

40-8058

FORM NRC-2
(7-77)
10 CFR 40

Approved by GAO
R0203

U.S. NUCLEAR REGULATORY COMMISSION

APPLICATION FOR SOURCE MATERIAL LICENSE

Pursuant to the regulations in Title 10, Code of Federal Regulations, Chapter 1, Part 40, application is hereby made for a license to receive, possess, use, transfer, deliver or import into the United States, source material for the activity or activities described.

PDR

Return to
D. Cramer

396-55

1. (Check one) <input type="checkbox"/> (a) New license <input type="checkbox"/> (b) Amendment to License No. _____ <input checked="" type="checkbox"/> (c) Renewal of License No. <u>SUC-1047</u> <input type="checkbox"/> (d) Previous License No. _____		2. NAME OF APPLICANT <u>PORTSMOUTH TERMINALS, INC.</u>	
		3. PRINCIPAL BUSINESS ADDRESS <u>PORTSMOUTH MARINE TERMINAL, P.O. BOX 7098</u> <u>2000 SEABOARD AVE., PORTSMOUTH, VA 23707</u>	
4. STATE THE ADDRESS(ES) AT WHICH SOURCE MATERIAL WILL BE POSSESSED OR USED <u>2000 SEABOARD AVENUE, PORTSMOUTH, VA.</u>			
5. NAME OF PERSON TO BE CONTACTED CONCERNING THIS APPLICATION <u>MR. ROY C. BOWERS, TERMINAL MANAGER</u>		6. TELEPHONE NO. OF INDIVIDUAL NAMED IN ITEM 5 <u>804-397-7081</u>	
7. DESCRIBE PURPOSE FOR WHICH SOURCE MATERIAL WILL BE USED <u>STORAGE AND TRANS-SHIPMENT</u>			
8. STATE THE TYPE OR TYPES, CHEMICAL FORM OR FORMS, AND QUANTITIES OF SOURCE MATERIAL YOU PROPOSE TO RECEIVE, POSSESS, USE, OR TRANSFER UNDER THE LICENSE			
(a) TYPE	(b) CHEMICAL FORM	(c) PHYSICAL FORM (Including % U or Th.)	(d) MAXIMUM AMOUNT AT ANY ONE TIME (kilograms)
NATURAL URANIUM	URANIUM HEXAFLORIDE		100,000 KG
URANIUM DEPLETED IN THE U-235 ISOTOPE			
THORIUM (ISOTOPE)			
(e) MAXIMUM TOTAL QUANTITY OF SOURCE MATERIAL YOU WILL HAVE ON HAND AT ANY TIME (kilograms) <u>100,000 KG</u>			
9. DESCRIBE THE CHEMICAL, PHYSICAL, METALLURGICAL, OR NUCLEAR PROCESS OR PROCESSES IN WHICH THE SOURCE MATERIAL WILL BE USED, INDICATING THE MAXIMUM AMOUNT OF SOURCE MATERIAL INVOLVED IN EACH PROCESS AT ANY ONE TIME AND PROVIDING A THOROUGH EVALUATION OF THE POTENTIAL RADIATION HAZARDS ASSOCIATED WITH EACH STEP OF THOSE PROCESSES. <u>N.A.</u>			
10. LIST THE NAMES AND ATTACH A RESUME OF THE TECHNICAL QUALIFICATIONS INCLUDING TRAINING AND EXPERIENCE OF APPLICANT'S SUPERVISORY PERSONNEL AND THE PERSON RESPONSIBLE FOR THE RADIATION SAFETY PROGRAM (OR OF APPLICANT IF AN INDIVIDUAL). <u>N.A.</u>			
11. DESCRIBE THE EQUIPMENT AND FACILITIES WHICH WILL BE USED TO PROTECT HEALTH AND MINIMIZE DANGER TO LIFE OR PROPERTY AND RELATE THE USE OF THE EQUIPMENT AND FACILITIES TO THE OPERATIONS LISTED IN ITEM 9. INCLUDE: (a) RADIATION DETECTION AND RELATED INSTRUMENTS (including film badge dosimeters, counters, sampling, and other survey equipment as appropriate. The description of radiation detection instruments should include the instrument characteristics, type of radiation detected, window thickness, and the range(s) of each instrument). <u>N.A.</u>			
<div style="text-align: center;"> <p>RECEIVED BY LFMB</p> <p>8/31/81</p> <p>Log. <u>Aug 16/81 Renewal</u></p> <p>By <u>Brown</u></p> <p>Orig To</p> <p>Action Compl. <u>8/5/81</u></p> </div>			
(b) METHOD, FREQUENCY, AND STANDARDS USED IN CALIBRATING INSTRUMENTS LISTED IN (a) ABOVE, INCLUDING AIR SAMPLING EQUIPMENT (for film badges, specify method of calibrating and processing, or name supplier). <u>N.A.</u>			

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11(c) VENTILATION EQUIPMENT WHICH WILL BE USED IN OPERATIONS WHICH PRODUCE DUST, FUMES, MISTS, OR GASES, INCLUDING PLAN VIEW SHOWING TYPE AND LOCATION OF HOOD AND FILTERS, MINIMUM VELOCITIES MAINTAINED AT HOOD OPENINGS AND PROCEDURES FOR TESTING SUCH EQUIPMENT.

SHIPMENT STORED OUTSIDE

12. DESCRIBE PROPOSED PROCEDURES TO PROTECT HEALTH AND MINIMIZE DANGER TO LIFE AND PROPERTY AND RELATE THESE PROCEDURES TO THE OPERATIONS LISTED IN ITEM 9. INCLUDE (a) SAFETY FEATURES AND PROCEDURES TO AVOID NONNUCLEAR ACCIDENTS, SUCH AS FIRE, EXPLOSION, ETC., IN SOURCE MATERIAL STORAGE AND PROCESSING AREAS.

STORED IN OUTSIDE SEGREGATED AREA. SEE ATTACHED SUPPLEMENT

(b) EMERGENCY PROCEDURES IN THE EVENT OF ACCIDENTS WHICH MIGHT INVOLVE SOURCE MATERIAL.

POLICE WILL EVACUATE AFFECTED AREA AND CALL IN FIRE AND CIVIL DEFENSE DEPARTMENTS. SEE ATTACHED SUPPLEMENT.

(c) DETAILED DESCRIPTION OF RADIATION SURVEY PROGRAM AND PROCEDURES

N.A.

13. WASTE PRODUCTS: If none will be generated, state "None" opposite (a), below. If waste products will be generated, check here ☐ and explain on a supplemental sheet:

- (a) Quantity and type of radioactive waste that will be generated. NONE
- (b) Detailed procedures for waste disposal.

14. IF PRODUCTS FOR DISTRIBUTION TO THE GENERAL PUBLIC UNDER AN EXEMPTION CONTAINED IN 10 CFR 40 ARE TO BE MANUFACTURED, USE A SUPPLEMENTAL SHEET TO FURNISH A DETAILED DESCRIPTION OF THE PRODUCT, INCLUDING:

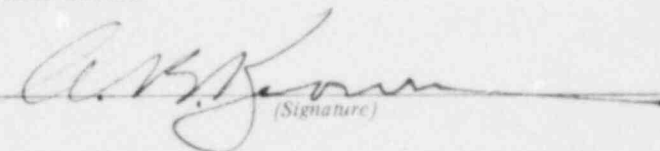
- (a) PERCENT SOURCE MATERIAL IN THE PRODUCT AND ITS LOCATION IN THE PRODUCT.
- (b) PHYSICAL DESCRIPTION OF THE PRODUCT INCLUDING CHARACTERISTICS, IF ANY, THAT WILL PREVENT INHALATION OR INGESTION OF SOURCE MATERIAL THAT MIGHT BE SEPARATED FROM THE PRODUCT.
- (c) BETA AND BETA PLUS GAMMA RADIATION LEVELS (Specify instrument used, date of calibration and calibration technique used) AT THE SURFACE OF THE PRODUCT AND AT 12 INCHES.
- (d) METHOD OF ASSURING THAT SOURCE MATERIAL CANNOT BE DISASSOCIATED FROM THE MANUFACTURED PRODUCT.

CERTIFICATE

(This item must be completed by applicant)

15. The applicant, and any official executing this certificate on behalf of the applicant named in Item 2, certify that this application is prepared in conformity with Title 10, Code of Federal Regulations, Part 40, and that all information contained herein, including any supplements attached hereto, is true and correct to the best of our knowledge and belief.

BY:


(Signature)

Dated JULY 30, 1981

C.E. KEOWN

(Print or type name)

PRESIDENT, PORTSMOUTH TERMINALS, INC.

(Title of certifying official authorized to act on behalf of the applicant)

WARNING: 18 U.S.C. Section 1001; Act of June 25, 1948; 62 Stat. 743; makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

Virginia Port Authority Police Portsmouth Armed Escort Instructions

1. One armed escort will be required for each spent fuel shipment.
2. Report to Communication Center upon arrival at duty post.
All calls to Communication Center are to be placed "collect" to 703-321-4047.
3. Report shipment status to Communication Center every two hours thereafter via telephone.
4. Report to Communication Center immediately prior to terminating duty post.
5. Be equipped with radio communication capability to request law enforcement assistance.
6. Maintain written log which is to be forwarded with invoice to:

Transnuclear, Inc.
One Skyline Place
5205 Leesburg Pike
Falls Church, VA 22041
7. If any incident occurs which requires an escort to summon help, escort should first stabilize the situation by utilization of law enforcement response forces available and then report situation to Communication Center.
8. Casks are always consigned for unloading from the vessel at Portsmouth Marine Terminal. Atlantic Container Line

personnel will store the casks in one of their sheds until scheduled for pickup by the motor carrier.

Prior to unloading of cask from vessel, vessel is to be kept under surveillance by escort. Once cask is unloaded, escort's attention is to be switched to cask. Cask is to remain under surveillance until it departs by motor carrier.

9. If shipment consists of more than one cask and it is impossible to keep with casks under surveillance during transfer from vessel to storage area, assistance should be requested if available. NRC regulations do not require continuous visual surveillance, thus it is permitted for one cask to be out of line of sight of escort for a few minutes during transfer.
10. The function of the escort is to prevent unauthorized removal of the cask from the vessel and keep the vessel under surveillance to reduce possibility of sabotage of the cask.
11. Escort is not required to be on board the vessel and may perform surveillance duties while stationed on the pier. If possible it is suggested that escort personally view the cask at the beginning of tour of duty to ensure cask is aboard vessel.