Barcode	Document Name	Document Da	Addressee (Originator (Fro	Code No	Box Code
		te	То)	m)		
SURF009666	Memo: General Inorganic Chemical Analysis of Samples from Tu ba City Site.	8/4/1993	R. Muniz	E. Artiglia	TUB 699.19(B)	TUBS 15
SURF009667	Memo: Uranium Analysis of Samples from Tuba City Site.	8/4/1993	R. Muniz	E. Artiglia	TUB 699.19(B)	TUBS 15
SURF009668	Memo: Analysis of Samples for the University of Arizona Plant U ptake Study and Field Blank Reagent Water.	10/18/1994	R. Muniz	P. Zietz	TUB 699.19(B)	TUBS 15
SURF009669	Memo: Request for Final Report for TUB01, Delivery Order No. 018-A and W1-A.	2/8/1994	S. Haberme hl	P. Zietz	TUB 699.19(B)	TUBS 15
SURF009670	Memo: Water Chemical Analysis at the Tuba City Site.	8/2/1991	D. Nienow	M. Minteer	TUB 699.19(B)	TUBS 15
SURF009671	Letter: We perfer you use the format for reporting revisions as sp ecified in the new conctract, which is the same format as specifie d for total and final reports.	12/18/1991	M. Burkhardt	K. Turnham, Ja cobs Engineeri ng	TUB 699.19(B)	TUBS 15
SURF009672	Letter: Deficiencies were noted in analytical results. These defici encies will all necessitate submission of reanalysis results. The d eficiencies are listed.	10/24/1991	M. Burkhardt	M. Minteer	TUB 699.19(B)	TUBS 15
SURF009673	Memo: Water Chemical Analysis at the Tuba City Site. 95642	6/6/1991	D. Nienow	K. Turnham	TUB 699.19(B)	TUBS 15
SURF009674	Letter: In accordance with the terms and conditions of subcontra ct Number 05-62350-S-91-0009 for radiochemical analysis of wa ter samples.	6/6/1991	C. Ramsay	D. Nienow	TUB 699.19(B)	TUBS 15
SURF009675	Memo: Radiochemical Analysis of Water Samples from the Tuba City Site.	3/3/1992	D. Nienow	M. Minteer	TUB 699.19(B)	TUBS 15
SURF009676	Memo: Analysis for Tuba Ion Exchange Treated Water.	1/22/1996	P. Zietz	G. Hartman	TUB 699.19(B)	TUBS 15
SURF009677	Letter: Enclosed per your request is water quality sampling data from the two wells at Tuba City, Arizona that we are planning to s end to you for denitrification treatability analysis.	12/12/1995	D. Liles, Acc urex	G. Hartman, Ja cobs Engineeri ng	TUB 699.19(B)	TUBS 15
SURF009678	Memo: General Inorganic Analysis of Samples for the Tuba City Plant Uptake Study.	5/1/1995	R. Muniz	P. Zietz	TUB 699.19(B)	TUBS 15
SURF009679	Letter: In response to conversations concerning nitrate analytical	9/16/1992	M. Minteer	L. Benkers	TUB 699.19(B)	TUBS 15

Barcode	Document Name	Document Da	Addressee (Originator (Fro	Code No	Box Code
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	values reported on two separate jobs for your TUB01 Tuba City Sampling Site.					
SURF009680	Memo: Due to loss of staff and supervisory personnel, they woul d be unable to provide analytical data in the contractually require d time frame.	6/8/1992	E. Artiglia	W. Downs	TUB 699.19(B)	TUBS 15
SURF009681	Memo: Water Sampling team will be sending a maximum of 17 w ater samples, including knowns and replicates, to Core Laborator ies starting the week of November 28, 1988.	11/10/1988	A. Archuleta	M. Gilbert	TUB 699.19(B)	TUBS 15
SURF009682	Letter and Attachment: Tuba City Water Analysis. Please prepar e known solutions as indicated below. Labeled bottles will be sen t to you by our sampling team manager.	11/10/1988	M. Hollenba ch, UNC	F. Titus, Jacobs Engineering	TUB 699.19(B)	TUBS 15
SURF009683	Package: Water Quality Analytical Reports, Barringer Laboratori es.	11/12/1991	File	Jacobs Engine ering	TUB 699.19(B)	TUBS 15
SURF009684	Package: Water Quality Analytical Reports. (Barringer, DO Num ber 011, 019, 023, 012, and 006).	3/3/1986	File	Barringer Labor atories	TUB 699.19(B)	TUBS 15
SURF009685	Package: Water Quality Analytical Reports. (Barringer DO Numb er 011).	6/29/1990	File	Barringer Labor atories	TUB 699.19(B)	TUBS 15
SURF009686	Package: Water Quality Analytical Reports. (Barringer DO Numb er 012)	9/18/1992	File	Barringer Labor atories	TUB 699.19(B)	TUBS 15
SURF009687	Package: Water Quality Analytical Reports. (Barringer DO Numb er 019)	9/13/1988	File	Barringer Labor atories	TUB 699.19(B)	TUBS 15
SURF009688	Package: Water Quality Analytical Reports. (DO Number 023)	4/1/1986	File	Barringer Labor atories	TUB 699.19(B)	TUBS 15

Barcode	Document Name	Document Da	Addressee (Originator (Fro	Code No	Box Code
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SURF009689	Package: Water Quality Analytical Reports. (Weyerhaeuser DO Number 090C TUB01)	4/30/1996	File	Weyerhaeuser Laboratories	TUB 699.19(C)	TUBS 16
SURF009690	Package: UMTRA TAC Chemical Analytical Results, DO Number 090W TUB01.	4/2/1996	File	Weyerhaeuser Laboratories	TUB 699.19(C)	TUBS 16
SURF009691	Package: Water Quality Analytical Results. 95660	7/17/1984	File	Anonymous La bwork	TUB 699.19(C)	TUBS 16
SURF009692	Letter: UMTRA project is gathering background ground water qu ality information for the Navajo Sandstone Aquifer in order to ass ess ground water in the vicinity of Tuba City UMTRA site.	9/14/1994	J. Sorrell, Bu reau of India n Affairs	A. Groffman, Ja cobs Engineeri ng	TUB 699.19(C)	TUBS 16
SURF009693	Memo: Validation Data Package for August 1993 Tuba City Sam ple Analysis.	4/19/1994	D. Metzler, UMTRA	E. Artiglia, TAC	TUB 699.19(C)	TUBS 16
SURF009694	Memo: Validated Data Package for May 1994 Sampling Round a t the Tuba City, UMTRA Project Site.	11/30/1994	R. Edge, UM TRA	E. Artiglia, TAC	TUB 699.19(C)	TUBS 16
SURF009695	Memo: Data Package for August September and May 1994, Tub a City, Sample Analysis. (Attachment)	11/18/1994	E. Artiglia	P. Zietz	TUB 699.19(C)	TUBS 16
SURF009696	Memo: Data Package for April 1995 Tuba City, AZ Sample Analy sis.	7/17/1995	E. Artiglia	P. Zietz	TUB 699.19(C)	TUBS 16
SURF009697	Letter: Validated data packages for the following UMTRA sites I ocated on Navajo Nation Lands: Monument Valley, Arizona, Mex ican Hat, Utah, Tuba City, Arizona.	3/10/1995	B. Martin, U MTRA	R. Edge, DOE	TUB 699.19(C)	TUBS 16
SURF009698	Memo: Data Package for August 1993, Tuba City AZ Sample An alysis.	3/11/1994	E. Artiglia	P. Zietz	TUB 699.19(C)	TUBS 16
SURF009699	Letter: Summary of Tuba City Organic Compound Sampling Res ults from December 1995.	3/25/1996	S. Wright, T AC	A. Holm, TAC	TUB 699.19(C)	TUBS 16
SURF009700	Data Management Narrative: General Inorganic Analysis; Sever al analyical spike analyses outside the control limit of + or - 15% were reported for selenium. All selenium results associated with t	12/9/1995	File	P. Zietz	TUB 699.19(C)	TUBS 16

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SURF009701	Letter: In response to your request for groundwater data from the Tuba City and Lakeview UMTRA Sites.	8/30/1988	T. Olsen, N RC	J. Garcia	TUB 699.19(C)	TUBS 16
SURF009702	Letter: Final water quality analyses for Tuba City, watersampling . This data package is the result of sampling monitor wells in the vicinity of the Tuba City UMTRA disposal cell for needed informa tio	6/3/1993	A. Taylor, H opi Tribe	D. Metzler, DO E	TUB 699.19(C)	TUBS 16
SURF009703	Memo: Client comments on recent FCT and TUB Sampling Data Packages.	8/16/1993	E. Artiglia	L. Pinkel	TUB 699.19(C)	TUBS 16
SURF009704	Memo and Attachments: Data Package for March and April 1996 Tuba City Sample Analysis. Attached TAC Hydrogeologist/Toxi cologist Summary provides brief response to questions regarding ground water and	7/1/1996	S. Wright, T AC	J. Carman	TUB 699.19(C)	TUBS 16
SURF009705	Memo and Attachments: Review of Data package for April 1993, Tuba City Sample Analysis. Two surface water and two sedime nt samples were collected from Moenkopi Wash for baseline risk assessment purp	10/4/1993	E. Artiglia	E. Storms	TUB 699.19(C)	TUBS 16
SURF009706	Memo and Attachments: Data Package for December 1995, Tub a City. TAC Hydrogeologist/Toxicologist summary provides brief responses to questions regarding ground water and surface wate r compliance for	3/22/1996	S. Wright	A. Holm	TUB 699.19(C)	TUBS 16
SURF009707	Memo And Attachments: Data Package for April, 1992 Tuba Cit y Water Sampling. Tnsi data package is being submitted in accor dance with the data Validation and release procedures that are n ow being impl	9/15/1992	E. Artiglia	P. Zietz	TUB 699.19(C)	TUBS 16
SURF009708	Memo and Attachments: Data package for December 1992, Tub a City Sample Analysis. Enclosed in the package are the data a	5/4/1993	D. Metzler, UMTRA	E. Artiglia, TAC	TUB 699.19(C)	TUBS 16

Barcode	Document Name	Document Da	Addressee (Originator (Fro	Code No	Box Code
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	ssessment package, data management narritive, suspected ano malies report, anoma					
SURF009709	Memo and Attachments: Data Package for September 1992, Tu ba City, Sample Analysis. Enclosed in the package are the data assessment package, data management narritive, suspected an omalies report, ano	8/4/1993	D. Metzler, UMTRA	E. Artiglia, TAC	TUB 699.19(C)	TUBS 16
SURF009710	 Report: The Tuba City Uranium Tailing Pile. (1 Introduction (2 Hi story of the Milling Operations (5 Present Condition of Site (7 Pre vious Work (10 Discussion (14 Research Strategy and Design (1 7 Notes 	6/30/1983	File	K. Vandemoer, University of Ari zona	TUB 699.19(C)	TUBS 16
SURF009711	Report: DOE "Pollution of Ground Water Due to Inactive Uraniu m Mill Tailings Piles", also, FY 1980 Milestone Chart.	2/6/1980	File	G. Markos	TUB 699.19(C)	TUBS 16
SURF009712	Report: Hydrology and Geology of Uranium Tailings site at Tuba City. (Center for Health and Environmental Studies)	7/1/1976	File	K. Fuhriman, Ci vil Engineering	TUB 699.19(C)	TUBS 16
SURF009713	Report: This is a paper that C. Vandemoer wrote for a class she was taking concerning an aquifer test for the Navajo Sandstone at Tuba City.	6/7/1984	P. Darr	C. Vandemoer	TUB 699.19(C)	TUBS 16
SURF009714	Memo and Report: Tuba City Field Work; This material is provide d for your use in developing the field program for subsurface inve stigation.	7/22/1983	K. Baker	W. Mason	TUB 699.19(C)	TUBS 16
SURF009715	Letter and Report: Groundwater Monitoring Reports; Per your re quest of December 7, 1988, please find enclosed Groundwater Monitoring Reports for the following UMTRA project Sites- Ambr osia Lake, Dura	2/1/1989	J. Oldham, MK	D. Dubois, Jaco bs	TUB 699.19(C)	TUBS 16
SURF009716	Letter and Report: Analysis of Tuba City Groundwater Flushing T ime; The report provides details on the different approaches to e stimating the flushing time, and the reasons why different times a	9/28/1987	J. Anderson, UMTRA	D. Dubois, Jaco bs Engineering	TUB 699.19(C)	TUBS 16

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SURF009717	Letter and Report: The Draft report was reviewed by G. Ruskoff, E. Storms and DOE, and there are comments attached.	12/14/1994	E. Wightman	G. Ruskoff	TUB 699.19(C)	TUBS 16
SURF009718	Letter and Attachement: Comments on UMTRA Technical Docu ments, Tuba City Site. Navajo comments are attached.	8/9/1995	R. Edge	B. Martin	TUB 699.19(C)	TUBS 16
SURF009719	Report: Geophyical Survey at Tuba City	11/1/1994	Department of Energy	Geraghty and Miller Inc.	TUB 699.19(C)	TUBS 16
SURF009720	Reports: Water Well Drilling Application/Permit forTribel Well. D rillers are Sergent, Hauskins, and Beckwith.	1/10/1984	Jacobs Engi neering	Navajo Tribe, D iv. of water Res ources	TUB 699.19(C)	TUBS 16
SURF009721	Report: Water Quality Data Tuba City UMTRA Site, Preliminary.	4/1/1985	File	UMTRA DOE	TUB 699.19(C)	TUBS 16

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SURF009722	Letter and Calculations: Enclosed is a copy of the revised calcula	3/29/1989	L. Shingoite	M. Matthews	TUB 699.19(D)	TUBS 17
	tion of contaminant dispersion in uppermost aquifer. The calculat		wa, Navajo			
	ion, computer output and supporting documentation are provided as Enc		Nation			
SURF009723	Letter: Reviewed Comments from A. Brown consultants, Inc. Co	2/23/1989	L. Shingoite	M. Matthews	TUB 699.19(D)	TUBS 17
	ncerning the Methodology used for Concluding Nitrate Concentra tions.		wa			
SURF009724	Letter: Tuba City UMTRA Project Site: Response to questions fro m Adrial Brown Consultants, Inc.	2/15/1989	M. Matthews , UMTRA	D. Dubois, Jaco bs Engineering	TUB 699.19(D)	TUBS 17
SURF009725	Report: Tuba City UMTRA Project: Comments on DOE Recalcu lation of Lateral Extent of Nitrate Travel.	1/27/1989	File	Adrian Brown C onsultants, Inc.	TUB 699.19(D)	TUBS 17
SURF009726	Letter: States MK request to pump Rare Metals for water supply during remediation of the Tuba City Site. Attached are calculatio ns used to predict the impact of pumping this well at 60 gpm for a perio	2/12/1987	D. Mann, D OE-AL	L. Shingoitewa, Hopi Tribe	TUB 699.19(D)	TUBS 17
SURF009727	Memo: Nitrate Analyses for TUB Ground Water.	1/3/1986	G. Rice	B. Deutsch	TUB 699.19(D)	TUBS 17
SURF009728	Memo with Attachments: TUB DEA/DRAP Calculation Checks. TUB DEA and DRAP calculations have been Checked according to SOP guidelines for Analysis of data and peer review as specif ied in the Albuquerq	10/24/1985	J. Thackston	S. Colarullo	TUB 699.19(D)	TUBS 17
SURF009729	Documents: Estimate of percolation from Tailings Pile.	2/15/1983	File	Ford, Bacon, a nd Davis Utah I nc.	TUB 699.19(D)	TUBS 17
SURF009730	Report: Environmental Assessment of Remedial Action at the Tu ba City Uranium Mill Tailings site, Tuba City.	11/1/1986	File	DOE-UMTRA	TUB 699.19(D)	TUBS 17
SURF009731	Calculation Sheet: UMTRA Tuba City, Dispersivity Analysis, Hyd rology-7 sheets.	3/15/1989	File	Jacobs Engine ering	TUB 699.19(D)	TUBS 17

Barcode	Document Name	Document Da	Addressee (To)	Originator (Fro	Code No	Box Code
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SURF009732	Package, Reports: Site-TUB01, DO No. 32, Water Quality Analy tica Results, Subcontract Number 34-6705-S-90-00033.	11/19/1990	File	Barringer Labor atories	TUB 699.19(D)	TUBS 17
SURF009733	Letter with Attachments: A report of the analytical results is cont ained in the attached "Water Quality Analytical Results" form sup plied by Jacobs Engineering Group, Inc.	2/15/1985	J. Themelis,	R. Chessmore	TUB 699.19(D)	TUBS 17
SURF009734	Letter with Attachments: A report of the analytical results with th e exception of Ra-228 was sent previously. The Ra-228 results a re reported on the attached "Water Quality Analytical Results" for m s	4/2/1985	J. Themelis	R. Chessmore	TUB 699.19(D)	TUBS 17
SURF009735	Letter with Attachments: The known values for these samples, t he results obtained by the Bendix Laboratory, and the results rep orted by Jacobs field personnel are contained in the attached rep ort.	4/30/1986	J. Themelis	R. Chessmore	TUB 699.19(D)	TUBS 17
SURF009736	Memo with Attachments: Preliminary Water-Quality Results for Tuba City. Maps, etc.	2/11/1985	J. Brinkman	D. Betsill	TUB 699.19(D)	TUBS 17
SURF009737	Letter and Attachments: Attached are chemical analyses of wat er from NTUA wells 3 and 5 at Tuba City.	12/17/1971	F. Alexander	E. McGavock	TUB 699.19(D)	TUBS 17
SURF009738	Package Reports: Site-TUB01, Water Quality Analytical Results, Subcontract Number 05-62350-S-93-0031.	11/17/1994	File	Core Laboratori es	TUB 699.19(D)	TUBS 17
SURF009739	Memo with attachment: Tuba City Water Analyses. The water sa mpling team will be sending 17 water samples, including known and replicates, to Core Laboratories starting the week of Nove mber 28, 1988.	11/10/1988	A. Archuleta	M. Gilbert	TUB 699.19(D)	TUBS 17
SURF009740	Memo and Attachments: Please prepare known solutions as indi cated below. Labeled Bottles will be sent to you by our sampling team manager. The known solutions should be bottled as indicat ed on the at	11/9/1988	M. Hollenba ch	F. Titus	TUB 699.19(D)	TUBS 17

Barcode	Document Name	Document Da	Addressee (To)	Originator (Fro	Code No	Box Code
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SURF009741	Memo: Analytical Testing for Tuba City. Submit work order plan f rom the last round of analytical testing.	10/20/1988	E. Storms	M. Gilbert	TUB 699.19(D)	TUBS 17
SURF009742	Memo: Tuba City Water Sampling. The latest round of sampling has been completed at the Tuba City Site.	1/9/1989	E. Storms	J. Fritts	TUB 699.19(D)	TUBS 17
SURF009743	Letter: Sample Analysis; Approximately 17 samples will be sent t o your lab from the Tuba City UMTRA site begining about Nove mber 30, 1988, barring weather delays. All tests shall be perform ed strictl	12/7/1988	D. Hummel	C. Nester	TUB 699.19(D)	TUBS 17
SURF009744	Memo and Attachment: Radiochemical Analysis of Samples fro m Tuba City. A Maximum of 14 samples from the TUB01 site will be sent to Core Laboratories of Casper for radiochemical analys is.	11/30/1992	R. Muniz	P. Zietz	TUB 699.19(D)	TUBS 17
SURF009745	Package Documents: Water Quality Analytical Results, TUB01, DO Number G4C.	7/9/1993	Jacobs Engi neering	Core Laboratori es	TUB 699.19(D)	TUBS 17
SURF009746	Package: Water Quality Analytical Results, Core Laboratories, D O Number 005.	12/6/1988	File	Core Laboratori es	TUB 699.19(D)	TUBS 17
SURF009747	Memo and Package: Isotopic Uranium Analysis of Tuba City Sa mples. Two water samples from the TUB01 site will be shipped t o Core Laboratories of Casper, for isotopic analysis.	12/1/1995	A. Archuleta	P. Zietz	TUB 699.19(D)	TUBS 17
SURF009748	Package: Water Quality Analytical Results, Core Laboratories, D O Number 007.	12/19/1991	File	Core Laboratori es	TUB 699.19(D)	TUBS 17
SURF009749	Package: Water Quality Analytical Results, Core Laboratories, D O Number 012.	1/24/1990	File	Core Laboratori es	TUB 699.19(D)	TUBS 17
SURF009750	Package: Water Quality Analytical Results, Core Laboratories, D O Number 021.	5/16/1991	File	Core Laboratori es	TUB 699.19(D)	TUBS 17
SURF009751	Package: Water Quality Analytical Results, Core Laboratories, D O Number 030.	10/6/1990	File	Core Laboratori es	TUB 699.19(D)	TUBS 17

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SURF009752	Package: Water Quality Analytical Results, Core Laboratories, D O Number 62.	9/21/1993	File	Core Laboratori es	TUB 699.19(D)	TUBS 17
SURF009753	Package: UMTRA TAC Chemical Analytical Results, Core Labor atories, DO Number 126C, TUB01.	3/19/1996	File	Core Laborator y	TUB 699.19(D)	TUBS 17
SURF009754	Package: Water Quality Analytical Results, Environmental Scien ce Laboratories.	9/27/1991	File	Environmental Science Labwo rk	TUB 699.19(D)	TUBS 17
SURF009755	Package Reports: Alkalinity Reports for REQ. Number 900247, T UB01.	5/12/1995	M. Minteer, J acobs Engin eering	R. Chessmore, RUST	TUB 699.19(D)	TUBS 17

Document Name	Document Da	Addressee (Originator (Fro	Code No	Box Code
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Package: UMTRA TAC Chemical Analytical Results, DO Number 0101, TUB01.	3/5/1996	File	IEA Labwork	TUB 699.19(E)	TUBS 18
Package: UMTRA TAC Chemical Analytical Results, DO Number E2-L, TUB01.	5/26/1995	File	Lockheed Labw ork	TUB 699.19(E)	TUBS 18
Package: Water Quality Analytical Reports.	12/15/1994	File	Microseeps Lab work	TUB 699.19(E)	TUBS 18
Package: Water Quality Analytical Reports - Savannah Laborator ies, DO Number 04.	11/17/1994	File	Savannah Labo ratories	TUB 699.19(E)	TUBS 18
Package: UMTRA TAC Chemical Analytical Results, DO Numbe r 08.	12/5/1994	File	Savannah Labo ratories	TUB 699.19(E)	TUBS 18
Package: UMTRA TAC Chemical Analytical Results, TUB01, DO Number 016.	5/22/1995	File	Savannah Labo ratory	TUB 699.19(E)	TUBS 18
Package: Water Quality Analytical Results, TUB01.	12/16/1988	File	Southwest Res earch Labwork	TUB 699.19(E)	TUBS 18
Package: Water Quality Analytical Results, Weyerhaueser Labor atories, DO Number 011, TUB01.	12/16/1988	File	Weyerhaueser Laboratories	TUB 699.19(E)	TUBS 18
Package: Water Quality Analytical Results, DO Number 017.	5/3/1993	File	Weyerhaeuser Laboratory	TUB 699.19(E)	TUBS 18
Package: UMTRA TAC Chemical Analytical Results TUB01, Nu mber 083W.	1/18/1996	File	Weyerhaeuser Laboratories	TUB 699.19(E)	TUBS 18
	 Package: UMTRA TAC Chemical Analytical Results, DO Number 0101, TUB01. Package: UMTRA TAC Chemical Analytical Results, DO Number E2-L, TUB01. Package: Water Quality Analytical Reports. Package: Water Quality Analytical Reports - Savannah Laborator ies, DO Number 04. Package: UMTRA TAC Chemical Analytical Results, DO Number 08. Package: UMTRA TAC Chemical Analytical Results, TUB01, DO Number 016. Package: Water Quality Analytical Results, TUB01. Package: Water Quality Analytical Results, Weyerhaueser Labor atories, DO Number 011, TUB01. Package: Water Quality Analytical Results, DO Number 017. 	tePackage: UMTRA TAC Chemical Analytical Results, DO Number 0101, TUB01.3/5/1996Package: UMTRA TAC Chemical Analytical Results, DO Number E2-L, TUB01.5/26/1995Package: Water Quality Analytical Reports.12/15/1994Package: Water Quality Analytical Reports - Savannah Laborator ies, DO Number 04.11/17/1994Package: UMTRA TAC Chemical Analytical Results, DO Number of 8.12/5/1994Package: UMTRA TAC Chemical Analytical Results, DO Number r 08.12/5/1994Package: UMTRA TAC Chemical Analytical Results, TUB01, DO Number 016.5/22/1995Package: Water Quality Analytical Results, TUB01.12/16/1988Package: Water Quality Analytical Results, Weyerhaueser Labor atories, DO Number 011, TUB01.12/16/1988Package: Water Quality Analytical Results, DO Number 017.5/3/1993Package: Water Quality Analytical Results, DO Number 017.5/3/1993Package: Water Quality Analytical Results, DO Number 017.5/3/1993	teTo)Package: UMTRA TAC Chemical Analytical Results, DO Number 0101, TUB01.3/5/1996FilePackage: UMTRA TAC Chemical Analytical Results, DO Number E2-L, TUB01.5/26/1995FilePackage: Water Quality Analytical Reports.12/15/1994FilePackage: Water Quality Analytical Reports - Savannah Laborator ies, DO Number 04.11/17/1994FilePackage: UMTRA TAC Chemical Analytical Results, DO Number 04.12/5/1994FilePackage: UMTRA TAC Chemical Analytical Results, DO Number 04.5/22/1995FilePackage: UMTRA TAC Chemical Analytical Results, TUB01, DO Number 016.5/22/1995FilePackage: Water Quality Analytical Results, TUB01.12/16/1988FilePackage: Water Quality Analytical Results, Weyerhaueser Labor 	teTo)m)Package: UMTRA TAC Chemical Analytical Results, DO Number 0101, TUB01.3/5/1996FileIEA LabworkPackage: UMTRA TAC Chemical Analytical Results, DO Number E2-L, TUB01.5/26/1995FileLockheed Labw orkPackage: Water Quality Analytical Reports.12/15/1994FileMicroseeps Lab workPackage: Water Quality Analytical Reports - Savannah Laborator ies, DO Number 04.11/17/1994FileSavannah Labo ratoriesPackage: UMTRA TAC Chemical Analytical Results, DO Number 08.12/5/1994FileSavannah Labo ratoriesPackage: UMTRA TAC Chemical Analytical Results, DO Number 016.12/5/1994FileSavannah Labo ratoriesPackage: UMTRA TAC Chemical Analytical Results, TUB01, DO Number 016.5/22/1995FileSavannah Labo ratoriesPackage: Water Quality Analytical Results, TUB01.12/16/1988FileSouthwest Res earch LabworkPackage: Water Quality Analytical Results, Weyerhaueser Labor atories, DO Number 011, TUB01.12/16/1988FileWeyerhaueser LaboratoriesPackage: Water Quality Analytical Results, DO Number 017.5/3/1993FileWeyerhaeuser LaboratoriesPackage: Water Quality Analytical Results, DO Number 017.5/3/1993FileWeyerhaeuser LaboratoriesPackage: UMTRA TAC Chemical Analytical Results TUB01, Nu1/18/1996FileWeyerhaeuser Laboratories	teTo)m)Package: UMTRA TAC Chemical Analytical Results, DO Number 0101, TUB01.3/5/1996FileIEA LabworkTUB 699.19(E)Package: UMTRA TAC Chemical Analytical Results, DO Number E2-L, TUB01.5/26/1995FileLockheed Labw orkTUB 699.19(E)Package: Water Quality Analytical Reports.12/15/1994FileMicroseeps Lab workTUB 699.19(E)Package: Water Quality Analytical Reports - Savannah Laborator ies, DO Number 04.11/17/1994FileSavannah Labo ratoriesTUB 699.19(E)Package: UMTRA TAC Chemical Analytical Results, DO Numbe r 08.2/2/1995FileSavannah Labo ratoriesTUB 699.19(E)Package: UMTRA TAC Chemical Analytical Results, TUB01, DO Number 016.5/22/1995FileSavannah Labo ratoriesTUB 699.19(E)Package: Water Quality Analytical Results, TUB01.12/16/1988FileSouthwest Res earch LabworkTUB 699.19(E)Package: Water Quality Analytical Results, TUB01.12/16/1988FileSouthwest Res earch LabworkTUB 699.19(E)Package: Water Quality Analytical Results, DO Number 017.5/3/1993FileWeyerhaueser LaboratoriesTUB 699.19(E)Package: Water Quality Analytical Results, DO Number 017.5/3/1993FileWeyerhaueser LaboratoriesTUB 699.19(E)Package: UMTRA TAC Chemical Analytical Results, DO Number 017.5/3/1993FileWeyerhaueser LaboratoriesTUB 699.19(E)Package: UMTRA TAC Chemical Analytical Results, DO Number 017.5/3/1993FileWeyerhaueser LaboratoryT

Barcode	Document Name	Document Da	Addressee (Originator (Fro	Code No	Box Code
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SURF009767	Letter: Ground Water Sampling Activities at the DOE UMTRA Pr	2/9/1996	R. Edge, UM	S. Wright, Jaco	TUB 699.19(F)	TUBS 19
	oject Site in Tuba City. The enclosed plan identifies and justifies t		TRA	bs Engineering		
	he sampling locations, analytical parameters, detection limits, an d sam					
SURF009768	Report: UMTRA Project Water Sampling and Analysis Plan Tuba City.	2/1/1996	File	Jacobs Engine ering	TUB 699.19(F)	TUBS 19
SURF009769	Memo: UMTRA Water Sampling and Analysis Plan, Tuba City. D ocument is ready for signature and transmittal.	12/22/1995	E. Artiglia	S. Wright	TUB 699.19(F)	TUBS 19
SURF009770	Memo: Proposed Sampling and Analysis Plan for Soil and Grou nd Water for the Current Drilling Program at the Tuba City Projec t Site.	10/19/1995	S. Wright	A. Holm	TUB 699.19(F)	TUBS 19
SURF009771	Report: The sampling of ground water is being conducted to and requirements in the and the water sampling and analysis plan. T he wells sampled in this effort will be used to support the delineat ion of	4/1/1995	File	G. Ruskauff	TUB 699.19(F)	TUBS 19
SURF009772	Report: Final Audit Report for Water Sampling and Analysis Plan , Tuba City. This report presents the final summary of findings, o bservations, conclusions and recommendations resulting from th e audit o	4/29/1994	R. Bennett, UMTRA TA C	J. Carman	TUB 699.19(F)	TUBS 19
SURF009773	Letter: UMTRA Water Sampling and Analysis Plan, Tuba City. Th e purpose of this document is to provide background, guidance, and justification for FY 1994 water sampling activities for the ura nium mill	9/30/1993	A. Chernoff, UMTRA	R. Nelson, Jaco bs Engineering	TUB 699.19(F)	TUBS 19
SURF009774	Memo: TAC Surface CCB S2137 to Add Support Activities for Un iversity of Arizona Plant Propagation Demonstration, Containme nt of Transient Drainage Plume, and Monitoring for Cell Perform ance.	6/5/1995	R. Edge, UM TRA	E. Artiglia, TAC	TUB 699.19(F)	TUBS 19

Barcode	Document Name	Document Da	Addressee (Originator (Fro	Code No	Box Code
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SURF009775	Reports: Assessment of Transient Drainage at Tuba City, and fro	4/26/1995	E. Artiglia, T	R. Edge, UMTR	TUB 699.19(F)	TUBS 19
	m the stabilized tailings cell.		AC	A		
SURF009776	Report: Method of Characteristics Model for Solute Transport in		File	Ground Water	TUB 699.19(F)	TUBS 19
	Ground Water Tuba City Vertical Dispersion Model-Transient Dr			Modeling Cente		
	ainage.			r		
SURF009777	Letter: Near term activities include but are not limited to the instal	6/18/1995	N. Honie, Ho	R. Edge, UMTR	TUB 699.19(F)	TUBS 19
	lation of approximately 22 wells, construction of 3 retention pond		pi Tribe	А		
	s, construction of a greenhouse, office trailer and various supp					
SURF009778	Report Meeting: Tracer Test Feasibility at Tuba City. Discuss the	10/7/1994	File	E. Artiglia, UMT	TUB 699.19(F)	TUBS 19
	feasibility of performing tracer test in the Navajo Sandstone.			RA TAC		
SURF009779	Letter: POC Modeling at Tuba City Site. Concerning their technic	8/4/1989	M. Matthews	D. Dubois, Jaco	TUB 699.19(F)	TUBS 19
	al review of DOE's point of compliance revised modeling at Tuba		, DOE-AL	bs Engineering		
	City.					
SURF009780	Letter: The U.S. Department of Energy has received and review	2/23/1989	L. Shingoite	M. Matthews, U	TUB 699.19(F)	TUBS 19
	ed the comments from A. Brown Consultants, concerning the me		wa, Hopi Tri	MTRA		
	thodology used for concluding nitrate concentrations will not exc		be			
	eed maximum c					
SURF009781	Letter: No substantive activities can be undertaken until final EP	10/28/1987	L. Shingoite	D. Mann	TUB 699.19(F)	TUBS 19
	A water protection standards are promulgated.		wa			
SURF009782	Letter: Analysis of Tuba City Groundwater Flushing Time. We ev	9/28/1987	J. Anderson,	D. Dubois, Jaco	TUB 699.19(F)	TUBS 19
	aluated the reasons for the differences in times predicted for nat		DOE-AL	bs Engineering		
	ural flushing to clean the groundwater at Tuba City to meet the P					
	roposed					
SURF009783	Letter: As you are aware, the Hopi Tribe considers that the resol	9/8/1987	D. Mann, U	L. Shingoitewa,	TUB 699.19(F)	TUBS 19
	ution of the remaining issures over groundwater are of paramoun		MTRA	Hopi Tribe		
	t importance in this matter. We are concerned that the planning f					
	or the					

Barcode		Document Da	Addressee (Originator (Fro	Code No	Box Code
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SURF009786	Document: Analysis is on samples of soil received on May 11, 19 76 under PO-130-01-38-020.	6/3/1976	File	L. Ford, Ford L aboratories	TUB 699.19(F)	TUBS 19
SURF009787	Memo: TUB/HAT Soil Samples. Attached for your use are boreh ole logs from Tuba City and Mexican Hat sites which were prepar ed by M. Silva during soil sampling by the SH and B drill rig Sept ember 25, -	10/19/1984	R. Rager	W. Mason	TUB 699.19(F)	TUBS 19
SURF009788	Letter: Rock Core Analysis Tuba City. The TAC would like Bendi x Field Engineering Corporation in Grand Junction, Colorado and Lawrence Berkly Laboratory in Berkley, California to prepare a w ritten pr		J. Morley, D OE-AL	R. Krishnan, Ja cobs Engineeri ng	TUB 699.19(F)	TUBS 19
SURF009789	Letter: Based on your measurements of the physical properties of samples from Tuba City, the following test information is being provided to allow measurement of the emanating fraction of Rn- 222 for	7/9/1984	V. Rogers, R ogers and A ssociates	J. Smith, Jacob s Engineering	TUB 699.19(F)	TUBS 19
SURF009790	Report: Explanation of Sample Number System. (Construction C ontrol Data)	4/22/1988	File	Western Techn ology	TUB 699.19(F)	TUBS 19
SURF009791	Report: Herewith submitted are completed test data for delivery order Number A001-Tuba City, including summary sheets, graph ics and work sheets.	1/4/1985	D. Dzaack, J acobs Engin eering	K. Criley, Chen and Associates	TUB 699.19(F)	TUBS 19
SURF009792	Letter: Tuba City, AZ Moisture/Density Data.	11/2/1989	M. Matthews , DOE-AL	J. Oldham, MK	TUB 699.19(F)	TUBS 19
SURF009793	Letter: Data required for Tuba City-Placement moisture content a nd density measurements of the radon barrier; Placement moistu re and density measurement of the windblown materials; Placem ent moisture	10/17/1989	J. Oldham, MK	M. Matthews	TUB 699.19(F)	TUBS 19
SURF009794	Letter: Soil Samples for PCB Analysis. Collected 3 composite soi I samples from under old transformer.	6/16/1995	M. Minteer	A. Vollmer, UM TRA	TUB 699.19(F)	TUBS 19

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SURF009795	Letter: Concerning the transformers in Tuba City. You can have concentrations of 50>500 ppm, without actually sampling the con tents.	7/7/1995	R. Edge, DO E-AL	A. Vollmer, UM TRA	TUB 699.19(F)	TUBS 19
SURF009796	Letter: Priority Contractor will be Dine'Bi Ghan Construction. He proposes to ship the transformers to USPCI in Utah. USPCI requ ires waste profiles prior to receipt.	8/16/1995	A. Artiglia	A. Vollmer	TUB 699.19(F)	TUBS 19
SURF009797	Letter: Permeability Testing, Tuba City UMTRA Test Plots; Comp utation of Compliance with EPA Standards for Nitrate.	9/23/1988	J. Arthur, D OE-AL	M. Logsdon, Ad rian Brown Con sultants	TUB 699.19(F)	TUBS 19
SURF009798	Letter and Attachment: The attached test plot description confir ms the test plot features that we mutually agreed on.	5/7/1987	C. Strachan, Water Wast e and Land I nc.	N. Larson, Jaco bs Engineering	TUB 699.19(F)	TUBS 19
SURF009799	Package- Informational Copies of Tub-Ph II Embankment Radon Barrier - 200 Washes and Atterberg Limits		P. Cate	W. Hayes	TUB 699.19(F)	TUBS 19
SURF009800	Letter: Proposed Sampling and Analysis Plan for Soil and Groun d Water for the Current Drilling Program at the Tuba City UMTR A Project Site.	10/19/1995	S. Wright	D. Tarbox	TUB 699.19(F)	TUBS 19
SURF009801	Memo with Attachment: Estimated Costs for Split-Spoon Sampli ng at the Tuba City UMTRA Project Site. Attached you will find a scope of work and technical specifications and a pricing schedul e for a mo	10/16/1995	A. Holm	A. Miller	TUB 699.19(F)	TUBS 19
SURF009802	Memo: Analysis of Core Samples from the Tuba City Site	1/4/1995	E. Artiglia	G. Ruskauff	TUB 699.19(F)	TUBS 19
SURF009803	Documents: Groundwater Seep at Surface. The seep area is loc ated at the base of a sandstone formation of the second scarp d owngradient from the disposal cell.	5/20/1993	File	Jacobs Engine ering	TUB 699.19(F)	TUBS 19
SURF009819	Report: Completed Test Results for delivery order A-005, includi	2/12/1985	D. Dzaack, J	K. Criley, Chen	TUB 699.19(F)	TUBS 19

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	ng summary sheets, graphics and worksheets. All testing reques ted has been completed with the exception of two triaxial permea bility tes		acobs Engin eering	and Associates		
SURF009820	Report: Submitted are completed test results for delivery order N umber A-017, including test result summaries and worksheets. Al I assigned testing has been completed.	1/20/1986	R. Wege, Ja cobs Engine ering	S. Miller, Chen and Associates	TUB 699.19(F)	TUBS 19
SURF011822	Report: Completed permeability test results for eight samples ob tained in May, 1988, from the Tuba City UMTRAP Site. All testin g assigned to date has now been completed.	8/30/1988	R. Waddinto n, MK-Fergu son	K. Criley, Chen and Associates	TUB 699.19(F)	TUBS 19
SURF011823	Laboratory Test Data: Please find enclosed the results of our lab oratory testing on your samples from Tuba City. The following tes t results are enclosed.		R. Heneks, MK	H. Allen Gruen, P.E.	TUB 699.19(F)	TUBS 19
SURF011824	Report, Laboratory Testing Results: Enclosed are results of the I aboratory testing program conducted on samples from the Tuba City Rock Core. The Testing performed for this program was con ducted in g	3/15/1996	J. Carman, J acobs Engin eering	K. Tan, Keanta n Laboratories	TUB 699.19(F)	TUBS 19
SURF011825	Letter and Report: Enclosed are three copies fo the results of th e soil test on the eight uranium tailings samples received June 5, 1984. These samples were from the Tuba City Site. These resul ts con	7/2/1984	D. Dzaack, J acobs Engin eering	K. Nielson, Rog ers and Associ ates	TUB 699.19(F)	TUBS 19
SURF011826	Report: Analytical reports for samples taken from the Tuba City p roject site. Analyses were performed as per your request.	9/2/1988	D. Schmidt, Jacobs Engi neering	R. Chessmore, UNC Geotech L abwork	TUB 699.19(F)	TUBS 19
SURF011827	Calculation Cover Sheet: Tuba City long term moisture content f or Rogers and Associates for retention coeffient.	2/3/1986	File	B. Keshian, We ston	TUB 699.19(F)	TUBS 19
SURF011828	Memo: Synopsis of radon barrier/sand filter infitration positions a t Tuba City Site.	10/27/1986	T. Begay, N avajo Site Pr	C. Heaton, Nav ajo Site Progra	TUB 699.19(F)	TUBS 19

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SURF011829	Technical Memorandum: Analysis of infiltration at the Tuba City UMTRA Site.	2/20/1987	L. Shingoite wa, Hopi Tri be	F. Marinelli, Ter ra Therma Inc.	TUB 699.19(F)	TUBS 19
SURF011830	Package Calculations: UMTRA Tuba City, Unsaturated Hydralic Conductivity, Source of data Chen Laboratories.	3/3/1987	File	Jacobs Engine ering Inc.	TUB 699.19(F)	TUBS 19
SURF011831	Memo and Calculations: Copies of the test results from the rece nt samples of arrow pit material are enclosed. The specific gravit y and sodium sulfate soundness are close to the required specific cation	5/22/1989	M. Matthews , DOE	J. Oldham, MK	TUB 699.19(F)	TUBS 19
SURF011832	Memo and Calculations: PCB Analysis for Soils Obtained at Tub a City. There is no need for a special Statement of Work becaus e the specifications of SW-846 Method 8080 adequately address our needs in	6/19/1995	R. Muniz	M. Minteer	TUB 699.19(F)	TUBS 19
SURF011833	Calculation Cover Sheet and Package: Project UMTRA, Site TU B01, Feature Piezocone-Classification Correlations; Results of P iezocone Sounding Tests; Summaries of Piezocone Analysis; Ch emical Analysis	2/3/1986	File	Jacobs Engine ering	TUB 699.19(F)	TUBS 19
SURF011834	Package: Letter and Record of Telephone Conversation: Letter: Received technical memo from Terra Therma on their recommen ded Tuba City Modeling strategy. In addition, I have thought abo ut the Riverton	3/11/1987	W. Deutsch, Jacobs Engi neering	G. Gee, Battell e	TUB 699.19(F)	TUBS 19
SURF011835	Memo: Response to V. Rogers TUB Review. The Rogers correla tion has no technical basis and is not an accepted method by the TAC for determining the long term moisture content. The correla tion is based	3/12/1986	B. Knight	B. Keshian	TUB 699.19(F)	TUBS 19
SURF011836	Letter: Documents describing the soils and range near Halchita a	7/12/1985	S. Beranich,	M. Roth, Burea	TUB 699.19(F)	TUBS 19

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	nd Yazzie Mesa.		Jacobs Engi neering	u of Indians Aff airs		
SURF011837	Memo: Wick Drains for Tuba City and Mexican Hat. Explanation of the methodology and its advantages.	6/11/1985	R. Williams	B. Keshian	TUB 699.19(F)	TUBS 19

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SURF011838	Facsimile: Tuba City Site Precipitation Data.	3/1/1996	J. Ritchie, Ja cobs Engine ering	National Climati c Data Center	TUB 699.19(G)	TUBS 20
SURF011839	Letter: Requesting assistance in determining the 100-year water surface elevation of Greasewood Lake, the estimated 100-year water surface elevation of Greasewood Lake is 5,104 ft. NGVD.	12/20/1985	D. Lechel, J acobs Engin eering	C. Enson, Corp s of Engineers	TUB 699.19(G)	TUBS 20
SURF011840	Report: Request for data in the pasture canyon area, please find enclosed copies of our site schedules for four springs in that are a (District 3, Quad 77).	7/31/1980	M. Zaman	W. Smith	TUB 699.19(G)	TUBS 20
SURF011841	Calculation Package: Project UMTRA, Site Tuba City, Feature- Site Drainage, Intersitial flow velocity on top slopes, Erosion prot ection top slopes, Maximum precipitation estimates.	2/3/1986	File	Jacobs Engine ering	TUB 699.19(G)	TUBS 20
SURF011842	Report: Surface water review of the Tuba City Draft Environment al Assessment and Draft Remedial Action Plan. Technical memo randum is a draft document.	11/10/1986	Hopi Tribe	Terra Therma I nc.	TUB 699.19(G)	TUBS 20
SURF011843	Letter: Information about floodplain/wetland delineations for the proposed clean up of the inactive uranium mill tailings pile near T uba City.	4/24/1985	D. Lechel, J acobs Engin eering	J. Fast, Depart ment of the Ar my	TUB 699.19(G)	TUBS 20
SURF011844	Charts and Graphs: Drainage Peak Discharge, Little Colorado Ri ver Basin Discharge.	9/25/1985	File	Department of I nterior	TUB 699.19(G)	TUBS 20
SURF011845	Letter, EPA Forms and NPDES Permits: MK-Ferguson request s a National Pollution Discharge Elimination System (NPDES) pe rmit for the management of potentially contaminated stormwater runoff during the	10/13/1987	J. Breitlow, EPA	J. Oldham, MK	TUB 699.19(G)	TUBS 20
SURF011846	Letter and Permit: Enclosed is a copy of the draft permit, statem ent of basis and public notice of our proposed action on your app lication for a National Pollutant Discharge Elimination System (N	6/13/1988	J. Oldham, MK	K. Greenburg, EPA	TUB 699.19(G)	TUBS 20

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	PDES					
SURF011847	Letter: In response to questions and concerns that have been ex	2/9/1988	J. Breitlow,	J. Oldham, MK	TUB 699.19(G)	TUBS 20
	pressed by A. Poentis of your staff during his review of the above referenced permit application that we submitted to you. Revision s and		EPA			
SURF011848	Letter: In response to your letter of March 14, 1988, MK-Fergus	4/22/1988	K. Greenber	J. Oldham, MK	TUB 699.19(G)	TUBS 20
	on Company offers the following comments, which are intended t o serve as a supplement to our original application.		g, EPA			
SURF011849	Permit: Application for issuance of a National Pollutant Discharg e Elimination System (NPDES) permit to discharge pollutant to w aters of the United States: The Environmental Protection Agenc y (EPA),	6/16/1988	File	K. Greenberg, EPA	TUB 699.19(G)	TUBS 20
SURF011850	Authorization to Discharge Under the National Pollutant Discharg e Elimination System: MK-Ferguson is authorized to discharge fr om their retention pond, located in Coconino County.	6/16/1988	File	H. Seraydarian, EPA	TUB 699.19(G)	TUBS 20
SURF011851	Memo: MK-Ferguson Company requests your consideration of t he following changes to the draft NPDES permit for the storm wa ter retention basin at the Uranium Mill Tailings Remedial Action Project sit	7/19/1988	K. Greenber g, EPA	J. Oldham, MK- Ferguson	TUB 699.19(G)	TUBS 20
SURF011852	Fact Sheet: DOE has contracted MK-Ferguson to remediate Ura nium Mill Tailings and associated contaminated materials left ab andoned at the inactive processing plant in Tuba City. Under the Clean Wate	3/29/1985	File	EPA	TUB 699.19(G)	TUBS 20
SURF014078	Calculation Cover Sheet: Calculation Number-TUB-06-95-16-02 -00, Discipline-Hydrogeology, Project: UMTRA Gound Water Pro ject, Tuba City.	6/28/1995	File	J. Ptacek	TUB 699.19(G)	TUBS 20
SURF014079	Calculation Cover Sheet: Calculation Number-TUB-05-90-14-04	5/11/1990	File	E. Storms	TUB 699.19(G)	TUBS 20

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	-01, Discipline-Hydrogeology, Project: UMTRA Gound Water Pro ject, Tuba City.					
SURF014080	Calculation Cover Sheet: Calculation Number-TUB-03-89-14-04 -00, Discipline-Hydrogeology, Project: UMTRA Gound Water Pro ject, Tuba City. (dispersivity analysis)	3/15/1989	File	E. Storm	TUB 699.19(G)	TUBS 20
SURF014081	Package: Letters. 1) 2 Letters: dated February 18, 1987 from Jo hn D'Antonio, DOE-AL to LeRoy Shingoitewa, Meokope Village Complex and Charles Damon, Navajo Nation. As you are aware , infiltration thr	2/10/1987	L. Shingoite wa, UMTRA	J. D'Antonio	TUB 699.19(G)	TUBS 20
SURF014082	Report: Report on Downhole Geophysical Logging at the Uraniu m Mill Tailings Repository Site, Tuba City.	10/12/1995	File	Southwest Geo physical	TUB 699.19(G)	TUBS 20
SURF014083	Report: Water Resource Protection and the UMTRA Project. Thr ee Case Histories, Jacobs Engineering, Roy F. Weston, Sergent , Hauskins and Beckwith.	1/5/1982	File	Various	TUB 699.19(G)	TUBS 20
SURF014084	Reports: Results of the particle size distribution tests with hydro meter, specifc gravity, moisture density, and moisture content on the cover soil samples.	1/14/1985	D. Dzaack, J acobs Engin eering	K. Nielson, Rog ers and Associ ates	TUB 699.19(G)	TUBS 20
SURF023693	Calculation Cover Sheet. Project - UMTRA. Tuba City Site featu ring Non Saturated Parameters for Transient Drainage Analysis (RETC). Sources of Data from the Remedial Action Plan.	9/1/1989	File	Jacobs Engine ering	TUB 699.19(G)	TUBS 20
SURF026762	Tuba City, Arizona - Location ID 901. Acknowledgement of Rec eipt of Samples for Organics Analysis. Southwest Research Insti tute. December 1988.	12/15/1988	File	Jacobs System s Company	TUB 699.19(G)	TUBS 20
SURF026774	Technical Report: Tuba City Site Technical Notebook, Ground Water Project, January 1995. Volume 1 of 2. Report includes Si te Description, Site Remediation, Vadose Zone Properties, Aquif er Propertie	1/1/1995	File	DOE-AL	TUB 699.19(G)	TUBS 20

Barcode	Document Name	Document Da	Addressee (Originator (Fro	Code No	Box Code
		te	То)	m)		
SURF026775	Technical Report: Tuba City Site Technical Notebook, Ground	1/1/1995	File	DOE-AL	TUB 699.19(G)	TUBS 20
	Water Project, January 1995. Volume 2 of 2. Report includes Si te Description, Site Remediation, Vadose Zone Properties, Aquif er Propertie					
SURF009807	Graphs: Cross-Sections and RAV's Depth.	4/30/1976	File	D. Jones	TUB 699.20(A)	TUBS 20
SURF009808	Form: Background Threshold Value.	10/1/1995	File	P. Goetze	TUB 699.20(A)	TUBS 20
SURF009809	Calibration Data sheet: Quarterly Calibration Data, Airport Pads, Delta Scan.	9/11/1984	File	B. Foust and R. Rangel	TUB 699.20(A)	TUBS 20
SURF009810	Documentation: Quality Control Alpha Instrumentation, Control Exposure Rate Instrumentation, Quality Control Pressurized Ioni zation Chamber, and Delta Quality Control.	5/29/1984	File	B. Foust	TUB 699.20(A)	TUBS 20
SURF009811	Letter: Radiological Assessment of the Tuba City Site. Please pr ovide a work plan and cost estimate for the subject site in accor dance with the enclosed memo and statement of work.	4/18/1984	W. Lauman, Bendix	Merle Crew	TUB 699.20(A)	TUBS 20
SURF009812	Memo: Radiological Assessment of the Tuba City Site. Attached is the work statement for theTuba City Site radiological assessm ent.	4/10/1984	File	J. Morley	TUB 699.20(A)	TUBS 20
SURF009813	Quality Bulletin: Daily operational checks of field radiometric instruments.	4/20/1984	C. Goodnigh t	K. Kosanke	TUB 699.20(A)	TUBS 20
SURF009814	Letter: Approval of Tuba City Site Radiological Assessment Proje ct Plan.	5/16/1984	W. Lauman, Bendix	M. Crew	TUB 699.20(A)	TUBS 20
SURF009815	Memo: Approval of Tuba City Site Radiological Assessment Proj ect Plan.	4/30/1984	M. Crew	J. Morley	TUB 699.20(A)	TUBS 20
SURF009816	Memo: Proposed Project Plan for the Radiological Characterizati on of Tuba City Site.	4/20/1984	J. Morley	M. Crew	TUB 699.20(A)	TUBS 20
SURF009817	Plans, Package: 1. This plan describes how Bendix Field Engine ering Corporation will conduct the radiologic characterization of t	4/19/1984	K. Kosanke, Bendix	C. Goodnight,	TUB 699.20(A)	TUBS 20

Barcode	Document Name	Document Da	Addressee (Originator (Fro	Code No	Box Code
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	he Tuba City Uranium Mill Tailings Pile and Adjacent areas. 2. L					
	and sur					
SURF009818	Memo: Additional Characterization Needs for Tuba City.	1/20/1989	R. Cooney	F. Petelka	TUB 699.20(A)	TUBS 20
SURF011864	Field Books: Radiologic Characterization-Activity Logs/Diaries.	2/13/1984	File	J. Smith, Jacob s Engineering	TUB 699.20(A)	TUBS 20
SURF011865	Report: Hazard Assessment, this is a historical account of the H	10/2/1984	File	D. Allen	TUB 699.20(A)	TUBS 20
	ealth and Safety Departments involvement with a radiological as sessment of the abandoned, 114 acre tract of desert occupied by the Tuba					
SURF011866	Tuba City Silica Samples: Analyses of the Tuba City Silica samp les were done according to the NIOSH procedure. The resultant silical levels range from 0 to 0.019 mg alpha-quartz per cubic me ter of ai	9/6/1984	D. Allen	L. Fukui, Petrol ogy Laboratory	TUB 699.20(A)	TUBS 20
SURF011867	Health and Safety Subcontractor Finalization: Airborne Radiopar ticulate Data Sheet.	6/6/1984	File	D. Toeroek	TUB 699.20(A)	TUBS 20
SURF011868	Health and Safety Subcontractor Finalization: BFEC Folio Docu ments, Contamination Surveys. (Vehicles)	5/15/1984	File	D. Allen	TUB 699.20(A)	TUBS 20
SURF011869	Health and Safety Subcontractor Finalization: Access and Friskin g Log.	5/15/1984	File	D. Allen	TUB 699.20(A)	TUBS 20
SURF011870	Access Control Log Package:	5/15/1984	File	D. Allen	TUB 699.20(A)	TUBS 20
SURF011871	Package, Drilling Subcontractor Health and Safety Checklist: Tu ba City, Arizona.	5/14/1984	D. Allen	Jex and Miller Drilling	TUB 699.20(A)	TUBS 20
SURF011872	Package: Direct Surface Contamination Survey, Also, Transfera ble (Smear) Contamination Survey.		File	D. Allen	TUB 699.20(A)	TUBS 20
SURF011873	Memo: Acknowledge receipt of the revised boundary description for the Tuba City disposal site. The boundary settlement plates a nd right-of-way from U.S. Highway 160 were authorized to be sur	2/3/1993	B. Hindman, RAC	R. Edge, UMTR A	TUB 699.20(A)	TUBS 20

Barcode	Document Name	Document Da	Addressee (Originator (Fro	Code No	Box Code
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	veyed by t					
SURF011874	Memo: Revised boundary description for the Tuba City, UMTRA	9/24/1992	D. Lucero, O	R. Edge, UMTR	TUB 699.20(A)	TUBS 20
	disposal site. In addition, a survey crew will be out to survey the r		ffice of Minin	A		
	ight-of-way from Highway 160 to the entrance to the site entranc		g			
	е.					
SURF011875	Letter: Revised Boundary Description. MK can arrange to have t	9/1/1992	R. Edge, DO	R. Cooney	TUB 699.20(A)	TUBS 20
	he access road easement from U.S. Highway 160 surveyed. In o		E			
	rder to control costs and reduce effort MK recommend that this w ork be carried					
SURF011876	Survey Report: The preliminary concern at the Tuba City Millsite	5/24/1984	C. Goodnigh	E. Cotter	TUB 699.20(A)	TUBS 20
	was to establish and close a baseline traverse around the site pri		t, TCMP			
	or to the setting of any gridpoints.					
SURF011877	Package Borehole Logs: TUB84R, Acid Pile North Central Part	5/9/1984	File	Jacobs Engine	TUB 699.20(A)	TUBS 20
	Dry Silt at Surface.			ering		
SURF011878	Package, Logging Spectrometer Verification Report: Tuba City.	4/27/1984	File	Jacobs Engine	TUB 699.20(A)	TUBS 20
				ering		
SURF011879	Package, Shipping Document: This shipment Authorized by Radi	4/23/1984	S. Marutzky	Bendix Field En	TUB 699.20(A)	TUBS 20
	oactive Source Transport Request Document.			gineering Corp		
				oration		
SURF011880	Package: Apparent Radium-226 Concentrations, Project TUB01	4/24/1984	File	Rad	TUB 699.20(A)	TUBS 20