



Special Exposure Cohort Overview

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Purpose

- Update to the Special Exposure Cohort (SEC) petitioners, the public and the Advisory Board on Radiation and Worker Health (ABRWH)
- Provide a summary of SEC Petitions under the Energy Employees Occupational Illness Compensation Program Act (EEOICPA)
 - In Qualification Review
 - Under Evaluation
 - Currently Under Advisory Board Review
 - Potential SEC petitions (under 42 CFR 83.14)

Summary

- Petitions NIOSH received to date – 269^a
 - In qualification review process – 1
 - Qualified for evaluation – 154
 - Evaluations in progress – 1
- Evaluations completed by NIOSH – 153
- Petitions not qualifying for evaluation – 115
- Petitions under ABRWH Review - 10

^a*Includes 5 petitions received prior to the issuance of the SEC regulation*

SEC Petition Under Evaluation

SEC-00267 – United Nuclear Corporation

- Petitioner requested class – 1/1/1958 – 12/31/1973 & residual radiation period 01/01/1974 – 03/01/2011
- Evaluated class: All employees at United Nuclear Corp. (UNC) from 01/01/1958 – 06/30/1965
- NIOSH discovered documentation that Westinghouse found 215 radium-226 contaminated filter press plates in burial pits
- The Evaluation Report is expected to be presented to the full Advisory Board for the December Advisory Board meeting

SEC Petitions under Advisory Board Review (1/6)

SEC-00057 – Hanford

- Work Group (WG) meeting 6/11/2026
- All SEC issues closed except Board Review System issues 14 and 23, which relate to demonstrating data adequacy in the co-exposure model datasets
 - To aid in the closing of the remaining issues, NIOSH is completing a white paper for the WG which shows that plutonium urinalysis records and the Radiological Exposure (REX) database meet data adequacy guidelines from DCAS-IG-006
- Hanford is on the agenda for discussion tomorrow (08/27/2026)

SEC-00103 – Savannah River Site

- A class was added for 1991-1993 for subcontractor construction trade workers

SEC Petitions under Advisory Board Review (2/6)

SEC-0109 – Los Alamos National Laboratory (LANL)

- WG meeting took place on 05/06/2026
- NIOSH presented the following:
 - ORAUT-RPRT-0101 (2023): Bounding intakes of exotic radionuclides
 - ORAUT-RPRT-0102 (2021): Plutonium (Pu) bioassay program
 - ORAUT-RPRT-0103 (2022): Radiological Work Permit (RWP) data review
 - ORAUT-RPRT-0107: Los Alamos Neutron Science Center
 - Discussion of remaining internal dose issues (1996-2005) – response paper, April 2025
 - Weight of Evidence Supports NIOSH's Ability to Bound LANL TA-53 Doses for 1996–2005: Evaluation of Radiological Work Permits
- LANL is on the agenda for discussion tomorrow (08/27/2026)

SEC Petitions under Advisory Board Review (3/6)

SEC-0219 – Idaho National Laboratory (INL)

- Updating Internal Dose Technical Basis Document (TBD) for internal co-exposure implementation
- Responding to WG issues on exposures at burial grounds 1952-1970
- Continuing analysis of OTIB-0054 applicability to Idaho National Laboratory and Argonne National Laboratory West

SEC-00224 – Argonne National Laboratory - West (ANL-W)

- NIOSH presented ORAUT-RPRT-099 (2020): OTIB-0054 applicability for EBR-II and Borax-IV at the last WG meeting

Last INL/ANL-W WG meeting held 12/17/2025

SEC Petitions under Advisory Board Review (4/6)

SEC-00221 – Lawrence Livermore National Laboratory

- Evaluation Report (ER) Addendum: All employees 1990-1995, NIOSH does not recommend adding a class to the SEC
- Presented during 12/5/2024, ABRWH meeting
- SC&A was tasked to review the SEC-00221 Evaluation Report Addendum

SEC Petitions under Advisory Board Review (5/6)

SEC-00235 – Area IV of the Santa Susana Field Laboratory

- NIOSH is working to provide clarification on remaining issues
- Records center data capture completed
- NIOSH performing a review of the documents for relevance to outstanding issues
- Response paper on air data comparison to the co-exposure (CX) model in progress

SEC-00246 – De Soto Avenue Facility

- Records center data capture is completed
- NIOSH performing a review of the documents for relevance to outstanding issues
- Response paper on outstanding issues in progress

SEC Petitions under Advisory Board Review (6/6)

SEC-00250 – Y-12 Plant

- Addendum to the ER was presented in August 2021
- SC&A tasked to review ER addendum in 2021
- SC&A review of ER addendum received July 2025
- NIOSH responses to SC&A review sent to WG on 2/12/2026

SEC-00256 – Pinellas Plant

- Last WG meeting 01/29/2026
 - Pinellas is on the agenda for discussion this afternoon (08/26/2026)

SEC Petitions Awaiting Action (1/2)

Site (SEC Number)	Dates (Class limitation)
Hanford (SEC-0057)	1984-1990 (Prime Contractors)
Savannah River Site (SEC-0103)	1972-2007 (Prime Contractors)
Lawrence Livermore National Laboratory (SEC-0221)	Addendum 1990-1995
Los Alamos National Laboratory (SEC-0109)	1996-2005
Idaho National Laboratory (SEC-0219)	1949-1970

SEC Petitions Awaiting Action (2/2)

Site (SEC Number)	Dates (Class limitation)
Argonne National Laboratory - West (SEC-0224)	1958-1979
Area IV Santa Susana (SEC-0235)	1991-1993
De Soto Avenue Facility (SEC-0246)	1965-1995
Y-12 Plant (SEC-0250)	Addendum 1979-1994
Pinellas Plant (SEC-0256)	1957-1990

Potential SEC Petition

West Valley Demonstration Project (WVDP)

- NIOSH evaluating a potential SEC for the Atomic Weapons Employer (AWE) period 1966-1968
- NIOSH is moving forward with an 83.14 for WVDP

Thank you.

For more information, contact CDC

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