



# Special Exposure Cohort Petition Status Updates

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**Advisory Board on Radiation and Worker Health, 149<sup>th</sup> Meeting**  
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# Purpose

- Update to the petitioners, general public, and the Advisory Board on Radiation and Worker Health (Advisory Board)
- Special Exposure Cohort (SEC) summary of petitions
  - in qualification
  - under evaluation
  - currently under Advisory Board review
  - potential SEC petitions (83.14)

# Summary

- Petitions received – 260<sup>a</sup>
  - In qualification process – 0
  - Qualified for evaluation – 153
  - New Evaluations in progress – 0
  - Evaluations completed – 153
- Reports with the Advisory Board – 10
- Petitions not qualifying for evaluation – 107

*<sup>a</sup>Includes 5 petitions received prior to the issuance of the SEC regulation.*

# SEC Petitions under Evaluation

- Lawrence Livermore National Laboratory 1990-1995
  - Livermore, CA
  - Petition SEC-0221
  - Addendum to address remaining years for all employees
  - The NIOSH team performed an on-site data capture in September 2022
    - Currently awaiting the completion of classification review of data sets from LLNL.

## Under Advisory Board Review (1/7)

- Hanford (SEC-0057) – All SEC issues are closed except those related to current ongoing co-exposure modeling efforts
- Savannah River Site (SEC-0103) – NIOSH is working to resolve issues raised by Sanford Cohen & Associates (SC&A) and the Work Group
  - NIOSH is responding to five issues raised by SC&A in their review of RPRT-0092
    - WG meeting is in the works for March 2023

## Under Advisory Board Review (2/7)

- Los Alamos National Laboratory (SEC-0109) – NIOSH working to resolve issues raised by SC&A and the Work Group
  - The LANL WG met on 03/23/22 where NIOSH Presented:
    - ORAUT-RPRT-0102, “*Assessment of Los Alamos National Laboratory Plutonium Bioassay Programs 1996 to 2001*”
    - ORAUT-RPRT-0101, “*Bounding Intakes of Exotic Radionuclides at Los Alamos National Laboratory*”
      - SC&A was assigned to review both Report 101 and 102

## Under Advisory Board Review (3/7)

- In Sept 2022, NIOSH submitted RPRT-0103, “*Review of Potential Exposure to Exotic Radionuclides Using Radiation Work Permit Data at Los Alamos National Laboratory*” to the WG for review
- Idaho National Lab (SEC-0219) - NIOSH is working to resolve issues raised by SC&A and the work group.
  - A data capture trip to INL is to be performed the week of 12/12/22

## Under Advisory Board Review (4/7)

- Argonne National Laboratory West (SEC-0224) - NIOSH is working to resolve issues raised by SC&A and the work group.
- Area IV Santa Susanna (SEC-0235) - NIOSH is waiting on records to be released from the records center and the record center to allow visitors
  - The DOE record center EMCBC is open but restricting visitor access at this time.
  - In the meantime, EMCBC has been digitizing records and sending them to DCAS for review.



## Under Advisory Board Review (5/7)

- Metals and Controls (SEC-0236) – With the M&C Work Group
  - SC&A completed a review of the NIOSH proposed dose reconstruction approach
  - NIOSH responded to the issues in the SC&A review
  - NIOSH is preparing a response to a more recent Metals and Controls SC&A review
    - Expected to go to the WG in January 2023

## Under Advisory Board Review (6/7)

- De Soto Avenue Facility (SEC-0246) - NIOSH is working to provide clarification on a remaining issues
  - The DOE record center EMCBC is open but restricting visitor access at this time.
  - In the meantime, EMCBC has been digitizing records and sending them to DCAS for review.

## Under Advisory Board Review (7/7)

- Y-12 Plant (SEC-0250) - Addendum to the ER was presented in the August 2021 AB meeting
  - SC&A was assigned to perform a review of the ER
- Pinellas Plant (SEC-0256) - NIOSH discussed the ER at the December 2021 Advisory Board meeting
  - SC&A was assigned to perform a review of the ER

# Sites With Evaluation Period Awaiting Action (1/3)

Site (SEC Number)	Date
Hanford (SEC-0057)	1984-1990 (Prime Contractors)
Savannah River Site (SEC-0103)	1972-2007 (Prime Contractors)
Savannah River Site (SEC-0103)	1990-2007 (Subcontractors)

# Sites With Evaluation Period Awaiting Action (2/3)

Site (SEC Number)	Date
Los Alamos National Laboratory (SEC-0109)	1996-2005
Idaho National Laboratory (SEC-0219)	1949-1970
Argonne National Laboratory - West (SEC-0224)	1958-1979
Area IV Santa Susanna (SEC-0235)	1991-1993

# Sites With Evaluation Period Awaiting Action (3/3)

Site (SEC Number)	Date
Metals and Controls (SEC-0236)	1968-1997 (Residual Period)
De Soto Avenue Facility (SEC-0246)	1965-1995
Y-12 (SEC-0250)	1979-1994
Pinellas (SEC-0256)	1957-1990

# Potential SEC Petition

- West Valley Demonstration Project
  - NIOSH evaluating a potential SEC for the Atomic Weapons Employer (AWE) period 1966-1968

**Questions?**





For more information, contact CDC  
1-800-CDC-INFO (232-4636)  
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The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

