

PUBLIC

**US Department of Energy Office of Legacy Management
Durita, CO, UMTRCA Title II Site
Long-Term Surveillance and Maintenance
Annual Cost Estimate Summary**

Long-Term Surveillance and Maintenance Activities	Annual Cost	Assumptions
LMSP Site Management	\$8,451.67	Management of the Durita site is conducted to accomplish the Department of Energy's post-closure mission that ensures the future protection of human health and the environment. As a DOE property asset, tasks include routine budgeting, scheduling, reporting, property management, records management, and stakeholder communications. Examples are revision and maintenance of the DOE public website, and other required activities not specific to a site inspection. Site management costs are based on an average of FY 2019 and FY 2020 actual site management costs at the Edgemont disposal site, a Title II site of similar size and scope.
LMSP Site Inspection	\$6,244.43	The cost estimate is based on 2 inspectors to perform the annual inspection. Labor includes 12 hours for preparation, 8 hours for travel, 12 hours for conducting the inspection, and 32 hours of reporting and data management. A DOE required condition assessment survey (CAS) of real property assets is required every five years. This task requires one day onsite for 2 inspectors. Labor includes 8 hours travel and 12 hours inspection (annualized to 4 hours per year). Total labor hours estimated to be 68 hours. Estimated labor hours are based on average actual inspection hours at the Edgemont disposal site.
Maintenance	\$3,526.97	Estimate assumes the following maintenance needs: Assume minor repairs will be made either during inspection or during vegetation control visit. Labor includes planning, preparation, subcontractor procurement, environmental compliance, travel, performing maintenance. Total labor hours estimated to be 196 per fence replacement (annualized). Based on labor estimate used for a proposed future fence replacement project at the similarly-sized Falls City disposal site in the life-cycle baseline (3.92 hours annualized).
Vegetation Control	\$2,985.88	Noxious weed control self-performed by DOE annually and may include minor site maintenance actions.
15% Contingency	\$3,318.96	A 15% contingency fee has been included to cover costs for unplanned events. This could include unforeseen impacts of climate change. This could include storm water erosion, repairs to access routes, or replacement of damaged survey markers. As an example, a follow-up inspection may be required after a wildfire due to the possibility of increased erosion or to investigate and repair damage caused by firefighting efforts, such as reseeding firebreaks. Criteria for follow-up inspections as required in the LTSP are defined in 10 CFR 40.28 (b)(4). The 15% value is based on the contingency fee required by NRC for licensee contingency in NUREG-1620, Rev. 1, Appendix C (Section VII).
NRC Oversight	\$3,340.80	The NRC direct support license fee is based on the estimated times needed for document reviews and site visits. The estimate of required time was provided to DOE by NRC for the Split Rock site and was adjusted with 2021 rates.
Total long-term surveillance and maintenance cost	\$27,868.70	