

**CARGILL
DOMESTIC SOYBEAN
PROCESSING**

Box 3428
Bloomington, IL 61702

September 4, 1985

United States Nuclear Regulatory Commission
Materials Licensing Section
Control # 79629
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Attention: Mike McCann

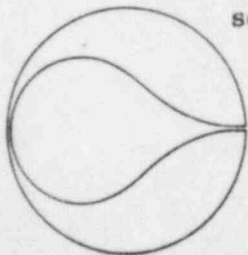
Dear Mike,

Enclosed is the information on the three (3) categories we discussed on September 4, 1985.

1. A sketch of each application is enclosed. The area within 3 to 5 feet of each source holder is air space.
2. No corrosive type atmosphere will be present around source holder. The air temperature around the source holder will range from 70°F to 100°F, depending upon the season of the year. The process vessel temperature in application #1 is 140°F and in application #2, the process vessel temperature is 180°F. The manufacturer has indicated there is no need for a cooling system on the gage source.
3. Signs on or near the vessel entry doors indicating a radiation area will be posted. A source lockout procedure will also be posted with the radiation sign. All persons who remove doors on the process vessels or enter the vessels must first check to see that the source shutter is locked in the closed position. The lockout procedure will be reviewed on an annual basis with all employees.

Procedure for maintenance or cleaning of vessels with nuclear level gages:

1. Close the source shutter. (Location and operation of source shutter to be discussed with each employee. Each employee will be required to close and lock the shutter after the unit is installed.) The personnel performing the maintenance or cleaning of the vessel will be responsible for locking the source shutter in the closed position. Anyone else entering the vessel must first check to see that the source shutter is locked in the closed position.



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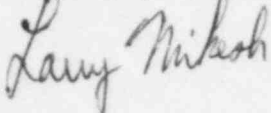
REGION III

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2. After the source shutter is locked in the closed position, doors can be removed from the vessels and service work performed.
3. If the service work cannot be completed by the same people who begin the work, the key for the lock should be given to a supervisor who can unlock the shutter and put the gage back into service when the work is completed.
4. The source shutter can be unlocked and opened only after the access doors on the vessels have been closed.

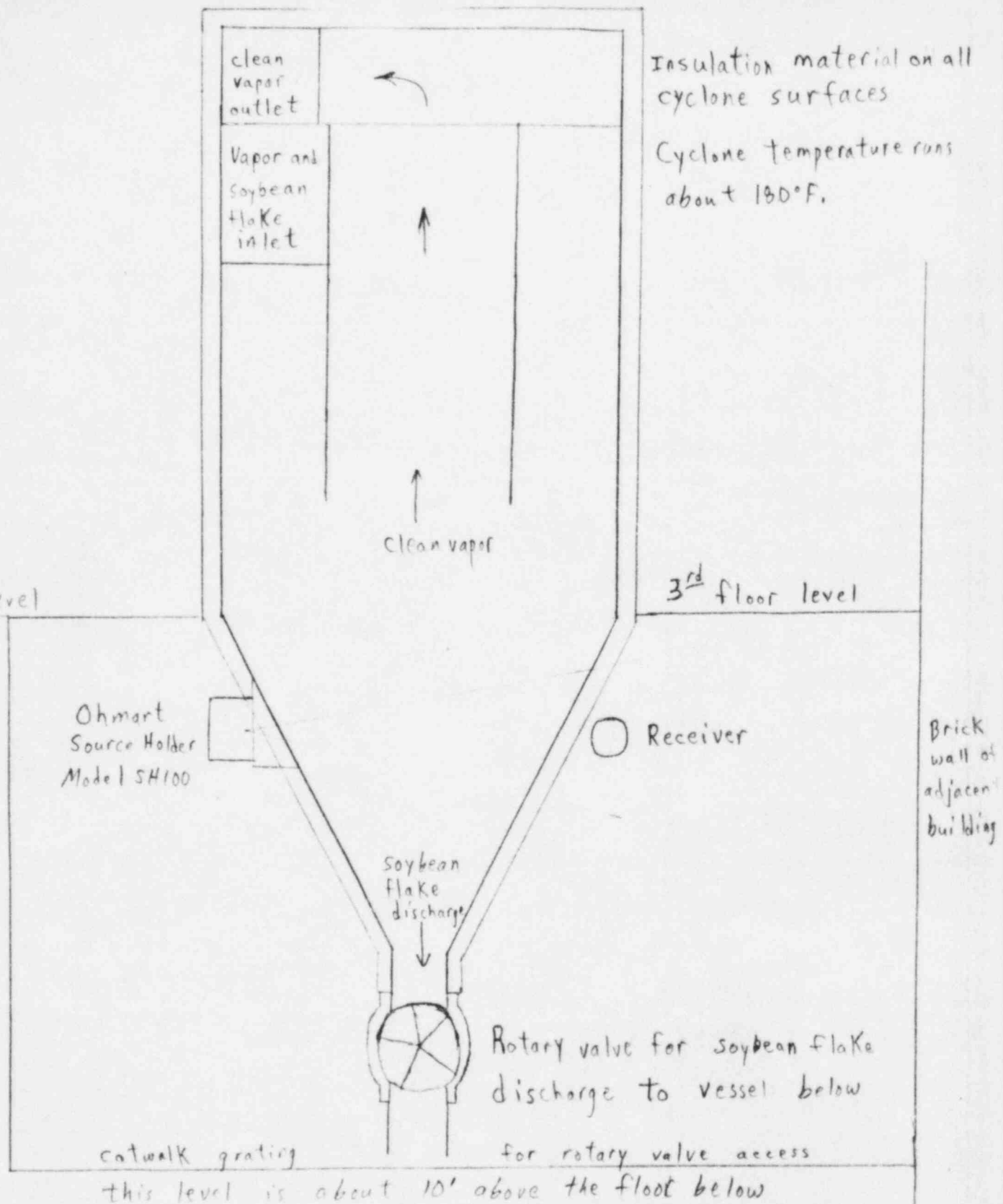
If you need any further information, please call.

Sincerely yours,

A handwritten signature in cursive script that reads "Larry Mikesh".

Larry Mikesh

LM/pk



Application #2
FDS Loop Cyclone
(cross sectional view)

Soybean flakes containing hexane solvent enter hopper as a batch when the compartment in the above vessel is emptied.

Extractor Bottom

Extractor Bottom

Receiver

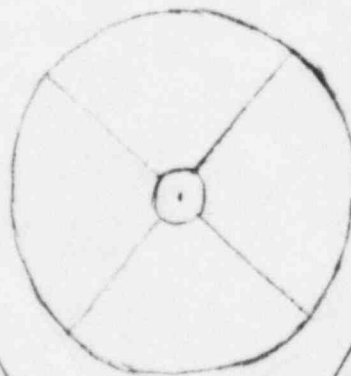


Normal flake level when compartment is emptied from above vessel.

Ohmart Source Holder Model SH 100

Source will be located about 10' above 4th floor level.

Flake Agitator



Discharge conveyor

Application #1
Extractor Discharge Hopper
(Cross-Sectional View)

CONVERSATION RECORD

TIME

10:45am

DATE

30 August 1985

TYPE

☐ VISIT

☐ CONFERENCE

☐ TELEPHONE

☐ INCOMING

☐ OUTGOING

ROUTING

NAME/SYMBOL INT

Location of Visit/Conference:

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU

Ed Fowler

ORGANIZATION (Office, dept., bureau, etc.)

Cargill, Inc
Bloomington, Ill.

TELEPHONE NO.

(309) 827
6025

SUBJECT

C/N 79629

SUMMARY

- 1) Need sketch of proposed location of each gauge, plus indication of access to and control of
- 2) Describe environmental conditions to which gauge will be exposed, cooling system? if so need description of methods and procedures for detecting failure and procedures for coping with failure
- 3) Describe/submit lock-out procedure ~~add~~ Item 10.5 of RG

Copy of Jan 85, Non-Port Gas Guide sent licensee

- 4) Maintenance and Repair? Installation etc
COVER in application

Conveyed above to Larry Mykesh on 09/04/85 1:35pm

ACTION REQUIRED

Requested reply within 30 days in duplicate

NAME OF PERSON DOCUMENTING CONVERSATION

Mike Mc C

SIGNATURE

Mike Mc C

DATE

28/8/85

ACTION TAKEN

926-3492

SIGNATURE

TITLE

DATE