

Division of Compensation Analysis and Support Program Evaluation Report	Document Number: DCAS-PER-070 Effective Date: 4/5/2016 Revision No. 0
Nuclear Metals Inc.	
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RECORD OF ISSUE/REVISIONS			
ISSUE AUTHORIZATION DATE	EFFECTIVE DATE	REV. NO.	DESCRIPTION
4/5/2016	4/5/2016	0	New document to determine the effect of issuing DCAS-TKBS-0010, (Nuclear Metals Inc.) on previously completed claims.

1.0 Description

Dose reconstructions for the claims from the Nuclear Metals Inc. (NMI) were originally performed individually using site research which was eventually summarized in an SEC Evaluation Report. In 2012 and 2014 two classes of NMI employees were added to the SEC covering employment periods from 10/29/1958 through 12/31/1990.

On 4/25/2015, a TBD covering NMI was issued (DCAS-TKBS-0010). This PER (DCAS-PER-070) evaluates the effect of issuing the TBD on all previously completed claims.

2.0 Issue Evaluation

Because many NMI employees were monitored and there was no previous TBD, it is unclear what affect this TBD will have on previously completed claims. Therefore, all previously completed claims with a probability of causation (POC) less than 50% were evaluated under this PER and no itemizing of changes to methods is necessary.

3.0 Plan for Resolution or Corrective Action

In order to evaluate the effect of issuing the TBD on all previously completed claims, a search was conducted for all completed claims with verified employment at the NMI that had a probability of causation (POC) of less than 50%. This search identified 21 claims. Three of these claims had been completed using the TBD and were removed from further evaluation.

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A new dose estimate was performed for the remaining 18 claims using the TBD, as well as all other applicable approved dose reconstruction methods. The resulting probability of causation (POC) was below 45% for 16 claims. The two remaining claim resulted in a POC between 45% and 50%. For those claims, IREP was run 30 times at 10,000 iterations per NIOSH procedures. The resulting POC remained below 50% for both claims.

NIOSH will provide the Department of Labor with the list of all claims evaluated under this PER. Since none would now result in a POC greater than 50%, NOSH will not request the return of any of the claims.