

PERforM Risk Assessment Tool

PERforM - Participative Ergonomics for Manual Tasks

Manual tasks risk assessment form

Date and Workplace

Date: 1st March 2012 Workplace: Moto Spectacular Stunt Show, Paradise Park

Risk assessors

Work unit/team: OHS Unit and Moto Spectacular Stunt Show

Positions: Health and Safety Advisor, Show Manager, Stunt Coordinator

Names:

Task description

Name of task: Set management during Moto Spectacular Stunt Show

Why was this task selected: Verbal and written reports of discomfort and musculoskeletal injury associated with the task.

Location where task occurs: Moto Spectacular Stunt Show Stadium

Who performs the task: Stunt Show support crew

General description: The Moto Spectacular Stunt Show has a range of set pieces, including ramps, props and lighting booms. These are required to be set up before the performance and then moved frequently during the 30 minute performance.

Postures: Support crew are frequently required to adopt at risk postures, including:

- Stooped back
- Twisted back
- Overhead reaching of arms
- Squatting

Forceful/muscular exertions: Very high forces are required to push, pull and lift the sets (ramps, props and lighting booms). High speed is also required as the sets are moved quickly.

Repetition and duration: The sets are moved constantly during the 30 minute show, the show is presented three times per day. When the show is not in performance the support crew are required to perform other manual tasks around the park such as maintenance and labouring activities.

Tools or equipment used: nil

Work/task organisation and environment: The Stunt Show support crew work in highly demanding environment, where their actions have a direct impact on the safety of the stunt workers.

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Worksheet 2—Risk factor assessment

1. Indicate on the body chart which area(s) of the body you feel are affected by the task.
2. If more than one body part is affected, you may shade the different body parts in different colours. If so, use the matching colour when scoring the risk factors (e.g. red for arms on the body and score sheet, blue for low back on the body and score sheet).
3. Give each risk factor a score out of five. One (1) is when the risk factor is not present and five (5) is when the risk factor is the most severe level they have experienced.

Exertion -How much force is the person using? – Think about starting or stopping quickly					Body part
1 No effort	2	3 Moderate force & speed	4	5 Maximum force or speed	
Awkward posture - How awkward is the person's posture?					
1 All postures neutral	2	3 Moderately uncomfortable	4	5 Very uncomfortable	
Vibration- How much are the whole body or hand(s) being vibrated?					
1 None	2	3 Moderate	4	5 Extreme	
Duration - How long is the action performed for?					
1 < 10 minutes	2 10-30 min	3 30 min – 1 hr	4 1 – 2 hrs	5 > 2 hrs	
Repetition- How often are similar actions done?					
1 No repetition	2	3 cycle time < 30 s	4	5 cycle time < 10 s	

Risk controls

Design control options:

Lockable castors are to be attached to all moveable sets, including ramps.

Modifications are to be made to the “run” of the show to minimise the number of times the sets and the lighting boom have to be moved.

Administrative control options:

Work with the Occupational Nurse to develop a comprehensive medical management program incorporating early intervention and treatment for musculoskeletal injuries.

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