MONSANTO CHEMICAL COMPANY

Location: Texas City, Texas

Date : March 25, 1960

Subject : Hourly Variation in Minor Injuries

PLAINTIFF'S EXHIBIT
MON-3252

To : Plant Manager's Safety Board

The attached curve was prepared by Mr. Clark by performing an IBM tabulation of the 1959 Texas City minor injuries by hours of the day. You have seen similar curves published on the national average in industry showing peaks in the forenoon and afternoon of the day-shifts. Our curve shows a typical day, Monday through Friday, covering the total number of minor injuries which occur in each hour.

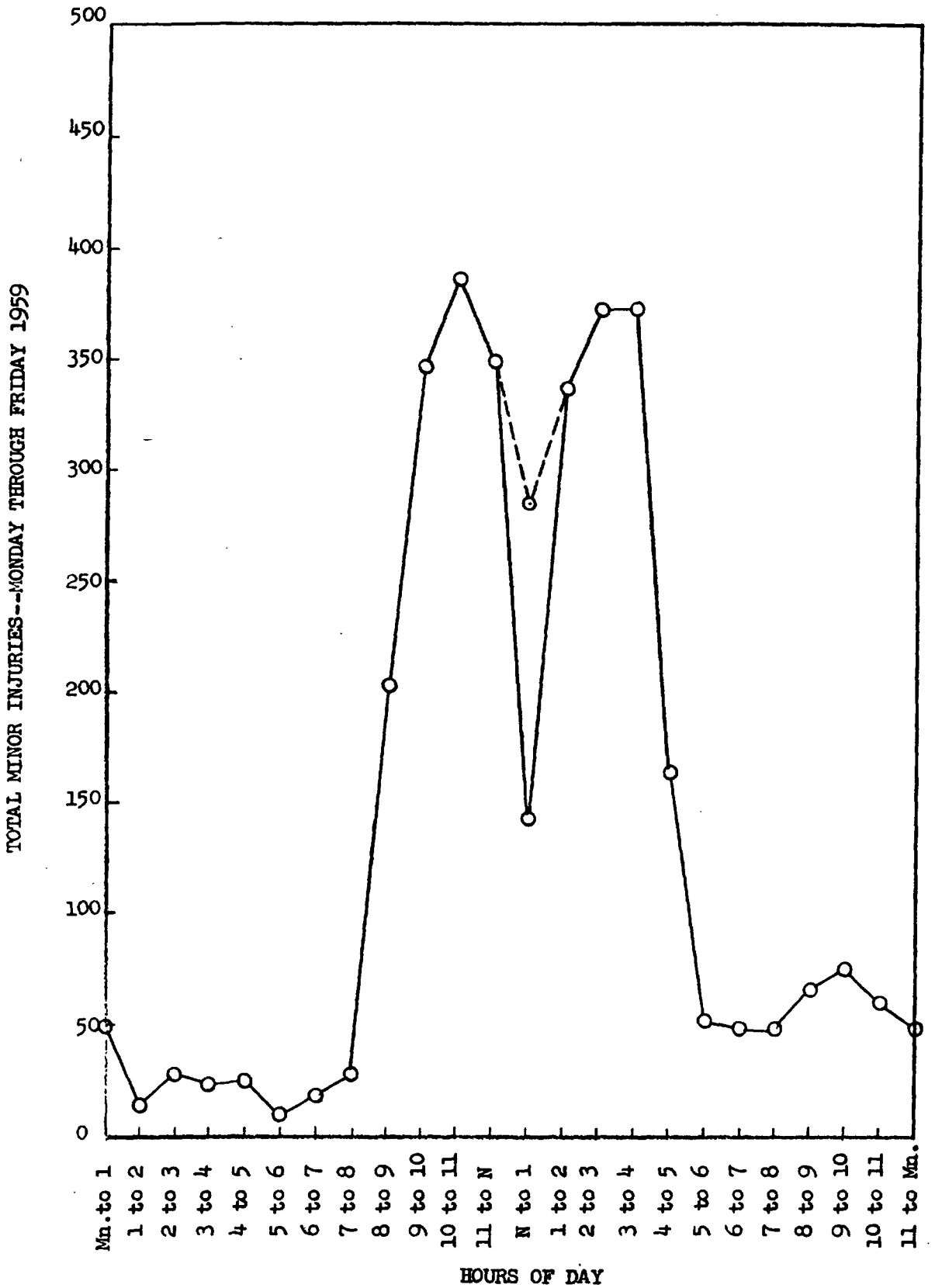
Of course, the number of injuries is much higher between 8:00 A. M. and 5:00 P.M. because of the greater number of workers in the plant during this period. Also, it is expected to be lower between 12 noon and 1:00 P.M. because of the half-hour for lunch. The broken line at noon until 1:00 P.M. shows the number of accidents multiplied by two to correct for half-hour idle time. This broken line curve is still considerably below the peaks which occur between ten and eleven in the morning and between 2:30 and 3:30 in the afternoon.

A couple of extra copies have been attached for your use as you see fit. These data may indicate the need for closer supervision between specific periods or the possibility that a smoke break planned for the peak periods might help to reduce accidents. It is recognized that specific interpretations of such data is difficult. I might add that we have found that similar curves are true for each day of the week, Monday through Friday, but the peaks are higher on Tuesday and Thursday. No explanation is offered since I do not know the reason. Thursdays are paydays? Maybe you have an explanation.

This is offered by way of information without any concrete idea as to whether it is helpful or not.

C. L. Gilmore

CLG:lt
Attachments



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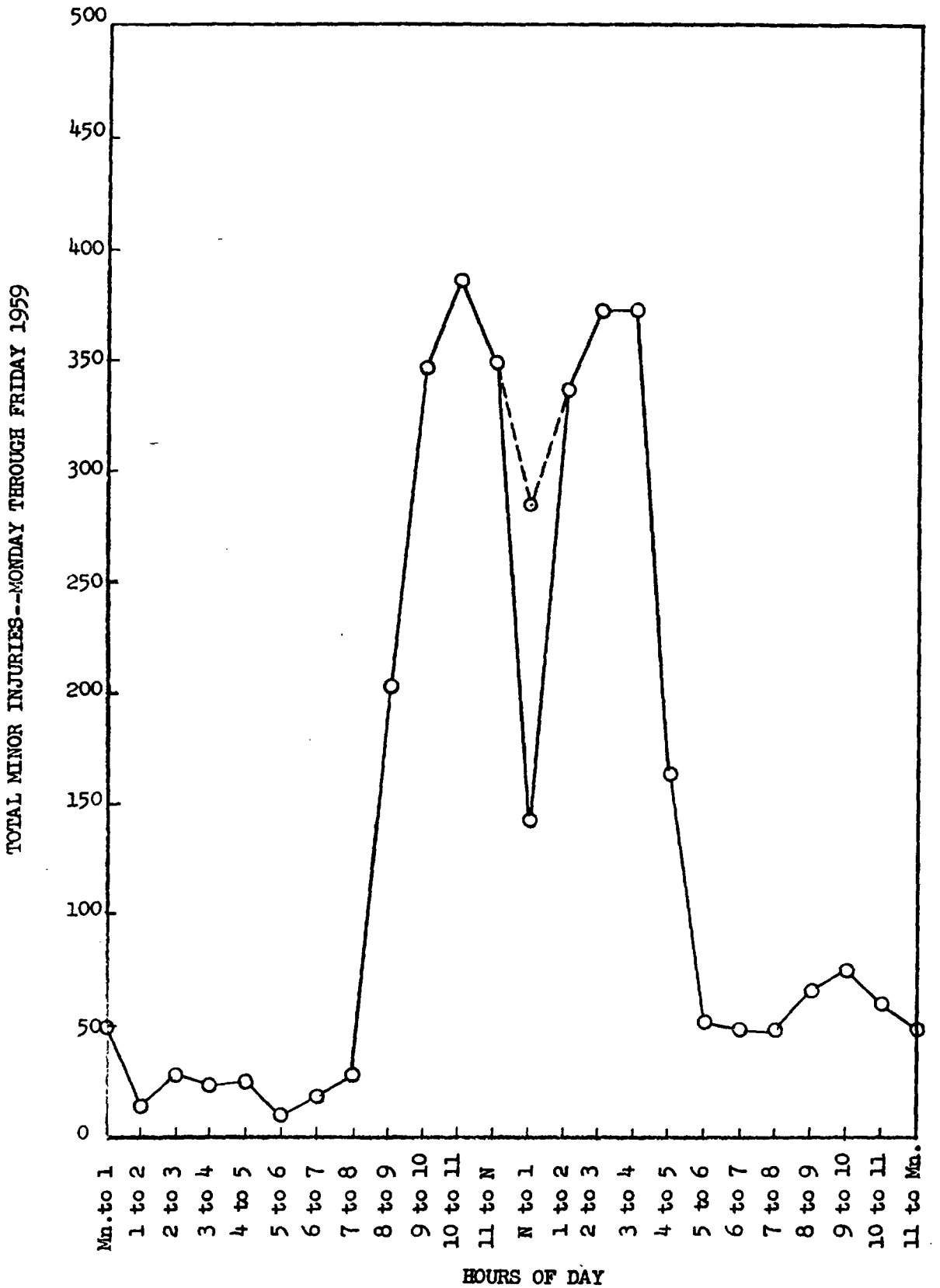

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