Monsanto

FROM (NAME & LOCATION) James J. Roder - Chicago

DATE : 5/8/70

SUBJECT : JIFFY FRY, INC.
Crookston, Minnesota

REFERENCE

TO : J.R. Fallon - St. Louis

cc: J.S. Pullman - New York
R. Irwin - Houston
Jerry Davidson - L.A.

I called John Dow at Crookston today regarding the FRl system and apparently their problems are not nearly as serious as they try to make them.

The fryers are only making about 12,000 #/HR total instead of 20,000 #/HR but it isn't the fault of the fryer. The fryers could put out 20,000 #/HR but the sorters can't check them that fast. In addition to that they also have a problem with air changes in the plant. At the higher cooking rate the air becomes unbearable for the workers because of the cooking oil in the air ("like a fog").

One other reason they have some trouble reaching full output on the fryers is that the potato temperature coming from the blancher is too low. The fryer has an extra load because of this low temperature. The low temperature is caused by the coating of starch sticking to the heat exchange coi This we suspect is caused by the wide temperature differential between the FRl and the water temperature but it c ould be corrected by installing a recirculating pump in the blancher zone as I had recommended a couple months ago. The alternate to that idea was to make steam which would be sparged directly into the water in the blancher. This idea sounds like it will be dropped because of the cost (approx. $37,000).

The plant will be down in a couple weeks waiting for the Arizona potato supply to arrive. During that time they will repipe the fryer pumps to recirculate flow instead of using them as straight thru pumps.

John said they did not contemplate building a new plant at least for the next year but that Key Equipment had told them about 5 or 6 new plants should be built in the next year. They would not have Key build the next one as John didn't seem too pleased with their overall performance.

I offered to visit Crookston on my Minnesota trip next week but John said it wouldn't be necessary. The people to contact at Crookston are:

Gary Bridgeford - Plt. Engr.
Willie Dougherty - Plt. Supt.

J.J. Roder

JJR/saa

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