

輻射事件應變技術開發研究(1/4)

Research on The Emergency-Response Technology for The Radioactive Events(1/4)

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摘要

為提供輻射災害緊急應變防災、救災人員之教育訓練與應變所需資源，本計畫擬建置輻災防救訓練研發中心基地，解決現今輻射災害防救訓練場所、裝備與教材不足之問題，研擬國內輻射彈爆炸事件應變策略，透過開發應變所需之遠端遙控輻射偵檢技術，以及核子事故以外類型之輻射災害管理技術與平台，擴大輻射災害的應變效益及效能。針對前述目的，本計畫執行工作包括：

1. 強化輻射應變技術
2. 完備應變設備整備相關作業及其作業程序 SOP
3. 輻射事件應變技術開發與研究(放射性物質擴散分析能力建立)
4. 開發遠端遙控行動式輻射偵測平台、應變資訊平台

關鍵詞：輻射災害、緊急應變

Abstract

In order to provide the education, training and resources of radiation disaster response and disaster relief personnel, this project plans to build a radiation disaster prevention and rescue training research and development center to help solve the current shortage problems of radiation disaster prevention and rescue training sites, equipment and teaching materials. This project also plans to expand the effectiveness of response to radiation disasters by developing domestic dirty bomb incident response strategies, remote control radiation detection technologies, and the radiation disaster management technology and platform other than nuclear accidents. For the aforementioned purposes, the implementation of this project includes:

1. Enhance the radiation disaster response technology
2. Complete operating procedures for the emergency equipments and preparation.
3. Research and development of radiation incident response technology (establishment of radioactive material diffusion analysis capability)
4. Develop remote control mobile radiation detection platform and response information platform

Keywords : radiation disaster, emergency response