

Division of Compensation Analysis and Support Program Evaluation Report	Document Number: DCAS-PER-081 Effective Date: 10/17/2017 Revision No. 0
Hooker Electrochemical	Page 1 of 3
Author: <u>Signature on file</u> Date: <u>10/17/2017</u> Dave Allen, HP Team Leader	Supersedes: none
Approval: <u>Signature on file</u> Date: <u>10/17/2017</u> J. W. Neton, Associate Director for Science	

RECORD OF ISSUE/REVISIONS

ISSUE AUTHORIZATION DATE	EFFECTIVE DATE	REV. NO.	DESCRIPTION
10/17/2017	10/17/2017	0	New document to determine the effect of revision 3 to DCAS-TKBS-0009 (Hooker Electrochemical TBD) on previously completed claims.

1.0 Description

A Hooker Electrochemical site specific appendix to Battelle-TBD-6001 (Appendix AA) was issued on 6/15/2007. This appendix was superseded by a stand-alone Technical Basis Document (TBD) on 4/4/2011 (DCAS-TKBS-0009 rev. 0). Soon after, on 6/16/2011, revision 1 to TBKS-0009 was issued to correct an error. On 7/24/2012, a program evaluation report (PER) was issued to evaluate the effect of those revisions on previously completed claims.

On 11/10/2015, revision 2 of DCAS-TKBS-0009 was issued to incorporate additional information, as well as account for the designation of a class of Hooker employees to the Special Exposure Cohort (SEC). Additional minor corrections were made in revision 3 issued on 9/1/2016.

The effect of these new revisions on previously completed claims is the subject of this PER.

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2.0 Issue Evaluation

Revision 2 of the TBD included new information about the production rate of uranium at Hooker. This resulted in an increase in the exposure time over the previous estimate. As a result external doses increase during the operational years. NIOSH's inability to reconstruct internal dose during operational period was the basis for designating an SEC class at Hooker. Thus, internal doses are no longer included in Hooker dose reconstructions starting in revision 2.

The increased production rate caused an increase in the modeled residual contamination levels, which resulted in an increase in both the internal and external doses in the residual period. Revision 3 included all the changes in revision 2 plus a few minor corrections.

The overall effect of the changes made to the technical basis document is that revision 2 (and revision 3) caused at least one aspect of the dose estimate to increase each year during the operational and residual periods. Therefore, all previously completed claims with employment at Hooker will be reevaluated under this Program Evaluation Report (PER).

3.0 Plan for Resolving Corrective Action

A search was conducted for all claims with Hooker Electrochemical employment that had a probability of causation (POC) of less than 50%. Those that had been completed using revision 3 of the TBD were eliminated from consideration. Also, those that would qualify for inclusion in the SEC were eliminated. This left 108 claims to be evaluated further. Additionally, during the evaluation process, one of the claims was returned to NIOSH for a new dose reconstruction and was reworked using revision 3. This claim was therefore eliminated from the PER evaluation. The doses for each of the 107 remaining cases were recalculated using revision 3 of the Hooker TBD, as well as the current revision of any other applicable documents.

Of the 107 remaining claims, 104 resulted in a new POC below 45% and two resulted in a POC greater than 52%. For the remaining claim, IREP was run 30 times at 10,000 iterations per NIOSH procedures. The resulting POC was less than 50%. It should be noted that, one of the claims greater than 50% appears to qualify for inclusion in the SEC at another site but may need a new dose reconstruction to qualify for some medical benefits. The Department of Labor will be notified of these details and they will determine if a new dose reconstruction is necessary.

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NIOSH will provide the Department of Labor with the list of all the claims evaluated under this PER. Further, NIOSH will request the return of the 2 claims that would now result in a probability of causation greater than 50%.