



Status of Brookhaven National Lab SEC and Site Profile Issues

Josie Beach, WG Chair

Henry A. Anderson, M.D.

Brad Clawson

Wanda I. Munn

Genevieve S. Roessler, Ph.D.

Status: SEC Issues

- SEC's approved for all BNL employees under §83.14 for 1947–1979, 1980–1993 based on lack of adequate internal dose records.
- WG focus turned to validating “end-date” of SEC concern over inadequate records; SC&A evaluated 5 sample claimant cases to evaluate data adequacy.
- WG closed out issue following NIOSH substantiation of data adequacy for 5 sample cases.
- WG closed out remaining SEC issues with NIOSH verification of BNL electronic database (March 2013 ABRWH meeting).

Status: Site Profile Issues

1. Bioassay Monitoring Not Adequately Established – ***closed***
2. Records of Bioassay Monitoring Not Centralized or Knowingly Complete – ***closed***
3. Minimum Detectable Activity and Uncertainty Values Not Sufficiently Defined – ***recommend closure***
4. Radionuclide Characteristics Not Sufficiently Known – ***recommend closure***
5. No Internal Coworker Dose Database Available – ***closed***
6. NTA Threshold Response Not Sufficiently Investigated – ***open***
7. NTA Track Fading Not Covered in the Site Profile – ***recommend closure***
8. NTA/TLD/Lexan/CR-39 Problems need addressed – ***recommend closure***

Status: Site Profile Issues (cont'd)

9. Potential Exposures at Accelerators Not Sufficiently Covered – ***recommend closure***
10. External Coworker Dose Data Not Addressed – ***recommend closure***
11. Incidents and Unanticipated Events Not Addressed – ***recommend closure***
12. Potential Environment Exposures from Igloo Area Not Addressed – ***recommend closure***
13. The Site Profile has Inadequately Characterized the Number and Types of X-rays Received by BNL Employees in Early Years.
(3 items to be addressed)– ***Items 2 and 3 recommend closure; Item 1 open***

Site Profile Issues: Summary

- NIOSH responded to SC&A updated issues matrix
- Resolution achieved on 11 of 13 issues, which either have been closed or awaiting closure by WG.
- Issue 6 (low-energy neutrons) is currently being addressed by NIOSH. SC&A will review NIOSH's recommendations when they are made available.
- Issue 13 (medical x-rays), Item 3, is being corrected by the addition of appropriate text describing Table 3-4 in the revised BNL TBD.