

عنوان مقاله:

Heavy metal removal from drilling fluid wastes: An Overview

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خلاصه مقاله:

Liquid drilling fluid is often called drilling mud is heavy, viscous fluid mixture use to carry rock cuttings to the surface and lubricate and cool the drill bit. During carrying cutting they contaminated which not only reduced their functionality but also make them a hazardous and dangerous wastes which cannot be discharged anywhere without treatment. Due to this fact, in the presents study, a brief account of recent developments and technical applicability of different treatment methods for heavy metal removal is reviewed with a particular focus on nanomaterial adsorbent for the drilling wastes treatment methods for heavy metal removal is reviewed with a particular focus on nanomaterial adsorbent for the drilling wastes treatment in oil and gas industry and include a case study in the region of azadegan formation. The challenges that face future trends of nanomaterial applications in the oil and gas drilling industry are also discussed.

کلمات کلیدی:

Drilling fluid, Nanomaterial, Adsorbent

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