

COPY

January 19, 1961

Mr. James E. Mason, Chief
Isotopes Branch
Division of Licensing & Regulations
U.S. Atomic Energy Commission
Washington 25, D.C.

Dear Mr. Mason:

A total of 948 containers of radioactive waste were dumped
in the ocean on January 14, 1961 at 32° 00' North Latitude
and 121° 30' West Longitude.

The radioactive material in these containers were as follows:

Cobalt 60	9146 mc
Antimony 124	1171 mc
Strontium 90	126 mc
Thulium 170	106 mc
Polonium 210	500 c
Iridium 192	125 mc
Cesium 137	1202.6 mc
Radium 226	404 mc
Thorium 232	907 lbs.
Iron 59	3 mc
Sulfur 35	.25 mc
Krypton 85	18000 mc
Carbon 14	111mc
MFP	121 C's.
Uranium 238	193 lbs.
Uranium 233	10 gm.
Silver 110	2 mc
Tantalum 182	1 mc
Iron 55	4 mc
Hydrogen 3	101 mc
Lead 210	2 c
Chlorine 36	5 c
Cesium 134	110 c

COPY

ANNEX-C

Mr. J. R. Mason
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This represents a total of approximately 29,996 millicuries of By-product material, 1100 pounds of source material, 10 grams of special nuclear material, and 4040 millicuries of radium.

A copy of the log of the tug George Garvin is attached.

Very truly yours,

J. D. Vaden
Health Physics Officer

JDV:SA
Enc.
cc: D. Smith, USAEC, S.F. Calif.
cc: Calif. State Health Dept.

COPY

GARVIN TOWBOAT AND BARGE COMPANY

LOG

227

TUG NAME D M ReataCREW ThomasDATE Jan 11th 1961RigginsCAPTAIN Resca beam

WEATHER _____

TIME

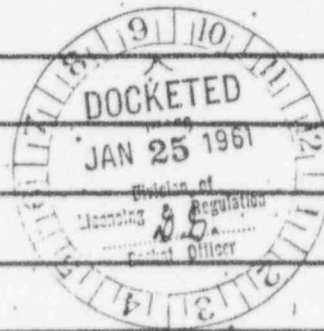
LOG

0400 Depart Pier 6 for Berth #62

0500 Four 15" fire extinguishers put aboard Barge #15

0530 Barge #15 shifted to Berth #62 to Berth #201

0600 Tug secured a Pier 6



JAN 20 1961

TIME DEPARTED _____

TIME DOCKED _____

NO. 27-7

DATE Jan 12 - 61

CAPTAIN Lewis

WEATHER Light and Breezy Very Warm

TIME	WEATHER
	meat called for 1200
1700	10 ft. 4 and
1730	2 by. Rain 10 with H-H with 10 ft
1835	100. B.W. light CC 242°
2245	a west end and 10 ft. many small
0000	on way to 32°N 121°30W with
	1-13-61 wind 2-4-6-8 west

0938 @ Port and Pan Niche. 8 miles off.
0000 wind approx 30-MPH. S.W. CC 245°
strong port drift
1-14-61

0930	Arrived on P.O. 32 N 21° 30' W
0945	Crew aboard #15 —
1030	Hugh aboard 15 with Pattery
1715	Cargo Discharged
1730	Crew of Barge used 30 M.H. Dry su t under way
0000	on way to Long Beach

POCKETED

JAN 25 196

TIME DEPARTED

TIME DOCKED.

LOG

TUG NAME Barge Service CREW Harmon
 DATE Aug 15-61 Thomahline
 CAPTAIN Harmon W. Ross
 WEATHER 2-5 MPH NW

TIME	LOG
8:00	on way to Long Beach
8:30	arrived San Pedro
8:30	unhooked #12
8:30	by 10:00 high #12 - wind is 10-15 knots
8:30	on way to Long Beach
8:30	C San Pedro Port closed with
6:45	at San Pedro Port closed with
7:10	arrived 7:00 AM shift 4-2
9:00	Tide off #12 - see #12
9:00	Tide up gear from #12 to Long
9:00	gear at yard
9:00	of Long Beach -

TIME DEPARTED

TIME DOCKED