



FACT SHEET

Office of the
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Deployment Health Support Directorate

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Deseret Test Center

DTC Test 70-11, Phase I, Subtest 4

Shortly after President Kennedy's inauguration in 1961, the Secretary of Defense, Robert McNamara, directed that a total review of the U.S. military be undertaken. The study consisted of 150 separate projects. The chemical and biological warfare review was known as Project 112. As part of the Project 112 review, the Joint Chiefs of Staff convened a working committee that recommended a research, testing, and development program for chemical and biological weapons. To oversee this program, the Deseret Test Center (DTC) was established at Fort Douglas, Utah, in 1962. Both land-based and ship-based tests were conducted during the period 1962 – 1973. The Deseret Test Center closed in 1973.

The purpose of DTC Test 70-11, Phase I, Subtest 4 was to obtain data on the dissemination characteristics of the BIGEYE Dissemination Test Vehicle (DTV) containing agent VX simulant payload and to determine if the BIGEYE DTV could be used to obtain field data for evaluating hazards to US forces after a massive chemical attack with a ballistic weapon.

DTC Test 70-11, Phase I, Subtest 4 consisted of two trials. In each trial, one simulant-filled BIGEYE DTV was operationally delivered against an instrumented target array. Dissemination characteristics were estimated from the point of release to approximately one mile downwind.

Each DTV was filled with bis (2-ethylhexyl) hydrogen phosphite. The agent simulant was dyed with oil red dye. The BIGEYE DTV was mounted on and delivered by a TA 4F aircraft.

DTC Test 70-11, Phase I, Subtest 4 was conducted at Dugway Proving Ground, Utah in May 1974.

The Department of Defense (DoD) is providing this information, at the request of the Department of Veterans Affairs (VA), to assist the VA in providing healthcare services to qualified veterans and to assist veterans in establishing service connection for disability claims. The Deployment Health Support Directorate (DHSD) collected this information from multiple sources and requested that the military services declassify it to allow its public distribution. The VA accepts this information provided on location, dates, units and/or ships, and substances involved in this exercise, which DHSD extracted from classified DoD records, and will provide it to individual veterans as necessary, but the VA cannot verify its accuracy.

Test Name	DTC Test 70-11, Phase I, Subtest 4
Testing Organization	US Army Deseret Test Center
Test Dates	May 1974
Test Location	Dugway Proving Ground, Utah
Test Operations	DTC Test 70-11, Phase I, Subtest 4 consisted of 2 trials. In each trial, one simulant-filled BIGEYE DTV was operationally delivered against an instrumented target array. Dissemination characteristics were estimated from the point of release to approximately one mile downwind.
Participating Services	US Navy, Deseret Test Center personnel
Units and Ships Involved	TA-4F aircraft
Dissemination Procedures	Each DTV was filled with bis (2-ethylhexyl) hydrogen phosphite. The BIGEYE DTV was mounted on and delivered by a TA-4F aircraft.
Agents, Simulants, Tracers	bis (2-ethyl-hexyl) hydrogen phosphite
Ancillary Testing	Not identified
Decontamination	Not identified
Potential Health Risks Associated with Agents, Simulants, Tracers	<u>bis (2-ethyl-hexyl) hydrogen phosphite</u> This chemical compound used as an additive in industrial lubricants can cause acute irritation of the skin, eyes, and respiratory tract. There is insufficient evidence for or against long-term effects.(Source: NLM TOXNET, bis (2-ethylhexyl) hydrogen phosphite 3658-48-8, HSDB Human Health Effects, available at http://toxnet.nlm.nih.gov .)

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