

2 June 2010

Chem-Bio News

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2. ISRAEL STATIONS NUCLEAR MISSILE SUBS OFF IRAN: *"Three German-built Israeli submarines equipped with nuclear cruise missiles are to be deployed in the Gulf near the Iranian coastline."*

3. UN EXPERTS SAY NKOREA IS EXPORTING NUKE TECHNOLOGY: *"The seven-member panel monitoring the implementation of sanctions against North Korea said its research indicates that Pyongyang is involved in banned nuclear and ballistic activities in Iran, Syria and Myanmar. It called for further study of these suspected activities and urged all countries to try to prevent them."*

4. CENTER [BEIJING SECOND ARTILLERY GENERAL HOSPITAL] READY FOR WAR:

"Nuclear warfare, bio-chemical weapons, terrorist attacks, natural disasters and pathogen outbreaks are the emergencies Beijing's first 24/7 public health emergency center is equipped to handle."

5. NATIONS AGREE ON NUCLEAR TREATY: *"A month-long conference on containing the spread of nuclear weapons ended with 189 nations agreeing on small steps, including a contentious proposal to ban all weapons of mass destruction from the Middle East."*

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BURN ON SCHEDULE: *"The mustard Agent Trial Burn (ATB) that began April 29 is on schedule to be completed before the end of June. The UMCDF team has completed Conditions 1 and 2 of the Metal Parts Furnace (MPF) ATB."*

CB Daily Report

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SHARIF SAYS CLINTON OFFERED 5 BILLION DOLLARS NOT CARRY OUT 1998 NUKE TESTS

Asian News International on Thaindian News
May 28, 2010

"Pakistan Muslim League (Nawaz) chief and former Prime Minister Mian Nawaz Sharif on Friday claimed that when he was heading the government in 1997-98, the then US President (Bill Clinton) offered him a five billion dollar package for not carrying out nuclear blasts.

Addressing a function to celebrate the 12th anniversary of the nuclear blasts, Sharif said that the entire nation was united in favour of the nuclear blasts, but added that Washington and specifically Clinton, had warned him that if he went ahead with the tests, Pakistan could face sanctions and a ban.

Sharif said that Mushahid Hussain was the first person to tell him to go ahead with the nuclear blasts as a response to India's Pokhran II nuclear explosions."

The full article can be found at: http://www.thaindian.com/newsportal/south-asia/sharif-says-clinton-offered-5-billion-dollars-not-carry-out-1998-nuke-tests_100371419.html

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ISRAEL STATIONS NUCLEAR MISSILE SUBS OFF IRAN

By Uzi Mahnaimi
The Times (UK)
May 30, 2010

"Three German-built Israeli submarines equipped with nuclear cruise missiles are to be deployed in the Gulf near the Iranian coastline.

The first has been sent in response to Israeli fears that ballistic missiles developed by Iran, Syria and Hezbollah, a political and military organisation in Lebanon, could hit sites in Israel, including air bases and missile launchers.

The submarines of Flotilla 7 — Dolphin, Tekuma and Leviathan — have visited the Gulf before. But the decision has now been taken to ensure a permanent presence of at least one of the vessels.

The flotilla's commander, identified only as "Colonel O", told an Israeli newspaper: "We are an underwater assault force. We're operating deep and far, very far, from our borders."

Each of the submarines has a crew of 35 to 50, commanded by a colonel capable of launching a nuclear cruise missile.

The vessels can remain at sea for about 50 days and stay submerged up to 1,150ft below the surface for at least a week. Some of the cruise missiles are equipped with the most advanced nuclear warheads in the Israeli arsenal."

The full article can be found at: <http://www.timesonline.co.uk/tol/news/world/europe/article7140282.ece>

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UN EXPERTS SAY NKOREA IS EXPORTING NUKE TECHNOLOGY

By Edith M. Lederer

The Associated Press in The Washington Post

May 28, 2010

"The seven-member panel monitoring the implementation of sanctions against North Korea said its research indicates that Pyongyang is involved in banned nuclear and ballistic activities in Iran, Syria and Myanmar. It called for further study of these suspected activities and urged all countries to try to prevent them.

The 47-page report, obtained late Thursday by AP, and a lengthy annex document sanctions violations reported by U.N. member states, including four cases involving arms exports and two seizures of luxury goods by Italy - two yachts and high-end recording and video equipment. The report also details the broad range of techniques that North Korea is using to try to evade sanctions imposed by the U.N. Security Council after its two nuclear tests in 2006 and 2009."

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"But it said the list of eight entities and five individuals currently subject to an asset freeze and travel ban seriously understates those known to be engaged in banned activities and called for additional names to be added. It noted that North Korea moved quickly to have other companies take over activities of the eight banned entities.

The experts said an analysis of the four North Korean attempts to illegally export arms revealed that Pyongyang used "a number of masking techniques" to avoid sanctions.

They include providing false descriptions and mislabeling of the contents of shipping containers, falsifying the manifest and information about the origin and destination of the goods, "and use of multiple layers of intermediaries, shell companies, and financial institutions," the panel said.

It noted that a chartered jet intercepted in Thailand in December carrying 35 tons of conventional weapons including surface-to-air missiles from North Korea was owned by a company in the United Arab Emirates, registered in Georgia, leased to a shell company registered in New Zealand and then chartered to another shell company registered in Hong Kong - which may have been an attempt to mask its destination.

North Korea is also concealing arms exports by shipping components in kits for assembly overseas, the experts said.

As one example, the panel said it learned after North Korean military equipment was seized at Durban harbor in South Africa that scores of technicians from the North had gone to the Republic of Congo, where the equipment was to have been assembled."

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"The experts said they are also looking into "suspicious activity in Myanmar," including activities of Namchongang Trading, one of the companies subject to U.N. sanctions, and reports that Japan in June 2009 arrested three individuals for attempting to illegally export a magnetometer - which measures magnetic fields - to Myanmar via Malaysia allegedly under the direction of a company known to be associated with illicit procurement for North Korea's nuclear and military programs. The company was not identified."

The full article can be found at: <http://www.washingtonpost.com/wp-dyn/content/article/2010/05/27/AR2010052706016.html>

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CENTER [BEIJING SECOND ARTILLERY GENERAL HOSPITAL] READY FOR WAR

By Li Shuang

The Global Times (CH)

May 25, 2010

"Nuclear warfare, bio-chemical weapons, terrorist attacks, natural disasters and pathogen outbreaks are the emergencies Beijing's first 24/7 public health emergency center is equipped to handle. Linked up with the country's military command, the 300-million yuan (\$44 million) center opened Monday morning 500 meters north of the Jishuitan subway station. The 50,000-square-meter center nominally functions as an outpatient building for the Beijing Second Artillery General Hospital, with 15 floors above ground and three below."

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"The hospital has an information platform that connects the Red Cross's 999 emergency hotline and the city's 120 medical hotline with the military command center. The platform makes use of a video system that can be installed in ambulances to transmit live video feedback to the hospital."

The full article can be found at: <http://www.globaltimes.cn/www/english/metro-beijing/>

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NATIONS AGREE ON NUCLEAR TREATY

By Joe Lauria

The Wall Street Journal

May 29, 2010

"A month-long conference on containing the spread of nuclear weapons ended with 189 nations agreeing on small steps, including a contentious proposal to ban all weapons of mass destruction from the Middle East.

Iran was among the nations signing on to the unanimous agreement, after playing brinksmanship until the last few hours. Tehran objected to the wording of the final document in a section calling on countries to approve more intrusive inspections of nuclear inspections by the U.N.'s watchdog agency.

Iran, which has battled the agency over its inspections and is being threatened with new U. N. sanctions, is not mentioned by name in the document, a regular five-year update of the 40-year-old Nuclear Non-Proliferation Treaty.

Israel, however, was singled out for attention, in the section setting up plans for a nuclear-free zone in the Middle East.

Israel isn't a participant in the treaty nor the talks, and does not acknowledge having nuclear weapons capability—a significant irritant to its neighbors who have concluded otherwise.

The full article can be found at: http://online.wsj.com/article/SB10001424052748703957604575273033583884868.html?mod=WSJ_hpp_MIDDLTopStories

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NNSA LAUNCHES NEW DETECTION CAPABILITY

US National Nuclear Security Administration Press Release

May 28, 2010

"On May 27, 2010, the U.S. Air Force (USAF) successfully launched the first IIF series of Global Positioning System (GPS) satellites, which carry improved nuclear detonation detection instruments built by Sandia National Laboratories and Los Alamos National Laboratory for the National Nuclear Security Administration.

"The deployment of these new instruments will significantly improve our ability to detect

atmospheric or space-based nuclear explosions and verify compliance with nuclear test ban treaties," said NNSA Principal Assistant Deputy Administrator for Defense Nuclear Nonproliferation Ken Baker. "The launch advances President Obama's broader nuclear nonproliferation agenda and strengthens the NNSA-USAF partnership that has ensured continuous global nuclear detonation detection coverage for nearly half a century."

The full article can be found at: <http://www.nnsa.energy.gov/mediaroom/pressreleases/satellitelaunch05.28.10>

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NUCLEAR EQUIPMENT MISSING FROM IRANIAN LAB, IAEA REPORT SAYS

By Borzou Daragahi and Julia Damianova

The Los Angeles Times

May 31, 2010

"International arms control inspectors say sensitive equipment that could be used to extract plutonium for an atomic bomb has gone missing from a Tehran laboratory months after the apparatus was disclosed to a United Nations watchdog agency, according to an official report released Monday.

The report is expected to feed suspicions in the West that Iran is attempting to hide the nature and scope of its nuclear program.

On the other hand, Iran agreed in May to allow inspectors greater surveillance and access to the area where it is producing 20% enriched uranium meant for a Tehran medical reactor, clearing up one of the points of contention between the Islamic Republic and the International Atomic Energy Agency.

Still, analysts and diplomats say overall cooperation between Iran and the agency seems to continue to deteriorate, a dynamic that emerged after the tenure of new IAEA Secretary-General Yukiya Amano began late last year."

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"IAEA inspectors were told in January by a scientist or official at Tehran's Jibril Ibn Hayan Multipurpose Research Laboratory that Iran was conducting pyro-processing experiments, work potentially consistent with creating warheads that could be used in developing a nuclear weapon.

But during an April 14 inspection of the laboratory, the equipment — used to remove impurities from uranium metal — had been removed, said the agency's report to its board of governors ahead of a meeting next week. Iran had earlier backtracked, insisting to inspectors it was not engaged in pyro-processing work.

Arms control experts say the apparent attempt to experiment with pyro-processing adds to the cloud of suspicion that hangs over Iran's nuclear program.

"It will bring Iran close to being able to separate plutonium and thus have a second path to a nuclear weapon," said Mark Fitzpatrick, a former State Department nonproliferation specialist serving as an analyst for the International Institute for Strategic Studies in London. "Given the evidence of military connections to Iran's nuclear program, it is worth asking the purpose for which Iran is studying the production of uranium metal."

The full article can be found at: <http://articles.latimes.com/2010/may/31/world/la-fg-iran-nukes-20100601>

The IAEA report can be found at: http://isis-online.org/uploads/isis-reports/documents/IAEA_Report_Iran_31May2010.pdf

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Chem-Demil News

TOOELE CHEMICAL AGENT DISPOSAL FACILITY (TOCDF) - FACILITY WRAPS-UP MORTAR DISPOSAL OPERATIONS

US Army Chemical Materials Agency Press Release
May 28, 2010

"Workers safely destroyed the last explosively-configured mustard agent-filled munition today at the Tooele Chemical Agent Disposal Facility (TOCDF) located at Deseret Chemical Depot (DCD).

Now that 4.2 inch mortar disposal operations have been completed, only bulk containers of mustard agent remain to be processed at the disposal facility.

With more than 26,000 safe On-Site-Container (ONC) deliveries to the TOCDF plant, more than one million munitions destroyed and nearly 90 percent of the original DCD stockpile eliminated, the Depot Commander feels confident in the abilities of the workforce. "Our DCD team is dedicated, skilled and well trained," said Col. Gerald L. Gladney. "I couldn't be more proud of what we have accomplished here today."

Gary McCloskey, vice president and general manager of the TOCDF system contractor, URS, said, "Our workers did an excellent job during this munitions destruction campaign, successfully resolving various processing challenges en route to the safe elimination of the mortars ahead of schedule. I congratulate them."

Following the successful destruction of mustard agent-filled 4.2 inch mortars, TOCDF Site Project Manager, Ted Ryba, said, "With only bulk containers remaining to be processed, we will have an opportunity to begin early decommissioning activities." TOCDF officials have already begun planning for these activities, which include removal of equipment previously used to disassemble projectiles and mortars and decommissioning of the deactivation

furnace system (used to destroy the explosive components).

Despite making this mark and declaring victory, nearly 350 reject-munitions remain. These are munitions that could not be processed in the TOCDF and will remain in safe storage until plans to use an explosive detonation technology inside DCD's adjacent storage area are complete and ready to address these rounds."

The full article can be found at: <http://www.cma.army.mil/fndocumentviewer.aspx?DocID=003682941>

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UMATILLA CHEMICAL AGENT DISPOSAL FACILITY (UMCDF) - AGENT TRIAL BURN ON SCHEDULE

US Army Chemical Materials Agency Weekly Update
May 27, 2010

"The mustard Agent Trial Burn (ATB) that began April 29 is on schedule to be completed before the end of June. The UMCDF team has completed Conditions 1 and 2 of the Metal Parts Furnace (MPF) ATB.

The ATB tests three conditions in the MPF:

- Condition 1 – donor runs of ton containers (TCs) with up to 300-pound heels and no more than 435 pounds total. Each TC was COLIWASA (Composite Liquid Waste Sampler) sampled, spiked with HD agent, monochlorobenzene, mercury, lead and arsenic. All four runs have been completed.
- Condition 2 – recipient runs of TCs with up to 435 pounds of rinsate (mustard products and water from the Heel Transfer System). The fourth run was completed Wednesday.
- Condition 3 – High temperature test to confirm mustard destruction and removal at high exhaust gas flows.

So what's left? Methods 1-4 were completed Friday, May 21, on Liquid Incinerator (LIC) 2, which is scheduled to begin its ATB Friday. The LIC ATBs will be performed using the identified high mercury-containing TCs spiked with arsenic, lead and monochlorobenzene.

One of the permit requirements is to sample Agent Collection System (ACS)-TANK-108 before and after each run to determine agent purity and metal concentrations.

The LIC 1 ATB will follow. The LIC ATBs are expected to be completed by mid-June.

The last set of four ATB runs will be back on the MPF, where donor TCs will be fed at high temperatures. These TCs will be spiked with both HD and monochlorobenzene. Destruction and Removal Efficiency (DRE) will be measured for both mustard and for monochlorobenzene. These runs are scheduled to be completed by June 28.

Preliminary data from Conditions 1 and 2 of the MPF should be available by mid-June to support the submittal of a preliminary report and to initiate an update to the Human Health Risk Assessment."

The full article can be found at: <http://www.cma.army.mil/fndocumentviewer.aspx?DocID=003682935>

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