

December 3, 1969

Cecil R. Buchanan, Isotope Branch, DML, HQ

VETERANS ADMINISTRATION HOSPITAL, LOS ANGELES, CALIFORNIA
LICENSE NO. 4-181-4, RADIOACTIVE WASTE BURIAL

This concerns the material transmitted to this office by Memo Route Slip dated November 28, 1969, and our telephone conversation on December 2, 1969. We telephoned Mr. L. W. Wetterau, the Licensee's RSO, seeking specific information about radioactive waste buried on the property presently being considered for disposal. Mr. Wetterau provided all the requested information which is attached.

Certain additional information pertaining to the materials disposed may be of interest. This licensee does not make decay calculations prior to burial, so the reported quantities are somewhat higher than the actual quantities buried. Mr. Wetterau said that on a volume basis, 50% of the waste was animal carcasses, the remainder consisted of laboratory waste, glassware, planchets, paper and liquid scintillation counting vials. The last burial at this location was made on October 23, 1968. It should be noted that this licensee has buried only a fraction of the quantities permitted by Part 20.

A representative from this office will visit the licensee on December 12, 1969, during a routine inspection trip to the Los Angeles area. At that time we will obtain a copy of a map showing burial locations and a more detailed listing of waste disposed. This will be maintained in the Region V files. Let me know if you want a copy.

Original Signed by
H.E. Book

Herbert E. Book
Senior Radiation Specialist

CO:V:HSN

Enclosure:
Waste Burials Calculations

cc: CO:HQ

8204150336 820216
PDR FOIA
NELSON82-11 PDR

Attachment F

OFFICE	CO:V North:blh	CO:V Book				
SURNAME						
DATE	12/3/69	12/3/69				

VETERAN'S ADMINISTRATION HOSPITAL - LOS ANGELES
WASTE BURIALS - MILLICURIES

Isotopes Disposed During	1963	1964	1965	1966	1967	1968	Total Disposed	Isotopes	Half- life
³ H	434.796	150.728	36.911	104.431	58.271	80.665	865.802	³ H	12 Y.
¹⁴ C	3.375	2.307	9.380	11.326	7.232	10.814	44.434	¹⁴ C	5730 Y.
¹³¹ I	5.744	25.007	31.510	15.550	42.510	8.371	128.692	¹³¹ I	8 D
³⁶ Cl	.260	-0-	-0-	-0-	-0-	-0-	.260	³⁶ Cl	300,000 Y.
²⁰³ Hg	-0-	.400	.350	-0-	-0-	-0-	.750	²⁰³ Hg	46 D.
²⁴ Na	-0-	1.560	-0-	-0-	-0-	-0-	1.560	²⁴ Na	15 H.
⁵¹ Cr	.150	-0-	.320	.263	-0-	.125	.858	⁵¹ Cr	28 D.
¹²⁵ I	.350	-0-	.725	.020	-0-	11.045	12.140	¹²⁵ I	60 D.
³² P	-0-	-0-	.430	.260	-0-	-0-	.690	³² P	14 D.
⁹⁹ Mo	-0-	-0-	18.400	.050	-0-	3.000	21.400	⁹⁹ Mo	67 H.
⁶⁵ Zn	-0-	-0-	-0-	.050	-0-	-0-	.050	⁶⁵ Zn	245 D.
⁵⁹ Fe	-0-	-0-	-0-	.013	-0-	1.210	1.223	⁵⁹ Fe	45 D.
²² Na	-0-	-0-	.140	.225	-0-	.027	.392	²² Na	2.6 Y.
³⁵ S	-0-	-0-	-0-	-0-	1.200	1.200	2.400	³⁵ S	88 D
⁸⁵ Sr	-0-	-0-	-0-	-0-	.050	-0-	.050	⁸⁵ Sr	64 D
Lumped *	1.680	1.675	.585	.690	3.492	1.416	9.538	Lumped *	
							<u>1,090.239</u>		

* May include small quantities of any of the listed isotopes. Licensee has specific information.

Attachment + C

