

CENTRAL FILES

NLO

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July 6, 1956

TRIP REPORT TO CARBOLOY COMPANY, DETROIT, MICHIGAN ON JUNE 29, 1956

J. A. Quigley, M.D.

J. A. Husing

Objective of Trip

Decontamination of equipment used to turn down the O.D. of uranium metal slugs.

Conclusions

All equipment used at the Carboloy Company by NLO is thoroughly decontaminated.

Persons Visited

Mr. H. J. Nickmann, Chief of the Experimental Machine Shop of the Carboloy Company; and Mr. P. Sallada of the Technical Division of NLO.

Description of Trip

The initial decontamination was done by Mr. Sallada of NLO, who was provided with a radiation survey meter, Type GP-3, by the Industrial Hygiene Department. In checking the equipment with a more sensitive 2610-A, which I brought, four areas were found contaminated. These areas were rechecked until the following readings were obtained:

- |   |                          |
|---|--------------------------|
| (1) Surface of lathe below cutting area | N.D.                     |
| (2) Oil reservoir plug                  | N.D.                     |
| (3) Hinge near oil reservoir plug       | 0.02 mrep $\beta/\gamma$ |
| (4) Coolant tray                        | 0.04 mrep $\beta/\gamma$ |

In addition to decontamination of equipment, approximately 35 gallons of lathe coolant giving radiation readings below 0.1 mrep  $\beta/\gamma$  were dumped into a storm sewer. Sludge then remaining in the coolant drum and giving radiation readings below 0.5 mrep  $\beta/\gamma$  was diluted with a solvent and water and the mixture spread over an unused field behind the plant. The contaminated steel drum that had contained the coolant is to be returned to Fernald with the slugs and turnings.

All rags, brushes, and mops used in the decontamination were burned.

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**Commitments**

**None**

**Comments**

**Mr. Siekmann was very cooperative in supplying all the facilities and equipment we requested. Transportation supplied by Mr. Siekmann was also greatly appreciated.**

**Mr. Sallada of NCO is to be commended for the fine job of decontaminating the lathe used in the operation.**

**Original Signed By**

**J. A. Huesing**

**JAH:bg**

**cc: G. W. Nunder (2)**

**R. C. Heatherton**

**P. Sallada**

**Central File ✓**