

MAR 22 1993

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Dr. Budhi Sagar  
Center for Nuclear Waste  
Regulatory Analyses  
Southwest Research Institute  
6220 Culebra Road  
San Antonio, Texas 78228-0510

Dear Dr. Sagar:

SUBJECT: EXCHANGE OF ROBERT CARLSON BETWEEN THE U.S. NUCLEAR REGULATORY  
COMMISSION AND THE CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES  
(CNWRA)

This letter expresses the NRC's desire to have Mr. Robert Carlson participate  
in a personnel exchange whereby he will work at the CNWRA in San Antonio,  
Texas, from March 29, 1993 through April 9, 1993. This request is made in  
accordance with the CNWRA Administrative Procedure AP-008 entitled:  
"Exchanges of Personnel Between the CNWRA and U.S. NRC." Enclosures 1 and 2  
contain all material required by Section 5.2 of AP-008.

NRC believes the proposed personnel exchange will greatly benefit Mr. Carlson,  
the CNWRA, and the NRC. It is NRC's understanding that the subject of  
Mr. Carlson's participation in the proposed exchange has been discussed and  
approved in principle by the cognizant CNWRA and NRC management. It is  
requested that you signify your approval of this request by signing and dating  
the concurrence provided below and returning the original signed copy of this  
letter to me.

Sincerely,

*W/B*  
Williard B. Brown  
CNWRA Deputy Program Manager  
Special Issues Group  
Program Management, Policy Development  
and Analysis Staff, NMSS

Budhi Sagar

Date

Enclosures: As stated

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OFC	HLPD	E	<i>W/B</i>	HLPD	N	PMDA
NAME	<i>RCarlson</i> :bl	<i>RJohnson</i>	<i>JHolonich</i>	<i>WBrown</i>		
DATE	03/18/93	03/18/93	03/18/93	03/18/93		

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## EXCHANGE WITH CNWRA FOR ROBERT D. CARLSON

### Scope of Work and Duration

The proposed exchange will begin on March 29, 1993 and terminate April 9, 1993.

During this exchange, Mr. Carlson will be working on several projects. The majority of the exchange will be spent work on development and testing of the Open Item Tracking System (OITS), and revising the OITS User's Guide, based on comments provided by the NRC staff. Additionally, Mr. Carlson will become familiar with the Program Architectural Data Base (PADB) System, and the Center's ongoing revisions to the system's design. Mr. Carlson will also be spending time working with the Center staff on development of Compliance Determination Strategies (CDS) for incorporation into the License Application Review Plan.

### Statement of Benefits

During the exchange, Mr. Carlson expects to work closely with Center staff. This work is expected to involve Mr. Johnson (CNWRA), Ms. McFaddin (CNWRA), Mr. Marshall (CNWRA), Mr. Dewispelare (CNWRA), Mr. Mackin (CNWRA), and Dr. Chowdhury (CNWRA). Mr. Carlson will benefit from the exchange by working closely with his CNWRA counterparts on the development and testing of OITS, revising the draft OITS User's Guide, becoming familiar with the Center's revisions to the PADB and continuing work on CDS development. Mr. Carlson is to offer suggestions that provide guidance and direction to these projects so as to address HLWM needs.

### Assessment of Potential Fiscal and Programmatic Impacts From the Exchange

The cost of the exchange in terms of travel and per diem is estimated to be about \$1,750. All of the work that Mr. Carlson will be involved with at the Center is related to work for which he is responsible at NRC HQs. In this regard, the impact on his absence will be minimal. However, his expertise and services will be unavailable to the HQs staff for unscheduled work during the exchange period.

## STATEMENT OF PROFESSIONAL QUALIFICATIONS

NAME: Robert D. Carlson

AGENCY: Division of High-Level Waste Management  
Office of Nuclear Material Safety and Safeguards  
U.S. Nuclear Regulatory Commission

I am a Project Manager in the Systems Engineering and Special Projects Section of the Repository Licensing and Quality Assurance Project Directorate within the Division of High-Level Waste Management (HLWM).

I received my B.S. in General Engineering (Civil Engineering concentration of study) from the U.S. Military Academy, West Point, NY (1982), and my M.S. in Engineering Management (Systems Engineering concentration of study) from the University of Missouri, Rolla, MO (1986).

I have been employed by the U.S. Nuclear Regulatory Commission (NRC) since March 1991. As a Project Manager, I have been working in areas for the development of repository licensing guidance, including technical positions and the license application review plan. I coordinate the development and review of staff technical positions and review plans for the licensing of high-level radioactive waste repositories. I am also responsible for ensuring that technical staff are in compliance with the HLWM Systematic Regulatory Analysis process during the evaluation of regulatory requirements for the development of the license application review plan. I coordinate the efforts of technical and legal staff personnel in achieving a timely and balanced regulatory approach to safety and environmental matters with respect to design, operations, and long-term isolation of high-level nuclear wastes in a repository. I serve as the NRC point of contact with the U.S. Department of Energy, international countries, contractors, other Federal Agencies in waste management activities, and members of the public on issues concerning NRC involvement in HLWM.

From 1989 to 1990, I was employed by System Planning Corporation as a Project Manager for a five person team of engineers revising the Strategic Defense Initiative Organization systems engineering documents. My responsibilities included managing the review, modification, and writing of technical data for the program's system architecture. I also handled the resource management planning and allocation for project costs and man-hour expenditures, quality assurance for all deliverable products, and technical meetings.

From 1987 to 1989, I was employed by Technology Applications, Incorporated as a Systems Engineer providing technical assistance and engineering support to the military on a command, control, and communications project. My responsibilities included: reviewing and changing system specifications on subsystem hardware to ensure conformity with military standards; helping to develop cost, operations, and other program management documents; writing technical after-action reports; and managing the construction of a top secret work facility.

ENCLOSURE 2

From 1982 to 1987, I was employed by the U.S. Army Corps of Engineers as a Project Engineer and a Company Commander. As a Project Engineer, I was responsible for monitoring the construction and managing all technical and administrative functions associated with the building of a military headquarters facility. As a Company Commander, I was responsible for the daily administration, training, and activities of 200 military engineers.

At the NRC, I have received specialized training in the following courses: Systematic Regulatory Analysis; Nuclear Reactor Concepts; Regulatory Process; and How to Conduct Meetings. With the Corps of Engineers I have received specialized training in the following areas: Engineer Officer Basic and Advance Schools; Construction Management Course; Instructor Training Course.