



Special Exposure Cohort (SEC) Update

Charles Nelson
SEC Team Lead

Advisory Board on Radiation and Worker Health, 139th Meeting
Teleconference | April 15, 2021

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 Advisory Board review
 - potential SEC petitions (83.14)

Summary

- Petitions received – **258**^{*}
 - Petitions in qualification process – **0**
 - Petitions qualified for evaluation – **153**
 - NIOSH new petition evaluations in progress – **1**
 - NIOSH evaluation completed – **152**
- Reports with the Advisory Board – **12**
- Petitions not qualifying for evaluation – **105**

*NOTE: 258 includes 5 petitions received prior to the issuance of the SEC regulation

SEC Petitions under Evaluation

- Pinellas Plant 1957-1990
 - Clearwater, FL
 - Petition SEC-0256
 - All employees
 - Expected ER completion: Late June 2021
 - Targeting Aug. AB meeting to Present ER

SEC Petitions under Evaluation (cont.)

- Lawrence Livermore National Laboratory 1990-2014
 - Livermore, CA
 - Petition SEC-0221
 - Addendum to address remaining years
 - All employees
 - Expected addendum completion: Projecting Oct. 2021
 - Delays in data capture at the site may affect completion

SEC Petitions under Evaluation (cont.)

- Y-12 Plant 1987-1994
 - Oak Ridge, TN
 - Petition SEC-0250
 - Addendum to ER addressing remaining years
 - All employees
 - Projected Addendum completion: July 2021

Under Advisory Board Review

- Hanford (SEC-0056) – All SEC issues are closed except those related to current ongoing Co-exposure modeling efforts
- Savannah River Site (SEC-0103) – Discussion for SRS will follow this presentation
- Los Alamos National Lab (SEC-0109) – NIOSH working to resolve issues raised by SC&A and the work group
- Sandia National Laboratory (SEC-0188) – NIOSH is completing a response to SC&A review of the SNL-A Addendum 2

Under Advisory Board Review (cont.)

- Idaho National Lab (SEC-0219) – NIOSH is working to resolve issues raised by SC&A and the work group
- 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 EMCBC
- Metals and Controls (SEC-0236) –An update is scheduled today's meeting

Under Advisory Board Review (cont.)

- De Soto Avenue Facility (SEC-0246) – NIOSH is working to provide clarification on a few remaining issues; NIOSH is waiting on records to be released from EMCBC
- Reduction Pilot Plant (SEC-0253) – The work group and SC&A are reviewing the NIOSH evaluation report

Sites with evaluation period awaiting action

- Hanford (SEC-0057) 1984-1990
(Primes only)
- Savannah River Site (SEC-0103) 1973-2007
- Los Alamos National Laboratories-A (SEC-0109) 1996-2005
- Sandia National Laboratory (SEC-0188) 1997-2011
- Idaho National Laboratory (SEC-00219) 1949-1970

Sites with evaluation period awaiting action (cont.)

- Lawrence Livermore National Lab (SEC-0221) 1990-2014
- Argonne National Laboratory – West (SEC-0224) 1958-1979
- Area IV Santa Susanna (SEC- 0235) 1991-1993
- Metals and Controls (SEC- 0236) 1968-1997 (Res)
- De Soto Avenue Facility (SEC-0246) 1965-1995
- Y-12 (SEC-0250) 1987-1994
- Reduction Pilot Plant (SEC-0253) 1976-1978

Potential SEC Petitions (83.14)

- West Valley Demonstration Project
 - NIOSH evaluating a potential SEC for the AWE period 1966-1968

Questions?