

EXPERT SYSTEM LICENSE EVALUATION  
EVALUATION REPORT FOR LICENSE 31-00076-06

--Type and form of materials licensed--

Material--	--Form--
ANY BYPRODUCT/1-83	Loose material
I-131	Loose material
P-32	Loose material
SR-90	Sealed
AU-198	Loose material
IR-192	Sealed
CO-60	Loose material
FE-59	Loose material
HG-197	Loose material
TC-99M	Loose material
MO-99	Loose material
CO-60	Sealed

--For evaluation purposes, amounts of the following materials were obtained--

Material--	--Form--	--Amount--	--Unit--
ANY BYPRODUCT/1-83	LOOSE	0.0500000	CI
CO-60	LOOSE	0.0000500	CI

Rank of the license based on the loose materials licensed: 15  
Initial rank of the SEALED sources is: 0.00

DESCRIPTION OF SITE AT WHICH 31-00076-06 WAS USED

U S NAVAL HOSPITAL, RADIOISOTOPE LABORATORY

1. License included both sealed and loose materials
2. SEALED SOURCES OR SHIELDING ARE ADEQUATELY ACCOUNTED FOR by the disposition information
3. Use of 'any byproduct material' was authorized on this license for medical/ use. Estimated potential hazard of matl is being reduced.
4. There was at least one loose material on this license for which the amount remaining was reduced according to the length of the half-life
5. There was one identifiable site with this license.
6. Small likelihood that activity could have generated contamination. Rank=rank\*0.80

Reviewer's comments concerning potential CONTAMINATION

THE POSSIBILITY OF LONG HALF-LIFE ISOTOPES IS SMALL AS LATER LICENSES WERE ONLY FOR SHORT HAF-LIFE ISOTOPES. THEY WERE USED ALMOST EXCLUSIVELY WITH HUMANS.

7. There was some decon of facility or site at CLOSEOUT  
Rank=0.9\*rank
8. There was no evidence of releases to the environment.  
Rank not changed.
9. Information insufficient to judge frequency of turnover for operation  
Rank not changed
10. There was limited use of glove boxes, hoods,  
or protective clothing

c/9

11. Contaminated material was probably appropriately disposed of No change in rank
12. There was some documentation of materials disposition, but not complete. Rank=rank\*0.9
13. There was no information in file indicating burial or dumping by licensee. Rank not changed
14. Because the rank of the license was below 20 at this point, a closeout survey was not necessarily warranted.
15. There was NOT an NRC FINAL INSPECTION of the facility. Rank not changed.

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CATEGORY FOR POTENTIAL SITE CONTAMINATION:  
MODERATE PRIORITY-Category 1C

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The final SITE ranking for this license is: 9.8

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Category for sealed sources: SEALED SRCS ELIMINATED FROM CONSIDERATION

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Description of THE LICENSEE ACTIVITY AUTHORIZED by this license

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USED FOR MEDICAL DIAGNOSIS, THERAPY AND RESEARCH

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Reviewer's comments concerning license 31-00076-06

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The original license authorized, in addition to the isotopes listed, 1 curie of any Sr-90; however, a letter from the licensee in answer to AEC questions stated that no loose strontium-90 had been procured or possessed. It was thus not evaluated as part of the licensed materials.

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EXPERT SYSTEM EVALUATION WAS BASED ON THE  
INVENTORY RECORD IN JOB 0338, BOX 40

Docket 30-02612

Licensee: DEPARTMENT OF THE NAVY

Address: ST. ALBANS, NEW YORK

Zip: 11425

State of operation:

Disposition information present: CERTIFICATE

Text of certificate of disposition:

LONG HALF-LIFE MATERIAL DISPOSED OF THROUGH TELEDYNE CORP

Info on disposal: TELEDYNE CORP. LIC.#29-00055-14

Material was listed as disposed of by decay:

This license was listed as terminated on 12/13/73

Remarks: THIS LICENSE HAS AN 'A' AND 'B' FOLDER IN THIS BOX

JOB NUMBER: 0338      BOX NUMBER: 40

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