

JOB SAFETY ANALYSIS

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Job Safety Analysis (JSA), is a safety management tool in which the risks or hazards of a specific job in the workplace are identified, and then measures to eliminate or control those hazards are determined and implemented.

Definition:

A Job Safety Analysis (JSA) is a method used to identify, analyze and record:

- The steps involved in performing a specific job.
- The existing or potential safety and health hazards associated with each step.
- The recommended action(s)/procedure(s) that will eliminate or reduce these hazards and the risk of a workplace injury or illness.

The following hazards should be considered when completing a JSA:

- Impact with a falling or flying object.
- Penetration of sharp objects.
- Caught in or between a stationary/moving object.
- Falls from an elevated work platform, ladders or stairs.
- Excessive lifting, twisting, pushing, pulling, reaching, or bending.
- Exposure to vibrating power tools, excessive noise, cold or heat, or harmful levels of gases, vapors, liquids, fumes, or dusts.
- Repetitive motion.
- Electrical hazards.
- Light (optical) radiation (i.e. welding operations, etc.).
- Standing water that may come in contact with electricity.

Key points in conducting the analysis:

- Select jobs with the highest risk for a workplace injury or illness.
- Select an experienced employee who is willing to be observed.
- Involve the employee and his/her immediate supervisor in the process.
- Identify and record each step necessary to accomplish the task.
- Use an action verb (i.e. pick up, turn on) to describe each step.
- Identify all actual or potential safety and health hazards associated with each task.
- Determine and record the recommended action(s) or procedure(s) for performing each step that will eliminate or reduce the hazard (i.e. engineering changes, job rotation, PPE, etc.).