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|  | | | **Job Hazard Analysis (JHA)** | | | | | **Safe Job Procedure** |
| **Identified Task:** | | | | | **Priority Ranking:**  **Severity:** 1. Imminent Danger 2. Serious 3. Minor  4. Not Applicable  **Probability:** A. Probable B. Reasonably Probable  C. Remote D. Extremely Remote | | | **Severity (S) + Probability (P) = Priority Ranking (PR)**  For example,  Working at a height of 4 meters without fall protection.  S (**1**) +P (**A**) =PR (**1A**) |
| Moving drill pipe from pipe tubs to racks | | | | |
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| **Tools/Equipment Required:** | | | | | **Material Required:** | | | Date: January 9th 2015  Page:\_\_1\_\_\_ of \_\_\_2\_\_ |
| **Track hoe, forks** | | | | | **Drill pipe in pipe tub** | | |
|  | | | | |  | | |
| **Steps** | **Sequence of Steps** | **Potential Incidents or Hazards** | | **Priority** | **Controls in Place**  **Identify Controls or Combination of Controls That Are in Place** | | | **Instructions:**  The Job Hazard Analysis must be completed prior to the development of the Safe Job Procedure. |
|  |  |  | |  | **Engineer** | **Administration** | **PPE** |  |
| 1 | Do a pre-trip on excavator and let it warm up for 15 minutes | Slips and trips getting in and out of cab of excavator  Hit by other equipment working in the area | | 3c |  | **SWP/SJP** |  | Wear a traffic vest while getting in and out of the excavator. Use 3 point contact while getting in and out of cab. |
| 2 | Put on the forks and remove bucket from excavator | Pinch points  Pressure on hydraulics | | 2c |  | **SWP** |  | Wear a traffic vest while working outside of the cab. Use a pry bar when working with pinch points. Shut off machine and move hydraulic controls up and down to relieve any pressure in the lines prior to hooking up hydraulic lines to forks |
| 3 | Make sure work area is well lit and snow is not hiding objects laying on the ground. | Run over objects on ground  Hit big ruts under the snow  Have pipe slide off forks | | 2b |  | **SWP/SJP** |  | In situations where there is a lot of snow walk route by hand before driving over ground with excavator. Once it is clear drive over the area a few times empty to pack down the snow before moving any pipes. |
| 4 | Load a single layer of pipes onto the forks and then close grapple over top and hold pipes tight | Pipes could roll when you are loading them  Workers could be hit by moving pipes | | 2c |  | **SWP** |  | Make sure all non-essential personnel are kept out of area while work is being completed. Watch out for other equipment working in area. |
| 5 | Repeat step 4 until enough pipe has been moved to pipe racks | Pipes could fall off pipe rack while loading | | 2c |  | **SWP** |  | Make sure that pipe stops are up on both sides of pipe racks before loading the rack. Never overload a pipe rack. Go see driller if you feel rack can’t hold the pipes you are instructed to load. |
| 6 | Return excavator to parking area and shut down | Hit workers while you are moving.  Slips and trips exiting machine | | 3c |  | **SWP** |  | Drive slowly with lights all on and watch for workers. Let idle down for 15 minutes before shutting machine down. Use 3 point contact when exiting machine. Wear traffic vest while working outside of the cab |
|  |  |  | |  |  | **SWP** |  |  |
|  |  |  | |  |  | **SWP** |  |  |
| **Developed by: Blake Cowan** | | | | | | **Reviewed by: Dylan Gardner** | | |
| **Revised by:** | | | | | | **Approved by: Dylan Gardner** | | |
| **Comments:** | | | | | | | | |
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