

Subcommittee for Dose Reconstruction Reviews

Meeting of the Advisory Board on Radiation and Worker Health

April 14, 2021

David Kotelchuck, Ph.D., M.P.H. (Chair); Josie Beach; Bradley P. Clawson; James E. Lockey, M.D., M.S.; David B. Richardson, Ph.D.; Loretta R. Valerio

Profile of Facilities For Which Blind Cases Reviewed (2/25/21)

Number of Blinds Cases Reviewed at Facility	Facilities*
7	Oak Ridge Y-12, Hanford
6	Rocky Flats
4	FMPC, SRS
3	Oak Ridge X-10, NTS, LANL
2	PNNL, Grand Junc., LLNL, Sandia, West Valley, Oak Ridge K25
1	14 others

Years Employed - Blinds Cases

Years Employed	Number (Percent)
Less than 10 years	8 (18%)
10 – 19.9	11 (25%)
20 – 29.	10 (23%)
30 – 39.9	11 (25%)
40- 49.9	4 (9%)
Totals	44 (100%)

Gender of Blinds Cases

- Of 44 blinds cases reviewed by 2/25/21,
 - 11 cases (25 percent) were female, and,
 - 33 cases (75 percent) were male.

The percentage of female claimant cases as of our last Secretary's Report in 2019 was 13.4 percent.

Set 24 Blinds

Blind Case No. (Facility)	POC by SC&A	POC by NIOSH/ORAU
28.	49.50%	51.14%
29.	45.40%	46.25%
30.	47.89%	49.27%
31.	51.61%	51.61%
32.	41.93%	45.89%

Set 26 Blinds

Blind Case No. (Facility)	POC by SC&A	POC by NIOSH/ORAU
33.	50.16%	51.35%
34.	49.43%	50.06%
35.	50.35%	48.65%
36.	45.67%	48.45%
37.	42.31%	46.46%
38.	47.95%	48.44%

Set 28 Blinds

Blind Case No. (Facility)	POC by SC&A	POC by NIOSH/ORAU
39.	50.45%	50.34%
40.	51.32%	51.34%
41.	49.07%	48.81%
42.	49.34%	47.87%
43.	38.33%	49.40%
44.	30.26%	48.25%

Decision Points Requiring Professional Judgement Tracking

(SC&A Memo Dec. 2020)

- Broad Topic- This column documents a larger scale topic to which the professional judgment decision relates. Possible entries include topics such as shallow dose, medical dose, ambient exposure and bioassay interpretation. It is the intent of this column to enable the identification of broader areas of dose reconstruction where professional judgements impact cases.
- Specific Topic- This column documents a more specific topic related to the professional judgement.

Model of Professional Judgement Tracking Option (Set 26, B33-38)

Broad topic	Specific Topic	Document(s)	Additional Information
Shallow Dose	Modeling Choices	ORAUT-OTIB-0017	Difference in judgement on which areas are usually covered by clothing
Ambient Exposure	Employment hours	ORAUT-PROC-0060	Working hours per year when EE reported no overtime
Exposure Risk	Dosimetry Interpretation	NA	Short unmonitored period treatment
External Coworker	Treatment before/after model dates	ORAUT-TKBS-0019-6	PGDP coworker model starts in 1953 with no guidance on 1952
Intake Risk	Environmental vs Coworker	NA	NA