- Has been proven to be effective in many industries.
- Looks at individual job or work assignment.
- Reviews job methods and helps uncover hazards and recommends safe procedures.

Three basic steps:

- Each job broken down into a sequence of steps. Each step describes the actions of the job as that job is performed.
- Each step is examined to find and identify hazards. (actions, conditions, possibilities that could lead to accident)

Job Safety Analysis (steps)

 Recommended actions or procedures are determined for each hazard. Can become a guideline for actions necessary to eliminate or reduce hazards.

JSA

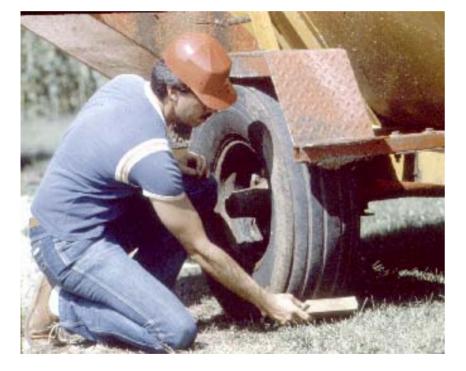
- Can be used in awareness training
- Inspection and investigations
- Document Training

JSA Break Job Down into Steps

• Simple task of hooking a tractor to a PTO powered feeder wagon



• First drive tractor to feeder



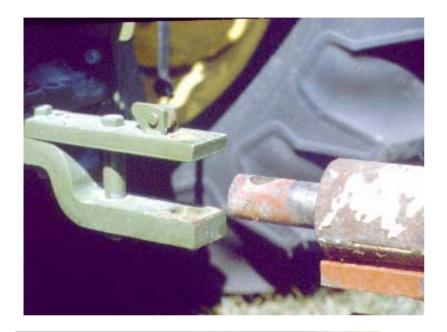
 Block Wheels to prevent movement



• Back tractor wagon



- Back to hitch
- Raise or lower hitch



 Move tractor until hitch is lined up and pin is connected





Connect PTO Shaft

Sample Job Safety Analysis Form

	Person Who Does Job:	erson Who Does Job: Supervisor:		Date:	New New
JOB SAFETY ANALYSIS	Tractor Driver			Sept. 10,1983	
Organization:	Location:	Departmen	t	Analysis By:	
Bonnie Lea Stock Farm	Platt Valley Section One	Crops		W.J.F.	
Required And/Or Recommended				Approved By:	
	shoes, bump cap required, leat			J.L.B. DACTION OR PROCI	
SEQUENCE OF BASIC JOB STEPS	ENCE OF BASIC JOB STEPS POTENTIAL HAZARDS		RECOMMENDE	DACTION OF PROU	
1. Drive alongside full wagon	Collision with full wagon	Collision with full wagon or harv-		Maintain 6'-8' clearance. Watch operator for signa	
	ester.				
2. Operator stops. Driver stop	os. Fall from tractor. Stumbl	e in stub-	Turn off tractor engine or place transmission in		
slightly behind loaded wagon.	Dis- ble. Operator moves unexp	ble. Operator moves unexpectedly park. Use hand		holds, Walk-don't run. Have operato	
mounts, withdraws hitch pin.	while worker is between.m	while worker is between machines.		attention before going between machines. Place	
MOUNTER, WICHARAWS MILLEN PHIL.			hitch pin in a secu	-	
3. Return to tractor. While or	er- Stumble in stubble field.	Fall from	Walk-don't run. Use hand holds and steps. Use		
ator is moving forward, restar	t tractor. Collision with f	ull wagon	standard starting p	rocedures. Drive	slowly enough
tractor. Drive toward harvesto	or or harvestor.		to assure control o	f tractor and wag	jon. Make
at 45 degree angle.			certain that tracto	r can not roll o	: slip into gea
When as close as possible, tu	:n		off is the best pra	ctice.	<u> </u>
away at an angle until the tra					
is clear of harvestor. Stop					•
engine or place in park. Dismo	ount.				
Remove hitch pin.					··
			· · · · · · · · · · · · · · · · · · ·		

• Run over foot or child





- Hitch doesn't line up
- Potential move wagon or sudden jerk cause injury to bystander



- Hitch fall off jack if not raised to proper height
- Hard to lift hitch
- Possible back injury



- By stander get run over
- Hit object
- Hit feed wagon

Sequence of Events	Potential Hazards	Recommended Action or Procedure
Block wheels of feed wagon	Roll on incline	Check for slope ahead and behind wheel-use stable block
Back tractor to hitch	Strike wagon or helper	Have helper stand to side, indicating distance during backing
Raise/lower hitch To match drawbar	Tipping of folding of jack	Have jack stand supported by plank, make sure jack is locked

Sequence of Events	Potential Hazards	Recommended Action or Procedure
Park tractor to hitch location. Turn off engine	Roll on incline	Check for slope ahead and behind wheel-use stable block
Insert and lock	Pinch finger	Use palm to insert pin
pin	Loss of wagon in tow	Use pins with locking device, safety chains
Attach power take off drive line	Back strain foot or finger injury if dropped	Stand close as possible to drive line. Grip w/both hands depress lock pin attach release pin, test secure lock