



SPR-Approved Document Reviews
 Meeting of the Subcommittee for Procedure Reviews
 March 14, 2024

Table 1. Documents reviewed and closed by the SPR

Finding date	Document & revision number, date	Document title	Total findings	SPR closed date	Comments	ABRWH closed date
6/8/2006	NIOSH-OVER-0002, rev. 00, Oct. 26, 2012	Workplace Ingestion	1	2/5/2013	Presented at 8/16/2023 Board meeting	8/16/2023
11/13/2013	OCAS-PER-020, rev. 0, July 31, 2007	Blockson TBD Revision	6	11/25/2014	Presented at 8/16/2023 Board meeting	8/16/2023
6/8/2006	OCAS-PR-007, rev. 02, April 18, 2005	Dose Reconstruction Review	9	10/14/2008	Presented at 8/16/2023 Board meeting	8/16/2023
8/17/2007	ORAUT-PROC-0031, rev. 01, Dec. 15, 2005	Site Profile and Technical Basis Document Development	2	7/9/2013	Presented at 8/16/2023 Board meeting	8/16/2023
10/31/2017	DCAS-RPT-005, rev. 01, August 17, 2018	Alternative Dissolution Models for Insoluble Pu-238	2	2/18/2021	Presented at 8/16/2023 Board meeting	8/16/2023
8/20/2014	DCAS-PER-045, rev. 0, May 13, 2013	Aliquippa Forge TBD Revision	10	2/15/2022	Presented at 4/19/2023 Board meeting	4/19/2023
10/29/2018	DCAS-PER-076, rev. 0, February 15, 2017	Aliquippa Forge TBD	0	2/13/2019	Presented at 4/19/2023 Board meeting	4/19/2023
1/26/2019	DCAS-PER-077, rev. 0, February 28, 2017	Simonds Saw and Steel TBD	0	2/13/2019	Presented at 4/19/2023 Board meeting	4/19/2023
2/17/2015	DCAS-PER-043, rev. 0, June 7, 2013	Internal Dosimetry Organ, External Dosimetry Organ, and IREP Model Selection by ICD-9 Code Revision	3	4/28/2015	Presented at 4/19/2023 Board meeting	4/19/2023
5/22/2017	DCAS-PER-059, rev. 0, April 24, 2015	Norton Company	3	5/25/2022	Presented at 4/19/2023 Board meeting	4/19/2023

DISCLAIMER: This is a working document provided by the Centers for Disease Control and Prevention (CDC) technical support contractor, SC&A for use in discussions with the National Institute for Occupational Safety and Health (NIOSH) and the Advisory Board on Radiation and Worker Health (ABRWH), including its Working Groups or Subcommittees. Documents produced by SC&A, such as memorandum, white paper, draft or working documents are not final NIOSH or ABRWH products or positions, unless specifically marked as such. This document prepared by SC&A represents its preliminary evaluation on technical issues.

NOTICE: This document has been reviewed to identify and redact any information that is protected by the [Privacy Act 5 U.S.C. § 552a](#) and has been cleared for distribution.

Finding date	Document & revision number, date	Document title	Total findings	SPR closed date	Comments	ABRWH closed date
6/8/2006	ORAUT-OTIB-0014, rev. 00, June 22, 2004	Technical Information Bulletin – Assignment of Environmental Internal Doses for Employees Not Exposed to Airborne Radionuclides in the Workplace	1	4/11/2012	Presented at 12/8/2022 Board meeting	12/8/2022
1/17/2005	ORAUT-PROC-0002, rev. 00, August 14, 2003	Use of Integrated Modules for Bioassay Analysis (IMBA)	3	7/26/2006	Presented at 12/8/2022 Board meeting	12/8/2022
6/8/2006	ORAUT-PROC-0077, rev. 00, March 28, 2005	Dose Reconstruction Error Tracking and Reporting	3	11/7/2007	Presented at 12/8/2022 Board meeting	12/8/2022
10/29/2007	OCAS-PER-003, rev. 0, January 28, 2005	Evaluation of the Effect of Adding Ingestion Intakes to Bethlehem Steel Cases	4	5/16/2016	Presented at 12/8/2022 Board meeting	12/8/2022
12/5/2013	OCAS-PER-025, rev. 0, Sept. 28, 2007	Huntington Pilot Plant TBD Revision	4	2/13/2014	Presented at 12/8/2022 Board meeting	12/8/2022
11/25/2014	DCAS-PER-038, rev. 0, July 24, 2012	Hooker Electrochemical TBD Revisions	0	11/25/2014	Presented at 12/8/2022 Board meeting	12/8/2022
2/17/2015	DCAS-PER-033, rev. 0, December 9, 2011	Reduction Pilot Plant TBD Revision	0	2/17/2015	Presented at 12/8/2022 Board meeting	12/8/2022
10/9/2018	DCAS-PER-049, rev. 0, August 5, 2016	Paducah Gaseous Diffusion Plant	0	10/31/2018	Presented at 8/18/2022 Board meeting.	8/18/2022
5/16/2016	OCAS-PER-008, rev. 0, April 12, 2007	Modification of NIOSH-IREP Lung Cancer Risk Model: Effect of “Combined” Lung Model on Non-compensable Lung Cancer Claims	2	6/8/2016	Presented at the 8/18/2022 Board meeting	8/18/2022
10/29/2007	OCAS-PER-006, rev. 0, Sept. 15, 2006	External Dosimetry Target Organ for Prostate Cancer	1	12/9/2008	Presented at the 8/18/2022 Board meeting	8/18/2022
6/8/2006	ORAUT-OTIB-0023, rev. 00, March 7, 2005	Assignment of Missed Neutron Doses Based on Dosimeter Records	8	6/24/2008	Presented at the 8/18/2022 Board meeting	8/18/2022
12/29/2016	DCAS-PER-066, rev. 0, Nov. 30, 2015	Huntington Pilot Plant	1	10/31/2018	Presented at the 8/18/2022 Board meeting	8/18/2022
1/26/2019	DCAS-PER-080, rev. 0, August 30, 2017	General Steel Industries	1	2/13/2019	Presented at 4/27/2022 Board meeting	4/27/2022

Finding date	Document & revision number, date	Document title	Total findings	SPR closed date	Comments	ABRWH closed date
10/9/2018	ORAUT-RPRT-0086, rev. 00, Sept. 18, 2017	Internal Dosimetry Coworker Data Completeness Test	3	2/13/2019	Presented at 4/27/2022 Board meeting	4/27/2022
12/8/2008	ORAUT-OTIB-0066, rev. 01, Oct. 15, 2020	Calculation of Dose from Intakes of Special Tritium Compounds	4	11/3/2021	Presented at 4/27/2022 Board meeting	4/27/2022
1/3/2017	DCAS-PER-057, rev. 0, March 11, 2015	General Steel Industries	11 (from Subtask 4 review)	11/3/2021	Presented at 4/27/2022 Board meeting	4/27/2022
7/17/2017	DCAS-PER-063, rev. 0, June 15, 2015	Aluminum Company of America – Pennsylvania (ALCOA-PN)	0	11/3/2021	Presented at 4/27/2022 Board meeting	4/27/2022
6/15/2017	DCAS-PER-065, rev. 0, Nov. 30, 2015	Anaconda Program Evaluation Report, Rev. 0	1	11/2/2021	Presented at 4/27/2022 Board meeting	4/27/2022
1/3/2017	DCAS-PER-064, rev. 0, Nov. 16, 2015	DuPont Deep Water Works	0	10/31/2018	Presented at 4/27/2022 Board meeting	4/27/2022
10/9/2018	DCAS-PER-081, rev. 0, October 17, 2017	Hooker Electrochemical	2	2/13/2019	Presented at 12/8/2021 Board meeting	12/8/2021
6/8/2006	ORAUT-OTIB-0025, rev. 00, April 5, 2005	Estimation of Radium-226 Activity in the Body from Breath Radon-222 Measurements	1	12/11/2007	Presented at 12/8/2021 Board meeting	12/8/2021
10/29/2007	ORAUT-OTIB-0032, rev. 00 PC-1, Nov. 7, 2006	External Coworker Dosimetry Data for the Savannah River Site	2	5/16/2016	Presented at 12/8/2021 Board meeting	12/8/2021
6/8/2006	ORAUT-OTIB-0033, rev. 00, April 20, 2005	Application of Internal Doses Based on Claimant-Favorable Assumptions for Processing as Best Estimates	1	10/31/2018	Presented at 12/8/2021 Board meeting	12/8/2021
6/8/2006	ORAUT-PROC-0022, rev. 00, March 15, 2005	Supplemental Requests for DOE Information	2	11/20/2017	Presented at 12/8/2021 Board meeting	12/8/2021
3/18/2010	OCAS-PER-012, rev. 0, August 7, 2007	Evaluation of Highly Insoluble Plutonium Compounds	0	1/5/2011	Subtasks 1–3 presented to SPR at 1/5/2011 meeting	8/18/2021
8/20/2012	OCAS-PER-012, rev. 0, August 7, 2007	Evaluation of Highly Insoluble Plutonium Compounds	0	7/31/2012	Subtask 4 presented to SPR at 7/31/2012 meeting	8/18/2021

Finding date	Document & revision number, date	Document title	Total findings	SPR closed date	Comments	ABRWH closed date
8/29/2008	ORAUT-OTIB-0070, rev. 00, March 10, 2008	Dose Reconstruction During Residual Radioactivity Periods at Atomic Weapons Employer Facilities	15	7/31/2012	Presented at 8/18/2021 Board meeting	8/18/2021
10/29/2007	OCAS-IG-001, rev. 2, August 25, 2006	External Dose Reconstruction Implementation Guideline	24	2/5/2013	Presented at 8/18/2021 Board meeting	8/18/2021
6/8/2006	ORAUT-OTIB-0023, rev. 00, March 7, 2005	Assignment of Missed Neutron Doses Based on Dosimeter Records	8	6/24/2008	Presented at 8/18/2021 Board meeting	8/18/2021
1/17/2005	ORAUT-OTIB-0010, rev. 00, January 12, 2004	Technical Information Bulletin: A Standard Complex-Wide Correction Factor for Overestimating External Doses Measured with Film Badge Dosimeters	10	6/24/2008	Presented at 8/18/2021 Board meeting	8/18/2021
6/8/2006	OCAS-TIB-0010, rev. 2, December 30, 2005	Best Estimate External Dose Reconstruction for Glovebox Workers	9	2/5/2013	Presented at 8/18/2021 Board meeting	Closed 6 findings 8/18/2021 Findings 5, 6, 7 in abeyance
11/23/2014	OCAS-PER-009, rev. 0, March 8, 2007	Target Organs for Lymphoma	6	2/18/2015	Not suitable for matrix	Not yet presented to Board
10/29/2007	ORAUT-OTIB-0057, rev. 00, May 15, 2006	External Radiation Dose Estimates for Individuals Near the 1958 Criticality Accident at the Oak Ridge Y-12 Plant	3	8/8/2011	Not suitable for matrix	Not yet presented to Board
10/31/2012	ORAUT-PROC-0044, rev. 00, Oct. 7, 2005	Special Exposure Cohort	10	11/20/2017	Not suitable for matrix	Not yet presented to Board
1/17/2005	ORAUT-PROC-0090, rev. 00, June 21, 2005	Computer Assisted Telephone Interview Process	29	4/28/2015	Not suitable for matrix	Not yet presented to Board
9/20/2007	ORAUT-PROC-0092, rev. 00, August 17, 2005	Close-Out Interview Process	9	4/28/2015	Not suitable for matrix	Not yet presented to Board

Finding date	Document & revision number, date	Document title	Total findings	SPR closed date	Comments	ABRWH closed date
1/27/2005	OCAS-PER-001, rev. 0, September 9, 2003	Misinterpreted Dosimetry Records Resulting in an Underestimate of Page 1 of 4 Missed Dose in SRS Dose Reconstructions	1	2/17/2015	Review performed under initial protocols. No Subtask 4 review is necessary since no cases reevaluated. Offsetting doses.	Not yet presented to Board
1/17/2005	OCAS-PER-002, rev. 0, December 15, 2003	Error in Surrogate Organ Assignment Resulting in an Underestimate of X-Ray Dose in SRS Dose Reconstructions	1	2/17/2015	Review performed under initial protocols. No Subtask 4 review was performed. NIOSH evaluated 4 cases.	Not yet presented to Board
1/10/2013	OCAS-PER-005, rev. 0, June 9, 2006	Misinterpreted Application of the External Dose Factor for Hanford Dose Reconstructions	1	5/16/2016	Review performed under initial protocols. No Subtask 4 review was performed. SPR tasked SC&A with ST4 review. NIOSH stated they evaluated all 31 impacted cases. No reworked DR identified.	Not yet presented to Board
1/14/2019	ORAUT-OTIB-0006, rev. 05, August 13, 2018	Dose Reconstruction from Occupational Medical X-Ray Procedures	7	2/15/2022	OTIB-0006, rev. 06, issued 9/27/2019 resolved last 2 observations. Although observations were closed, SC&A's 2/3/2021 memo lists documentation issues that should be findings.	Not yet presented to Board
6/12/2013	NIOSH-OVER-0009, rev. 00, June 13, 2013	Skin Exposure	3	2/18/2012	Presented at 8/18/2021 Board meeting	Not closed. Awaiting OTIB-0017 revision
6/8/2006	ORAUT-OTIB-0017, rev. 01, October 11, 2005	Interpretation of Dosimetry Data For Assignment of Shallow Dose	15	10/18/2008	Presented at 8/18/2021 Board meeting	Not closed. Awaiting OTIB-0017 revision

Finding date	Document & revision number, date	Document title	Total findings	SPR closed date	Comments	ABRWH closed date
5/22/2017	DCAS-PER-059, rev. 0, April 24, 2015	Norton Company	3	5/25/2022	Added for 3/14/2024 SPR meeting.	Not yet presented to Board
5/31/2018	DCAS-PER-062, rev. 0, November 2, 2017	ORAUT-OTIB-0052	2	5/25/2022	Added for 3/14/2024 SPR meeting.	Not yet presented to Board
5/15/2012	OCAS-PER-017, rev. 0, September 11, 2007	Evaluation of Incomplete Internal Dosimetry Records from Idaho, Argonne – East and Argonne – West National Laboratories	2	2/17/2015	Added for 3/14/2024 SPR meeting.	Not yet presented to Board
1/17/2005	OCAS-TIB-006, rev. 1, February 20, 2004	Interpretation of External Dosimetry Records at the Savannah River Site (SRS)	3	11/6/2007	Added for 3/14/2024 SPR meeting.	Not yet presented to Board
1/17/2005	OCAS-TIB-007, rev. 0, September 17, 2003	Neutron Exposures at the Savannah River Site	2	11/6/2007	Added for 3/14/2024 SPR meeting.	Not yet presented to Board
1/17/2005	OCAS-TIB-008, rev. 0, September 29, 2003	Use of ICRP 66 to Calculate Respiratory Tract Doses	3	11/6/2007	Added for 3/14/2024 SPR meeting.	Not yet presented to Board
6/8/2006	OCAS-TIB-009, rev. 0, April 13, 2004	Estimation of Ingestion Intakes	1	6/8/2006	Added for 3/14/2024 SPR meeting.	Not yet presented to Board
1/17/2005	ORAUT-OTIB-0008, rev. 00, November 7, 2003	Technical Information Bulletin for a Standard Complex-Wide Conversion/ Correction Factor for Overestimating External Doses Measured with Thermoluminescent Dosimeters	4	7/26/2006	Added for 3/14/2024 SPR meeting.	Not yet presented to Board
6/8/2006	ORAUT-OTIB-0022, rev. 00, November 18, 2005	Guidance on Wound Modeling for Internal Dose Reconstruction	1	10/2/2007	Added for 3/14/2024 SPR meeting.	Not yet presented to Board
6/8/2006	ORAUT-OTIB-0028, rev. 01, March 7, 2005	Validation of Thorium Annual Dose Conversion Factors	4	11/7/2007	Added for 3/14/2024 SPR meeting.	Not yet presented to Board

Finding date	Document & revision number, date	Document title	Total findings	SPR closed date	Comments	ABRWH closed date
1/25/2013	ORAUT-OTIB-0079, rev. 00, January 3, 2011	Guidance on Assigning Occupational X-Ray Dose Under EEOICPA for X-Rays Administered Off Site	1	2/5/2013	Added for 3/14/2024 SPR meeting.	Not yet presented to Board
6/8/2006	ORAUT-PROC-0065, rev. 00 PC-1, November 3, 2005	Internal Finding and Corrective Action to Prevent Recurrence	2	11/7/2007	Added for 3/14/2024 SPR meeting.	Not yet presented to Board
10/29/2007	ORAUT-PROC-0094, rev. 00, January 5, 2006	Verification and Validation Process for the Tools Development Group	1	11/20/2017	Added for 3/14/2024 SPR meeting.	Not yet presented to Board
10/3/2017	ORAUT-RPRT-0078, rev. 00, June 17, 2016	Technical Basis for Sampling Plan	1	10/31/2018	Added for 3/14/2024 SPR meeting.	Not yet presented to Board
2/18/2015	DCAS-PER-042, rev. 0, Nov. 16, 2012	Linde Ceramics Plant TBD Revision	3	5/16/2016	Preparing presentation for April 17, 2024, Board meeting	Not yet presented to Board
1/10/2017	DCAS-PER-055, rev. 0, Sept. 12, 2014	TBD-6000 Revision	2	10/31/2018	Preparing presentation for April 17, 2024, Board meeting	Not yet presented to Board
6/8/2006	ORAUT-OTIB-0011, rev. 00, June 29, 2004	Technical Information Bulletin: Tritium Calculated and Missed Dose Estimates	2	10/2/2007	Preparing presentation for April 17, 2024, Board meeting	Not yet presented to Board
6/8/2006	ORAUT-OTIB-0019, rev. 01, Oct. 7, 2005	Analysis of Coworker Bioassay Data for Internal Dose Assignment	1	10/14/2008	Preparing presentation for April 17, 2024, Board meeting	Not yet presented to Board
11/5/2013	ORAUT-OTIB-0054, rev. 01, June 13, 2013	Fission and Activation Product Assignment for Internal Dose-Related Gross Beta and Gross Gamma Analyses	36	4/28/2015	Preparing presentation for April 17, 2024, Board meeting	Not yet presented to Board

Note. ABRWH is Advisory Board on Radiation and Worker Health; ER is evaluation report; ICD is International Classification of Diseases; ICRP is International Commission on Radiological Protection; IMBA is Integrated Modules for Bioassay Analysis; IREP is Interactive RadioEpidemiological Program; SPR is Subcommittee for Procedure Reviews; SRS is Savannah River Site; TBD is technical basis document.