

**From:** Elizabeth Ullrich  
**To:** TWD2.TWP8.BWS1  
**Date:** 9/26/96 1:01pm  
**Subject:** Victor Bortolot TAR

BS on  
wed  
PB close  
How you  
propose  
in addition  
Rose?

Brian,

As we discussed this morning, I reviewed the 1986 renewal package in light of the December 11, 1995 letter from Victor Bortolot in which he requests that we ignore his renewal application of March 1992, and renew the license on the basis of the previous application (1986) with no changes in use or applications of byproduct material. The only significant difference appears to be that he apparently does not, then, intend to market a new device?

The questions listed in the April 26, 1994 TAR are still applicable; in summary:

1. Are his devices "irradiators" or "measurement instruments"?
2. Which of his devices that are distributed, if any, require SSD review?
3. Is a device review needed IF his activities are restricted to using his licensed sources in the devices of his design?

If it helps you, I have copied the 1986 license application and will send it to you by internal mail.

Betsy

CC: jdk, TWD2.TWP8.SLB

1. I say irradiator
2. depends on licensee's license type SL, Broad, restrictions
3. depends on his license →

9701310158 920612  
PDR RC \* PDR  
SSD

## MATERIAL LICENSE PROGRAM CODES

JUNE 1996

PROGRAM CODE	TITLE
01100	ACADEMIC TYPE A BROAD
01110	ACADEMIC TYPE B BROAD
01120	ACADEMIC TYPE C BROAD
02110	MEDICAL INSTITUTION BROAD
02120	MEDICAL INSTITUTION - QMP REQUIRED
02121	MEDICAL INSTITUTION - QMP NOT REQUIRED
02200	MEDICAL PRIVATE PRACTICE - QMP REQUIRED
02201	MEDICAL PRIVATE PRACTICE - QMP NOT REQUIRED
02210	EYE APPLICATORS STRONTIUM-90
02220	MOBILE NUCLEAR MEDICINE SERVICE
02230	HIGH DOSE RATE REMOTE AFTERLOADER
02231	MOBILE HIGH DOSE RATE REMOTE AFTERLOADER
02240	MOBILE THERAPY
02300	TELE THERAPY
02400	VETERINARY NON-HUMAN
02410	IN-VITRO TESTING LABORATORIES
02500	NUCLEAR PHARMACIES
02511	MEDICAL PRODUCT DISTRIBUTION - 32.72 - PREPARED RADIOPHARMACEUTICALS
02513	MEDICAL PRODUCT DISTRIBUTION - 32.74 - SOURCES AND DEVICES
03110	WELL LOGGING BYPRODUCT AND/OR SNM TRACER AND SEALED SOURCES
03111	WELL LOGGING BYPRODUCT AND/OR SNM SEALED SOURCES ONLY
03112	WELL LOGGING BYPRODUCT ONLY-TRACERS ONLY
03113	FIELD FLOODING STUDIES
03120	MEASURING SYSTEMS FIXED GAUGES
03121	MEASURING SYSTEMS PORTABLE GAUGES
03122	MEASURING SYSTEMS ANALYTICAL INSTRUMENTS
03123	MEASURING SYSTEMS GAS CHROMATOGRAPHS
03124	MEASURING SYSTEMS OTHER
03211	MANUFACTURING AND DISTRIBUTION TYPE A BROAD
03212	MANUFACTURING AND DISTRIBUTION TYPE B BROAD
03213	MANUFACTURING AND DISTRIBUTION TYPE C BROAD
03214	MANUFACTURING AND DISTRIBUTION OTHER
03218	NUCLEAR LAUNDRY
03219	DECONTAMINATION SERVICES
03220	LEAK TEST SERVICE ONLY
03221	INSTRUMENT CALIBRATION SERVICE ONLY - SOURCE LESS THAN 100 CURIES
03222	INSTRUMENT CALIBRATION SERVICE ONLY - SOURCE GREATER THAN 100 CURIES
03225	OTHER SERVICES
03231	WASTE DISPOSAL (BURIAL)
03232	WASTE DISPOSAL SERVICE PREPACKAGED ONLY
03233	WASTE DISPOSAL SERVICE INCINERATION
03234	WASTE DISPOSAL SERVICE PROCESSING AND/OR REPACKAGING
03235	INCINERATION - NONCOMMERCIAL (SECONDARY CODE)
03240	GENERAL LICENSE DISTRIBUTION - 32.51
03241	GENERAL LICENSE DISTRIBUTION - 32.53
03242	GENERAL LICENSE DISTRIBUTION - 32.57
03243	GENERAL LICENSE DISTRIBUTION - 32.61
03244	GENERAL LICENSE DISTRIBUTION - 32.71
03250	EXEMPT DISTRIBUTION - 32.11 - EXEMPT CONCENTRATIONS AND ITEMS

## MATERIAL LICENSE PROGRAM CODES

JUNE 1996

PROGRAM CODE	TITLE
03251	EXEMPT DISTRIBUTION - 32.14 - CERTAIN ITEMS
03252	EXEMPT DISTRIBUTION - 32.17 - RESINS
03253	EXEMPT DISTRIBUTION - 32.18 - SMALL QUANTITIES
03254	EXEMPT DISTRIBUTION - 32.22 - SELF LUMINOUS PRODUCTS
03255	EXEMPT DISTRIBUTION - 32.26 - SMOKE DETECTORS
03310	INDUSTRIAL RADIOGRAPHY FIXED LOCATION
03320	INDUSTRIAL RADIOGRAPHY TEMPORARY JOB SITES
03510	IRRADIATORS SELF SHIELDED LESS THAN 10000 CURIES
03511	IRRADIATORS OTHER LESS THAN 10000 CURIES
03520	IRRADIATORS SELF SHIELDED GREATER THAN 10000 CURIES
03521	IRRADIATORS OTHER GREATER THAN 10000 CURIES
03610	RESEARCH AND DEVELOPMENT TYPE A BROAD
03611	RESEARCH AND DEVELOPMENT TYPE B BROAD
03612	RESEARCH AND DEVELOPMENT TYPE C BROAD
03613	R & D BROAD - MULTISITE-MULTIREGIONAL
03620	RESEARCH AND DEVELOPMENT OTHER
03710	CIVIL DEFENSE
03800	BYPRODUCT MATERIAL POSSESSION ONLY
03900	DECOMMISSIONING OF BYPRODUCT MATERIAL FACILITIES
06100	LOW-LEVEL WASTE STORAGE AT REACTOR SITES
06101	LOW-LEVEL WASTE STORAGE - OTHER (SECONDARY CODE)
11100	MILLS
11200	SOURCE MATERIAL OTHER LESS THAN 150 KILOGRAMS
11210	SOURCE MATERIAL SHIELDING
11220	SOURCE MATERIAL MILITARY MUNITION - INDOOR TESTING
11221	SOURCE MATERIAL MILITARY MUNITION - OUTDOOR TESTING
11230	SOURCE MATERIAL GENERAL LICENSE DISTRIBUTION - 40.34
11300	SOURCE MATERIAL OTHER GREATER THAN 150 KILOGRAMS
11400	URANIUM HEXAFLUORIDE (UF6) PRODUCTION PLANTS
11500	SOLUTION MINING (R & D AND COMMERCIAL FACILITIES)
11600	HEAP LEACH, ORE BUYING STATIONS AND BYPRODUCT RECOVERY
11700	RARE EARTH EXTRACTION AND PROCESSING
11800	SOURCE MATERIAL POSSESSION ONLY
11900	DECOMMISSIONING OF SOURCE MATERIAL FACILITIES
21130	HOT CELL OPERATIONS
21135	DECOMMISSIONING OF ADVANCED FUEL R&D AND PILOT PLANTS
21200	URANIUM ENRICHMENT PLANTS
21210	URANIUM FUEL FABRICATION PLANTS
21215	DECOMMISSIONING OF URANIUM FUEL FABRICATION PLANTS
21240	URANIUM FUEL R&D AND PILOT PLANTS
21310	CRITICAL MASS MATERIAL - UNIVERSITIES
21320	CRITICAL MASS MATERIAL - OTHER THAN UNIVERSITIES
21325	DECOMMISSIONING OF CRITICAL MASS - OTHER THAN FUEL FABRICATION
22110	SNM PLUTONIUM - UNSEALED LESS THAN A CRITICAL MASS
22111	SNM U-235 AND/OR U-233 UNSEALED LESS THAN A CRITICAL MASS
22120	SNM PLUTONIUM - NEUTRON SOURCES LESS THAN 200 GRAMS
22130	POWER SOURCES WITH BYPRODUCT AND/OR SPECIAL NUCLEAR MATERIAL
22140	SNM PLUTONIUM - SEALED SOURCES IN DEVICES
22150	SNM PLUTONIUM - SEALED SOURCES LESS THAN A CRITICAL MASS
22151	SNM U-235 AND/OR U-233 SEALED SOURCES LESS THAN A CRITICAL MASS
22160	PACEMAKER BYPRODUCT AND/OR SNM - MEDICAL INSTITUTION
22161	PACEMAKER BYPRODUCT AND/OR SNM - INDIVIDUAL
22162	PACEMAKER BYPRODUCT AND/OR SNM - MANUFACTURING AND DISTRIBUTION
22170	SNM GENERAL LICENSE DISTRIBUTION (70.39)
22200	DECOMMISSIONING OF OTHER SNM FACILITIES - LESS THAN CRITICAL MASS
23100	FRESH FUEL STORAGE AT REACTOR SITES
23200	INTERIM SPENT FUEL STORAGE
23300	SNM POSSESSION ONLY - OTHER THAN REACTOR FUEL
25110	TRANSPORT-PRIVATE CARRIAGE



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

NOTE TO: Document Control Desk  
Mailstop 05-F-22

FROM: *KR*  
Kimberly Randall/Michele Burgess  
Sealed Source Safety Section

DATE: JAN 05 1995

ASSIGN NO. SSD- 94-25

RIDS CODE: (circle the appropriate code)

- NE01 - SSD Correspondence
- NEX3 - SSD Correspondence (PROPRIETARY)
- NE02 - General SSD Correspondence
- NEX4 - General License Correspondence (PROPRIETARY)
- NE03 - General License Correspondence

REGISTRATION NO./LICENSE NO. \_\_\_\_\_

COMPANY: Daybreak Nuclear and Medical Systems, Inc.

ACTION: (FOR CENTRAL FILES USE ONLY)

New registration Certificate  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

060029

# REQUEST FOR A SEALED SOURCE OR DEVICE EVALUATION

Rec'd 4/12/92

Instructions: Send this request AND a copy of all related letters/applications and drawings to:  
The Sealed Source Safety Section, ATTN: Steven Baggett, OWM Mail Stop 6-H-3.  
Change the License Tracking System milestone to 19 and assign to reviewer code I-5.  
NOTE: Retain a copy of this request with the application and background files.

REQUESTOR: BETSY ULLICH  
PHONE NO.: 610-337-5040  
APPLICANT'S NAME: VICTOR J. BORDLOI PH.D.  
MAIL CONTROL NO.(S): 116381

REGION: I II III IV V, HQ or LFDCB  
DATE: APR 26 1992  
LETTER/APPLICATION DATE: 3/20/92  
LICENSE NO.(S): 06-17253-01

TYPE OF ACTION REQUESTED (CHECK APPROPRIATE ACTION(S))

( ) SOURCE REVIEW (X) DEVICE REVIEW ( ) CUSTOM REVIEW  
( ) AMENDMENT OF REGISTRATION SHEET NO.(S)

COMMENTS: Please see attached

## FOR SSSS USE ONLY

DATE RECEIVED: \_\_\_\_\_ ASSIGNED NO.: 94-15 DATE TO FEES: \_\_\_\_\_  
MODEL NUMBERS: \_\_\_\_\_  
REVIEWER: \_\_\_\_\_ DATE ASSIGNED: \_\_\_\_\_

TYPE OF ACTION (INDICATE NUMBER OF EACH TYPE)

- ( ) COMMERCIAL DISTRIBUTION (FORMAL)  
SOURCE (9C) DEVICE (9A)  
NEW NEW  
AMENDMENT AMENDMENT
- ( ) USE BY A SINGLE APPLICANT (CUSTOM)  
SOURCE (9D) DEVICE (9B)  
NEW NEW  
AMENDMENT AMENDMENT
- ( ) NO SAFETY EVALUATION REQUIRED - NO FEES REQUIRED  
( ) LICENSING ACTION REQUIRED IS KNOWN: YES / NO  
( ) OTHER: \_\_\_\_\_

TOTAL NUMBER OF REVIEWS, HOURS: \_\_\_\_\_ NOTES: \_\_\_\_\_  
NUMBER OF DEFICIENCY LETTERS: \_\_\_\_\_  
NUMBER OF DEFICIENCY CALLS: \_\_\_\_\_

## FOR BILLING PURPOSES ONLY

- ( ) NAME CHANGE ( ) ADDRESS CHANGE ( ) NEW REGISTRATION - ADD TO BILLING  
( ) PRODUCT INACTIVE - REMOVE FROM BILLING

## FOR FEE USE ONLY

TYPE OF FEE: \_\_\_\_\_ FEE CATEGORY: 9A 9B 9C 9D ( ) MATANN UPDATED  
AMOUNT RECEIVED: \_\_\_\_\_ CHECK NUMBER: \_\_\_\_\_ AS REQUIRED  
DATE OF CHECK: \_\_\_\_\_ LOG: \_\_\_\_\_ ( ) MATSYS UPDATED  
APPROVED BY: \_\_\_\_\_ DATE RETURN: \_\_\_\_\_ AS REQUIRED  
DATE: \_\_\_\_\_

COMMENTS: \_\_\_\_\_