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Chem-Bio News

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2. TEXAS TECH RECEIVES PATENT FOR DECONTAMINATION WIPE CREATION PROCESS: *"The process used to create nonwoven toxic chemical decontamination wipes, such as TexasTechUniversity's Fibertect™, recently received a patent from the United States Patent and Trademark Office."*

3. [UK] SWINE FLU 'TSAR' APPOINTED TO COMBAT THREAT: *"The Government has appointed Ian Dalton as Britain's new "flu tsar" to deal with the threat of a pandemic."*

Chem-Demil News

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CB Daily Report

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PAKISTAN'S NUCLEAR SCENARIOS, U.S. SOLUTIONS

The New York Times

May 06, 2009

"As the Pakistani military launched a new offensive against the Taliban in the country's North-West Frontier Province, officials and former officials in Washington continued to discuss what the American response should be to the heightened conflict. How should the United States respond? And how secure are Pakistan's nuclear weapons?"

- * Rolf Mowatt-Larssen, former Energy Department official
- * Karin von Hippel, Center for Strategic and International Studies
- * Danielle Pletka, American Enterprise Institute
- * Ellen Laipson, Stimson Center
- * Parag Khanna, New America Foundation"

Rolf Mowatt-Larssen, former Energy Department official

"Second, the insider threat is not theoretical.

Twice since the 9/11 attacks, the U.S. taken action to break up networks inside Pakistan's

nuclear establishment who were collaborating with outsiders in efforts to help them build bombs. In both cases, rogue senior officials and their cohorts in the nuclear establishment were not caught by Pakistan's military, security and intelligence establishment.

The network run by the father of the Pakistani bomb, Abdul Qadeer Khan, channeled sensitive nuclear technologies to Libya, North Korea and Iran for years under the noses of the Pakistani establishment, before it was taken down in 2003.

The second case involved the Umma-Tameer-E-Nau, which was founded by Pakistani nuclear scientists with close ties to Al Qaeda and the Taliban. It was headed by Bashiruddin Mahmood, a retired senior Pakistan Atomic Energy Agency official who had headed Pakistan's Khushab Atomic Reactor. He discussed Al Qaeda's nuclear aspirations with Osama bin Laden."

The full article can be found at: <http://roomfordebate.blogs.nytimes.com/2009/05/05/pakistan-scenarios-us-solutions/>

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TEXAS TECH RECEIVES PATENT FOR DECONTAMINATION WIPE CREATION PROCESS

Infection Control Today Magazine

May 04, 2009

"The process used to create nonwoven toxic chemical decontamination wipes, such as TexasTechUniversity's Fibertect™, recently received a patent from the United States Patent and Trademark Office."

"Currently, the Fibertect™ wipe is under production by Hobbs Bonded Fibers of Waco and was invented by Seshadri Ramkumar, an associate professor of environmental toxicology at the Institute of Environmental and Human Health (TIEHH).

"The process for which the patent has been issued focuses on a multi-layered wipe with a unique fabric structure, which can wipe liquid and vapor toxins," Ramkumar said. "Also, it lends itself to the use of cotton and other fibers, depending on the need. The wipe can be used on human skin and military equipment."

He was issued patent No. 7,516,525, titled "Process for Making Chemical Protective Wipes and Such Wipes."

The full article can be found at: <http://www.infectioncontroltoday.com/hotnews/decontamination-wipe-process-patent.html>

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[UK] SWINE FLU 'TSAR' APPOINTED TO COMBAT THREAT

Telegraph.co.uk
May 06, 2009

"The Government has appointed Ian Dalton as Britain's new "flu tsar" to deal with the threat of a pandemic.

Mr Dalton, currently chief executive of NHS North East, has been seconded to the newly created post of national director for NHS Flu Resilience."

"Mr Dalton, who will take up the post immediately....."

"He will report to NHS chief executive David Nicholson....."

The full article can be found at: <http://www.telegraph.co.uk/health/swine-flu/5282933/Swine-flu-tsar-appointed-to-combat-threat.html>

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Chem-Demil News

EXPLOSIVE DESTRUCTION SYSTEM OVERVIEW

US Army Chemical Materials Agency Fact Sheet
May, 2009

"The U.S. Army Non-Stockpile Chemical Materiel Project (NSCMP) designed the Explosive Destruction System (EDS) to provide on-site treatment of chemical warfare materiel in a safe, environmentally sound manner. Designed by NSCMP and constructed by Sandia National Laboratories, the EDS serves as a transportable technology supporting both planned and emergency operations. Sandia built five EDS units for NSCMP, which retains the system's patent. The EDS 1 entered service in 1999; the larger EDS 2 finished extensive testing in March 2006 and began operations alongside an EDS 1 at Pine Bluff Arsenal on June 14, 2006.

Both EDS 1 and EDS 2 are designed with a sealed, stainless steel containment vessel, which contains all the blast, vapor and fragments from the munition, protecting the surrounding environment. The system uses cutting charges to explosively open chemical munitions, destroying their explosive elements. Chemical reagent is added to the sealed containment vessel, neutralizing the munition's chemical agent.

The success of the EDS 1 at sites such as Aberdeen Proving Ground, Md., and Spring Valley in Washington, D.C., led to the development of the EDS 2. Constructed to contain larger materiel in both size and explosive content, EDS 2 weighs 60,000 pounds, compared to the 20,000-pound EDS 1. Since both systems are mounted on trailers, they can be transported where they are needed, with the EDS 1 using a 30-foot trailer, and EDS 2 carried on a 40-foot trailer.

Both systems are approved to handle bomblets, 75 mm projectiles, mortars and Livens projectiles. The EDS 2 also can handle 155 mm and 8-inch projectiles. Both systems can treat up to three 4.2-inch rounds at a time, enabling the Army to treat more items in less time while maintaining high levels of safety and efficiency.

The amount of explosive that can be used in the systems is rated for TNT equivalent, the standard for measuring the potential energy of explosives. The EDS 1 can handle up to 1.5 pounds of TNT equivalent, while the EDS 2 can handle up to 4.8 pounds of TNT equivalent.

EDS 2 completed field-testing and approval in the United Kingdom and at Aberdeen Proving Ground. A second EDS 2 unit, identical to the first has been tested for processing six chemical-filled rounds at one time, further increasing the efficiency of the system. This system has been tested in Albuquerque, N.M., and Aberdeen Proving Ground, Md."

The full article with graphics can be found at: <http://www.cma.army.mil/fndocumentviewer.aspx?docid=003674354>

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