

NUCLEAR

PHARMACEUTICAL DIVISION / NUCLEAR CONSULTANTS CORP.

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Reply To: St. Louis, Missouri
January 6, 1964

Cecil Buchanan
Assistant Chief
Division of Licenses & Regulation
US AEC
Washington 25, D. C.

Dear Mr. Buchanan:

We have had an inquiry from the Chrysler Corporation here in St. Louis as to the possibility of our tagging their large air tools as an inspection procedure to reduce the loss of these by theft.

I'm sure you will recall the project we carried out for the MacDonnell Aircraft Corporation where we tagged all their bucking bars with small CS137 sources. This has worked out quite well for them and could be the basis for such a project at Chrysler.

From a preliminary look, I'm not sure we can satisfy their requirements, however, before we proceed further, I thought it wise to check with you.

We could seal the CS137 sources (1 to 5 uc) in the same type of plug we used for the MacDonnell project. These plugs would then have to be imbedded into the thickest sections of the tool. This would range in thickness from one to three inches of metal. The metal in most cases would be aluminum or magnesium. I believe they could be securely fixed into the metal so they would not accidentally come out and such that a workman would have to work at it to get them out. It is not like the bucking bars where the plugs can be welded into place.

I'm sure we can keep the radiation exposure to workmen to a very low and acceptable level. My main concern is your attitude concerning the way in which we could secure these sources in the tools.

I would appreciate your comments at your earliest convenience so I can indicate to Chrysler whether we should pursue this approach further.

Thank you and Happy New Year.

Yours very truly

NUCLEAR CONSULTANTS CORPORATION

W. R. Konneker
W. R. Konneker
President

WRK:gg