

Walashek Enterprises Inc.

602 Launa Aloha Place / Kailua, Hawaii 96734
Telephone: (808) 254-4609

RECEIVED
NRC

30 MAY 85

TO: UNITED STATES NUCLEAR REGULATORY COMMISSION REGION V
1450 MARIA LANE SUITE 210
WALNUT CREEK, CA 94596

1985 JUN -3 PM 1:00

ATTN: BETH A. RIEDLINGER
NUCLEAR MATERIALS SAFETY SECTION
REF: MAIL CONTROL NO. 70173

REGION V I&E

Dear Ms. Riedlinger,

Please find the enclosed revisions to our application as requested by your letter of 9 MAY 85.

1. PARA 10.6 Added to item 10A.
2. PARA 7.2 of 10A and 2.1 of 8A revised to require practical test for assistant radiographers. Also the practical test check list, item 8A, has been revised to include radiographers assistants.
3. PARA 2.5 and 2.6 added to item 8A.
4. Warning added to item 10B.
5. PARA 2.7 added to 10A.
6. Daily utilization log revised.
7. Page 7 item 10B revised to require RSO notification.

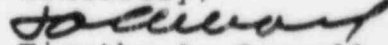
Also as per your telcon with Paula Walashek, the telephone number for Industrial Nuclear Inc. on page 6 of item 10B has been correcting.

Regarding questions 5 and 15 of the radiographers test, I have recalculated the problems and arrive at the same answers and have attached my solutions.

The answer for question 22 is taken from McMaster Page 26.2.

Thank you for your prompt review of our application.

Sincerely,


Timothy A. Carroll
General Manager

8508050052 850624
REG5 LIC30
53-23225-01 PDR

70173

Walashek Enterprises Inc.

602 Launa Aloha Place / Kailua, Hawaii 96734

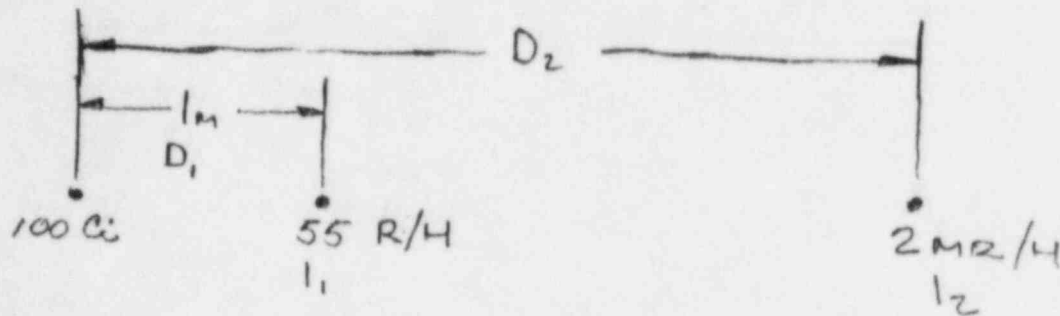
Telephone: (808) 254-4609

RADIOGRAPHER'S TEST

QUESTION NO. 5

RHM/C 12-192 = .55R McMaster 13.16 FIG. 8

$$100 \text{ Ci} = 55 \text{ R/H @ } 1 \text{ m}$$



$$D_1^2 l_1 = D_2^2 l_2$$

$$D_2 = \sqrt{\frac{D_1^2 \times l_1}{l_2}}$$

$$= \sqrt{\frac{1^2 \times 55,000 \text{ mR/H}}{2 \text{ mR/H}}}$$

$$= \sqrt{27,500} = 165.83 \text{ m}$$

APPROX 166 M

Walashek Enterprises Inc.

602 Launa Aloha Place / Kailua, Hawaii 96734

Telephone: (808) 254-4609

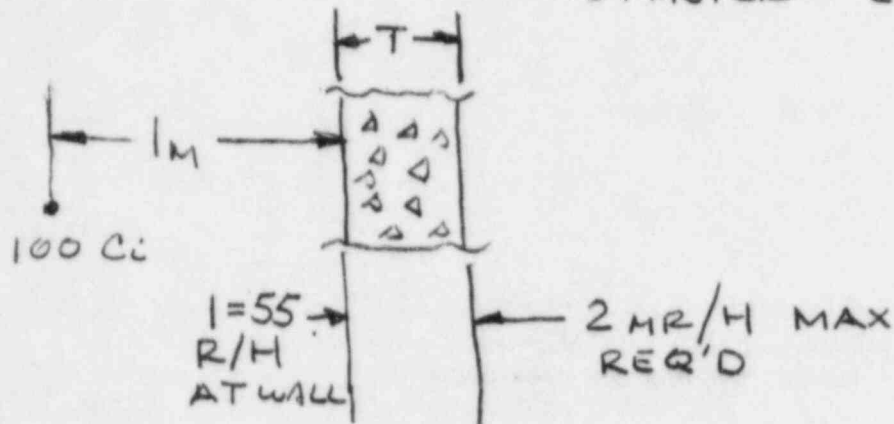
RADIOGRAPHERS TEST

QUESTION NO. 15

$RHM/C = .55R$ MCMASTER 13.16 FIG 8

HALF-VALUE LAYER CONCRETE = 1.9 IN

MCMASTER 26.9 FIG 6



2	55,000
2	27,500
2	13,750
2	6,875
2	3,437.5
2	1,718.88
2	859.44
2	429.72
2	214.86
2	107.43
2	53.72
2	26.86
2	13.43
2	6.72
2	3.36
	1.68 MR/H

$$15 \text{ HVL} \times 1.9 = 28.5$$

APPROX 28 IN