CRITICAL CONTROL VERIFICATION

SERIOUS INJURY AND FATALITIES - SIF HAZARD – HAZARDOUS SUBSTANCES

Date:		**Verifier:**		**Site:**	
Time:		**Task:**		**Location:**	

SAFETY DATA SHEET / RISK MANAGEMENT / PPE	YES	NO	N/A
Is the **SDS** for the hazardous substance(s) readily **available**, **incorporated into the JSEA** and are the requirements being **followed**?			
Are chemicals in containers appropriately **labelled**?			
Is the team using the correct hazardous substances **PPE for the task** and in **good condition**? (e.g. P2 masks, gloves, coveralls, spats)			
Does the team know what to do in an **emergency** when handling the chemical or hazardous substance? (e.g. uncontrolled release, ingestion, eye wash station, emergency phone)			

PERMIT TO WORK / ISOLATION / CONTAINMENT	YES	NO	N/A
Are chemical / gas process lines and tanks **appropriately isolated for the work?** (e.g. purged, PTW system applied)?			
Are isolation valves, vessels, pipes, flanges and fittings in **good order, not passing, free from visible leaks** containing the chemical?			
Is the area **adequately ventilated** or are fixed or portable personal detectors provided where there is a risk of exposure to flammable or toxic materials? (E.g. confined space, LEL limits, oil mist, hygiene exposure)			
Are storage tanks, containers, bulk stores and process areas which hold chemicals**, free from structural damage and excessive corrosion/rust**?			
Are storage tanks, containers, bulk stores and process **areas bunded and of an adequate volume** and size to contain spills?			
Are **sensors and alarms** in good physical condition with no known operating issues? (e.g. chlorguard system)?			

SIGNAGE AND SEGREGATION	YES	NO	N/A
Are hazardous substances only **stored in designated areas**?			
Are chemicals stored in accordance with the SDS? (i.e. incompatible chemicals are not stored together)			
Is **access** to hazardous substance storage areas **controlled**?			
Are gas bottles and vessels stored in areas **protected against damage**? (e.g. away from traffic, bollards in place, walkways, tied upright and secured)			
Are appropriate **placards and hazard warning labels** attached to tanks, bulk containers, gas bottles, radiation gauges? (e.g. GHS requirements)			
Is piping and other process equipment l**abelled and colour coded indicating the hazardous contents with the direction of flow**? (e.g. PF pipes, asbestos, hydrogen, CO2)			
Do **unloading facilities and processes** for bulk chemicals **minimise interaction** between workers and the chemical?			

COMMENTS