

黄土高原处置高放废物的初步可行性论证

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摘要 通过对陕甘黄土高原的地质调查、老黄土和红粘土岩的物理力学性质试验、渗透系数测定、热学特性试验及核素吸附和滞留性能试验,论证了黄土高原处置高放废物的可行性,并对今后深入研究提出建议。研究结果表明在红粘土岩层中或老黄土层中处置高放废物,比国外正在研究的深岩层和粘土层处置具有较大优越性。

关键词 [黄土](#) [黄土高原](#) [高放废物处置](#)

分类号

PRELIMINARY FEASIBILITY ANALYSIS OF HLRW DISPOSAL IN LOESS PLATEAU

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Abstract According to the results of geological investigation of the loess plateau in Shanxi and Gansu province, the test results of physics and mechanics performances, penetration factors, thermal conductivities of the loess and red clay rock, the disposal feasibility of HLRW in loess plateau was proved and recommendation for further studies was proposed. The results showed that disposal of HLRW in the red clay rock or old loess formation would be more safe than in deep hard rock formation or clay formation that is being studied in other countries.

Key words [Loess](#) [Loess plateau](#) [High level radiowaste disposal](#)

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扩展功能

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