

ExxonMobil Refining & Supply - Global Remediation
JOB SAFETY ANALYSIS Revised August 2012

COMPANY/ PROJECT NAME or ID/ LOCATION (City, State) Former East Chicago Terminal- Installation Screwed Pipework		DATE 8/30/12	<input checked="" type="checkbox"/> NEW <input type="checkbox"/> REVISED	PAGE 1 of 2	
WORK ACTIVITY (Description): Install Screwed Pipework					
DEVELOPMENT TEAM	POSITION / TITLE	REVIEWED BY:	POSITION / TITLE		
TBD	Foreman	Aron Yakima	Project Manager		
TBD	Laborer	Dave Ruzich	Safety Coordinator		
Mike Adermann	V.P. Operations	TBD	Crane Operator		
MINIMUM REQUIRED PERSONAL PROTECTIVE EQUIPMENT (SEE CRITICAL ACTIONS FOR TASK-SPECIFIC REQUIREMENTS)					
<input checked="" type="checkbox"/> REFLECTIVE VEST <input checked="" type="checkbox"/> HARD HAT <input type="checkbox"/> LIFELINE / HARNESS <input checked="" type="checkbox"/> SAFETY GLASSES	<input type="checkbox"/> GOGGLES <input type="checkbox"/> FACE SHIELD <input type="checkbox"/> HEARING PROTECTION <input checked="" type="checkbox"/> SAFETY SHOES	<input type="checkbox"/> AIR PURIFYING RESPIRATOR <input type="checkbox"/> SUPPLIED RESPIRATOR <input checked="" type="checkbox"/> PPE CLOTHING	<input checked="" type="checkbox"/> GLOVES Cut-resistant <input type="checkbox"/> OTHER Chaps		
¹JOB STEPS	²POTENTIAL HAZARDS	³CRITICAL ACTIONS TO MITIGATE HAZARDS			
1. Receiving Permits to Work.	Inadequate training resulting in personnel not understanding requirements of PTW, leading to injury & equipment damage.	Training to ensure all personnel understand PTWs. Brieser's TSTI/JSA			
2. Perform 2 Minute drill assessment, assess possible hazards not identified on permit.	Poor management , improper work procedures and incorrect tools & equipment leading to personnel injury & equipment damage.	Discuss safest work procedures & practices with work crew, use correct tools & equipment.			
3. Use of Scaffolding	Working on incomplete scaffolds, poor procedures, poor housekeeping, not height-securing tools, equipment deterioration.	Check "Scaffold tag is attached at point of entry & has been completed by ticketed scaffolder. Practice good housekeeping, ensure kickboards are in place, bunting and signage placed below, tools are secured to lanyards.			
4. Prepare pipe in workshop using threading machine	Incorrect operation, poor procedure inadequate training & poor housekeeping leading to equipment damage, injuries to personnel.	Ensure all equipment is correctly tagged, inspect all power tools prior to use, ensure all power leads are hanging from insulated hooks and are not lying on the ground, do not run leads through scaffolds. Wear correct PPE when using powered tools.			
5. Lifting pipes into position using Terex Stinger 4792-20 Ton Crane.	Lifted load falling from above or uncontrolled lifted load causing injury of damage to equipment.. Poor traffic control leading to personnel transiting work area exposing themselves to injury.	Certified rigger to sling loads. Secure loads in place using wirer rope, chain block or Koma-long. Tag line to be placed on all lifted loads. Correct rigging signals and total communication to be used at all times. Barricade work area, Spotter to control site access.			
6. Install pipework	Potential for injury / damage due to poor manual handling, pinch points, incorrect use of hand tools.	Use correct manual handling techniques, plan work movements , wear proper hand protection, follow PPE Matrix-TSTI and be aware of pinch points.			

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7. Cleanup/House keeping.	Poor management, poor procedure & disorganization of the job can lead to personal injury or equipment damage.	Perform 2-Minute drill at any time if anyone in the work group feels it is necessary to do so.
8.		

¹ Each Job or Operation consists of a set of steps. Be sure to list all the steps in the sequence that they are performed. Specify the equipment or other details to set the basis for the associated hazards in Column 2

² A hazard is a potential danger. What can go wrong? How can someone get hurt? Consider, but do not limit, the analysis to: **Contact** - victim is struck by or strikes an object; **Caught** - victim is caught on, caught in or caught between objects; **Fall** - victim falls to ground or lower level (includes slips and trips); **Exertion** - excessive strain or stress / ergonomics / lifting techniques; **Exposure** - inhalation/skin hazards. Specify the hazards and do not limit the description to a single word such as "Caught"

³ Aligning with the first two columns, describe what actions or procedures are necessary to eliminate or minimize the hazards. Be clear, concise and specific. Use objective, observable and quantified terms. Avoid subjective general statements such as, "be careful" or "use as appropriate".