

CARRUTH - -

EXHIBIT 1

George A. Carruth

6435 Alloway Court
Springfield, VA 22152

Home: (703) 569-7884
Office: (202) 488-6736

CURRENT POSITION: Manager, System Integration

EDUCATION:

Tulane University, 1967-1969, Biology, PhD, 1973
University of Arkansas, 1956-1957, Animal Nutrition, MS, 1957
University of Arkansas, 1952-1956, Agriculture, BS, 1956
National War College, 1978
U.S. Army Command and General Staff College, 1971-1972
U.S. Army Chemical School, Radiological Safety, 1964

EXPERIENCE:

CRWMS M&O

System Integration

1991 - Present

Summary of Responsibilities and Major Accomplishments
Responsible for development, implementation and maintenance of CRWMS program-level management plans, policies and procedures; system level technical baseline requirements documentation and OCRWM and M&O change control plans and procedures. Manage the development of system interfaces and integrates engineering and other technical activities to ensure achievement of technical baseline.

TRW Command Support Division

Project Manager

1987 - 1991

Summary of Responsibilities and Major Accomplishments
Developed organization and concepts for the TRW team system engineering, development and management of the Nuclear Waste Management System for the Office of Civilian Radioactive Waste Management. Managed and developed Business Management Volume of the TRW Proposal. Researched and prepared business analysis of environmental services for TRW entry into market. Developed strategy, and directed technical and management sections of TRW's proposal for Program and Integration Support of the Army's Chemical Stockpile Disposal Program.

U.S. Department of the Army

Chief, Chemical and Nuclear Biological and Chemical Defense Division, Office of the Deputy Chief of Staff for Operations and Plans

1985 - 1987

Summary of Responsibilities and Major Accomplishments
Developed and managed the Army's chemical warfare, nuclear, biological, and chemical defense policies, programs, and plans. Responsible for budget information and execution; doctrine; material requirement definition; and material life cycle management to include disposal of toxic chemical structure development; and material life cycle management to include disposal of toxic chemical munitions and agents. Maintained an annual program of \$1 billion during period of severe budget reductions. Provided leadership for the development of the first Joint Service Chemical Warfare and Chemical Biological Defense Research

CARRUTH, GEORGE A.

Page 2

Development and Acquisition Plan that provides prioritized material, science and technology, and data requirements supporting resource needs to all the armed services. Guided development of the congressionally-mandated concept plan for the destruction of the national stockpile of toxic chemical agents and munitions on a very constrained schedule. Conducted and planned three program alternatives within average cost of \$2 billion each. Briefed, and was a witness, before key congressional committees, members, and staffers on the Fiscal Year 1986 and 1987 Department of Defense Presidential Budget Requests. Gained congressional support/funding for the chemical warfare program including funding for production of binary chemical weapons.

1984 - 1985

**Deputy Commander
U.S. Army Nuclear and Chemical Agency**

Summary of Responsibilities and Major Accomplishments
Provided daily direct supervision to the Army Nuclear and Chemical Agency, the only organization dedicated to provide technical support on nuclear and chemical matters to the Army in a tactical area. Provide top-level guidance on policy for the safety, security, and reliability of three of the Army's nuclear and chemical weapons. Supervised preparation of employment manuals for all Army weapons and those of other services used to support the Army in the field.

1981 - 1984

**Commander
Dugway Proving Ground**

Summary of Responsibilities and Major Accomplishments
Managed the Army Dugway Proving Ground, DoD's only chemical warfare, chemical and biological defense and smoke major range and test facility. Planned, conducted, and reported on a wide variety of highly technical test projects representing over 45,000 man-hours of effort. Originated and guided to completion, a comprehensive plan for the modernization of the test facility to include increase in personnel and improved instrumentation, facilities, housing, utilities, and communications. Directly supervised the operation of an isolated 2,500-person community including housing, medical care, law enforcement, fire protection, utilities, and support facilities.

1978 - 1981

**Chief, Nuclear and Chemical Office
U.S. Army Material Development Readiness Command**

Summary of Responsibilities and Major Accomplishments
Directed development of environmental documentation for several major Army programs to include controversial projects such as movement of chemical weapons for Colorado to Utah and the chemical stockpile program. Exercised major headquarters responsibility for the safety and the security of the majority of the Army Material Development and Readiness Command's chemical weapons and two of the largest nuclear depots to include responsibility for accident/incident control, physical security site-upgrade program, and personnel reliability program.

1975 - 1977

**Staff Engineer
Chemical Division, Office of the Deputy Chief of Staff
For Operations and Plans**

Summary of Responsibilities and Major Accomplishments
Point of contact for all matters affecting nuclear, biological and chemical training, readiness, doctrine, equipment, and employment of chemical munitions for Headquarters, Department of the Army. Conducted joint service planning and coordination of program with Office of the Secretary of Defense and the other

NOV 63 30 21:30 PM 1963

P.O

CARRUTH, GEORGE A.

Page 3

Services. Lead team that conducted detailed review of the U.S. Army's Chemical Warfare Posture and developed a comprehensive program plan for correcting identified deficiencies.

As Chief of the Trails Branch Staff Studies and Trails Wing (1972 - 1974), served as Exchange Officer to the British Defense NBC School responsible for planning, coordinating, and directing tests of British NBC defense equipment and doctrine.

As Chief of the Radiological Division (1970 - 1971), presented nuclear weapons employment and radiology safety to all students at the U.S. Army Chemical School.

As Chemical Officer and Deputy Operations Officer (1969 - 1970), planned and operated the control room for monitoring and directing military operations in the largest corps area in Vietnam.

Executive for Plans and Training (1964 - 1967), for all U.S. Army forces in Panama.

Instructor for Plans and Training (1962 - 1964), for the U.S. Army Chemical School.

Instructor and Company Executive Officer (1960 - 1962), prepared and presented instruction to combined officer and enlisted courses on jungle and amphibious small unit operations for the Ranger Department in the U.S. Infantry School.

Research Biochemist (1957 - 1959), for the U.S. Army Biological Warfare Laboratory.

Awards/Accomplishments/Publications/Patents/Other

Memberships

National Science Foundation Fellowship (for MS)

National Science Fellowship (for PhD)

Sigma Xi

Awards

Legion of Merit (three awards)

Bronze Star

Army Commendation Metal (three awards)