Since the dropping of the first atomic bombs in Hiroshima and Nagasaki on August 1945, quoting the famous phrase, "the world has lived under the shadow of nuclear threat". This was heightened by the Chernobyl nuclear accident in 1986 and magnified by the September 11, 2001 terrorist attack of the World Trade Center in the USA. Although the attack (more popularly termed as 911 attack) was not nuclear or radiological in manner, it imparted a worldwide chilling effect that such an act that is nuclear or radiological armed can be a possibility causing major damage and massive disruption. While the threat is global, nuclear security is a national responsibility. It is in this light that the Philippine Nuclear Security Plan was formulated by the Philippine Nuclear Research Institute (PNRI) specifically to address nuclear security and terrorism with nuclear forensic as an integral part of the plan.

Prior to the 911 attack, the Philippines was confronted by three (3) major internal security concerns: the local communist movement, the southern Philippines secessionist groups, and the home-grown and transnational kidnapping for ransom groups such as the Abu Sayyaf Group. To deter and overcome these threats, a ‘Strategy of Holistic Approach’ focusing on “Winning the Peace” theme was adopted under the National Internal Security Plan. However, after the 911 attack, the word ‘terrorism’ drastically changed the course of global and national security. The Philippines created its own definition and perspective on terrorism with the passage of Republic Act No. 9372 on March 6, 2007, An Act to Secure the State and Protect Our People from Terrorism otherwise known as “The Human Security Act of 2007”. Included in this law as an act of terrorism is the use of any biological and/or chemical agent, radioactive or nuclear material, explosives, firearm or other weapons, with the intent to endanger, directly or indirectly, the safety of one or more individuals or to cause great damage to property. With this new law, the National Plan to Address Terrorism and its Consequences was developed. Unfortunately, this plan was designed to cover hostage taking, bombing, sabotage, hijacking and piracy, but did not cover biological, chemical, radiological, nuclear & cyber terrorism.

Meanwhile, in 2003, the Megaports Initiative was established by the United State Government through the United State’s Department of Energy / National Nuclear Security Administration – Office of Second Line of Defense (USDOE/NNSA-SLD). The purpose of which is to screen container-cargoes for nuclear and other radiological materials being transported through the global maritime shipping network. In the Philippines, with financial and technical support from the USDOE/NNSA-SLD, radiation portal monitoring systems were installed at the Port of Manila, specifically at the South Harbor and Manila International Container Terminal. This will reduce the risk of illicit trafficking and thus preventing the acquisition and malevolent use of these nuclear and other radiological materials by terrorists.

As such, the Philippine Nuclear Security Plan (PNSP) was developed covering three (3) strategy components of prevention, detection and response. Under response strategy, a program to establish a forensic and investigation unit is included, as well as the development of plan and procedures to respond to incidents involving nuclear and radiative material, including seizure of such material by law enforcement authorities. The Nuclear Materials Research Section (NMRs) of PNRI was thus given the added function to “develop nuclear forensic analysis capabilities in support of nuclear material protection process so that in the event of an interdiction by Philippine law enforcement agencies involving illegal use or movement of radioactive material this capability may be used to develop and build a legal case against the perpetrators”. To date, several NMRs staff has undergone training on nuclear forensic taking advantage of offers from the International Atomic Energy Agency and other international organizations as part of the human resource development program of PNSP.

### Inquirer Headlines / Nation

**WikiLeaks bares uranium smuggling in PH**

By Jerry E. Espinola  
Philippine Daily Inquirer  
First Published 06:08:00 02/05/2011

**Filed Under:** Wikileaks, Smuggling, Diplomacy, Foreign affairs, Atomic Power, Nuclear Power

MANILA, Philippines—An alleged smuggling incident involving uranium—a radioactive metal used in the production of nuclear power—took place in the Philippines in 2007, according to a cable from the US Embassy in London that was released by the WikiLeaks.

In 2011, PNRI staffs were instructed to inspect a suspected radioactive material that was seized during an operation by a government investigative agency since there had been reported news of smuggling incidents involving uranium in the Philippines as early as 2007. It was unfortunate however, that the suspected material was brought to the room where the PNRI staffs were planning on how to go through with the inspection at the crime scene. Fortunately, the yellowish metallic box bearing a U235 marking registered very low radioactivity. Evidently, there is a need for strengthening and reorientation of those that will be involved in radiological crime scene investigations on the unique characteristics and required safety measures in handling radioactive materials, and more importantly, by equipping PNRI with basic instrumentation and skills in building the nuclear forensic capabilities of the Country.

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*Quoting an unidentified source, the unidentified Embassy official said the uranium ‘originally belonged to the US’.*

*The same embassy source had allegedly ‘similarly told’ the US Embassy privately and has recently confirmed them with information that they had found five to six uranium bricks at an unknown site.*

*In the Nov. 21, 2007 cable to the US State Department, then US Ambassador to the Philippines Robert H. Tuttle did not disclose the location of the vessel.*

*But Tuttle said the information’s contacts had ‘expressed a desire to add the bricks for profit’.*

*The same embassy source had earlier informed the US Central Intelligence Agency about the ‘possible nuclear smuggling incident’ but ‘US government did not yet receive a response’ said Tuttle.*

*In the cable, the envoy described as ‘unknowable’ the recipient, transport status and the intended destination of the alleged nuclear materials.*

*On the confident assessment of the likelihood that appropriate authorities would secure the materials, Tuttle said ‘US and Philippine authorities had not yet been notified’.*

*Tuttle attached three photos of the substance in question to the embassy cable.*