

TABLE OF CONTENTS

	Page
Acknowledgment	vi
Abstract	vii
Chapter One: Introduction	
Background	1
Study objectives	2
Limitations	2
Report overview	2
Chapter Two: Literature Review	3
The concept of total quality management (TQM)	3
Benefits of introducing TQM	7
The difficulties of implementing TQM	8
Chapter Three: Research Plan	12
Chapter Four: Case Study	14
4.1 Background	14
4.2 Benchmarking	15
4.3 Starting the Journey	16
4.4 Commitment of upper management	17
4.5 Initial quality efforts	18
4.6 Creating the vision	18
4.7 The quality improvement program: an overview	19
4.8 Developing awareness and commitment	21
4.9 Training	22
4.10 Organization assessment	23
4.10.1 Planning the assessment	23
4.10.2 The assessment	23
4.10.3 Customer satisfaction questionnaire	24

TABLE OF CONTENTS (cont.)

4.10.4 Interview and focus groups	24
4.10.5 Assessment of core processes	25
4.10.6 Result of the assessment	25
4.11 Implementation	26
4.11.1 Breakthrough improvement	26
4.11.2 Partnering workshop	27
4.11.3 Continuous improvement	28
4.12 Integration and alignment	28
4.12.1 Steering committee: quality councils	30
4.12.2 Department quality council	30
4.12.2.1 Ensuring the mindset	32
4.12.2.2 Creating the culture	32
4.13 Work Improvement Initiation	33
4.13.1 Work Improvement notification review	38
4.13.2 Implementing a work improvement notification proposal	39
4.13.3 Forming a team based on a work improvement notification	39
4.13.4 Denying a work improvement notification Item	40
4.13.5 Review of team results	40
4.13.6 Tracking progress	41
4.13.7 Rewarding and recognizing individual and team effort	42
4.14 Quality systems	42
4.15 Impact of TQM	43
4.16 Obstacles associated with TQM Implementation	43
Chapter Five: Summary and conclusions	47
References	50

**Appendix A: Survey of customer satisfaction: Inspection department,
vendor inspection division**

**Appendix B: Engineering Administration Area, list of work
improvement notification (WIN) for 1997**

**Appendix C: Table of content of the quality manual that was develop
for the inspection department**

List of tables

	Page
Table 1. Reasons for TQM failure	11

List of figures

		Page
Figure 4.1	Quality improvement model	20
Figure 4.2	Organizing for continuous improvement	29
Figure 4.3	Inspection department organization chart	31
Figure 4.4	Work improvement notification form	35
Figure 4.5	Employee suggestion system schema	37