

# Update on SEC-0221: Lawrence Livermore National Laboratory (review period 1974-1995)

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# Purpose

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- Update the Advisory Board on the Status of SEC-0221
  - Previous SEC classes
  - Status of the current review process
  - Discussion on missing in vivo counts in the claimant records for LLNL



# Previous SEC Actions at LLNL

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- LLNL has been the subject of two SEC evaluation reports
- SEC-0092 was subsumed by SEC-0163 which extended the coverage to include all employees (instead of personnel with external dosimetry) at LLNL
  - January 1, 1950 to December 31, 1973
  - Includes all employees



# SEC-0221

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- Qualified December 31, 2014
  - Expected Completion: February 2016 for presentation at the March Advisory Board meeting
  - The focus of the review, as with many other National Laboratories, is related to exotic radionuclide usage and monitoring practices



# Progress

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- LLNL, local DOE and DOE HQ have been very cooperative with site access, interviews and tours and vocal support for the process
- 8 data captures have been completed since January 2015, one is going on this week and another is expected during December (so 10 expected in 2015)
- A large number of these involved classified interviews and review of classified documents that will likely always remain classified
- However a large volume of relevant data was captured to add to the information previously collected for TBD development and SEC evaluations



# Progress

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- The substantial body of unclassified information that was recently provided has created a delay
- NIOSH is currently using a substantial part of the ORAUT team Health Physics staff to review hundreds of thousands of pages of new information and for use in the SEC evaluation
- The new information includes 7,400 new individual documents which represents an increase to the total documentation for NIOSH for LLNL by 62%
- The information obtained from the classified interviews and materials reports will be developed into an unclassified materials for use in the evaluation report similar to the Hanford approach



# Progress

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- NIOSH, ORAUT and ATL worked with the unions and also LLNL to further focus on workers who may have been under represented in other interviews (such as electricians, plumbers, and other trades who were sub-contractors)
- Many of these are unclassified and are being reviewed by the site for release to NIOSH
- Additionally, on November 17 an outreach meeting describing the NIOSH SEC process and areas where we are focusing
- SC&A has participated in almost every data capture effort (exceptions being related to categorizing MC&A records) because most of the visits have been classified and unlikely to be easily repeated



# *In Vivo* Records Issue

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- ORAU noticed a discrepancy between the expected data identified in log books of *in vivo* counting and actual data provided for cases by LLNL
- ORAUT and LLNL reviewed the original case files at LLNL and determined that the data did indeed exist and that it had not been included in the submitted packet for the case
- ORAUT has undertake the effort to use the in vivo counting log books (there are 300-400 individuals counted per year) to identify cases with missing information
- This process is ongoing as LLNL is providing more recent log books and supplementing log books which had some scanning errors
- To date 186 cases have been identified as having missing data



# Questions?

