

Centers for Disease Control  
National Institute for Occupational Safety and Health  
Advisory Board on Radiation and Worker Health (ABRWH)  
145th Meeting

Wednesday, April 27, and Thursday April 28, 2022

## **Wednesday, April 27, 2022**

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### **Summary Proceedings**

The Advisory Board on Radiation and Worker Health meeting convened via teleconference at 1:00 p.m. Eastern Daylight Time (EDT), Dr. Henry A. Anderson, Chair, presiding.

### **Attendees**

#### **Members**

Henry A. Anderson, Chair  
Josie Beach, Member  
Bradley P. Clawson, Member  
R. William Field, Member  
David Kotelchuck, Member  
James E. Lockey, Member  
David B. Richardson, Member  
Genevieve S. Roessler, Member  
Phillip Schofield, Member  
Loretta R. Valerio, Member  
Paul L. Ziemer, Member  
Rashaun Roberts, Designated Federal Official

#### **Non-Members, Registered and/or Public Comment Participants:**

Adams, Nancy, NIOSH Contractor  
Barrie, Terrie  
Barton, Bob, SC&A  
Behling, Kathy, SC&A  
Black, Finn, SC&A  
Blaze, D'lanie  
Buchanan, Ron, SC&A  
Burgan, Arthur  
Burgos, Zaida, NIOSH  
Calhoun, Grady, DCAS  
Cook, Madeline, DCAS  
Crawford, Chris, DOL  
DeGarmo, Denise

Dressman, Kevin, DOE  
Fitzgerald, Joe, SC&A  
Gheen, Angelica, DCAS  
Gogliotti, Rose, SC&A  
Griego, Regina, DOE  
Hand, Donna  
Lewis, Greg, DOE  
McCloskey, Pat, ORAU Team  
Mcgolerick, Robert, HHS  
Nelson, Chuck, DCAS  
Rafky, Michael, HHS  
Rutherford, LaVon, DCAS  
Taulbee, Tim, DCAS

## **Roll Call/Welcome - Dr. Rashaun Roberts, DFO**

Dr. Rashaun Roberts called to order the Advisory Board on Radiation and Worker Health at 1:00 pm EDT on April 27, 2022, via teleconference. A roll call of all ABRWH members confirmed that a quorum was present. The quorum was maintained throughout the meeting. Board Members announced any conflicts during roll call. Dr. Roberts turned the meeting over to Dr. Anderson, Board Chair.

## **Program Updates: NIOSH, DOL, and DOE**

Grady Calhoun (NIOSH), Chris Crawford (DOL), and Greg Lewis (DOE) gave updates of each organization's activities for the EEOICPA Program and responded to questions from Board Members. Kevin Dressman introduced himself as the new Director of DOE's Office of Health and Safety, replacing Pat Worthington, who retired.

## **Procedures Review Finalization/Document Approvals – Josie Beach, Chair of Subcommittee for Procedures Review**

After introductory remarks Ms. Beach called on Kathy Behling, SC&A to describe the Subcommittee's completed review of seven documents. Those documents are:

- ORAUT-OTIB-0066, rev. 01, "Calculation of Dose from Intakes of Special Tritium Compounds"
- ORAUT-RPRT-0086, rev. 00, "Internal Dosimetry Coworker Data Completeness Test"
- DCAS-PER-057, rev. 0, "General Steel Industries"
- DCAS-PER-080, rev. 0, "General Steel Industries"
- DCAS-PER-063, rev. 0, "Aluminum Company of America – Pennsylvania (ALCOA-PN)"
- DCAS-PER-065, rev. 0., "Anaconda"
- DCAS-PER-064, rev. 0, "DuPont Deep Water Works"

After Ms. Behling presented the Subcommittee's work on each document, the Board voted to close the reviews of all seven documents.

## **Update on Review of SEC-00253 Reduction Pilot Plant, Huntington, WV: June 7, 1976 – November 26, 1978 – Dr. Henry Anderson, Chair of Uranium Refining Atomic Weapons Employer (URAWE) Work Group**

After introductory remarks, Dr. Anderson called on Dr. Ron Buchanan, SC&A, to describe the Work Group's work on SEC Petition SEC-00253. Dr. Buchanan presented information about the Reduction Pilot Plant's (RPP) operations, and the technical documents that DCAS and ORAU Team have prepared for the site. He then presented information from DCAS's Evaluation Report for Petition SEC-00253, and SC&A's review of that Evaluation Report. The class that DCAS evaluated for this petition was all International Nickel Company security personnel who worked at any location within the RPP facility during the period of June 7, 1976, to November 26, 1978. SC&A developed two observations during their review of the SEC Evaluation Report concerning the magnitude of the doses that should be reconstructed for members of the class. However, they did not find any reason to conclude that dose reconstruction was not feasible. Following Dr. Buchanan's presentation, the Board voted to accept the conclusion in DCAS's Evaluation Report. The Board approved a draft letter to the Secretary, HHS, agreeing that dose reconstruction was feasible, and an SEC class was not warranted.

### **Public Comment**

Members of the public provided comments related to the Pinellas Plant, and the SEC status of Portsmouth, Oak Ridge, and Paducah Gaseous Diffusion Plants. After public comment Dr. Anderson adjourned the meeting at 5:19 p.m.

**Thursday, April 28, 2022**

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## **Summary Proceedings**

The Advisory Board on Radiation and Worker Health meeting convened via teleconference at 1:01 p.m. Eastern Daylight Time (EDT), Dr. Henry Anderson, Chair, presiding.

## **Attendees**

### **Members**

Henry A. Anderson, Chair  
Josie Beach, Member  
Bradley P. Clawson, Member  
R. William Field, Member  
David Kotelchuck, Member  
James E. Lockey, Member  
David B. Richardson, Member  
Genevieve S. Roessler, Member  
Phillip Schofield, Member  
Loretta R. Valerio, Member  
Paul L. Ziemer, Member  
Rashaun Roberts, Designated Federal Official

### **Non-Members, Registered and/or Public Comment Participants:**

Adams, Nancy, NIOSH Contractor  
Barrie, Terrie, ANWAG  
Barton, Bob, SC&A  
Buchanan, Ron, SC&A  
Burgos, Zaida, NIOSH  
Calhoun, Grady, DCAS  
Cardarelli, John, DCAS  
Fester, Joshua, On behalf of Petitioner  
Fitzgerald, Joe, SC&A  
Gogliotti, Rose, SC&A  
Lewis, Greg, DOE  
Naylor, Jenny, HHS OGC  
Nelson, Charles, DCAS  
Rutherford, Lavon, DCAS  
Sisko, Jeannie  
Taulbee, Tim, DCAS

## **Roll Call/Welcome – Dr. Rashaun Roberts, DFO**

Dr. Rashaun Roberts called to order the Advisory Board on Radiation and Worker Health at 1:01 pm EST. A roll call of all ABRWH members confirmed that a quorum was present. The quorum was maintained throughout the meeting. Dr. Roberts noted the agenda includes a discussion of SEC-00188 for Sandia

national Lab, and that Loretta Valerio has a conflict for that site. Ms. Valerio will leave the meeting during that discussion.

## **SEC Petition Status Update & SEC Qualification Process – Chuck Nelson, DCAS**

Mr. Nelson reported that DCAS is in the process of preparing an addendum to the evaluation report for petition SEC-0221 for Lawrence Livermore National Lab for the years 1990 to 1995. Travel for data capture will resume soon, and DCAS is coordinating with Lawrence Livermore to schedule visits. DCAS and SC&A are continuing work on SEC petitions from Hanford, Savannah River, Sandia National Lab, Los Alamos National Lab, Idaho National Lab, Argonne National Lab-West, Area IV Santa Susanna, Metals & Controls, DeSoto Avenue Facility, the Y-12 Plant, and the Pinellas Plant. The Uranium Refining AWE Work Group reported the results of its review of Reduction Pilot Plant at yesterday's session. DCAS continues to evaluate records for West Valley Demonstration Project to decide if an 83.14 petition is warranted for the years 1966-1968.

## **Update on Review of SEC-00188 Sandia Petition Addendum 2; Jan. 1, 1997 – May 21, 2011 – Dr. Henry Anderson, Chair, Sandia Workgroup**

Mr. Chuck Nelson, DCAS presented the history of SEC-00188. The petition was for security personnel who worked in any area of Sandia National Lab for the period January 1, 1963, through May 21, 2011. DCAS's initial evaluation of the petition concluded that internal dose reconstruction was not feasible for any Sandia employee from January 1, 1949, through December 31, 1994, and a class has been added to the SEC for that period. Subsequently, DCAS concluded that internal dose also could not be reconstructed for the period January 1, 1995, through December 31, 1996, and that class has been added to the SEC.

Mr. Nelson then described DCAS's Addendum 2 to the Evaluation Report that addresses the period January 1, 1997, through May 21, 2011. DCAS's conclusion is that doses can be reconstructed for all employees at Sandia for this period because the personal air sampling program illustrated that employees who were not on a bioassay program did not exceed 100 mrem Committed Effective Dose Equivalent in a year.

Next, Joe Fitzgerald, SC&A, described SC&A's review of Addendum 2 to the Evaluation Report. Since earlier DCAS work on SEC-00188 had resulted in the addition of SEC classes, SC&A did not review those efforts. Consequently, their current effort included some review of years before 1997 at Sandia in order to gain a good understanding of the site.

Bob Barton, SC&A, presented the results of SC&A's review of Addendum 2. The review focused on the personal air sampling program because DCAS's conclusion is largely based on that program. SC&A carefully reviewed whether the available personal air sampler data were sufficient to support DCAS's conclusion. Despite the fact that it's impossible to know how much personal air sampler data is not available, it appears that the available data tends to represent more highly exposed workers. Thus, the available personal air sampler data supports a bounding dose estimate for the applicable workers. SC&A agreed with DCAS's conclusion that doses can be reconstructed for the period under consideration. They did, however, question whether current dose reconstruction techniques were adequate in two situations. DCAS is working on resolving these. SC&A and DCAS agree that these issues will not make dose reconstruction infeasible, and so are Site Profile issues, not SEC issues.

At its last meeting the Sandia Workgroup had voted to accept DCAS's conclusion that doses could be reconstructed for the period under consideration, so that was brought as a motion to the full Board. After some discussion, the Board voted to table that motion, so no action was taken on Addendum 2.

## **Subcommittee on Dose Reconstruction Reviews Update & Discussion – Dr. David Kotelchuck, Chair, Subcommittee on Dose Reconstruction Reviews**

Dr. Kotelchuck presented the results of SC&A's evaluation of the Subcommittee's case selection process. Based on SC&A's report the Subcommittee has decided to emphasize certain criteria during case selection. The Subcommittee will broaden the Probability of Causation range, and will pay attention to year of first employment, employment duration, gender, age of completed dose reconstruction, and certain underrepresented sites.

### **Board Work Session**

Dr. Anderson reported that there has been no word about the slate of potential additional Board members that was submitted some time ago. He also reported that the Board's charter was recently renewed, with a new expiration date of September 30, 2023.

The Board discussed public comments from the previous meeting, and Workgroup Chairs reported on recent activities and future plans. Board members discussed difficulties they are having with expiring Smart Cards and Certificates. The pandemic and Cybersecurity Upgrade Initiative have resulted in some problems getting access as desired.

Dr. Roberts reminded attendees of scheduled future meetings: conference call June 15 at 11:00; full meeting August 17 and 18; teleconference October 20; and full meeting December 7 and 8. The Board is hopeful that the August meeting will be in-person near Idaho National Lab, and the December meeting will be near the former Pinellas site. The Board scheduled a teleconference meeting for February 15, 2023, and a full meeting for April 19 and 20, 2023.

### **Meeting Adjourned**

The meeting was adjourned at 4:30 pm EDT.