

Barcode	Document Name	Document Date	Addressee (To)	Originator (From)	Code No	Box Code
SURF009643	Static Groundwater Level Record: TUB01,	5/11/1988	File	Jacobs Engineering	TUB 625.15.15(B)	TUBS 10
SURF009644	Static Groundwater Level Record: TUB01	6/27/1989	File	Jacobs Engineering	TUB 625.15.15(B)	TUBS 10
SURF009645	Static Groundwater Level Record: TUB01 71021	10/31/1990	File	Jacobs Engineering	TUB 625.15.15(B)	TUBS 10
SURF009646	Static Groundwater Level Record: TUB01 71022	3/9/1991	File	Jacobs Engineering	TUB 625.15.15(B)	TUBS 10
SURF009647	Static Groundwater Level Record: Tuba City 01	4/1/1992	File	Jacobs Engineering	TUB 625.15.15(B)	TUBS 10
SURF009648	Static Groundwater Level Record: TUB01 71024	8/30/1993	File	Jacobs Engineering	TUB 625.15.15(B)	TUBS 10
SURF009649	Static Groundwater Level Record: TUB01 71025	5/16/1994	File	Jacobs Engineering	TUB 625.15.15(B)	TUBS 10
SURF009650	UMTRA Water Sampling Field Forms: TUB01	4/19/1995	File	Jacobs Engineering	TUB 625.15.15(B)	TUBS 10
SURF009651	UMTRA Water Sampling Field Forms: TUB01 71027	3/6/1996	File	Jacobs Engineering	TUB 625.15.15(B)	TUBS 10
SURF009652	Package of Memos: Tuba City Water Sampling Field Work Summary. Conducted on April 25, 1996, December 26, 1995, May 8, 1995, October 25, 1994, June 22, 1994, September 17, 1993, January 7, 1993, October	4/25/1996	J. Carman, TAC	R. Sengebush, TAC	TUB 625.15.15(B)	TUBS 10
SURF009653	Scope of Work: Flow Meter Reading and Water Level Measurements. Tuba City.	3/18/1988	File	Jacobs Engineering	TUB 625.15.15(B)	TUBS 10
SURF009654	Package of Memos and Locations: Tuba City Water Sampling Plan for these dates; April 5, 1988, July 12, 1988, November 9, 1988, April 20, 1989, February 12, 1990, May 17, 1990, Febru	4/5/1988	File	E. Storms	TUB 625.15.15(B)	TUBS 10

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	ary 19, 1991, June					
SURF009655	Memo: DO and Water Sampling Work Plan for Assisiting UNM at Tuba City Week of October 23, 1995.	10/19/1995	File	G. Hartman	TUB 625.15.15(B)	TUBS 10
SURF009656	Attached to a hard copy of this memo is a copy of the "Work plan for Water Sampling at Tuba City, UMTRA Site, prepared by the University of New Mexico.	8/17/1995	R. Edge, DOE	A. Holm, UMT RA	TUB 625.15.15(B)	TUBS 10
SURF009657	Document: Center of Radioactive Waste Management. Work plan for water sampling at Tuba City.	7/25/1995	File	University of New Mexico	TUB 625.15.15(B)	TUBS 10
SURF009658	Memo: Request for more existing cores and water sampling.	7/24/1995	J. Carman	A. Holm, UMT RA	TUB 625.15.15(B)	TUBS 10
SURF009659	Letter: Please review the enclosed copy of the subcontract scope-of-work for the upcoming field activities for the Tuba City, UMTRA Site.	6/20/1995	R. Charley, Navajo Nation	R. Edge, DOE	TUB 625.15.15(B)	TUBS 10
SURF009660	Letter: Activities include the installation of approximately 22 wells and construction of support facilities for soil stabilization efforts.	6/17/1995	R. Charley, Navajo Nation	R. Edge, DOE	TUB 625.15.15(B)	TUBS 10
SURF009661	Memo: Draft work Plan and SOW for Drilling at Tuba City.	1/10/1995	E. Artiglia	G. Ruskauff	TUB 625.15.15(B)	TUBS 10
SURF009662	Letter with Attachment: Enclosed is the proposed water quality sampling and analysis work order for Tuba City. Groundwater quality sampling and measurement of water levels on selected monitor well loc	8/4/1994	B. Martin, Navajo UMTRA	D. Metzler, DOE	TUB 625.15.15(B)	TUBS 10
SURF009663	Memo: Request Groundwater Quality Sample Acquisition and Analysis for Tuba City. Groundwater quality sampling of selected monitor well locations at the Tuba City Site.	7/15/1993	P. Zietz	E. Storms	TUB 625.15.15(B)	TUBS 10
SURF014075	Pump Recovery Test (Package): Site-TUB-01, Method-Well Sounder.	8/29/1985	File	P. Darr	TUB 625.15.15(B)	TUBS 10

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SURF014076	Packer (Drill Stem) Test: Site-TUB01, Location ID-906.	11/27/1984	File	Jacobs Engineering Group	TUB 625.15.15(C)	TUBS 11
SURF014077	Slug Test Data: Site ID-TUB01, Location ID-919.	10/8/1985	File	Jacobs Engineering	TUB 625.15.15(C)	TUBS 11
SURF026723	Tuba City, Arizona, Water Sampling Scope - August 1994.	8/1/1994	Field Crew	Rob Sengebusch	TUB 625.15.15(C)	TUBS 11
SURF026724	Tuba City, Arizona - Water Sampling Scope - April 1995.	4/1/1995	Sampling Team	Rob Sengebusch	TUB 625.15.15(C)	TUBS 11
SURF026776	Trip Report: Summary Trip Report, March 27, 1996. Tuba City, Arizona, UMTRA Site Aquifer Testing. Recorded by Jeff Carman and Joe Ritchey. The purpose of the trip was to Perform Aquifer Tests and	3/11/1996	File	Jacobs Engineering Group	TUB 625.15.15(C)	TUBS 11
SURF009784	Memo: Issues Raised By Inclusion of Organic Compounds in the Sampling Program at Tuba City.	10/11/1995	S. Wright	P. Eberly	TUB 625.20(A)	TUBS 11
SURF009785	Memo: Chemical Analyses of TUB Cores. (Suggested Procedures Attached)	10/24/1984	T. Farmer	J. Brinkman	TUB 625.20(A)	TUBS 11
SURF009804	Report: Results of Hydrogeologic and Geochemical Investigation for the Little Colorado River Basin, Hydrogeologic Framework, Parameter Estimation and Modeling Results. (Volume I, Final Report)	6/4/1991	Bureau of Indian Affairs	Hydro Geo Chem, Inc.	TUB 625.20(A)	TUBS 11
SURF009805	Letter: My response to your request was authorized by J. Sorrell of the Bureau of Indian Affairs. Requested information is attached.	1/20/1995	A. Goffman, Weston Inc.	M. Wickham, Hydrologist	TUB 625.20(A)	TUBS 11
SURF009806	Report: Data for the Geochemical Investigation of UMTRAP Designated Site at Tuba City.	9/1/1983	Department of Energy	G. Markos and K. Bush, Chemistry Research	TUB 625.20(A)	TUBS 11
SURF011853	Field Notes: Ecological risk field survey. Looked for surface ex	4/26/1993	File	C. Burt, Jacobs	TUB 625.35(A)	TUBS 11

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	pression of groundwater between the Tuba City Site and Moenkopi Wash. (Includes a Map of Route Taken)			Engineering		
SURF011854	Field Notes: Uranium mill tailings remedial action project, Jacobs Engineering Group, Inc. Collect surface water and sediment samples from Moenkopi Wash and Seep for the Tuba City Site Ecological ris	4/27/1993	File	C. Day, Jacobs Engineering	TUB 625.35(A)	TUBS 11
SURF011855	Memo: General Inorganic Chemical Analysis of Baseline Risk Assessment Samples from the Tuba City Site. Six Surface water and sediment samples from the TUB01 is required analysis for six general inorg	6/3/1993	R. Muniz	P. Zietz	TUB 625.35(A)	TUBS 11
SURF011856	Memo: Uranium Analysis of Baseline Risk Assessment Samples from the Tuba City Site.	6/3/1993	R. Muniz	P. Zietz	TUB 625.35(A)	TUBS 11
SURF011857	Letter: Baseline Risk Assessment for Groundwater Contamination at the Uranium Mill Tailings Site Near Tuba City.	7/16/1993	A. Chernoff, DOE	R. Nelson, Jacobs Engineering	TUB 625.35(A)	TUBS 11
SURF011858	Memo: Two unfiltered surface water and two sediment samples were collected for Moenkopi Wash in support of the ongoing Baseline Risk Assessment for the Tuba City UMTRA Project Site.	7/20/1993	E. Storms	C. Day	TUB 625.35(A)	TUBS 11
SURF011859	Memo: Review of Tuba City Risk Assessment.	1/19/1994	C. Day	F. Jones	TUB 625.35(A)	TUBS 11
SURF011860	Letter: We have agreed on an approach for dealing with the new data in the context of completing the Tuba City baseline assessment. Len Flowers is reviewing the existing document in light of the new	3/25/1994	R. Saar	D. Metzler	TUB 625.35(A)	TUBS 11
SURF011861	Memo: The Supplement to the Tuba City Baseline Risk Assessment has been completed and delivered to the UMTRA Project Document Control Center.	3/29/1996	R. Saar, TAC	B. Malczewska, TAC	TUB 625.35(A)	TUBS 11

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SURF011862	Letter: Baseline Risk Assessment for Ground Water Contamination. This revision incorporates changes made to the document in response to recent UMTRA Project Office comments. This is a task plan deliv	6/14/1994	A. Chernoff, UMTRA	R. Nelson, Jacobs Engineering	TUB 625.35(A)	TUBS 11
SURF011863	Report: Baseline Risk Assessment for Groundwater Contamination at the Uranium Mill Tailings Site Near Tuba City, Arizona.	7/1/1993	File	Jacobs Engineering	TUB 625.35(A)	TUBS 11
SURF014085	Memo with Attachments: Surface water and sediment sampling at Tuba City UMTRA Project Site.	5/26/1993	P. Zietz	C. Day	TUB 625.35(A)	TUBS 11
SURF011904	Report: Radiologic Characterization of the Tuba City, Arizona, Uranium Mill Tailings Remedial Action Site.	9/1/1984	U.S. Department of Energy	Bendix Field Engineering	TUB 630.10(A)	TUBS 11
SURF011905	Radiological Survey of the Inactive Uranium-Mill Tailings at Tuba City, Arizona	1/1/1980	File	Oak Ridge National Laboratory	TUB 630.10(A)	TUBS 11
SURF012209	Letter: Enclosed are water quality analyses for three wells that I think are located in the area you mentioned. Because the groundwater flow direction is towards Moenkopi wash, the three wells are rep	4/6/1993	D. Williams	D. Metzler, UMTRA	TUB 635.02(A)	TUBS 11
SURF012210	Letter: The DOE is in receipt of your letter dated March 2, 1993, in the afternoon following my Uranium Mill Tailings Remedial Action Groundwater presentation.	4/6/1993	D. Gebhardt, Hopi Tribe	D. Metzler, DOE	TUB 635.02(A)	TUBS 11
SURF012211	Letter: The draft Tuba City, "Groundwater Project" document has been reviewed by the office of Mining and Mineral Resource Staff. We feel the following comment and questions should be addressed prior	3/3/1993	R. Edge, DOE	N. Honie, Hopi	TUB 635.02(A)	TUBS 11
SURF012212	Letter: Cathy White of your office called to confirm the change from the Tuba City Community Center to the Tuba City Chapter	1/29/1993	M. Roanhorse, Navajo	M. Majors, Jacobs	TUB 635.02(A)	TUBS 11

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	House. She indicated she would forward the necessary paperwork for payment		Nation			
SURF014104	Letter: Tuba City UMTRA Site Groundwater Contamination.	3/2/1993	Department of Energy, UMTRA	D. Gebhart, Hopi Tribe	TUB 640.02(A)	TUBS 11
SURF012236	Letter: With respect to the designated site near Tuba City, I would advise that you appear to have the site appropriately outlined as it existed at the time of decommissioning; however, there are appa	11/26/1979	W. Mott, DOE	L. FitzRando, Associate Director	TUB 640.02(A)	TUBS 11
SURF012237	Letter: A "summary of Data Requirements" has been added as an appendix to the PSCR and will be deleted when all necessary data are available. We are preparing a proposed program for the collection of	6/16/1983	J. Morley, DOE	R. Krishnan, Jacobs	TUB 640.02(A)	TUBS 11
SURF012238	Letter and Attachments: The TAC will supervise radiological data acquisition field work by Bendix Field Engineering Corporation at Tuba City.	5/2/1984	R. Blanton	J. Morley, UMT RA	TUB 640.02(A)	TUBS 11
SURF012239	Letter: The descriptions and supporting data will be useful in the characterization of the site and in the preparation of the environmental assessment.	3/26/1985	L. Martinez, Conservationist	J. Hoopes, Project Engineer	TUB 640.02(A)	TUBS 11
SURF012240	Memo and Attachment: Attached please find a copy of our "Geology of the Tuba City Area".	4/19/1985	B. Mason	R. Rager	TUB 640.02(A)	TUBS 11
SURF012241	Memo and Attachments: Attached for your review are draft responses to MK comments on the following preliminary draft documents; Tuba City Remedial Action Plan; Tuba City Processing Site Characterizat	10/1/1985	J. Themelis, UMTRA	R. Williams, Jacobs	TUB 640.02(A)	TUBS 11
SURF012242	Memo: Response to Morrison-Knudsen Comments on Tuba City, Draft Processing Site Characterization Report.	3/24/1986	R. Rager	A. Harvey	TUB 640.02(A)	TUBS 11

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SURF012243	Memo and Attachments: Attached for your review are letters from the Navajo Nation with staff comments on the subject documents.	2/18/1986	B. Knight	B. Mason	TUB 640.02(A)	TUBS 11
SURF012244	Letter: Comments pertaining to the draft version of the "Processing Site Characterization, Appendix B of the Remedial Action Plan for Stabilization of the Inactive uranium mill tailings site at Tuba	2/12/1986	J. Themelis, DOE	T. Begay, Navajo Nation	TUB 640.02(A)	TUBS 11
SURF012245	Letter: I have reviewed the subject document and find no problems with this document. However, this document was not reviewed by a NAIHS geologist. The report could be enhanced by placing a map in the	2/4/1986	C. Reaux, Chief, OHICB, NAIHS	T. Begay, UMT RA	TUB 640.02(A)	TUBS 11
SURF012246	Record of Meeting Notes: To respond to Navajo Comments on TUB PSCR.	1/6/1985	File	E. Mulford	TUB 640.02(A)	TUBS 11
SURF012247	Letter: We are in the process of responding to your comments. However, our response would be more complete if you would provide us with the following information; Aquifer Test Data, Your Projections	1/9/1986	M. Zaman, Navajo Nation	J. Thackston, Jacobs	TUB 640.02(A)	TUBS 11
SURF012248	Letter: Please prepare written responses to comments on your material, in a form that might be incorporated into the TUB RAP-Appendix D. So state if any comments have been addressed by the current dra	12/31/1985	J. Smith	B. Mason	TUB 640.02(A)	TUBS 11
SURF012249	Memo: Processing Site Characterization Report, Appendix B.	12/26/1985	T. Begay, Navajo Nation	S. Pollack	TUB 640.02(A)	TUBS 11
SURF012250	Memo: Because of delayed inputs by certain departments, this draft has been delayed and has not yet received final editing; this is currently in process and will be completed on November 14, 1985	11/13/1985	J. Caldwell	B. Mason	TUB 640.02(A)	TUBS 11

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SURF012251	Letter and Attachments: Enclosed for your review is the Processing Site Characterization for the Tuba City site. This report was intended to be Appendix B of the Remedial Action Plan, which has been	11/20/1985	J. Themelis, UMTRA	R. William, Jacobs	TUB 640.02(A)	TUBS 11
SURF012252	Memo: Comments on the Draft Processing Site Characterization Appendix B of the Remedial Action Plan for Stabilization of the Inactive Uranium Mill Tailings Site at Tuba City.	12/16/1985	T. Begay, Navajo Nation	M. Zaman, Water Management	TUB 640.02(A)	TUBS 11
SURF012253	Report: Processing Site Characterization Appendix B of the Remedial Action Plan for Stabilization of the Inactive Uranium Mill Tailings site at Tuba City, Arizona.	11/1/1985	File	DOE	TUB 640.02(A)	TUBS 11
SURF012254	Reports: Site Characterization - Tuba City. 1. Processing Site Characterization Report for the Inactive Uranium Mill Tailings Site at Tuba City. 2. Draft Processing Site Characterization Appendix	6/1/1983	DOE	J. Morley	TUB 640.02(A)	TUBS 11
TUB 000079	Biological Denitrification of Tuba City Groundwater.	4/4/1996	File	D. Liles, Acurex Environmental Corp.	TUB 640.02(A)	TUBS 11
TUB 000080	Analytical Report Job Number- 960405	2/28/1996	File	D. Morris, Core Laboratories	TUB 640.02(A)	TUBS 11
TUB 000081	Denit. test status at Acruex.	1/29/1996	A. Holm	H. George	TUB 640.02(A)	TUBS 11
TUB 000082	The final uranium and radiochemical results for the TUB01-0906 and TUB01-0908 composite sample collected on December 15th are tabulated below.	1/4/1996	G. Harmann	P. Zietz	TUB 640.02(A)	TUBS 11
TUB 000083	Tuba City Pilot Plant Design concept memorandum (DCM)	10/6/1995	J. Carman	A. Holm	TUB 640.02(A)	TUBS 11
TUB 000084	Ground Water Remediation work for the UMTRA Sites. (Second Progress Report, June 1995 to August 1995)	8/31/1995	File	Center for Radioactive Waste Management,	TUB 640.02(A)	TUBS 11



