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From: [REDACTED]
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To: NIOSH Docket Office
Subject: OTIB-004/Site Profile 020

OTIB-004 assumes a maximum inhalation of 100 MAC (5000 ug/m3) for uranium processing facilities.

AEC data at Electromet shows the "bomb loaders" were exposed to 600 times MAC;

At Simonds Saw 27% of the workers measured in one survey showed 120-190 MAC;

At Harshaw Chemical an AEC memo shows exposures at 2-160 times MAC every day;

At Vulcan Crucible, the levels were as high as 530 MAC for four workers, and an air sample found 1800 MAC, which was higher than the highest reading at Simonds Saw. Time wieghted average exceed 100 MAC;

Please disclose the calculations for using 100 MAC as the maximizing assumption for internal dose. This appears to underestimate the plausible worst case for certain facilities, certain workers and certain time periods.

This TIB should be audited by the Advisory Board.

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