

Safety and Health Manual Accident Cause Analysis Flow Chart

This flow chart should assist you in completing a quality accident investigation report. Start at the left side and ask all questions in each column starting with the Results column. Then proceed to the subsequent columns until you reach the bottom of the System Failures column.

ACCIDENTS	RESULTS	IMMEDIATE CAUSES	BASIC CAUSES	MANAGEMENT ISSUES
<u>Basic Types</u> 1. Struck by 2. Struck against 3. Contact with 4. Caught on 5. Caught on or between 6. Fall on same level 7. Fall from different level 8. Exposure 9. Over-exertion 10. MSD 11. Other	<u>Injury/Illness</u> 1. Serious 2. Recordable 3. First Aid 4. Near Accident <u>Property Damage</u> 1. None 2. Minor 3. Serious 4. Major	<u>Unsafe Acts</u> 1. Operating without authority 2. Failure to warn or secure 3. Operating at unsafe speed 4. Nullifying safety devices 5. Using defective equipment 6. Using equipment improperly 7. Failure to use personal protective equipment 8. Improper loading or placement 9. Improper lifting 10. Servicing equipment in motion 11. Servicing hazardous equipment 12. Horseplay <u>Unsafe Conditions</u> 1. Inadequate guards or protection 2. Defective equipment or material 3. Congestion or inadequate work space 4. Fire and explosion hazards 5. Unexpected movement hazards 6. Projection hazards 7. Poor housekeeping 8. Hazardous environmental conditions 9. Hazardous placement or storage 10. Inadequate ventilation 11. Inadequate illumination 12. Unsafe personal attire	<u>Personal Factors</u> 1. Lack of knowledge or skill 2. Improper motivation attempting to: a. Save time or effort b. Avoid discomfort c. Attract attention d. Assert independence e. Seek group approval f. Express hostility 3. Physical or mental problem <u>Job Factors</u> 1. Inadequate work standards 2. Inadequate design 3. Inadequate maintenance 4. Inadequate purchasing standards 5. Normal wear and tear 6. Abnormal use and wear	1. Inadequate program 2. Inadequate standards/procedures 3. Lack of knowledge of standards/procedures 4. Lack of enforcement of standards/procedures