



Job Safety Environmental Analysis (JSEA)

Risk Registry Level:	Medium 12
Task Name:	Mobilization
Safework Tool Category:	Pipeline Construction
Issue Date:	6/30/2017
Completed by:	M. Gautreaux
Safework Suite Doc. No.:	JSEA # 21

Field Reference Guide



Stop the job at any time anyone is concerned about safety. Stop the job if anyone identifies a hazard not recorded on the JSEA. Be alert to any changes in personnel, conditions at the work site, or hazards not covered by the original JSEA. If it is necessary STOP THE JOB, re-assess the task and hazards, amend the JSEA as needed.

Mobilization

Fall Arrest Harness: Protective Clothing(FRC): Hearing Protection: Respirator: Other:

~~Summary of Job:~~ Mobilization consist of obtaining all preparatory work and operations necessary for the movement of personnel, equipment, supplies, and incidentals to the project site. This includes furnishing and erecting field offices, laboratory, portlets, and other facilities necessary for work on the project and all other work which must be performed prior to beginning work on the various contract items at the project site. **Routine:** **Non- Routine:**

Hazardous Energy Sources <i>(choose all that commonly apply to activity)</i>					
Pressure	<input type="checkbox"/>	Gravity	<input checked="" type="checkbox"/>	Sound	<input type="checkbox"/>
Electrical	<input type="checkbox"/>	Biological	<input checked="" type="checkbox"/>	Motion	<input checked="" type="checkbox"/>
Mechanical	<input checked="" type="checkbox"/>	Radiation	<input type="checkbox"/>	Temperature	<input checked="" type="checkbox"/>
Chemical	<input type="checkbox"/>	Other:	<input type="checkbox"/>		



Potential Hazards <i>(choose all that commonly apply to activity)</i>							
Slips, trips, falls	<input checked="" type="checkbox"/>	Pinch Points	<input checked="" type="checkbox"/>	Low Lighting	<input type="checkbox"/>	Lift/bend/twist/reach	<input checked="" type="checkbox"/>
Uneven surface	<input checked="" type="checkbox"/>	Moving parts	<input checked="" type="checkbox"/>	Rotating equipment	<input type="checkbox"/>	Hot Work	<input type="checkbox"/>
Hot/Cold surfaces	<input checked="" type="checkbox"/>	Inclement Weather	<input checked="" type="checkbox"/>	Wildlife, insects	<input checked="" type="checkbox"/>	Vehicular traffic	<input checked="" type="checkbox"/>
Excavations	<input type="checkbox"/>	Heavy Lifts	<input checked="" type="checkbox"/>	Work at Height	<input checked="" type="checkbox"/>	DROPS	<input checked="" type="checkbox"/>
Congestion	<input checked="" type="checkbox"/>	SIMOPS	<input checked="" type="checkbox"/>	Confined Space	<input type="checkbox"/>	Stored Energy	<input type="checkbox"/>


Job Steps	Potential Hazards	Controls and Barriers	Risk Level <i>(Without Controls & Barriers)</i>
1. Travel to Location	1. Pedestrians, Animals, Traffic, School Zones, distractions 2. Fatigue 3. Unsecure load	1. Proper rest, stay alert, buddy system, Eyes on path. Drive defensively, obey traffic laws, and reduce speed in fog, rain, snow. Use turn signals, comply with DOT standards, Ensure proper securement of in bed loads, Use spotter when backing, and Wear seat belt and no cell phone use. 2. Fitness to work Standard	Medium - 12 SWP-76 Vehicle safety; SWP – 46 Journey Management

This document is a certification of the hazard assessment for the task and workplace per US OSHA 1910.132

Job Safety Environmental Analysis (JSEA) Field Reference Guide

<p>2. Hand over Hand back (HO/HB) (if applicable)</p>	<ol style="list-style-type: none"> 1. Improper isolation of equipment 2. Site not as expected 3. Communication issues (phone reception) 	<ol style="list-style-type: none"> 1. Visually walk system down prior to accepting site or system 2. Pre site walk down 3. Find nearest area with clear reception, note on site emergency response plan and discuss at each tailgate / safety meeting. 	<p style="text-align: center;">Medium – 8</p> <p style="text-align: center;">Onsite Safety verification</p>
<p>3. JSEA / PTW development</p>	<ol style="list-style-type: none"> 1. Low light conditions 2. Varmints, snakes & insects 3. Others entering area 4. Adjacent work activity/SIMOPS 	<ol style="list-style-type: none"> 1. Use flashlights 2. Be alert to surroundings 3. Assist incoming personnel 4. Good communication/SIMOPS meeting. 	<p style="text-align: center;">Medium – 8</p> <p style="text-align: center;">JSEA/PTW</p>
<p>4. Equipment / tool Inspection</p>	<ol style="list-style-type: none"> 1. Climbing into equip and truck beds 2. Pinch points, Sharp edges, etc. 3. Varmints, snakes 	<ol style="list-style-type: none"> 1. Three point contact 2. Eyes on hands. Be alert to moving parts and equipment shifting. Wear proper PPE. 3. Be alert to conditions. 	<p style="text-align: center;">Medium – 8</p> <p style="text-align: center;">JSEA</p>
<p>5. Load/Unload mobile equipment, (Track hoes, backhoes, side booms, dozers, etc.)</p>	<ol style="list-style-type: none"> 1. Uneven loading/unloading surfaces 2. Trucks not properly chocked or stabilized 3. Pedestrians 4. Congested work area 5. Unauthorized movement of vehicle 6. Personnel not properly trained, 7. Uneven surfaces - Slip/trip/fall while climbing on/off equipment 8. Ignition source 9. Loss of primary containment 	<ol style="list-style-type: none"> 1. Load/unload on level surfaces, 2. Truck wheels will be chocked and Truck engine turned off, 3. Constantly maintain awareness of surroundings, Use spotter with hi-vis vest. 4. Driver not in vehicle during loading/unloading process, 5. Operator properly trained to operate equipment, Operator properly trained to load/unload equipment, Properly inspecting equipment before use. 6. Use 3 point contact when climbing, 7. Initial gas monitoring each day, & document for Brownfield locations. 8. Have spill kits available. 	<p style="text-align: center;">Medium – 12</p> <p style="text-align: center;">Onsite Safety Presence JSEA; pre use equipment inspection for arriving equipment documented in Safework Suite Inspection tool.</p>
<p>6. Load/Unload materials – Fork truck (Pipe skid, pallets, pipe, flex & poly spools, etc.)</p>	<ol style="list-style-type: none"> 1. Muscle strains 2. Uneven surfaces - Slips/Trips/Falls 3. Improper/inadequate rigging 4. Struck by/Crushed by equipment, load, object. 5. Unauthorized personnel operating equipment, 6. Equipment failure, 7. Loss of primary containment 	<ol style="list-style-type: none"> 1. Proper lifting techniques, Proper body position, 2. Be aware of surroundings, maintain good housekeeping, 3. Proper rigging, Personnel rigger trained. 4. Use spotter with hi-vis vest, set buffer zone per procedure 5. Use trained operator, 6. Properly inspect equipment before use, never leave equipment while load is suspended. 7. Pre-use inspection, annual inspection, spill kits. 	<p style="text-align: center;">Medium – 12</p> <p style="text-align: center;">Onsite Safety Presence JSEA & PTW for Critical lifts</p>
<p>7. Inclement Weather</p>	<ol style="list-style-type: none"> 1. Heat/cold stress 2. Wind gusts/sand storms, visibility problems 3. Rain/Lightning 	<ol style="list-style-type: none"> 1. Monitor heat index and follow precautions based on Heat Stress Policy. 2. Crane lifts suspended at 25 MPH lifts. Adjust work schedule for visibility problems. 3. Monitor weather, shut down based on lightning strike policy. 	<p style="text-align: center;">Medium – 8</p> <p style="text-align: center;">SWP - Heat Stress SWP – Inclement Weather</p>

Job Safety Environmental Analysis (JSEA) Field Reference Guide

		<i>Likelihood</i>				
		Rare	Unlikely	Possible	Likely	Almost Certain
Consequence	Extreme Eg. Extensive damage and/or disabling injury, hospitalization or death. Extensive asset or property damage non-operable/total loss.	MEDIUM 13	MEDIUM 14	HIGH 17	EXTREME 19	EXTREME 20
	High OSHA - Days Away, Restricted or Transfer case. Asset or property damage \$10K to \$50K. Any medical treatment for public injuries.	MEDIUM 10	MEDIUM 11	MEDIUM 12	HIGH 16	EXTREME 18
	Medium Eg. OSHA Recordable Incident (Medical Treatment). Asset or property damage up to \$10K. No public injury beyond first aid.	LOW 4	LOW 5	MEDIUM 8	MEDIUM 9	HIGH 15
	Low Eg. Non-Recordable, First-Aid only, Minor asset or property damage <\$5,000 (operable with repairs).	LOW 1	LOW 2	LOW 3	MEDIUM 6	MEDIUM 7
		Insignificant events within the HSE risk assessment matrix are not considered to have significance for tracking and reporting purposes.				