Copyright is owned by the Author of the thesis. Permission is given for a copy to be downloaded by an individual for the purpose of research and private study only. The thesis may not be reproduced elsewhere without the permission of the Author.

# Health and Safety Representatives' Contributions to Occupational Health and Safety:

## Case Studies from New Zealand's Metal Manufacturing Sector

A thesis presented in partial fulfilment of the requirements

for the degree of

Master of Business Studies in Human Resource Management

at Massey University, Palmerston North,

New Zealand.

Leigh-Ann Harris 2010

#### **Abstract**

This study focuses on the contributions that health and safety representatives make to occupational health and safety in New Zealand workplaces. It investigates how they and other organisational actors conceive the role purpose, how representatives interpret and enact their roles and how they impact on occupational health and safety.

The study comprises two business cases of organisations in the metal manufacturing sector. Data were collected via semi-structured interviews with eight representatives and 23 other organisational actors known to influence the health and safety representatives' role, including the representatives' managers, co-workers, health and safety managers, senior managers and a union representative. The interview data was thematically analysed (Braun & Clarke, 2006), and triangulated to attain a more accurate picture of reality (Mathison, 1988). The Danish National Working Environment Authority's (2002) impact ladder was used in a novel way to systematically evaluate the representatives' impacts.

Consistent with overseas findings, health and safety representatives also contribute to the improvement of workplace health and safety in New Zealand. Yet, representatives have different interpretations of their purpose, which influences role enactment. To characterise these differences, a typology was developed that included a range of 'types' into which representatives can be grouped: administrators, workshop inspectors, problem solvers and craft experts.

Commonly, all types of health and safety representative foster positive labour relations, and nearly all in this study were perceived by workers to improve health and safety by providing a legitimate avenue of redress. Otherwise, contribution differed among the types; administrators contributed by implementing and maintaining health and safety management systems; workshop inspectors improved workers' attitudes towards health and safety; problem solvers facilitated improvements to production from a health and safety perspective; and craft experts influenced the development of standards and procedures for the management of hazards at the strategic level. Factors influencing health and safety representatives' role enactment and impact appeared to relate to how the purpose of the role is defined and communicated at the workplace, the representatives' expert power bases and abilities, and the nature of their job role.

The study identifies the implications of these findings for health and safety policy, training and further research. Finally, it highlights the value of a cross-perceptual approach to enrich understanding of the multifaceted nature of representatives' contributions to workplace health and safety.

#### **Acknowledgements**

Thank you to everyone who showed an interest in this study and contributed to its completion.

A special thanks to my supervisors, Dr Kirsten Olsen and Dr Robyn Walker, to whom I owe much gratitude for their careful guidance, encouragement and patience. 'Ta', in particular, to Kirsten for the friendship and faith as well as to Associate Professor Peter Hasle for kindly taking the time to help me see the 'bigger picture' while on sabbatical.

I'm grateful to Businesses A and B for supporting this study, especially the OHS managers who were generous in accommodating my requests, and to the participants for speaking to me in such a willing and open manner. The interviews were a highlight!

Thanks also to the ACC's Metal Manufacturing Safer Industry Group for assistance with the recruitment of the case studies.

Thank you to everyone at Massey University's Centre for Ergonomics, Occupational Safety and Health. I appreciate the support, friendship and employment, which gave me the confidence to undertake this study. Particular thanks to Professor Stephen Legg for helping to create opportunities and for providing the ice creams.

My appreciation goes to Massey University for the Masterate and Mary Mallon Scholarships, as well as to the School of Management for helping to fund the data collection costs. I'm also grateful to the University's Health and Safety Office for the support, and to the Human Ethics Committee: Southern B for the constructive feedback.

## **Table of contents**

Abstract	
Acknowledgements	i
List of figures	v
List of tables	<b>v</b> i
List of appendices	vi
Glossary of acronyms	vii
Chapter 1: Introduction	1
1.1 The significance of employee participation in OHS	1
1.2 Dimensions of employee participation defined	2
1.3 Background and research question	3
1.4 Thesis structure	5
Chapter 2: Background	7
2.1 Introduction	7
2.2 Legislating for HS representatives: New Zealand's historical context	7
2.3 New Zealand's legislative framework for employee participation in OHS	12
2.4 Facilitating employee participation in OHS: HS representative training	15
2.5 Conclusion	17
Chapter 3: Literature review	19
3.1 Introduction	19
3.2 Social and political conditions that impact on employee participation in OHS	21
3.3 Businesses' contextual conditions and factors: The implications for employee part in OHS	•
3.4 Conditions within firms influencing the role of the HS representative: The commimanagement, trade unions and the role of the inspectorate	
3.5 Conditions influencing HS representatives: Sources of power and influence	36
3.6 Activities and strategies of HS representatives	43
3.7 Impact of representative OHS employee participation on workplace health and saf	ety50
3.8 Conclusion	55
Chapter 4: Research design	59
4.1 Introduction	59
4.2 Background and research question	59
4.3 Research design	60
1.4 Data analysis	71

4.5 Ethics	73
4.6 Conclusion	73
Chapter 5: Business A's results	75
5.1 Introduction	75
5.2 Business organisation and management	75
5.3 Trade union organisation and commitment to OHS	76
5.4 Management commitment and responsibility for OHS	76
5.5 OHS employee participation system	77
5.6 HS representative 1: Shannon	79
5.7 HS representative 2: Chrissie	88
5.8 HS representative 3: Robert	95
5.9 HS representative 4: Glen	102
5.10 Business A's results summarised	105
Chapter 6: Business B's results	111
6.1 Introduction	111
6.2 Business organisation and management	111
6.3 Trade union organisation and commitment to OHS	112
6.4 Management commitment and responsibility for OHS	113
6.5 OHS employee participation system	113
6.6 HS representative 1: Nick	118
6.7 HS representative 2: Jack	126
6.8 HS representative 3: Doug	133
6.9 HS representative 4: Barry	140
6.10 Business B's results summarised	145
Chapter 7: Discussion	151
7.1 Introduction	151
7.2 HS representatives' contributions to OHS	151
7.3 Comment	172
Chapter 8: Conclusions and recommendations	173
8.1 Introduction	173
8.2 Limitations of the study	174
8.3 Conclusions	175
8.4 Recommendations	178
References	191

## **List of figures**

Figure 1. Number of attendees at approved HS representative training courses16
Figure 2. Theoretical model of conditions and factors impacting on the activities and strategies of HS representatives and the occupational health and safety outcomes20
Figure 3. Theoretical framework to profile the activities of OHS practitioners46
Figure 4. Impact ladder51
Figure 5. Business A's enterprise structure and employee count76
Figure 6. Shannon's impact on OHS in relation to the impact ladder87
Figure 7. Chrissie's impact on OHS in relation to the impact ladder94
Figure 8. Robert's impact on OHS in relation to the impact ladder101
Figure 9. Glen's impact on OHS in relation to the impact ladder105
Figure 10. The activities of four of Business A's HS representatives in relation to the activities in which they were expected to participate107
Figure 11. Business B's organisational structure112
Figure 12. Business B's hierarchy of HS representatives
Figure 13. Business B's health and safety committee structure116
Figure 14. Nick's impact on OHS in relation to the impact ladder125
Figure 15. Jack's impact on OHS in relation to the impact ladder132
Figure 16. Doug's impact on OHS in relation to the impact ladder139
Figure 17. Barry's impact on OHS in relation to the impact ladder145
Figure 18. The activities of four of Business B's HS representatives in relation to the activities in which they were expected to participate147
Figure 19. HS representatives' dominant OHS strategies classified according to Brun and Loiselle's (2002) framework157

### List of tables

Table 1. EMA and NZCTU HS representative training course content: Stage 1 - 316
Table 2. OHS activities in which attendees of stage one and two of the NZCTU and EMAHS training courses reportedly participated
Table 3. A description of Business A's participants66
Table 4. A description of Business B's participants67
Table 5. Perspectives of Shannon's purpose, activities, role facilitators, role barriers and impact: A summary of the interview results
Table 6. Shannon's activities in relation to activities in which HS representatives are expected to participate (legislative requirements and OHS manager's expectations)85
Table 7. Perspectives of Chrissie's purpose, activities, role facilitators, role barriers and impact: A summary of the interview results90
Table 8. Chrissie's activities in relation to activities in which HS representatives are expected to participate (legislative requirements and OHS manager's expectations)92
Table 9. Perspectives of Robert's purpose, activities, role facilitators, role barriers and impact: A summary of the interview results97
Table 10. Robert's activities in relation to activities in which HS representatives are expected to participate (legislative requirements and OHS manager's expectations)99
Table 11. Summary of Glen's purpose, activities, role facilitators, role barriers and impacts
Table 12. Glen's activities in relation to activities in which HS representatives are expected to participate (legislative requirements and OHS manager's expectations)104
Table 13. Perspectives of Nick's purpose, activities, role facilitators, role barriers and impact: A summary of the interview results
Table 14. Nick's activities in relation to activities in which HS representatives are expected to participate according to the Health and Safety Participation Agreement123
Table 15. Perspectives of Jack's purpose, activities, role facilitators, role barriers and impact: A summary of the interview results128
Table 16. Jack's activities in relation to activities in which HS representatives are expected to participate according to the Health and Safety Participation Agreement130

Table 17. Perspectives of Doug's purpose, activities, role facilitators, role barriers and impact: A summary of the interview results135
Table 18. Doug's activities in relation to activities in which HS representatives are expected to participate according to the Health and Safety Participation Agreement137
Table 19. Summary of Barry's purpose, activities, role facilitators, role barriers and impact
Table 20. Barry's activities in relation to activities in which HS representatives are expected to participate according to the Health and Safety Participation Agreement143
Table 21. HS representatives' OHS impacts in relation to the impact ladder159
Table 22. HS representatives' power bases
Table 23. Summary of the key points from the discussion in relation to each HS representative type

# List of appendices

Appendix A: A snapshot of New Zealand's metal manufacturing sector	193
Appendix B: E-mail invitation to OHS managers	197
Appendix C: Example of an information sheet for participants	200
Appendix D: Participant consent form	202
Appendix E: Interview schedule for senior managers	203
Appendix F: Interview schedule for OHS managers	205
Appendix G: Interview schedule for line managers of HS representatives	209
Appendix H: Interview schedule for HS representatives	213
Appendix I: Interview schedule for co-workers of HS representatives	217
Appendix J: Interview schedule for union convenors	219
Appendix K: Business B's Health and Safety Participation Agreement	221

#### **Glossary of acronyms**

ACC Accident Compensation Corporation

ACOSH Advisory Committee for Occupational Safety and Health

BusNZ Business New Zealand

ECA Employment Contracts Act 1991

EMA Employers and Manufacturers Association

EPMU Engineering, Printing and Manufacturing Union

ERA Employment Relations Act 2000

HSE Act Health and Safety in Employment Act 1992

HSE Amendment Act Health and Safety in Employment Amendment Act 2002

HSE Amendment Bill Health and Safety in Employment Amendment Bill

HS representative Health and safety representative

NZCTU New Zealand Council of Trade Unions

OHS Occupational health and safety

OHS committee Occupational health and safety committee

OSH Bill Occupational Safety and Health Bill

PPE Personal protective equipment

WERS Workplace Employment Relations Survey

WIRS Workplace Industrial Relations Survey

WSMP Workplace Safety Management Practices programme