



MARATHON MANAGEMENT COMPANY
(A SUBSIDIARY OF MARATHON WATCH COMPANY LTD.)
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September 13, 1989

Nuclear Regulatory Commission
1 White Flint North
11555 Rockville Pike
Rockville, MD 20852

Attention: Steven Baggett

Re: Watch and Compass Licence
Answers to your questions of September 5/89

Dear Mr. Baggett,

1) Hypothecated accident re: watches and compasses

Re: Wrist Watches

In a lot of 2500 watches in a room that is 10ft x 10ft x 8ft or 10ft x 10ft x 10ft, no aspiration in room. If there should be an accident and all the watches should be damaged and 2 vials should be broken in each watch, inducing the worst case scenario, the radiation dose to an individual would be 17.8 millirems.

Re: Compasses

In a lot of 2500 compasses in a room that is 10ft x 10ft x 8ft or 10ft x 10ft x 10ft, no aspiration in room. If there should be an accident and all the compasses should be damaged and 2 vials should be broken in each compass, inducing the worst case scenario, the radiation dose to an individual would be 50 millirems.

2) How tritium vials are held on dials of watches and compasses?

Two silicon glues are used to attach vials to watches and compasses. One is Gomastit 404, white, used e.g. to glue vials to watch hands, the other is a clear silicon by Dow Corning, Code "DC 732RTV Silastic Clear."

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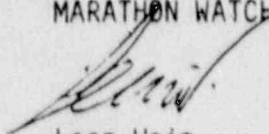
Amount of silicon glue used per watch?

Minute hand: vial	2.4 mg
Silicon glue	0.5 ± 0.1 mg
Hour hand: vial	1.5 mg
Silicon glue	0.3 ± 0.1 mg
Numbers on Dial: vial	2.5 mg
Silicon glue	0.15 ± 0.05 mg

We trust the above answers meet your requirements, if you need any further information, please do not hesitate to contact us.

Yours truly,

MARATHON WATCH COMPANY LTD.



Leon Wein

/lz

P.S. Answer on amount of silicon glue used per compass follows.