

On The Hill - Activity Specific Risk Assessment

Activity:

Levers and Pulleys

Updated:

Jan-18

Name:

LW+JC

Description:

The use of levers and pulleys to move, hoist and lift heavy loads on site, including up hills and on the flat.

Hazards	Persons at Risk	Risk without controls			Controls	Risk with controls		
		Outcome	Likelihood	Total Risk Rating		Outcome	Likelihood	Total Risk Rating
Crushing of fingers and feet	Those working near the load	4	4	16	All participants should be made aware before lifting. Hands and feet should be kept clear of lifted load, and care should be taken when rolling loads. Instructions should be given concerning where the load is to be lifted to and the path to be taken prior to lifting. Safe distance should be maintained when load is in transit. Participants should be primed to respond to the word 'STOP'.	4	2	8
Crushing of body	Those working below the load	5	3	15	No person should be present or working below a hoisted load, including loads being hoisted up hill.	5	1	5
Trapping of fingers in pulley	Those working near pulley	4	3	12	A clear distance should be kept between participants and pulley wheels when in operation. The facilitator should position themselves between participants and active pulley wheels. Where necessary the ropes should be re-rigged to give a longer pulling rope. Participants should be primed to respond to the word 'STOP'.	4	1	4
Rope burns	Those pulling the rope	2	5	10	The rope should be passed through the hands rather than walking backwards. Distance should be kept between participants and moving ropes in pulleys. Participants should be primed to respond to 'LET GO'.	2	3	6
Back injury	Those taking the load.	3	4	12	Heavy loads should never be attempted alone. Keep backs straight and lift using the legs. Put loads down slowly. Make use of additional pulley wheels if load is too heavy for the group.	3	2	6
Slips and trips	All	2	5	10	Objects should be removed from the working area which may cause trips. Extra care should be taken in the wet. Participants should pull rope by remaining stationary and pulling the rope through hands.	2	3	6

Other Relevant Activity Specific Risk Assessments:

Building Work;