

## 铀同位素浓缩设施的退役处理

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**摘要** 1985年9月至1986年12月完成了一套铀同位素浓缩试验设施的退役。本次退役属第三类退役形式,要求设施全部拆除迁离,厂房改作其它用途。退役活动包括:设施拆除、部件拆卸解体、包装、运输、去污、辐射监测、废物管理及物资处理。依靠以化学方法为主,辅以机械的和熔炼方法的去污手段,使1300吨金属部件表面污染水平降至允许限值以下。退役废物总量约50吨。监测结果表明,退役活动未造成对人员、环境明显影响。

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分类号

## THE DECOMMISSIONING OF A FACILITY FOR URANIUM ISOTOPE ENRICHMENT

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**Abstract** A decommissioning action of the pilot facility for uranium isotope enrichment was taken in 1985.9-1986. 12. It's the stage 3 decommissioning, requiring the building to be released for unrestricted use; all equipments to be removed from the site, and decontaminated to acceptable level. This decommissioning action include: dismantling the units, disassembly of the parts of plant, package, transport, decontamination, radiation monitoring, waste management, and treatment of materials. Decontamination is implemented mainly by chemical process, while using mechanical and smelting methods as supplementary measure. More than 1300 tons of metal parts are decontaminated with positive effect. Event waste is about 50 tons. Monitoring on personnel, work site, and environment suggested that risks produced from decommissioning are insignificant.

**Key words** [Decommissioning](#) [Decontamination](#) [Smelting](#) [Residual radioactivity limit](#)

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