

Office of Compensation Analysis and Support
Program Evaluation Report

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Revision No. 0

Nevada Test Site TBD Revisions

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RECORD OF ISSUE/REVISIONS

ISSUE AUTHORIZATION DATE	EFFECTIVE DATE	REV. NO.	DESCRIPTION
12/18/2007	12/18/2007	0	New document to determine which previously completed claims require evaluation for the effect of revising the Nevada Test Site TBD.

1.0 Description

The Nevada Test Site (NTS) Technical Basis Document (ORAUT-TKBS-0008) has been revised several times. The TBD contains six separate sections each pertaining to a specific part of dose reconstruction. Technical Information Bulletins (TIB) are also utilized in dose reconstruction. Many of the revisions only corrected typographical errors or clarified language. Some revisions were made as the result of a Special Exposure Cohort (SEC) designation for specific classes of employees at the site. Methods outlined in the latest revision of these documents were reviewed against previous methods to determine if any previously completed dose reconstruction would result in an increased dose using current methods. The review was limited to any increase rather than an overall increase. Therefore, since changes that would cause dose to decrease were not reviewed, it is possible a new dose reconstruction would result in an overall decrease in dose even if it is determined that a new dose reconstruction is warranted.

2.0 Issue Evaluation

Revision 1 of the external section of the TBD (ORAUT-TKBS-0008-6) contained the two changes that would result in an increase in dose to previously completed claims. The first change was in increase in the detection limit of the dosimeter used after 1986. This results in an increase in missed dose for those individuals monitored after 1986.

The second change is an adjustment to missed and recorded photon dose from July 1960 to the end of 1965. This is the time frame NTS was using the DuPont 559 film pack which contained a lead filter. The reduction in photon dose due to the lead filter was not accounted for prior to revision 1 of the TBD.

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3.0 Plan for Resolution or Corrective Action

There were 481 Nevada Test Site claims completed prior to 7/30/2007 (issue date of revision 1) with a probability of Causation below 50% that meet the criteria above. The dose reconstruction methodology of each will be reviewed to determine if a new dose reconstruction is necessary to determine if the revisions increase the dose estimate. The criteria for making this determination are:

1. Any of the claims assigned an external photon missed dose based on dosimeter readings obtained after 1986 will require a new dose estimate.
2. Any of the claims assigned a photon dose between July 1960 and the end of 1965 based on dosimeter readings will require a new dose estimate.

NIOSH will review these dose reconstructions to determine if they meet any of the criteria listed above. NIOSH will provide DOL with the list of 481 claims as well as a determination on each claim as to whether a new dose estimate is required. Documentation for each claim not requiring a new dose reconstruction will provide the basis for that determination.