

**RADIATION
STERILIZERS
INCORPORATED**

June 22, 1989

Mr. Bruce S. Mallett, Chief
Nuclear Materials Safety Branch
U.S. Nuclear Regulatory Commission, Region III
799 Roosevelt Road
Glen Ellyn, IL 60137

Reference: License No. 04-19644-01

Dear Mr. Mallett:

The DOE schedule for shipment of the WESF capsules has already slipped by several months since the original schedule dated 3/3/89 was issued. I believe that it is reasonable to assume that there will be additional delays which could place the final removal of WESF capsules out until next June or later.

Our business projections indicate that we will be needing additional isotope possibly within the next six (6) months. I am requesting, therefore, that our license be amended at this time to increase the Cobalt-60 possession limit to 2.0 megacuries based upon the following justification.

The principle determinant of isotope possession is the capacity of the chiller in Westerville, OH. It has already been determined that the chiller can accommodate 1.2 megacuries of cobalt and 143 WESF capsules, equivalent to about 6 megacuries of cesium.

The total heat load of this combination is 42 KW, which is assumed to be the safe capacity of the chiller.

Currently, there are only 64 WESF capsules in the pool equivalent to about 2.8 megacuries of cesium. The Cobalt-60 equivalent of the 79 capsules, or 3.2 megacuries, removed is about one megacurie.

9006140319 900417
PDR F01A
GILBERT90-29 PDR

RECEIVED
JUL 24 1989
REGION III

CONTROL NO. 87662
JUL 14 1989

JUN 26 1989

June 22, 1989
Mr. B.S. Mallett
Page 2

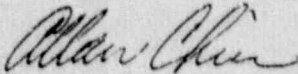
The current chiller capacity in terms of isotope is, therefore, 2.8 megacuries of Cesium-137 and 2.2 megacuries of Cobalt-60. The request to increase the Cobalt-60 possession limit to 2.0 megacuries still leaves a slight amount of excess chiller capacity. This limit should permit RSI to meet its projected business obligations until the rest of the WESF capsules are removed, assuming no undue further delays.

RSI will continue to work with DOE to accelerate the shipment of the remaining 64 WESF capsules from the Westerville facility.

This issue must certainly be addressed before the removal of the WESF capsules, and an early resolution will eliminate the possibility of a serious problem for RSI in meeting its obligations to its customers.

Your timely response to this request will be greatly appreciated.

Sincerely,



Allan Chin
Vice Chairman

AC/pw

cc: B. Fairand
J. Clouser
T. Robison
B. Walker

CONTROL NO. 8766 2

ROUTING AND TRANSMITTAL SLIP

Date

9/12/89

TO: (Name, office symbol, room number,
building, Agency/Post)

Initials

Date

1. Mike MacCann

SMW

9/14/89

2. Bruce MacCann

BSM

9/17/89

3. Don Serrano

DS

10/3/89

4. Sic. File (LAST) 04-19644-01

5. Chuck Noellie (check - we will
moving rpt.)

Action	File	Note and Return
Approval	For Clearance	Per Conversation
As Requested	For Correction	Prepare Reply
Circulate	For Your Information	See Me
Comment	Investigate	Signature
Coordination	Justify	

REMARKS

1 Tentative date of removal
for suspect WEST capsule
at Westerville ^{office} facility is
October 15, 1989.
NOV. 6-9, 1989

DO NOT use this form as a RECORD of approvals, concurrences, disposals,
clearances, and similar actions

FROM: (Name, org. symbol, Agency/Post)

Room No.—Bldg.

P. J. Redre

Phone No.

2619

5041-102

GPO : 1987 O - 196-409

OPTIONAL FORM 41 (Rev. 7-76)
Prescribed by GSA
FPMR (41 CFR) 101-11.306

F/84

CONVERSATION RECORD

TIME 2:50 P.M. DATE 9/12/89

TYPE

☐ VISIT

☐ CONFERENCE

☒ TELEPHONE

☒ INCOMING

☐ OUTGOING

ROUTING

NAME/SYMBOL INT

Location of Visit/Conference:

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

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

TELEPHONE NO.

Jim Robison

RST Westville
Buis

(614)
888-4077

SUBJECT

Removal 2 Capsule 1368 (Failed
clunk test)

SUMMARY

J. Robison called to update status of
shipment for the WEST capsule 1368 that
failed clunk test back in ~~late~~ June 20, 88.
Current date for removal of this capsule
is Oct 15, 1989. Westinghouse will be removing
2 capsules using GE ~~600~~ 600 cards on
Oct. 15. The 1368 capsule & 1503 capsule
(which was double poured at same time as
leader in reactor). Robison will continue to
update our office periodically and will follow-up
our telecon. with a letter.

ACTION REQUIRED

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

DATE

ACTION TAKEN

SIGNATURE

TITLE

DATE

90271-101

U.S. GPO: 1988-201-760/60190

(40231) CONVERSATION RECORD

OPTIONAL FORM 371 (12-78)
GSA GEN. REG. NO. 27

CONVERSATION RECORD

TIME 8:15A

DATE 9/21/89

TYPE

☐ VISIT

☐ CONFERENCE

☒ TELEPHONE

☒ INCOMING

☐ OUTGOING

Location of Visit/Conference:

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

Pat Vacca

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

MASS (H.Q.)

TELEPHONE NO.

492-0615

SUBJECT

Problems w/ cadus used at RSI

SUMMARY

to ship special form capsules from Decatur facility late last month. DOE shipped special form capsules from Decatur to Hartford. When cadus arrived at Hartford, they discovered 4 were inside the cadus. As result of this, DOE tested the cadus and determined as of 9/19/89 that 6 of 8 (total of 9 cadus) cadus failed their tests. (These cadus have Certificates of Compliance.) DOE is sending RSI a letter requiring them to fix the failed cadus ASAP. Chuck Macdonald (Traxop Manager) has been talking to DOE about the issue & is willing to work w/ them. DOE is Supper & required to file report 9/21/89. Vacca wanted us to be aware of situation & to let Winterville know (at our next opportunity) that the failed cadus cannot be used to ship anything special form out of their facility until the cadus are repaired, nor can cadus be loaned to any other licensed for use.

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

P. J. Albre

DATE

9/22/89

ACTION TAKEN

ATURE

TITLE

DATE

F/85

16148884223

11/08/1989 12:2 RSI-WESTERVILLE

16148884223 P.01

J. Tim Robison
General Manager

TELECOPY COVER PAGE

Radiation Sterilizers, Inc.
305 Enterprise Drive
Westerville, Ohio 43081-8827
Telephone 614-888-4077
Fax 614/888-4223

TO:

PATTY PERKE

COMPANY:

NRC. Room III

DATE:

11-8-89

TOTAL NUMBER OF PAGES, INCLUDING COVER PAGE:

1

COMMENTS:

Patty,

The two capsules of CS-137 were removed from the storage pool, placed in overpack and loaded into the HE 600 cask this morning. There were no problems encountered and the truck will be leaving for Washington, DC flight by 14:00 hrs EST. The serial # of the two capsules are 1368 and 1503. As you remember the 1368 failed the chunk test and 1503 was poured at the same time as the one in reactor that failed. If you have any questions please call me.

6/86