety Supervisor / Operations Manager Sign-off: _____	**Review Date:** _____	**Audit Status:** [ ] Approved [ ] Rectify

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