

CONTENTS

FOREWORD	vii
PREFACE	ix
INTRODUCTION	1
1 AN OVERVIEW OF ANSI/AIHA Z10-2005: THE AMERICAN NATIONAL STANDARD FOR OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEMS	7
2 THE PLAN-DO-CHECK-ACT CONCEPT (PDCA)	33
3 SERIOUS INJURY PREVENTION	45
4 HUMAN ERROR REDUCTION	67
5 MANAGEMENT LEADERSHIP AND EMPLOYEE PARTICIPATION – SECTION 3.0	81
6 ACHIEVING ACCEPTABLE RISK LEVELS: THE OPERATIONAL GOAL	97
7 PLANNING – SECTION 4.0	107

vi CONTENTS

8	A PRIMER ON HAZARD ANALYSIS AND RISK ASSESSMENT – SECTION 4.2	111
9	INCLUDING RISK ASSESSMENT PROVISIONS IN STANDARDS AND GUIDELINES: A TREND	145
10	THREE AND FOUR DIMENSIONAL NUMERICAL RISK SCORING SYSTEMS	163
11	IMPLEMENTATION AND OPERATION – SECTION 5.0	199
12	HIERARCHY OF CONTROLS: THE SAFETY DECISION HIERARCHY – SECTION 5.1.1	203
13	SAFETY DESIGN REVIEWS – SECTION 5.1.2	221
14	LEAN CONCEPTS: OPPORTUNITIES FOR SAFETY PROFESSIONALS	255
15	MANAGEMENT OF CHANGE – SECTION 5.1.2	271
16	THE PROCUREMENT PROCESS – SECTION 5.1.3	289
17	EVALUATION AND CORRECTIVE ACTION – SECTION 6.0	337
18	INCIDENT INVESTIGATION – SECTION 6.2	341
19	AUDIT REQUIREMENTS – SECTION 6.3	361
20	MANAGEMENT REVIEW – SECTION 7.0	379
21	Z10, OTHER SAFETY STANDARDS AND GUIDELINES, AND VPP CERTIFICATION	383
	INDEX	405