

- 1 • environmental issues – cleanup may result in greater impacts to the environment than already exist.
2 For example, the risk of accidental releases to the environment during retrieval of waste from old
3 burial grounds might be larger than the risk to the environment from capping the waste in place.
4

5 These limitations result in some hazards remaining after cleanup activities are complete. Since some
6 hazards will remain, continued efforts are needed to monitor the hazards and deal with any problems that
7 occur. These post-cleanup activities are referred to as long-term stewardship.
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9 Specific long-term stewardship activities are dependent on rules and regulations under which the
10 specific cleanup and post-cleanup activities are performed and the specific hazards that remain. Long-
11 term stewardship activities are intended to continue isolating hazards from people and the environment.
12 Specific long-term stewardship activities can include:
13

- 14 • monitoring to verify the integrity of caps placed over disposal sites
15 • maintaining caps to ensure their continued integrity
16 • monitoring groundwater and the vadose zone to determine whether systems to contain hazards are
17 performing as expected
18 • monitoring for surface contamination
19 • monitoring animals, plants, and the ecosystem
20 • performing groundwater pump-and-treatment operations
21 • installing and maintaining fences and other barriers
22 • posting warning signs
23 • establishing easements and deed restrictions
24 • establishing zoning and land use restrictions
25 • maintaining records on clean up activities, remaining hazards, and locations of the hazards
26 • providing funding and infrastructure (e.g., utilities, roads, communication systems)
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28 **2.3 References**

29
30 10 CFR 61.55. “Licensing Requirements for Land Disposal of Radioactive Waste.” U.S. Code of
31 Federal Regulations. Online at: http://www.access.gpo.gov/nara/cfr/waisidx_01/10cfr61_01.html.

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33 10 CFR 71. “Packaging and Transportation of Radioactive Material.” U.S. Code of Federal Regulations.
34 Online at: http://www.access.gpo.gov/nara/cfr/waisidx_01/10cfr71_01.html.

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36 10 CFR 962. “Byproduct Material.” U.S. Code of Federal Regulations. Online at:
37 http://www.access.gpo.gov/nara/cfr/waisidx_02/10cfr962_02.html.

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39 40 CFR 761. “Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution In Commerce,
40 and Use Prohibitions.” U.S. Code of Federal Regulations. Online at:
41 http://www.access.gpo.gov/nara/cfr/waisidx_01/40cfr761_01.html.
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