**Job Safety Analysis Sheet**

**JOB DESCRIPTION**: **Spray Painting JSA Ref. No**

**Facility: Work Area / Equipment: Permit No\***.

**Date:**

**PERSONAL PROTECTIVE EQUIPMENT & TOOLS:** Hard Hat, Safety Shoes, Coverall, Safety Goggles, Hand Gloves, Multi Gas Detector.

**SEQUENCE OF**

**BASIC JOB STEPS POTENTIAL HAZARDS PRECAUTIONS**

 Ensure all personnel have undergone Project HSE Induction and EOD

training.

 Refer HSEMS Procedures - Doc. No. SA.KOC.004 “Permit to Work” and

Chapter -13 “Welding” of KOC F & S Regulations.

 Ensure all personnel have completed hot works safety awareness training by Contractor.

 Ensure all equipment is having a valid KOC vehicle entry pass permit as applicable and Operators have applicable training and licenses to drive

/ operate the identified equipment.

**Pre - work**

**Painting Works**

 Poor Task Planning

 Non – compliance with HSEMS Procedures

 Untrained Personnel

 Defective electrical tools and equipment

 Inadequate Lighting at work location

 Exposure to Harmful Vapor

 Fire & Explosion

 Contaminated Clothing

 Un-attended Equipment / Tool

 Unsafe Storage of Paint & Thinner

 Electrical Shock (Low Voltage)

– Pinhole test

 Ensure the equipment / tool to be used for spray painting (such as Spray Paint Gun, Hoses, pump etc.) are checked by a competent Foremen or Supervisor and free from defect.

 The spray paint gun & hose are adequately bonded to prevent accumulation of electrostatic charges.

 Keep the fire extinguishers and/or fire hoses in ready condition as required at hot work location as applicable.

 Ensure that the worksite is free from flammable / toxic vapor or liquid.

 Keep trained fire watcher as standby in restricted areas as required.

 Conduct TBT and ensure that PPE appropriate to the work is correctly identified & used.

 Enclose the area to be spray painted.

 For early morning works/ night works, ensure sufficient lighting arrangements/ lighting towers are in place at the work areas as applicable.

 Ensure Emergency numbers are informed in TBT at least once per week.

 Ensure proper communication means available.

 Obtain MSDS for the paint as well as thinner.

 Wear the required PPE (Long Sleeve Coverall, Apron, Face Shield &

suitable respiratory protection etc.).

 Ensure proper ventilation of the area.

 Ensure there is no naked flame or spark generating equipment in the area where spray painting is to be done.

 Never smoke in the area where spray painting is in progress.

 Keep the suitable fire extinguishers in ready condition.

 Do not eat or smoke wearing paint soaked coverall / gloves.

 Clean / dispose safely the paint soaked coverall / gloves.

 Wash properly before consuming any food.

 Do not leave unattended the Spray Paint Gun & Hose with on condition.

 Isolate the equipment from all source of energy when not in use.

 Store the paint & thinners in safe & designated location away from source of ignition.

 Check all tools and equipment available in good condition and functioning.

 Proper earth must be provided.

 As per the manufacturer calibration is required and inspection of the machine is required before work starts.

**Additional Hazards**

**(Other than indicated above)**

**JSA Done by**

**Permit Applicant**

**/ Controlling Team /Asset Owner**

Name: KOC. No.

Controlling Team: Signature:

**JSA Reviewed by**

**Permit Issuer**

Name:

KOC. No.

Controlling Team:

Signature: