



United States Department of the Interior

GEOLOGICAL SURVEY

Water Resources Division M/S 65
345 Middlefield Road
Menlo Park, California 94025
(415) 323-8111 X2027

84 APR 20 P2:25
16 April 1984

John W.H. Hickey
Materials Licensing Branch
Division Fuel Cycle and Material Safety
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Hickey:

We request that materials License 04-06674-07 be amended to include Strontium-85 as a by-product material approved for use in laboratory experiments. The subject license should be amended as follows:

| <u>6. By-product, etc.</u> | <u>7. Form</u> | <u>8. Max. amount</u> |
|----------------------------|----------------|-----------------------|
| Strontium-85 | Any | 10 millicuries |

The by-product material will be employed in batch laboratory experiments to determine a distribution of Sr-85 between water and solid materials. The normal handling limit will be 1 millicurie and all experimental work will be conducted with Sr-85 activities less than 5 microcuries. The licensee shall possess and use this by-product material in accordance with statements, representations and procedures contained in the application dated January 17, 1983 for by-product materials with atomic numbers 3 through 83 inclusive. (Except that the maximum possession limit will be 10 millicuries).

Harry V. Leland

Harry V. Leland
Chairman
Radiation Safety Committee

8504020064 850314
NMSS LIC30
04-06674-07 PDR

COPY SENT REGION Y

17456