



Mr. E. A. Piersall
Grand Junction, Colorado

October 28, 1974

Messrs. R. J. Kronkhyte
F. H. Larrison
H. F. Reichard

Miscellaneous Notes on King City
Management Safety Audit

A. General

1. The plant agreed to re-examine the question of fire reserves in the plant water storage tank.
2. E. A. Piersall indicated he would send a noise sampler to King City so that further noise analysis work could be conducted.
3. Considerable progress on JSA's has been made except in the maintenance area.
4. It was presumed that there was a failure on the Southern Pacific rail line which would prevent trains from the main line being routed on to our siding, but exact details of this were unknown and should be checked out for the record.

B. Personal Contacts

Generally speaking, all the employees interviewed felt that the safety meetings were excellent, that management was responsive to suggestions for improved safety and that the employees had excellent familiarity with all safety procedures, such as lock out, hazard work area permits, etc.

Tony Gonzales felt that the main problem was slippery floors.

Joe Beirira felt that more movies would enhance the quality of the safety meetings.

Don Gamica also felt that slippery floors were a problem and made a positive suggestion which should be examined. He pointed out that water on the floor in the main plant area can easily flow under the door between the main area



Mr. E. A. Piersall

-2-

October 28, 1974

and the bagging room creating a very slippery, potentially dangerous condition in the bagging area. One way that this problem has been handled in the past is to make a dam with asbestos on the floor, which obviously defeats our house-keeping objectives. Garnica suggested that consideration be given to placing an appropriate barrier at the partition to prevent water from entering the bagging room. Garnica also indicated that he had given up smoking, partly as a result of safety instruction at the plant.

Frank de Leon also felt that the main hazard with his job was slippery floors. He indicated that he had recently been transferred to the bagging area and that the major source of his training was other operators rather than supervision.

Rod _____, the outside operator, felt that the bulk handling equipment was rather shaky and should be reinforced.

Red Bailey felt that slippery floors were the most serious problem in the plant and that he had made suggestions in the past as to additional railings in the filter press area where he previously worked.

Nick Lane had no specific comments other than the observation that safety was much better at the King City plant than the oil fields where he had previously worked.

C. Dust Sampling

In addition to the safety audit, conversations were held with Dr. Welsh and Paul McDaniel regarding the dust program at King City. Dr. Welsh requested that we conduct a mortality study on all King City employees with more than one year of company service by reviewing our employee records since the plant was put into operation and determining the cause of death of all deceased employees and further that we develop a program to maintain this information in the future. Dr. Welsh indicated that he would check with Prudential in California to determine if more morbidity data are available.

In order to obtain better individual dust sampling with a view toward being able to document each employee on a more quantitative basis in the future, it was agreed to define approximately seven representative jobs throughout the plant. One of these jobs would involve the baggers. Each month the bagging operator and three other representative jobs would be counted. Counting would be for sufficient duration (e.g. about four hours) to obtain a good representation of the



Mr. E. A. Piersall

-3-

October 28, 1974

dust count variation during the course of the day. This program would continue for six months, at which time the data would be analyzed to determine whether this represented a meaningful and adequate sampling program. During this period, baggers would be counted monthly and the other selected jobs would be counted in alternate months.

W. C. Thurber

WCT/es

10/14/74 When Kington, Lamm, Parnall, Reinhardt
Problem with @ L.C.

Stick them, taking up to 50 lbs, tight spaces.

Review of previous audit

Smoking not permitted in bagging area.
because of product quality and respirator
requirements.

Doing one per mo. ISIT since July, 1974.

Find out about switch on RR siding

Need more work on operator training

Send ~~some~~ more samples to King City

Study fire resume on the tanks

Mississauga

Shipping floors

Selling safety

Mat'l preparation for making - inner leaf

Respirators lead to inference

Tony Gonzalez

Shipping ~~Containers~~ Floors

Joe Beirao

power @ Safety Kinesis @ Safety meeting

Less crowded space

Dan Garrison - Game up smoking

Shipping

Barrier between door & bagging area

Boogie - Mr Plant

Frank deLeon

Shipping floors

Handwritten notes and scribbles at bottom left

Red Boulders

Shipping floors

Building on floors

Didn't like respirators

Handwritten note in a bracket: if you need better than O. Helle

Handwritten notes on the right side: to significant milestone from construction - from west to east

Revised
in lines

Datum 7 feet
Every month for 6 mos
(Counting 4 (beginning of Sept 3)
30 samples

Begin Oct. Jan
Nov. Feb.
Dec. Mar.

1974

Dust Sampling

Welsh, McDaniel, Wrentham,

McDaniel, Harrison, Wallingford, WCT, Richards.

Metropolitan has up to 18 years data on UCC employees
except California. Will check Prudential(?) in Calif.
For morbidity data.

↑ Welsh

Mortality study at U.C.
Track

All employees with more than 1 year
service. Plan to keep track in factories.
Determine whether living or dead & if dead
what cause?

Randa daughter @ 95% confidence
Exposure $\pm 50\%$, once per month at
each work place.

Conf control system reproducible.

Faulring Report to McDaniel??
Also to Pass.