



SEC-00246 De Soto Avenue Facility Update

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Overview

- Site Background and Petition History
- NIOSH Responses to SC&A Review of SEC-00246 Evaluation Report
- Questions and Discussion

Site Background and Petition History

De Soto Avenue Facility



- Located at 8900 De Soto Avenue, Canoga Park, CA
- De Soto: DOE (1959-1995); Remediation (1998)
- Two buildings involved in radiological work
 - Bldg. 001 - Fuel fabrication
 - Bldg. 004 - R&D
 - Gamma Irradiation Facility
 - Helium Mass Spectrometry Lab

Petition History

Petition	Status	Basis
SEC-00246 (De Soto)	With ABRWH (no class recommended by NIOSH)	DR is feasible for 1965 - 1995
SEC-00168 (De Soto)	Class added to SEC	All employees, 1959 – 1964, internal DR infeasibility

SEC-00246 Overview

- Petition Received: December 2017
- SEC Evaluation Report presented to the ABRWH: August 2018
- NIOSH evaluated class: *All workers who worked at the De Soto Avenue Facility in Los Angeles County, CA during the period from January 1, 1965 through December 31, 1995*
- NIOSH recommended class: None
- SC&A Review of SEC-00246 issued in December 2018

- Main issue: Did De Soto facility have the same issue with Am and Th that made SEC-00234 at Area IV an SEC class

NIOSH and SC&A Documents

- SEC-00246 Evaluation Report (De Soto), July 2018
- Review of SEC-00246 Evaluation Report, December 2018
- NIOSH Response to SC&A Review of SEC-00246 Evaluation Report, May 2019
- Summary of Worker Interviews from 2018 and 2019 in Support of SEC-00246, July 2020

NIOSH Responses to SC&A Review of SEC-00246 Evaluation Report

NIOSH Response to SC&A Review of SEC-00246

- 4 Findings and 6 Observations
- Finding 1: Gaps in Documentation: HP logbooks, permits, smear and air surveys
 - NIOSH agrees, but has to prioritize data capture efforts
- Finding 2: Contaminated container in hood
 - Indications are that spent fuel was not used at De Soto
- Finding 3: Mass Spec Lab drain had ^{241}Am contamination
 - Analytical lab contamination, not indication of process levels of ^{241}Am
- Finding 4: Additional Interviews suggested
 - Completed

NIOSH Response to SC&A Review of SEC-00246 (De Soto) – cont.

- Obs.1: ^{241}Am source material present, but no evidence of fabrication
- Obs. 2: TRUMP-S material shipped to site, but no evidence of unencapsulated ^{241}Am handling
- Obs.3: ^{241}Am present in smoke detectors at De Soto
 - Obs. 1-3: No NIOSH response needed
- Obs. 4: 1977 license document U isotope information
 - No indication that U-236 was present on site
- Obs. 5: Thorium dose assignment details
 - TBD issue, needs to be detailed in TBD revision

NIOSH Response to SC&A Review of SEC-00246 (De Soto) – cont.

- Obs. 6: Additional Thorium operations not addressed
 - TBD issue - additional information will be added if available
- Obs. 7: Possible interview candidates could be found from EPA effort in 2011
 - This was looked into and followed up on
- ABRWH identified issue: NIOSH to clarify listing of Am and Th nuclides reported in stack emissions at De Soto
 - Isotopic analyses reported by a commercial vendor
 - None of the effluent levels above MPC, not indicative of process levels of Am or Th at De Soto

Questions and Discussion