



Department of Energy

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**WM BUCKET CONTROL
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Division of Waste Management
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

WM Record File

112.2

WM Project 11

Docket No. _____

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J. Szymanski
CR

GEOLOGY DATA REVIEW PHOTOGRAPHS

We are transmitting, with this letter, four sets of prints of the photographs taken during the September 18-25, 1984 (NTS) portion of the Geology Data Review. Also included is a "Photo Log" keyed to the list of pictures kept in the field and to the negative number which is noted on the back of the prints. The "Photo Log" also includes a description of each print.

Please contact J. S. Szymanski, of my office, if you have any questions regarding the photographs.

Donald L. Vieth

Donald L. Vieth, Director
Waste Management Project Office

WMPO:JSS:330

Enclosures:
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PHOTO LOGNNWSI DATA REVIEW
(SITE VISIT 9/18 - 21/84)

NRC-1.1ST PICTURE NUMBER	NEGATIVE NUMBER	DESCRIPTION	
9/18/84	1	NF3665	VIEW TO SOUTHWEST FROM YUCCA CREST INTO SOLITARIO CANYON ACROSS CRATER FLAT SHOWING CINDER CONES. SOUTHERN END OF BARE MOUNTAIN TO RIGHT, AMARGOSA DESERT IN CENTER DISTANCE, AND FUNERAL RANGE IN LEFT HORIZON.
	2	NF3666	VIEW TO WEST FROM YUCCA CREST ACROSS CRATER FLAT TO BARE MOUNTAIN. CONTINUATION OF PANORAMA SHOWN IN NF3665.
	3	NF3667	VIEW SOUTH FROM SOUTHERN END OF FALSE CREST DOWN WASH ON WEST SIDE OF QUAIL RIDGE ON SOUTHEAST SIDE OF YUCCA MOUNTAIN.
	4	NF3668	VIEW NORTHEAST TOWARD WEST SIDE OF QUAIL RIDGE SHOWING BEDDED TUFF UNDER TIVA CANYON MEMBER. FAULT ZONE OF WEST-DIPPING FAULTED AND BRECCIATED STRATA ASSOCIATED WITH NORMAL FAULT ON THE RIGHT. SOUTHEAST SIDE OF YUCCA MOUNTAIN.
	5	NF3669	SAME VIEW DIRECTION AND LOCATION AS NF 3668. DARK LAYER ON RIGHT IS TOPOPAH SPRING MEMBER. LARGE WEST-DIPPING NORMAL FAULT ON RIGHT SEPARATES TOPOPAH SPRING AND TIVA CANYON MEMBERS.
	6	NF3670	SAME AS NF3668 & 3669.
	7	NF3671	SAME VIEW DIRECTION AND LOCATION AS NF 3668. HEIGHT OF VIEW IS ABOUT 2 m. CLOSEUP VIEW OF CONTACT BETWEEN BASE OF TIVA CANYON MEMBER AND BEDDED TUFF. NOTE FAULTS.
	8	NF3672	SAME AS NF3671 EXCEPT DIFFERENT PART OF SAME EXPOSURE.
	9	NF3673	IMBRICATE NORMAL FAULT ZONE ON EAST SIDE OF DOUBLE NOTCH RIDGE IN SOUTHERN YUCCA MOUNTAIN. VIEW TO SOUTHWEST. NOTE WEST-DIPPING NORMAL FAULT DISPLACEMENT OF THE COLUMNAR ZONE OF THE TIVA CANYON MEMBER.

	NRC-LIST PICTURE NUMBER	NEGATIVE NUMBER	DESCRIPTION
9/19/84	10	NF3673A	PANORAMA FROM YUCCA MOUNTAIN LOOKING EASTWARD TOWARDS JACKASS FLATS ACROSS BUSTED BUTTE.
	11	NF3674	PANORAMA FROM YUCCA MOUNTAIN LOOKING NORTHEASTWARD TOWARDS JACKASS FLATS AND THE CALICO HILLS.
	12	NF3674A	DESERT TORTOISE - YUCCA WASH AREA
	13	NF3675	VIEW OF SEVER WASH FACING SOUTHEAST. GROUP SHOT AT STRIKE-SLIP FAULT LOCALITY SHOWN IN NF3677.
	14	NF3676	VIEW OF SEVER WASH FACING WEST. GROUP SHOT AT STRIKE-SLIP FAULT LOCALITY SHOWN IN NF3677.
	15	NF3677	SOUTHEAST VIEW OF MULLION STRUCTURES ON SLIKENSIDED SURFACE OF STRIKE-SLIP FAULT. SOUTHWEST WALL OF SEVER WASH.
	16	NF3678	SOUTHWEST VIEW OF HORIZONTAL STRIATIONS ON A SLICKENSIDED SURFACE ON STRIKE-SLIP FAULT ON THE SOUTHWEST WALL OF SEVER WASH.
	17	NF3679	SAME AS NF3678.
	18	NF3680	NORTHEAST VIEW ACROSS SEVER WASH FROM EXPOSURE OF STRIKE-SLIP FAULT.
	19	NF3681	NORTHWEST VIEW OF INTRACALDERA VOLCANIC ROCKS ON NORTH SIDE OF YUCCA WASH.
	20	NF3682	NORTHWEST VIEW OF A SERIES OF NORTHWEST-STRIKING NORMAL FAULTS IN A SLUMP COMPLEX ON THE SOUTHWEST SIDE OF YUCCA WASH.
	21	NF3683	APPROACH TO PAVEMENT STUDY AREA OVERLOOKING VEHICLES.
	22	NF3684	WEST VIEW OF NORTHEAST PAVEMENT STUDY AREA ON DEAD YUCCA RIDGE.
	23	NF3685	NORTHEAST VIEW OF NORTHEAST PAVEMENT STUDY AREA ON DEAD YUCCA RIDGE. CALICO HILLS AND SKULL MOUNTAIN IN BACKGROUND.

	NRC-LIST PICTURE NUMBER	NEGATIVE NUMBER	DESCRIPTION
	24	NF3686A	CLOSEUP OF FRACTURE AT NORTHEAST PAVEMENT STUDY AREA ON DEAD YUCCA RIDGE.
	25	NF3687A	SOUTHEAST VIEW OF FRACTURE SWARM AT NORTHEAST PAVEMENT STUDY AREA ON DEAD YUCCA RIDGE. FRACTURE SHOWN IN NF3686A IS ON RIGHT.
9/20/84	26	NF3686	ROCK VALLEY 2 TRENCH - SHOT NORTH TO SOUTH.
	27	NF3687	ROCK VALLEY 2 TRENCH - SHOT SOUTH TO NORTH.
	28	NF3688	ROCK VALLEY 2 TRENCH - GROUP SHOT AND GRIDDED WALL.
	29	NF3689	ROCK VALLEY 1 TRENCH - CLOSEUP OF MAJOR TRENCH FEATURES.
	30	NF3690	ROCK VALLEY 1 TRENCH - SHOT SOUTH TO NORTH.
	31	NF3691	YUCCA TRENCH 11 - VIEW FROM EAST END.
	32	NF3692	YUCCA TRENCH 13 - VIEW FROM WEST END.
	33	NF3693	YUCCA TRENCH 14 - WEST SIDE OF EXILE RIDGE. VIEW FROM WEST END.
	34	NF3694	YUCCA TRENCH 14 - FAULT EXPOSURE.
	35	NF3695	YUCCA TRENCH 14 - FAULT EXPOSURE.
	36	NF3696	YUCCA TRENCH 14 - ALLUVIUM ABOVE FAULT, SOUTH WALL.
9/21/84	37	NF3697	TRENCH 10B - SOLITARIO CANYON FAULT ZONE. WEST SIDE OF YUCCA MOUNTAIN.
	38	NF3698	TRENCH 10B - FAULT INDICATION, SOUTH WALL
	39	NF3699	VIEW OF CINDER CONES ACROSS CRATER FLAT FROM TRENCH 8. (8KM DISTANCE FROM TRENCH 8). BARE MOUNTAIN IN BACKGROUND.
	40	NF3700	VIEW OF LATHROP WELLS CONE FROM TRENCH 8 (12 KM).

NRC-LIST PICTURE NUMBER	NEGATIVE NUMBER	DESCRIPTION
41	NF3701	YUCCA MOUNTAIN TRENCH 8. VIEW FROM WEST END.
42	NF3702	TRENCH 8 - FRACTURE CONTAINING BASALTIC ASH SOUTH WALL. DATED AT 1.1 MILLION YEARS.
43	NF3703	CONTINUATION OF FAULT INDICATION ON NORTH WALL OF TRENCH 8.
44	NF3704	CF1 TRENCH. VIEW TO THE WEST.
45	NF3705	CF1 TRENCH - FAULT RELATED FEATURE.
46	NF3706	GROUP SHOT AT CF1. BARE MOUNTAIN AND CONES IN BACKGROUND.
47	NF3707	CF2 TRENCH. VIEW FROM EAST END.
48	NF3708	CF3 TRENCH. VIEW FROM WEST END.
49	NF3709	CF2 TRENCH - MAIN FAULT. SHEARED AND MASSIVE CARBONATE.
50	NF3710	CF2 TRENCH - FAULT FROM OUTSIDE OF TRENCH - LOOKING SOUTH.