

**New Plymouth injury Safe Trust
10-P Project Report**

**Trades Apprentices Safety Challenge
13 May 2009, Taranaki HSE Centre**



Trades Apprentices Safety Challenge

10-P Model for documenting Community Safety Projects and Programs

1. Project Description

| | |
|----------------------------------|--|
| Project Title | Trades Apprentices Safety Challenge |
| Description | <p>A practical safety competition held at the Taranaki HSE Centre, aimed at Trades Apprentices working primarily in the construction, engineering, and oil & gas industry. The competition was adapted from an existing annual competition for agricultural students held at the Francis Douglas Memorial College farm.</p> <p>The competition involves teams of 4 trades apprentices taking part in 9 x 20 minute practical exercises for which they were awarded points for safety knowledge and skills (e.g. completing a hazard ID, selecting appropriate PPE, team work and answering safety related questions). The activities covered the following topics: manual handling, lifting/scaffolding, road safety, first aid, food handling, physical fitness, chemical handling, fire safety and electrical safety in the home.</p> <p>The Challenge activities ran from 9am – 2pm. The event ended with a quick fire quiz and presentation of the MasterBuilders sponsored trophy for the winning team.</p> <p>The event was organised and promoted by the Taranaki Construction Safety Focus Group with funding and support from ACC and NPiS.</p> |
| Summary of Community Need | <p>The main industries in Taranaki are dairy farming, oil & gas, engineering and construction, all of which carry high health and safety risk. The safety of young workers is of particular concern locally as Department of Labour research has shown a high level of workforce participation among young people but evidence of poor health and safety knowledge/skills. By marketing the event for "trades apprentices" the challenge event was seen as an effective way of reaching younger workers (trades apprentices are typically aged 18-25) in those higher risk occupations.</p> |
| 2. Purpose | |
| Objectives | <p>The event aimed to raise awareness among trades apprentices aged 18-25 years of workplace health and safety and the links between this and safety in the home and on the road. The activities were designed to be relevant and practical, and to reinforce existing knowledge and skills. The event also set out to enhance relationships between NPiS, ACC, Department of Labour and local industry partners.</p> |

| | |
|--|---|
| Outputs | 9 x 20 minute activity sessions led by representatives from private industry, community organisation and Department of Labour. |
| Outcomes | <p>Evaluation feedback from the apprentices suggests that they found the activities relevant and informative. The activity reinforced learning and highlighted that they already had a good level of safety knowledge but needed to remember to apply it. A number of the activity facilitators found that the activity provided a valuable opportunity for them to connect with a typically 'hard to reach group' and undertake some focused educational work with them. Some facilitators gained useful feedback that can be used to inform their education campaigns in future.</p> <p>The Health Protection Unit plan to do some follow up work with the companies involved in the challenge event to offer support with workplace smoking cessation.</p> |
| Target issue | Workplace Safety (with some focus on home and road safety) |
| 3. Process | |
| Research Basis for the Intervention Mechanism | The approach used in the Trades Challenge was based on the premise that the target group (young people working in practical trades occupations) would be best engaged by short, practical and fun activities in a competitive environment. The activities encouraged the young people to work as team, undertake a hazard identification prior to engaging in the task and answer questions designed to test their safety knowledge. All teams were given their score and feedback immediately after the activity, including areas in which they could have improved and gained additional marks. |
| 4. People | |
| Target groups | Trades apprentices aged 18-25 years working in construction, engineering and the oil & gas industry. |
| 5. Place | |
| Setting (taken from ICD-10 code frame) | Workplace |
| 6. Partners | |
| Community; Business; Agencies; Academic; Others | <p>Taranaki Construction Safety Focus Group – planning and coordination of event (with overall responsibility taken by BCITO representative).</p> <p>ACC – support with event planning and preparation, funding of event</p> <p>New Plymouth injury Safe – support with event planning and preparation, funding of event, videoing & creating DVD</p> <p>Department of Labour – delivered and assessed chemical handling and scaffolding/lifting activity</p> <p>Sport Taranaki – delivered and assessed physical fitness activity</p> <p>Red Cross Taranaki – delivered and assessed first aid activity</p> <p>Taranaki DHB (Health Protection Unit) – delivered and assessed</p> |

| | |
|---|--|
| | <p>food handling activity</p> <p>Roadsafe Taranaki – delivered and assessed road safety activity</p> <p>Clelands Construction & Greaves Electrical – delivered and assessed home safety/electrical safety activity</p> <p>Fletchers Construction – delivered and assessed manual handling activity</p> <p>New Plymouth Fire Service – delivered and assessed fire safety activity</p> <p>Industry Trades Teams: Shell Todd Oil Services, Street & Cook Construction Ltd., Bell Building, CJ Scaffolding, Fletcher Construction Company Ltd., Clelands Construction, Pepper Construction, Dave Fabish Ltd.</p> |
| 7. Price | |
| <p>Purchased (Salaries, Operating Expenses & Capital); Donated; Costs to Others (e.g. participants, human, organisational, relational)</p> | <p>Planning & Coordination undertaken by Taranaki Construction Safety Focus Group members.</p> <p>3 planning meetings prior to the event, including 1 meeting with all activity facilitators at the Taranaki HSE Centre</p> <p>11 activity facilitators provided their time free of charge to run and assess safety activities and act as judges for the end of day quiz.</p> <p>2-3 individuals available during the day to support with running the event.</p> <p>Design of publicity materials carried out by BCITO design team free of charge.</p> <p>Loan of equipment for use during the day (e.g. truck, rowing machine, laptops, power tools, etc.)</p> <p>Donation of prizes and goody bags by Mitre 10, PlaceMakers and EquipSafety.</p> <p>Donation of Trophy and engraving by MasterBuilders.</p> <p>7 teams of 4 apprentices (total of 28) were released from work for the day by their respective employers to participate in the challenge event.</p> <p>4 first aid courses donated by Red Cross as a prize (awarded to the team who scored lowest in first aid activity). 4 first aid kits also donated.</p> <p>Expenditure was as follows:</p> <p>\$200 – Hire of HSE Centre (included as part of ACC's annual contracted hours of centre hire)</p> <p>\$180 – Catering (funded by ACC)</p> <p>\$350 – Catering (funded by NPIS)</p> <p>\$50 – Donation to Red Cross (funded by NPIS)</p> <p>\$730 TOTAL</p> |
| 8. Product | |
| <p>Outputs; Exposure; Dose Rates, Results, Outcomes Achieved</p> | <p>28 trades apprentices took part in 9 activities. The small group size allowed focused educational work to be undertaken with the participants. Feedback from the participants suggests that the activities reinforced existing knowledge and highlighted that they already possessed a good level of health and safety knowledge but needed reminders to use it.</p> <p>Most teams struggled with the first aid activity and acknowledged that this was an area they needed to work on. 4 free first aid</p> |

| | |
|---|--|
| | courses were awarded as a spot prize to the team that scored lowest in this area. |
| 9. Progress | |
| Current status (Ongoing or Fixed Term); Milestones; Performance Indicators | <p>It is intended that the Trades Apprentice Challenge will be run as an annual event, complimenting existing challenge events such as the Agricultural Team Challenge and the Gateway Students HSE Centre Challenge.</p> <p>Those involved in the Trades Apprentice Challenge have expressed interest in being involved in a similar event planned later in the year (Business House Safety Challenge) aimed at sedentary workers and designed to make links between work and home safety.</p> |
| 10. Promotion | |
| Action Resulted; Media & other Promotions; Building knowledge basis with other communities | <p>The event was attended and reported on by North Taranaki Midweek.</p> <p>The Health & Safety manager from Clelands was interviewed on the radio and the story run on local news the following day. Article on the event was included in the May issue of NPiS Update newsletter. Story also submitted to IP News and IPNANZ Update newsletters.</p> <p>Story submitted to Taranaki DHB Pulse Magazine for July issue. A DVD of the event was created and circulated to all organisations involved. The DVD will be used at future seminars and conferences. The first of these is planned in Rotorua and Taupo at a local Safety Culture conference to which the NPiS programme manager has been invited to present to agricultural and forestry workers.</p> <p>Information about the event and a copy of the DVD will be sent to the ACC National Falls Programme Lead for circulation to others within ACC as required.</p> |
| Tips for others considering running a similar events... | |
| | <p>This is a labour intensive event that needs a lot of involvement from experienced individuals to design, deliver and assess the safety activities.</p> <p>Taranaki benefits from the availability of a specially designed training centre (HSE Centre) where certain areas are already set up to accommodate activities such as scaffolding activities. However, it could be possible to adapt an existing workplace to cater for the activities. Some of the tasks, such as chemical handling, lifting and fire safety, do not need special areas as such. As long as the appropriate equipment (PPE, fire extinguisher, etc) are provided then the activity could be run anywhere. Other activities (e.g. food handling) needed access to a kitchen or access to electric (e.g. to run a laptop).</p> <p>Activities can be adapted or changed completely to suit different age groups and interests. The main thing to note is that activities should ideally be fun and engaging, and suitable for a team to take part in.</p> |

| For More information please contact: | |
|--------------------------------------|---|
| Name | Channa Perry |
| Organisation | New Plymouth injury Safe Trust |
| Address | NPIS Trust c/- Health Promotion Unit Taranaki DHB Private Bag 2016 New Plymouth |
| Telephone | 06 753 7777 ext 8792 |
| Email | npis@tdhb.org.nz |
| Website | www.npis.org.nz |

Photos from the day...



Fire Safety



Chemical Handling



Working At Heights



Electrical Safety in the Home



Manual Handling & Loading



Road Safety



Physical Fitness



Quick Fire Quiz