



Incident, Near Miss, and Unsafe Condition Reporting Guide

Category: Reporting

Audience: All employees, supervisors, safety teams

Badge: Report

Guide for documenting incidents, near misses, unsafe conditions, repeated faults, collisions, and safety observations around robotic welding operations.

Important limitation: This document is a general planning aid only. It does not replace OSHA requirements, employer safety programs, equipment manuals, SDS review, qualified risk assessment, training, lockout/tagout procedures, PPE selection, or competent safety review.

When to Report

- Report injuries, near misses, unexpected robot motion, guarding events, E-stop events, collisions, fires, smoke, electrical issues, coolant leaks, fume concerns, and repeated unsafe conditions.

What to Record

- Date/time, area, system, program, part, personnel involved, photos if allowed, immediate actions, controls used, and follow-up assignments.

Learning Loop

- Review trends and use corrective actions to update training, programs, guarding, fixtures, PM schedules, or work instructions.

Field Checklist

Item	Verified	Notes
Event type documented		
Immediate controls applied		
Supervisor notified		
Photos collected if allowed		
Root cause started		
Corrective action assigned		
Training/program changes reviewed		

Reference Basis

- OSHA 29 CFR 1910 Subpart Q - Welding, Cutting and Brazing.
- OSHA 29 CFR 1910.147 - Control of Hazardous Energy (Lockout/Tagout).
- NIOSH welding fume and manganese exposure resources.
- RAS equipment planning information for robotic arc welding systems using 480V / 60Hz / 3-phase power, RAS-500PR power supply, water-cooled torch packages, torch cleaning, and wire cutting stations.

Revision: RAS Safety Knowledge Base expanded safety resource set. Verify against current site-specific rules before use.