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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**) |
| Installing a tank farm crossing |
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| **Tools/Equipment Required:** | **Material Required:** | Date: January 9th 2015Page:\_\_1\_\_\_ of \_\_\_2\_\_  |
| **Excavator, bucket,** | **Metal culvert that all cords and hoes goes through** |
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| **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. Start and let warm up for 15 minutes | Slips and tripsOther equipment and people working nearby. | 3b |  | **SWP/SJP** |  | Use 3 point contact when entering and exiting cab.Wear traffic vest when working outside of the cab. |
| 2 | Make sure the location of the crossing is not going to block critical operations | People working nearby. | 2b |  | **SWP** |  | Make sure to keep all non-essential personnel away from work area |
| 3 | Make sure all cords and hoses are running through the ramp and that the ramp is not damaged | Hoses could rupture if pinched in ramp. Electrical cords could short out and even cause the ramp to be electrically charged | 2c |  | **SWP/SJP** |  | Make sure all hoses are free when you tug on them. Do the same thing with all cords. |
| 4 | Place some weight on top of the ramp before you start to place dirt on both sides | Weight if too heavy can crush hoses and cords under ramp | 2b |  | **SWP** |  | After placing the weight on top of the ramp it is important to make sure hoses and cords are still free and not being pinched by the weight. |
| 5 | Get dirt that is unfrozen for this task. Dig into a pile with bucket until you find unfrozen drit. | Lumps of dirt rolling and hitting excavator | 3b |  | **SWP** |  | Make sure to move all large frozen lumps to a secure place where they can’t roll and hit excavator. Make sure all non-essential personnel are kept clear of this area while you are getting unfrozen soil. |
| 6 | Pile material gently on both sides of the ramp so it can’t move either way. | Other personnel in area. Other equipment in work zone. | 3c |  | **SWP** |  | Keep all non-essential personnel and equipment away from work area. You will be done soon enough. |
| 7 | Pack the earth with tracks on both sides of the ramp to make it secure. | Track hoe could slide off ramp. | 2c |  | **SWP** |  | When climbing up and down the ramp use the bucket to stabilize track hoe so it does not slip or roll over.  |
| 8 | Put weight you set on ramp away and park track hoe | Weight could slip while you are lifting it. Slips and trips when getting out of machine | 2c |  | **SWP** |  | Use a sling if weight is awkward to lift and might slip. Always use 3 point contact when exiting cab of excavator. Wear a traffic vest when working outside of the cab. |
| **Developed by: Blake Cowan** | **Reviewed by: Dylan Gardner** |
| **Revised by:**  | **Approved by: Dylan Gardner** |
| **Comments:** |
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