SCAT Chart - Systematic Cause Analysis technique - SCAT Chart

EVALUATION OF LOSS POTENTIAL IF NOT CONTROLLED

O Rare (C) O Moderate (B) O Low (C)

O Major (A) O Serious (B) O Minor (C)

O High (A) O Moderate (B) O Low (C)

Frequency of Exposure

O Extensive (A) O Moderate (B) O Low (C)

Type of Contact or Near Contact with Energy or Substance

1. Struck against (Running or Bumping into) (See I.C's: 1,2,4,5,6,9,10,12,13,14,15,19,20,26)
2. Struck by (Hit by Moving Object) (See I.C's: 1,2,4,5)
3. Fall To Lower Level (See I.C's: 2,3,5,6,7,11,12,13,14,15,16,17,18,22,26)
4. Fall On Same Level (Slip and Fall, Trip Over) (See I.C's: 4,5,13,15,16,19,22,26)
5. Caught in (Pinch and Nip Points) (see I.C's: 7,12,13,14,15,16,18)
6. Caught On (Snagged, Hung) (See I.C's: 5,6,11,12,13,14,15,16,17,18,20,21,25,27,28)
7. Caught Between Or Under (Crushed Or amputated) (See I.C's: 2,5,9,11,13,14,15,16,22,28)
8. Contact with (Electricity, Heat, Cold) Radiation, Caustics, Toxics, Noise (See I.C's: 6,7,9,11,12,13,14,15,16,17,18)
9. Overstress, Overexertion, Overhead (See I.C's: 5,6,10,11,13,14,15)

PERSONAL FACTORS

1. Inappropriate height, weight, size, strength, reach, etc.
2. Restricted range of body movement
3. Limited ability to sustain body positions
4. Substance sensitivities or allergies
5. Sensitivities to sensory extremes (temperature, sound, etc)
6. Vision deficiency
7. Hearing deficiency
8. Other sensory deficiency (touch, taste, smell, balance)
9. Respiratory incapability
10. Other permanent physical capabilities
11. Temporary disabilities

2. Inadequate mental/Physiological Capability

1. Inappropriate height, weight, size, strength, reach, etc.
2. Restricted range of body movement
3. Limited ability to sustain body positions
4. Substance sensitivities or allergies
5. Sensitivities to sensory extremes (temperature, sound, etc)
6. Vision deficiency
7. Hearing deficiency
8. Other sensory deficiency (touch, taste, smell, balance)
9. Respiratory incapability
10. Other permanent physical capabilities
11. Temporary disabilities

SCAT Chart - Systematic Cause Analysis technique - SCAT Chart

3. Inadequate Leadership and/or Supervision

See CAN: 1,2,4,5,6,7,9,10,11,12,13,14,15,16,18)

4. Lack of Knowledge

See CAN: 1,2,4,5,6,7,9,10,11,12,13,14,15,16,18)

5. Lack of Skill

See CAN: 1,2,4,5,6,7,9,10,11,12,13,14,15,16,18)

6. Lack of Training

See CAN: 1,2,4,5,6,7,9,10,11,12,13,14,15,16,18)

7. Inadequate.Systems/Methods

See CAN: 1,2,4,5,6,7,9,10,11,12,13,14,15,16,18)

8. Inadequate Leadership and/or Supervision

See CAN: 1,2,4,5,6,7,9,10,11,12,13,14,15,16,18)

9. Inadequate Communication

See CAN: 1,2,4,5,6,7,9,10,11,12,13,14,15,16,18)

10. Inadequate Purchasing

See CAN: 1,2,4,5,6,7,9,10,11,12,13,14,15,16,18)

11. Inadequate Maintenance

See CAN: 1,2,4,5,6,7,9,10,11,12,13,14,15,16,18)

12. Inadequate Work Standards

See CAN: 1,2,4,5,6,7,9,10,11,12,13,14,15,16,18)

13. Inadequate Work Standards

See CAN: 1,2,4,5,6,7,9,10,11,12,13,14,15,16,18)

14. Inadequate Work Standards

See CAN: 1,2,4,5,6,7,9,10,11,12,13,14,15,16,18)

15. Inadequate Work Standards

See CAN: 1,2,4,5,6,7,9,10,11,12,13,14,15,16,18)

16. Inadequate Work Standards

See CAN: 1,2,4,5,6,7,9,10,11,12,13,14,15,16,18)

17. Inadequate Work Standards

See CAN: 1,2,4,5,6,7,9,10,11,12,13,14,15,16,18)

18. Inadequate Work Standards

See CAN: 1,2,4,5,6,7,9,10,11,12,13,14,15,16,18)

19. Inadequate Work Standards

See CAN: 1,2,4,5,6,7,9,10,11,12,13,14,15,16,18)

20. Inadequate Work Standards

See CAN: 1,2,4,5,6,7,9,10,11,12,13,14,15,16,18)

21. Inadequate Work Standards

See CAN: 1,2,4,5,6,7,9,10,11,12,13,14,15,16,18)

22. Inadequate Work Standards

See CAN: 1,2,4,5,6,7,9,10,11,12,13,14,15,16,18)

23. Inadequate Work Standards

See CAN: 1,2,4,5,6,7,9,10,11,12,13,14,15,16,18)

24. Inadequate Work Standards

See CAN: 1,2,4,5,6,7,9,10,11,12,13,14,15,16,18)

25. Inadequate Work Standards

See CAN: 1,2,4,5,6,7,9,10,11,12,13,14,15,16,18)

26. Inadequate Work Standards

See CAN: 1,2,4,5,6,7,9,10,11,12,13,14,15,16,18)
14 Exercise Wear and Tear
(See CAN: 3,4,6,9,10,13,14,15)
14.1 Inadequate planning of use
14.2 Improper extension of service life
14.3 Improper use of equipment and/or monitoring
14.4 Improper loading or rate of use
14.5 Inadequate maintenance
14.6 Use by unqualified or untrained people
14.7 Use for wrong purpose

15 Abuse or Misuse
15.1 Improper conduct that is not conditioned
15.1.1. Intentional
15.1.2. Unintentional
15.2 Improper conduct that is not conditioned
15.2.1. Intentional
15.2.2. Unintentional

1 LEADERSHIP AND ADMINISTRATION
1.1 General Policy
1.2 Program Coordinator
1.3 Senior and Middle Management Participation
1.4 Management Performance Standards
1.5 Management Participation
1.6 Presentation at Management Meeting
1.7 Management Reference Manual
1.8 Management Audits Conducted
1.9 Individual Responsibility for Safety and Health
1.10 Establishment of Annual Safety and Health Objectives
1.11 Joint safety & Health Committees and/or Safety and Health Representatives
1.12 Refusal to Work on Grounds of safety & Health Hazard(s) procedure
1.13 reference library

2 MANAGEMENT TRAINING
2.1 Management Orientation/Induction Program
2.2 Formal Initial Training of Senior Management Personnel
2.3 Formal Review and Update Training of senior Management Personnel
2.4 Formal Initial Training of Supervisory and Middle Management Personnel
2.5 Comprehensive Training of Supervisor and Middle Management personnel
2.6 Formal Training of program coordinator

3 PLANNED INSPECTIONS
3.1 Planned General Inspections
3.2 Follow-up Procedures
3.3 Inspection report Analysis
3.4 Critical Parts/Items Inspection Program
3.5 Preventive Maintenance Program
3.6 Mobile and Material-Handling Pre-Use

8 ORGANIZATIONAL RULES

(CAN) Control Action Needs (CAN)

Program Present (P), Standards (S), Compliance (C)

5 ACCIDENT AND INCIDENT INVESTIGATION
5.1 Accident/Incident Investigation Procedure
5.2 Scope of Investigations Established
5.3 Remedial Follow-up and Action
5.4 Major Accident Announcement Used
5.5 High Potential Incident Information Used
5.6 Operating management Participation
5.7 Incident Reporting and Investigation
5.8 Accident/Incident Report Maintenance
5.9 Regular Program Monitoring

6 TASK OBSERVATION
6.1 Program Present (P), Standards (S), Compliance (C)
6.2 Complete Task Observation Program
6.3 Level of Complete Task Observations
6.4 Partial Task Observation Program
6.5 Task Observation Report Analysis
6.6 Regular Program Monitoring

7 EMERGENCY PREPAREDNESS
7.1 Program Present (P), Standards (S), Compliance (C)
7.2 emergency Plan in Writing
7.3 Supervisory Training in First Aid
7.4 Employee Training in First Aid (10%)
7.5 Emergency Lighting and Power
7.6 Mason Controls Color Coded and Labelled
7.7 Protective and Rescue Equipment
7.8 Emergency Team Training and Drills
7.9 Qualified First Aid Attendees
7.10. Organized Outside Help and Mutual Aid
7.11 Protection of Vital Records
7.12 Post Event Planning
7.13 Emergency Communication Provided
7.14 Public Safety Communications Planned

10 EMPLOYEE TRAINING
10.1 Training Needs Analysis
10.2 Employee Training Program
10.3 Training Program evaluation

11 PERSONAL PROTECTIVE EQUIPMENT
11.1 Personal Protective Equipment Standards
11.2 Personal Protective Equipment
11.3 Enforcement of Standards
11.4 Regular Program Monitoring

12 HEALTH CONTROL
12.1 Health Hazard Identification
12.2 Health hazard Control
12.3 Information/Training/education
12.4 Industrial Hygiene Monitoring
12.5 Health Maintenance program
12.6 Health Controls
12.7 Health Communications to Worker
12.8 Record Maintenance

13 PROGRAM EVALUATION SYSTEM
13.1 Comprehensive Audit of Compliance with Program standards
13.2 Comprehensive Audit of Compliance with Physical Conditions standards
13.3 Comprehensive Audit of Compliance with Fire Prevention and Control Standards
13.4 Comprehensive Audit of Compliance with Occupational Health standards
13.5 Program Evaluation Systems Record Keeping

14 ENGINEERING CONTROL
14.1 Design Engineering Safety and Health Considerations at conception and Design

16 GROUP MEETINGS
16.1 Group Meeting Held
16.2 Program Present (P), Standards (S), Compliance (C)
16.3 Middle and Top Management Involvement
16.4 Regular Program Monitoring

17. GENERAL PROMOTION
17.1 Use of program statistics and facts
17.2 Use of program statistics and facts
17.3 Critical Topic Promotion
17.4 Use of program statistics and facts
17.5 Program Information Publication
17.6 Group Performance Promotion
17.7 Housekeeping Promotion
17.8 Records of Program Promotion Activities

18 HIRING AND PLACEMENT
18.1 Program Present (P), Standards (S), Compliance (C)
18.2 Pre-Employment Physical examination
18.3 Pre-Employment/Pre-Placement Qualification Checks
18.4 Pre-Employment/Pre-Placement Qualification Checks

19 PURCHASING CONTROLS
19.1 Purchasing Includes safety and health in Specifications and Procurement
19.2 Selection and Control of Contractor

20.1 Reporting System Established and statistics
20.2 Off-the-job safety Information Communicated