



DEFENSE LOGISTICS AGENCY
DIRECTORATE OF STOCKPILE MANAGEMENT
WASHINGTON, DC 20405



DLA-N

06 OCT 1988

U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406
ATTN: Ms. Betsy Ullrich

Dear Ms. Ullrich:

Enclosed for your review is the re-submission of our NRC license renewal application (1st submission dated 24 February 1986). Since our first submission in 1986, numerous organizational changes have been enacted and several of our radioactive commodities have been further analyzed, which has altered our inventory of source material (see enclosure 1). In order to assist you in your review of this application please carefully note the following changes:

The entire organization of the Office of National Defense Stockpile which was part of the General Services Administration has been transferred to the Defense Logistics Agency, Directorate of Stockpile Management.

Mr. Jerome T. Consiglio, Director Contracts Division has been removed from this license renewal. Mr. F. Kevin Reilly, Industrial Hygienist is now the DNS official responsible for our program. All questions regarding this submission and any further inquiries should be directed to him.

Analysis for uranium and thorium has been performed on our vanadium pentoxide at four locations. Results indicate the combined concentration of both these isotopes are below the level of .05% by weight, thus this material is not regulated under NRC standards and has been removed from our source material inventory (see enclosure 1).

Additional analysis has also been performed on the Baddelyite ore. Prior to this additional analysis only the uranium content was known. This second analysis showed both uranium and thorium thus our inventory totals (see enclosure 1) have increased and the changes are reflected in the totals as U & Th.

FEE EXEMPT

OFFICIAL RECORD COPY ML 10

126554
13 OCT 1988

Enclosure 5 contains three closeout surveys for the following locations:

- a. Griffis Air Force Base
Rome, NY

NOTE: this survey was included in
our 1986 license renewal
application

- b. Defense Construction Supply Center
Columbus, OH

- c. GSA Jeffersonville Depot
Jeffersonville, IN

NOTE: Items b & c are the result of the relocation of radioactive LSA Baddelyite ore from both locations. All the material and the underlying surface of each of the piles has been relocated to our DLA/DNSC New Haven Depot, New Haven, IN. Our source material inventory (enclosure 1) reflects this action.

As you discussed with Kevin Reilly of my staff we are very interested in expediting the release of the open area at the Defense Construction Supply Center (DCSC) that previously stored the Baddelyite ore. The Department of the Army plans on constructing a reserve center on this site and cannot formalize its plans for construction until the NRC releases the area for unrestricted use. Any assistance you could lend in obtaining this release prior to granting our license renewal would be appreciated. A complete copy of our closeout survey for this location will be forwarded to the NRC Office in Glen Ellen, IL to hopefully speed up the release process.

Should you have any questions or require additional information please contact Kevin Reilly of my staff at FTS 535-7145.

6 Encl.

Sincerely,



J. WAYNE KULIG
Executive Director

13 OCT 1988

APPLICATION FOR MATERIAL LICENSE

RESUBMISSION

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

FEDERAL AGENCIES FILE APPLICATIONS WITH:

U.S. NUCLEAR REGULATORY COMMISSION
DIVISION OF FUEL CYCLE AND MATERIAL SAFETY, NMSS
WASHINGTON, DC 20555

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS, IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND, MASSACHUSETTS, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION I
NUCLEAR MATERIAL SECTION B
631 PARK AVENUE
KING OF PRUSSIA, PA 19406

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION II
MATERIAL RADIATION PROTECTION SECTION
101 MARIETTA STREET, SUITE 2900
ATLANTA, GA 30323

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION III
MATERIALS LICENSING SECTION
799 ROOSEVELT ROAD
GLEN ELLYN, IL 60137

ARKANSAS, COLORADO, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH, OR WYOMING, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
MATERIAL RADIATION PROTECTION SECTION
611 RYAN PLAZA DRIVE, SUITE 1000
ARLINGTON, TX 76011

ALASKA, ARIZONA, CALIFORNIA, HAWAII, NEVADA, OREGON, WASHINGTON, AND U.S. TERRITORIES AND POSSESSIONS IN THE PACIFIC, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION V
MATERIAL RADIATION PROTECTION SECTION
1450 MARIA LANE, SUITE 210
WALNUT CREEK, CA 94596

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTION.

1. THIS IS AN APPLICATION FOR (Check appropriate item)

- A. NEW LICENSE
- B. AMENDMENT TO LICENSE NUMBER _____
- C. RENEWAL OF LICENSE NUMBER STC 133
- RESUBMISSION -

2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zip Code)

DEFENSE LOGISTICS AGENCY
DEFENSE NATIONAL STOCKPILE
18th & F Street, NW
WASHINGTON, DC 20405

3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED.

SEE ENCLOSURE 1

8907310579 8B1007
REG1 LIC40
STC-003 PDR

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

F. KEVIN REILLY, INDUSTRIAL HYGIENIST

TELEPHONE NUMBER

202/535-7145

SUBMIT ITEMS 5 THROUGH 11 ON 8 1/2 x 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL

a. Element and mass number, b. chemical and/or physical form, and c. maximum amount which will be possessed at any one time

SEE ENCLOSURE 2

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

SAME AS PREVIOUS SUBMITTAL

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE.

SEE ENCLOSURE 3

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

SEE ENCLOSURE 4

9. FACILITIES AND EQUIPMENT

SAME AS PREVIOUS SUBMITTAL EXCLUDING THE THREE CLOSE OUT SURVEYS

10. RADIATION SAFETY PROGRAM.

SAME AS PREVIOUS SUBMITTAL

11. WASTE MANAGEMENT

SAME AS PREVIOUS SUBMITTAL

12. LICENSEE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY n/a AMOUNT ENCLOSED \$ n/a

13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT

I, THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, AND 40 AND THAT ALL INFORMATION CONTAINED HEREIN, IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948, 62 STAT. 749 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.

SIGNATURE - CERTIFYING OFFICER

TYPED/PRINTED NAME

TITLE

DATE

F. KEVIN REILLY

INDUSTRIAL HYGIENIST

7/01/88

14. VOLUNTARY ECONOMIC DATA

a. ANNUAL RECEIPTS

< \$250K	\$1M - 2.5M
\$250K - 500K	\$3.5M - 7M
\$500K - 750K	\$7M - 10M
\$750K - 1M	> \$10M

b. NUMBER OF EMPLOYEES (Total for entire facility excluding outside contractors)

c. NUMBER OF BEDS

d. WOULD YOU BE WILLING TO FURNISH COST INFORMATION (Dollar and/or staff hours) ON THE ECONOMIC IMPACT OF CURRENT NRC REGULATIONS OR ANY FUTURE PROPOSED NRC REGULATIONS THAT MAY AFFECT YOU? (NRC regulations permit it to protect confidential commercial or financial - proprietary - information furnished to the agency in confidence)

YES

NO

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	COMMENTS	APPROVED BY
			FEE EXEMPT	
AMOUNT RECEIVED	CHECK NUMBER			DATE

C. GSA Jeffersonville Depot

Jeffersonville, Indiana

The second phase to complete the settlement Agreement, the relocation of ore from the GSA Jeffersonville Depot, Jeffersonville Indiana, to the DLA/DNSE New Haven depot, New Haven, Indiana, began on 31 August 1988, and concluded on 8 September 1988. 96 shipments of Baddelyite ore totalling 1060.43 SWT was relocated. Upon conclusion of the actual ore shipments we began removing the pile bases to remove any residual radioactive ore and contaminated soil. 16 shipments totalling 368.64 SWT of base materials was also transport to the DLA/DNSC New Haven facility. All shipments were concluded on 8 September 1988.

We again constructed a grid (see Jeffersonville sampling data attached) and obtained samples for submission to OARU for Analysis.

On 28 September 1988, we received the sampling results and as you will note all samples fall well within NCR requirements.

Upon your concurrence, we are requesting this area be removed from our license and opened for unrestricted use.

SAMPLING - JEFFERSONVILLE, INDIANA

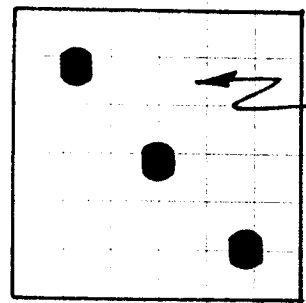
DATE SAMPLED 9/8/88

PILE 1 - 84' x 34' GRID SIZE 14' x 17'
 READINGS IN PLI/g TH232 & U238

SAMPLES ARE LABELLED WITH PILE # AND LETTER (I.E. 1A, 1B) THAT CORRESPONDS WITH GRIDS

2.0 A	3.9 B	1.6 C	5.4 D	1.0 E	3.5 F
1.9 G	2.2 H	3.8 I	2.5 J	1.0 K	5.8 L

14' (width of first column)
 17' (height of first row)



EACH ANALYZED SAMPLE IS A COMPOSITE OF (3) SAMPLE HOLES/GRID

AVERAGE READING - 19.5 MR/hr

BACKGROUND - 17.1 MR/hr

KUGELFISCHER METER (MR/hr)
 MODEL 5-0002
 S/N 308-687



Oak Ridge
Associated Universities Post Office Box 117
Oak Ridge, Tennessee 37831-0117

Manager, Environmental
Research and Training
Program

September 28, 1988

Mr. Kevin Riley
DLA/Defense National Stockpile
18th and F Streets NW, Room 5027
Washington, DC 20405

Subject: SOIL SAMPLE ANALYSES

Dear Mr. Riley:

The results of gamma spectrometry analyses on soil samples, received during the week of September 16, 1988, are attached. It appears to me that radionuclide levels in all of these samples are within the guidelines, typically followed by the Nuclear Regulatory Commission. If I can help further please call me at FTS 626-3305.

Sincerely,

Mervin E. Champion

for
James D. Berger, Manager
Radiological Site Assessment Program

JDB:ddd

*JEFFERSONVILLE, INDIANA
- SAMPLING -*

TABLE 1
 RADIONUCLIDE CONCENTRATIONS
 IN SOIL SAMPLES RECEIVED
 FROM THE DEFENSE NATIONAL STOCKPILE

Sample ID	Radionuclide Concentrations (pCi/g)		
	Th-232	U-238	Ra-226
<u>File 1</u>			
A	1.3 ± 0.2 ^a	<0.7	2.0 ± 0.2
B	1.0 ± 0.2	2.9 ± 0.3	2.5 ± 0.2
C	1.0 ± 0.2	<0.6	1.5 ± 0.1
D	2.6 ± 0.2	2.8 ± 0.5	2.4 ± 0.1
E	<0.3	<0.7	2.7 ± 0.2
F	1.6 ± 0.2	1.9 ± 0.3	1.7 ± 0.1
G	0.8 ± 0.2	1.1 ± 0.7	1.7 ± 0.1
H	<0.3	1.9 ± 0.3	2.5 ± 0.1
I	1.1 ± 0.2	2.7 ± 0.5	2.2 ± 0.1
J	1.2 ± 0.2	1.3 ± 0.5	2.2 ± 0.1
K	0.4 ± 0.2	<0.6	1.5 ± 0.1
L	1.6 ± 0.2	4.2 ± 0.6	2.9 ± 0.2