

Coordinated Research Project (CRP) for Improved Assessment of Initial Alarms from Radiation Detection Instruments

Sustaining and Strengthening Efforts –Improved Assessment of Radiation
Portal Monitor Alarms at Laem Chabang Seaport
Aukrit Wongpanich, Natthawit Phiongam, Yanapan Hao
Thai Customs
Email: wongpanich1234@gmail.com

ABSTRACT

Thai Customs has several missions, including obligations to facilitate trades, collect tax, and protect the society. To ensure nuclear safety and security by detecting and deterring presence of illicit trafficking of nuclear and other radioactive materials, Thai Government participated in the Megaports Initiative Project with the United States Department of Energy to established an extensive network of radiation portal monitors (RPMs) at the Port of Laem Chabang, which is the largest seaport in Thailand.

The sensitivity of the RPMs is such that containerized cargo containing radionuclides of natural origin often o

In order to increase effectiveness of the current operation of the radiation detection system, Thai Customs

This paper will present results from the data collected from June 2018 to May 2019. The results significantly

State

Thailand

Gender

Male

Primary author: OFFICE OF ATOMS FOR PEACE, THAILAND

Co-author: LAEM CHABANG PORT CUSTOMS BUREAU, THAILAND

Presenter: LAEM CHABANG PORT CUSTOMS BUREAU, THAILAND

Track Classification: CC: Advances in nuclear security research and development; international cooperation on nuclear security research