

Division of Compensation Analysis and Support Program Evaluation Report	Document Number: DCAS-PER-064 Effective Date: 11/16/2015 Revision No. 0
DuPont Deep Water Works	
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RECORD OF ISSUE/REVISIONS			
ISSUE AUTHORIZATION DATE	EFFECTIVE DATE	REV. NO.	DESCRIPTION
11/16/2015	11/16/2015	0	New document to determine the effect of the revision to DCAS-TKBS-0006, (DuPont Deep Water Works) on previously completed claims.

1.0 Description

Dose reconstructions for the claims from the DuPont Deep Water Works site were originally performed using Appendix B of Battelle-TBD-6001 issued on 12/16/2007. Battelle-TBD-6001 was cancelled and the Appendix was converted to a standalone TBD, DCAS-TKBS-0006. Revision 0 of this TBD was issued on 2/15/2011. Revision 1 was issued on 12/13/2013 and revision 2 was issued on 3/20/2015. This PER (DCAS-PER-064) evaluates the effect of revision 2 on all previously completed claims.

2.0 Issue Evaluation

Revision 0 of the DCAS TBD was issued to create a standalone document after Battelle-TBD-6001 was cancelled. That required a different external dose model than the default TBD-6001 model. As a result, the operational period external doses were different than Appendix B. Some of those values increased while others decreased.

Revision 1 of the TBD was issued to address comments from the Advisory Board. Operational period inhalation intakes and external dose rates increased in revision 1 as well as ingestion intakes in the residual contamination period.

An additional review was conducted by the Advisory Board that found an error in the ingestion intake rates in the residual contamination period. This error was corrected in revision 2 of the TBD issued 3/20/2015.

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The increases in dose discussed above encompass all employees through all years. Therefore, it was not necessary to itemize any other increases in dose or further breakdown the time periods affected.

3.0 Plan for Resolution or Corrective Action

In order to evaluate the effect of revision 2 of the TBD on all previously completed claims, a search was conducted for all completed claims with employment at DuPont Deepwater Works that had a probability of causation (POC) of less than 50%. This search identified 56 claims.

A new dose estimate was performed for all 56 claims using revision 2 of the TBD, as well as all other applicable approved dose reconstruction methods. The resulting probability of causation (POC) was below 45% for 54 claims and greater than 50% for one claim. The remaining claim resulted in a POC between 45% and 50%. For that claim, IREP was run 30 times at 10,000 iterations per NIOSH procedures. The resulting POC remained below 50%.

NIOSH will provide the Department of Labor with the list of all claims evaluated under this PER. Further, NIOSH will request the return of the one claim that would now result in a POC greater than 50%.