

**US Department of Energy Office of Legacy Management
Split Rock, WY, 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	Direct Cost: \$7,352.32 Indirect Cost: \$6,325.20	Routine costs required to perform project management activities as a DOE operated and managed site. Activities include routine budgeting, scheduling, reporting, property management, records management and stakeholder communications and other activities necessary as a DOE owned property asset; total time estimated to be 102 hours. Indirect costs estimated using the average of historical indirect rates.
LMSP Site Inspection	Direct Cost: \$9,461.43 Indirect Cost: \$8,249.88	Three DOE contractor staff will perform the annual inspection in two days once every five years and in one day all other years. Activities include preparation, travel hours on site, and reporting; total time estimated to be 115 hours. Travel costs include lodging, per diem, and General Services Administration (GSA) vehicle. FY2021 GSA vehicle rate for a 4x4 vehicle was used for the calculation. Indirect costs estimated using the average of historical indirect rates.
LMSP Groundwater and Surface Water Monitoring	Direct Cost: \$6,520.39 Indirect Cost: \$5,837.81	Sampling annually at 11 groundwater locations and four surface water location for first five years. Thereafter, sampling performed every three years. Labor for two samplers includes preparation, travel, sampling, coordination with analytical laboratory, validation of the data, reporting results, and managing data. Total labor hours estimated to be 130 hours per sampling event. Travel costs include lodging, per diem, and GSA vehicle. FY2021 GSA vehicle rate for a 4x4 vehicle was used for the calculation. Periodic monitoring program evaluation performed once after 17 years, then every 12 years thereafter. Total labor hours estimated to be 132 hours per evaluation. Indirect costs estimated using the average of historical indirect rates.
Maintenance	Direct Cost: \$16,239.58 Indirect Cost: \$14,629.45	Estimate assumes the following maintenance needs: replacement of one perimeter sign every year, work performed by DOE contractor staff during annual inspection, including material cost only; well bladder pump replacement once every 20 years with installation being performed by two sampling staff during annual sampling; well redevelopment performed once every five years by two sampling staff during annual sampling; 12,500 linear foot of fencing is replaced once every 50 years by a subcontractor managed and procured by DOE contractor staff, including lodging and per diem for two construction oversight visits, and a GSA vehicle; monitoring wells are replaced once every 30 years by a subcontractor managed and procured by DOE contractor staff, with lodging and per diem for one DOE contractor staff for construction oversight, over 10 days. FY2021 GSA lease rate for a 4x4 vehicle was used for the calculation. Noxious weed control is DOE contractor-performed annually, including lodging and per diem for three staff, and GSA vehicle; Rangeland health assessment is DOE contractor-performed once every three years in conjunction with noxious weed control. The FY2021 GSA lease rate for a 4x4 vehicle was used for the calculation. Indirect costs estimated using the average of historical indirect rates.
15% Contingency	Direct Cost: \$5,936.06 Indirect Cost: \$5,649.94	A 15% contingency fee has been included to cover costs for unplanned events such as storm water erosion or follow-up inspection as required in the LTSP and 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). Indirect costs estimated using the average of historical indirect rates.
NRC Oversight	Direct Cost: \$3,236.40	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. The NRC direct support license fee (10 CFR 170) is based on an estimate NRC provided to DOE that 5 hours will be needed annually to review documents for this site. NRC also conducts a site visit at least once every five years in conjunction with the DOE annual inspection. An estimated 33 hours will be required to perform and document the NRC site visit. The NRC labor rate published in the Federal Register on June 19, 2020 (Revision of Fee Schedules; Fee Recovery for Fiscal Year 2020, Final rule) was used for the calculation.
Total long-term surveillance and maintenance cost	\$89,438.47	Reflects annual estimated cost
Total pretransition cost	\$385,226.51	Includes unburdened direct cost incurred over the last two years of pretransition activities (as described in DOE's "Process for Transition of Uranium Mill Tailings Radiation Control Act Title II Disposal Sites to the U.S. Department of Energy Office of Legacy Management for Long-Term Surveillance and Maintenance (April 2016)"). Period begins April 1, 2019 and ends March 30, 2021.