

Accident Records and Injury Rates

less than four because the lower limit will be negative. Since a plant cannot experience a negative number of injuries per month, a chart based on an average of less than four would not yield meaningful results.

- 3 Calculate a new average each year to reflect any change in the monthly average number of injuries.
- 4 Construct more than one chart if there are seasonal changes in employment. For example, if an operation employs one

hundred people for the first 6 months of each year and four hundred people for the last 6 months, a separate chart must be constructed for each 6-month period.

- 5 Construct a new control chart if external factors, such as a change in the level of employment, a change in the work environment, or a change in work hazards, bring about a permanent change in work-injury experience. When calculating a new average in such a situation, do not use experience prior to the change.

References

- American Standards Institute 1430 Broadway, New York, N Y 10018
Method of Recording and Measuring Work Injury Experience, Z16.1-1967
Method of Recording Basic Facts Relating to the Nature and Occurrence of Work Injuries, Z16.2-1962
- Walker, Helen M., and Lev, Joseph *Elementary Statistical Methods*, rev. ed. New York, N Y, Holt, Rinehart and Winston, 1958