

Special Exposure Cohort Updates

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Advisory Board on Radiation and Worker Health

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Purpose

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

Summary

- Petitions received - **236**
 - Petitions in qualification process - **1**
 - Petitions qualified for evaluation - **143**
 - NIOSH evaluation in progress - **2**
 - NIOSH evaluation completed - **141**
- Reports with the Advisory Board - **11**
- Petitions not qualifying for evaluation - **87**

(NOTE: **236** does not include **5** petitions received prior to the federal regulation)

Area IV of the Santa Susana Field Laboratory

- In qualification process
- Ventura County, CA
- Petition SEC-00235
- All employees for the time period December 31, 1964 - present

Los Alamos National Laboratory 1996-2005

- Los Alamos, NM
- Petition SEC-00109
- Addendum to original evaluation
- All employees
- Expected completion: February 2017

Sandia National Laboratory 1995-2005

- Albuquerque, NM
- Petition SEC-00108
- Addendum to address remaining years
- All employees
- Expected completion: June 2017

Lawrence Livermore National Laboratory 1990-2014

- Livermore, CA
- Petition SEC-00221
- Addendum to address remaining years
- All employees
- Expected completion: August 2017

Idaho National Laboratory 1949-1970

- Idaho Falls, ID
- Petition SEC-00219
- Addendum to address reserved areas
- All employees
- Expected completion: January 2017

Metals & Controls (Residual Period)

- Attleboro, MA
- Petition SEC-00236
- All employees
- January 1, 1968 – March 1, 1997
- Expected completion: June 2017

Petitions under Advisory Board Review

- Carborundum – work group update scheduled for this meeting
- Feed Materials Production Center (Fernald, SEC-00046) – NIOSH is revising the site profiles to address the remaining issues, expected completion: December 2016

Under Advisory Board Review - cont.

- Hanford (SEC-00056) – the petition period ends in 1990
 - NIOSH reviewing documentation to determine whether prime contractors radiological control program were meeting bioassay commitments
- Area IV of the Santa Susanna Field Laboratory (SEC-00093) – year 1965 is being addressed with SEC-0234 being presented at this meeting

Under Advisory Board Review - cont.

- Savannah River Site (SEC-00103) – NIOSH and Sanford Cohen & Associates (SC&A) update is scheduled for this meeting
- Los Alamos National Lab (SEC-00109) – NIOSH update is scheduled for this meeting

Under Advisory Board Review - cont.

- Grand Junction Facilities (SEC-00175) – additional data capture and interviews are required to address recent SC&A findings
- Rocky Flats Plant (SEC-00192) – main issue remaining is exposure to mixed fission and activation products from the Critical Mass Laboratory
 - NIOSH developing a white paper to address comments on previous exposure model
 - White paper expected completion: December 2016

Under Advisory Board Review - cont.

- Idaho National Lab (SEC-00219) – Advisory Board reviewing proposed class and initial evaluation report (ER)
 - NIOSH is working on an Addendum to address the reserved areas of the initial ER
 - Expected completion: December 2016
- Argonne National Laboratory - West (SEC-00224) – Advisory Board and SC&A reviewing ER

Sites with remaining evaluation periods awaiting action

Feed Materials Production Center (Fernald), SEC-00046	1984-1989	Hanford, SEC-00057	1984-1990 (Primes only)
Santa Susana Field Laboratory, SEC-00093	1965	Savannah River Site, SEC-00103	1973-2007
Los Alamos National Laboratory, SEC-0109	1996-2005	Grand Junction Facilities, SEC-00175	1986-2010
Sandia National Laboratories – Albuquerque, SEC-00188	1995-2011	Rocky Flats Plant, SEC-00192	1984-1989
Idaho National Laboratory, SEC-00219	1949-1970	Argonne National Laboratory – West, SEC-00224	1958-1979
Lawrence Livermore National Laboratory, SEC-00221	1990-2014	Carborundrum, SEC-00223	1943-1976



Potential Petitions (83.14)

- Sandia National Laboratories – Albuquerque (1945-1948)
- Dayton Project Monsanto (modify based on change in facility designation)
 - Changed to a Department of Energy facility
 - Add the 9-month period when operations were being shifted from “The Dayton Project” to Mound