



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)
- Summary of SEC Petitions under the Energy Employees Occupational Illness Compensation Program Act
 - Qualification Review
 - Evaluation
 - Advisory Board Review
 - Potential SEC petitions (under 42 CFR 83.14)

Summary

- Total number of SEC petitions at the National Institute for Occupational Safety and Health (NIOSH): 268^a
- Total classes added to the SEC to date: 132
- Petitions that did not qualify: 113
- Qualified, but not added: 37
- Petitions under ABRWH review: 10

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

SEC Petition Administrative Review

SEC-00266 - Weldon Spring Plant

- Petition received July 2025
- Petition Qualification Review: Not qualified for further evaluation
- Administrative review of the qualification process requested by petitioner representative on 02/03/2026
- Department of Health and Human Services panel (appointed by NIOSH director) reviewed whether qualification process was followed correctly
- NIOSH facilitated document access and answered questions
- NIOSH notified petitioner on 03/13/2026
- Panel conclusion: agrees that petition does not qualify

SEC Petition Under Evaluation

SEC-00267 – United Nuclear Corporation (UNC)

- Petitioner requested class – 1/1/1958 – 12/31/1973 and residual radiation period 01/01/1974 – 03/01/2011
- Evaluated class: All employees at UNC from 01/01/1958 – 06/30/1965
- NIOSH discovered documentation that Westinghouse found 215 radium-226 contaminated filter press plates in burial pits
- NIOSH to prepare a letter to Department of Energy to evaluate whether the existing residual radiation should be extended past 03/01/2011
- NIOSH notified ABRWH of extension required for 180-day deadline

SEC Petitions under Advisory Board Review (1/6)

SEC-00057 – Hanford

- Work Group (WG) meeting 6/11/2026 (planned)
- All SEC issues closed except those related to internal co-exposure modeling efforts
- Data completeness testing is current task of co-exposure development

SEC-00103 – Savannah River Site

- WG meeting on 3/17/2026
- Data sufficiency from 1991-2007
- SC&A presenting reviews on medical and co-exposure Technical Basis Documents (TBDs)

SEC Petitions under Advisory Board Review (2/6)

SEC-0109 – Los Alamos National Laboratory

- WG meeting on 4/24/2026
- NIOSH presented the following:
 - ORAUT-RPRT-0101 (2023): Bounding intakes of exotic radionuclides
 - ORAUT-RPRT-0102 (2021): Pu bioassay program
 - ORAUT-RPRT-0103 (2022): RWP data review
 - Discussion of remaining internal dose issues (1996-2005) – response paper, April 2025

SEC Petitions under Advisory Board Review (3/6)

SEC-0219 – Idaho National Laboratory

- Last WG meeting 12/17/2025
 - NIOSH presented ORAUT-RPRT-0099 (2020): OTIB-0054 applicability for EBR-II and Borax-IV
 - SC&A presented review of ORAUT-RPRT-0099
- Updating Internal Dose 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

- Last WG meeting 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 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
- Environmental Management Consolidated Business Center (EMCBC) data capture completed
- NIOSH performing a review of the documents for relevance to outstanding issues
- Response paper on air data comparison to Co-exposure model in progress

SEC-00246 – De Soto Avenue Facility

- EMCBC 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
- NIOSH responding to additional submission by petitioner representative
- NIOSH working with WG on providing reference information to help answer outstanding questions

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)
Savannah River Site (SEC-0103)	1991-2007 (Subcontractors)
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 Susanna (SEC-0235)	1991-1993
De Soto Avenue Facility (SEC-0246)	1965-1995
Y-12 Plant (SEC-0250)	1979-1994
Pinellas Plant (SEC-0256)	1957-1990

Potential 83.14 SEC Petition

West Valley Demonstration Project

- NIOSH evaluating a potential SEC for the Atomic Weapons Employer period 1966-1968

Thank you.

For more information, contact CDC

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