

WILLIAMS & ASSOCIATES, INC.

P.O. Box 48, Viola, Idaho 83872

(208) 883-0153 (208) 875-0147

Hydrogeology • Mineral Resources Waste Management • Geological Engineering • Mine Hydrology

March 7, 1988

Contract No. NRC-02-85-008

Fin No. D-1020

Communication No. 174

Mr. Jeff Pohle
Division of Waste Management
Mail Stop 4-H-3
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

RE: Monthly Report--February 1988

Dear Jeff:

This document constitutes the twenty-ninth monthly (February 1-29, 1988) progress report as required by Contract No. NRC-02-85-008. Williams and Associates, Inc. completed reviewing the Consultation Draft SCP for NNWSI. We are continuing our efforts on the required list of subtasks outlined in the SOW for Task 1. Details about our efforts on this contract are outlined based on Task and Subtask numbers.

8803210057 880307
PDR WMRES EECWILA
D-1020 DCD

NHM 1/1
D1020

TASK 1

The following work was conducted under Task 1 (NNWSI).

Subtask 1.1

This subtask has been completed.

Subtask 1.2

Williams and Associates, Inc. did not complete any reviews on NNWSI this month because of the review of the Consultation Draft SCP (CDSCP). A list of references cited in the CDSCP that we do not have was forwarded to the NRC as Communication 172. We suggest that we obtain and review these references as soon as possible.

Subtask 1.3

Williams and Associates, Inc. is continuing to review the literature pertaining to conceptual models for NNWSI. Our semiannual update on conceptual models was forwarded to the NRC as Communication No. 173.

Williams and Associates, Inc. is continuing to review literature pertaining to our task of evaluating "Groundwater Testing Methodologies Applicable to Unsaturated Fractured Rock." This expanded literature review is nearly completed.

Subtask 1.4

Williams and Associates, Inc. completed reviewing the Consultation Draft SCP for NNWSI, plus a few of the associated references. As indicated above, we had to review the CDSCP without 54 of the references cited. Some initial comments were forwarded to the NRC as Communication No. 169. Our second and final set of draft comments was forwarded to the NRC as Communication No. 170.

TASK 2

All work under Task 2 has been terminated.

Subtask 2.6

This subtask covers the transfer of data to the FFRDC. This subtask has not been initiated.

TASK 3

All work under Task 3 has been terminated.

Subtask 3.6

This subtask covers the transfer of data to the FFRDC. This subtask has not been initiated.

TASK 5

Williams and Associates, Inc. completed a working draft report on our modeling effort to evaluate the effect of hydrogeologic heterogeneities on uniformity or nonuniformity of downward flux in Yucca Mountain. This report was forwarded to the NRC in January as Communication No. 168. We anticipate that the report will need to be refined after you review it. A revised report will be forwarded to the NRC in March if deemed appropriate.

Contractual Problems

No contractual problems have arisen.

Current Expenditures

A breakdown of individual hours and charges is shown on the attached table. Cumulative costs and projected costs are shown on the second table.

Sincerely,

Roy E. Williams
Roy E. Williams

cc: D.L. Chery, Jr.

INDIVIDUAL HOURS AND CHARGES

	This Month (hours)	Cumulative (hours)	Cumulative (amount)
Roy Williams	112	2,512	\$131,330.72
Gerry Winter	173.3	4,325.7	100,159.23
Jeff Brown	-	358	12,530
Jim Osiensky	45	3,508.2	67,910.21
Dale Ralston	6	347	15,698.76
Kirk Steinhorst	16.5	141.25	5,361.20
Terry Eckwright	7	165	2,523.00
John Sharp	0	127.5	5,209
Charles Smith	-	-	-
George Bloomsburg	33	696	28,919.30
Terry Howard	-	-	-
Stanley Miller	3.5	354	12,740.88
Noel Krothe	-	7.6	380
Richard Parizek	0	67.75	3,387.5
Barbara Williams	62	571.5	11,664.67
John Riley	11	363.5	6,559.5
Tom Lachmar	0	150	2,550
Ken Sprence	0	62	2,170

CURRENT AND CUMULATIVE PROJECT COSTS

Task 1 Subtasks	Current Month	Cumulative to Date FY 88	Total to Date
1.2	456	456	456
1.3	737	737	737
1.4	21,922	21,922	21,922
Task 5	4,879	4,879	4,879
Total	27,994		

WILLIAMS & ASSOCIATES, INC.
P. O. BOX 48
VIOLA, IDAHO 83872



Mr. Jeff Pohle
Division of Waste Management
Mail Stop 4-H-3
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

