



**The Former Defense Depot
Memphis, Tennessee
Fifth Five-Year Review
Community Notification**

Department of the Army (Army) has completed the Fifth Five-Year Review for the former Defense Depot Memphis, Tennessee under the Comprehensive Environmental Response, Compensation, and Liability Act. The environmental cleanup remedies selected in the Main Installation and Dunn Field Records of Decision were reviewed to determine whether the remedies continue to protect human health and the environment.

Army and U.S. Environmental Protection Agency (USEPA) found that the remedies for the Main Installation are currently protective of human health and the environment. Army found that the remedies for Dunn Field are also currently protective of human health and the environment, while USEPA postponed making a protectiveness determination until additional sampling is conducted for potential vapor intrusion risk. Soil vapor and groundwater samples will be collected within an area of groundwater contamination from the western boundary of Dunn Field to Rozelle Street. The analytical results will be compared to USEPA vapor intrusion screening levels. Army expects these actions will take approximately 18 months to complete, and that USEPA will make a protectiveness determination at that time.

The Final Five-Year Review document and additional information is available at the online Information Repository at <https://ww3.sam.usace.army.mil/DDMT>.

The selected remedies for soil contaminated with metals, petroleum hydrocarbons and volatile organic compounds were excavation, transportation and off-site disposal, and soil vapor extraction. The selected remedies for groundwater contaminated with chlorinated volatile organic compounds were enhanced bioremediation, air sparging, natural attenuation and long-term monitoring.

All cleanup remedies have been completed or are currently operating, except for enhanced bioremediation at the Main Installation. Army completed supplemental remedial investigation for the Main Installation, and the focused feasibility study to select an alternative groundwater remedy is near completion. In addition to environmental clean-up, site-wide land-use controls (LUCs) have been implemented to prevent residential or daycare facilities, restrict drilling and groundwater use, and control public access.

The Fifth Five-Year Review found that the public is not being exposed to contaminants and exposure pathways are being controlled through LUCs, except that USEPA needs additional information in the offsite area west of Dunn Field. In addition, the following actions need to be taken to ensure future protectiveness

- At Dunn Field, Army will develop a plan for sampling, analysis and risk assessment for potential vapor intrusion exposure to offsite residents, identify necessary changes to LUCs and other actions, and issue a report.
- At the Main Installation, Army will complete the focused feasibility study and prepare a Record of Decision amendment for alternative cleanup action and implement the vapor intrusion sampling and analysis plan and issue the report.

You may also find information about the former Memphis Depot environmental cleanup program online at:

<http://www.epa.gov/region4/superfund/sites/fedfacs/memdedpttn.html>.

To request additional information, please call the former Memphis Depot Community Involvement Line at (901) 774-3683 or email denise.cooper@hdrinc.com.

Watchdog: Nuclear states revamp arsenals

ASSOCIATED PRESS

STOCKHOLM – The nine nuclear-armed states continue to modernize their arsenals and several deployed new nuclear-armed or nuclear-capable weapon systems in 2022, a Swedish think tank said Monday.

“We are drifting into one of the most dangerous periods in human history,” said Dan Smith, director of the Stockholm International Peace Research Institute, or SIPRI.

“It is imperative that the world’s governments find ways to cooperate in order to calm geopolitical tensions, slow arms races and deal with the worsening consequences of environmental breakdown and rising world hunger,” he said in a statement.

SIPRI estimated that of the total global inventory of 12,512 warheads in January, some 9,576 were in military stockpiles for potential use which was 86 more than in January 2022.

The independent institute listed the nuclear-armed states as the United States, Russia, the United Kingdom, France, China, India, Pakistan, North Korea and Israel.

In its yearbook, the Swedish watchdog wrote that the United States and Russia each hold more than 1,000 warheads previously retired from military service, which they are gradually dismantling. As for China, SIPRI said the size of country’s nuclear arsenal had increased from 350 warheads in January 2022 to 410 in January 2023 and it is expected to keep growing.

“Depending on how it



Russian Air Force jets carrying nuclear-capable ballistic missiles fly over Red Square during a rehearsal for the Victory Day military parade in Moscow in 2021. AP FILE

decides to structure its forces, China could potentially have at least as many intercontinental ballistic missiles as either the USA or Russia by the turn of the decade,” SIPRI wrote.

The institute said that nuclear arms control and disarmament diplomacy had suffered major setbacks following Russia’s full-scale invasion of Ukraine in February 2022. Washington suspended its

bilateral strategic stability dialogue with Russia, and Moscow announced in February that it was suspending its participation in the New START nuclear treaty.

Allowing inspections of weapons sites and providing information on the placement of intercontinental and submarine-based ballistic missiles and their test launches are critical components of

We are drifting into one of the most dangerous periods in human history.”

Dan Smith
Stockholm International Peace Research Institute director

New START, which U.S. President Barack Obama and Russia’s Dmitry Medvedev signed in 2010.

Nevertheless, by SIPRI’s assessment, both countries’ deployed strategic nuclear forces remained within the New START limits as of January.

PUBLIC NOTICE OF REDEMPTION

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