LASER decontamination of metallic

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ABSTRACT

Within the next years, the volume of metallic contaminated with radiocluclides will get higher. In that way, the development of new efficient decontamination methods appears to be a promising challenge for industrials as AREVA. Today, even if a few methods already exist, some of them point out a lack of efficiency and for the others, a production of secondary waste not compatible with the actual requirements. Based on this observation, we started the study of a new process based on the LASER technology. This technology is very promising in terms of effectiveness and waste minimization. Since a couple of years we went through an intensive experimental program (including active and non active tests, metallographic observations…) to fully describe this technology and also to prove its interest for our industry.