Solitario Canyon

Assign to: not required

CENTER	FOR NUCLEAR V	NASTE REG	ULATORY AN	ALYSES
	SAMPLE CUST	ODY LOG EN	TRY FORM	
SAMPLE IDENTIFICATION	I (Mandatory)	SC5-98	-) <u>A</u>	A1
DESCRIPTION OF SAMPI	E (Mandatory)	Moderate	to dens	ely welded
tuff : pinki				
		·		
REFERENCE TOP OR SCI	INTIFIC NOTEBOOK EN	TRY S.	NB 21	7
AMOUNT OF SAMPLE	Hand s	anfle	SIZE ~ 3	kg.
DATE OF SAMPLE RECE	PT (Mandatory) 5	-7-98		
DATE OF INITIAL LOG E	ITRY (Mandatory) 5	-7-98	BY fim	Winterle
SAMPLE STORAGE LOC	TION (Mandatory)	Rock ~	recharics 1	ab, Bldg 5-
				· · · · · · · · · · · · · · · · · · ·
COLLECTION SITE (Refe	والمستعد الألبا المتكاف الكرمية والمتكاف والمراقة والمتحد والمحدود			
Solitari	o Canyon	, wes	t of yucc	A crest
	e slope		- 	
				· •
	na an that an	· · · · ·	and a state of the	γ ματι γγιγα α
PERSON(S) WHO COLLE	CTED SAMPLE(S)	Jin W:	nterle	rajrito = asatematik
	and a second sec	••• ••• ••• ••	••	·· · ·
SUPPLIER	•	المجم الحراري المراجع		,
OTHER Samp	le Mispose	dof	on 5/19/	2006, NO
longer		ever used	is any o	egy latery
angly sis.	ARI.IN	the s/	19/06	

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	CENTER F	DR NUCLEA	R WASTE RE	GULATOR	Y ANALY	SES
		SAMPLE CU	JSTODY LOG	ENTRY FOF	۲M	
SAMPLE ID	ENTIFICATION (	Mandatory)	SC5-	98-2		
SAMPLE DE	SIGNATION					
DESCRIPTIC	ON OF SAMPLE	(Mandatory)	Low to n	oderate i	velded	tuff
(ash	fall?) w	ith clastic	indusions,	yellon	zish Br	own cola
REFERENCE	E TOP OR SCIEN	TIFIC NOTEBOO	K ENTRY	SNB	217	
	)F SAMPLE	<u></u>	<u></u>	SIZE	~ 5	- Ka
	AMPLE RECEIPT	(Mandatory)	5-7-9		<u> </u>	- <del>V</del>
	NITIAL LOG ENT		5-7-9		An	White &
			· · · · ·	- C		
SAMPLE S	TORAGE LOCAT	ION (Mandatory	Rock ~	echanic.	Jab .	Bldg 5
COLLECTIC	N SITE (Referen	ce Maps or Field	i Notes As Require			
					on	west
	slopp of	Yurca	von o Mountig	~ .		
			<u></u>	<u></u>		
					<b></b>	
DEDGUNG	) WHO COLLECT	ED SAMPI F/St	1: 1.	1:10-0	~~~~~~	
			yum u	<u>since</u>	0	
SUPPLIER						
OTHER	Sama Al-	di-n-	<u>-01-6</u>		$a / \alpha c$	No long
UINER	Sample	UISYD	>50 01	01 5/1	106.	No Ion
· · · · ·	1 eguire	in and	A Dr a=	Not a 12	any 1	Sylviary

	CENTER FOR NU	CLEAR WASTE	REGULATOR	Y ANALYSES
	SAMP	E CUSTODY 10	G ENTRY FOR	M
SAMPLE ID	ENTIFICATION (Mandator	1 Viser	SC5-98	3-3
SAMPLE D	ESIGNATION			
DESCRIPTI	ON OF SAMPLE (Mandato	vi Moderate	ely welde	d type with
open	lithophysy; E	brownish - gra	ey color	ed type with
REFERENC	E TOP OR SCIENTIFIC NO	rebook entry	SNB	217
AMOUNT	OF SAMPLE		SIZE	$\sim 5 kg$
DATE OF S	AMPLE RECEIPT (Mandat	sry) 5-7-9	8	V
DATE OF I	NITIAL LOG ENTRY (Mand	story) 5-7-9	8 BY	Ain Winterl
			l	
SAMPLE S	TORAGE LOCATION (Man	datory) Rock	rechanics	Laborationy; Bld
COLLECTH	ON SITE (Reference Maps	or Field Notes As Reg	uired)	
	iolitario con			Vucca creat
		<i><i>y</i> = <i>j</i> = <i>j</i></i>	~	
		<u></u>		
DEDEONIA	WHO COLLECTED SAM		1.1 ++	- Q.
rengunia	WHO CULLECTED SAME	Leiai fra	<u> </u>	
	•	· · · · · · · · · · · · · · · · · · ·		
61 1001 ICP		المجار 🛲 بالارد العبارين الدر		
SUPPLIER	Card DI In	Prod F	- a. El.	9/00 11-
SUPPLIER OTHER	Sample di	sposed of	- on 5/1	9/06. No
	Sample di Longer Reg	sposed of	- on 5/1 never	9/06. No used in any

	SAMPLE CUSTODY LOG ENTRY FORM
SAMPLE	IDENTIFICATION (Mandatory) SC-5-98-4
	DESIGNATION
DESCRIP	MON OF SAMPLE (Mandatory) moderately welded tuff; si
litho	MON OF SAMPLE (Mandatory) moderately welded tuff; si physy; Dark grey color
REFEREN	CE TOP OR SCIENTIFIC NOTEBOOK ENTRY SNB 217
AMOUNT	OF SAMPLE SIZE ~ 5 kg
DATE OF	SAMPLE RECEIPT (Mandatory) 5-7-98
DATE OF	INITIAL LOG ENTRY (Mendetory) 5-7-98 BY fim Wintel
SAMPLE	STORAGE LOCATION (Mandatory) Rock rechanics Lab; B/dg 5.
COLLECT	ION SITE (Reference Maps or Field Notes As Required)
	10N SITE (Reference Maps or Field Notes As Required) ditario comyon ; west side of yucch
	10N SITE (Reference Maps or Field Notes As Required) olitario canyon; west side of yucch crest.
,	ditario canyon; west side of yucch crest.
,	olitario canyon; west side of yucch crest. (S) WHO COLLECTED SAMPLE(S) fin Winterle
PERSON	ditario comyon; west side of yucch crest. (s) WHO COLLECTED SAMPLE(S) fin Winterle
PERSON	ditario comyon; west side of yucch crest. (s) WHO COLLECTED SAMPLE(S) fin Winterle
PERSON	olitario canyon; west side of yucch crest. (3) WHO COLLECTED SAMPLEISI fin Winterle Sample disposed of on 5/18/06. No
PERSON	ditario comyon; west side of yucch crest. (s) WHO COLLECTED SAMPLE(S) fin Winterle

	CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES
	SAMPLE CUSTODY LOG ENTRY FORM 5-7-28
SAMPLE ID	ENTIFICATION (Mandatory) SC-5-98 (2)-5
SAMPLE DE	SIGNATION
DESCRIPTIC	ON OF SAMPLE (Mandatory) Moderately to densely welded to
Are	wish color
REFERENCE	TOP OR SCIENTIFIC NOTEBOOK ENTRY SNB 217
	of sample size ~ 5 kg.
DATE OF S	AMPLE RECEIPT (Mandatory) 5-7-98
DATE OF IM	VITIAL LOG ENTRY (Mondetory) 5-7-98 BY him Winterle
SAMPLE ST	TORAGE LOCATION (Mandatory) Rock Mechanics 196; Bldg 57
COLLECTIO	
	N SITE (Reference Maps or Field Notes As Required)
	literio Compony west of Yucca crest.
50	litario Campion ; west of Jucca crest.
50	litario Compony west of yucca crest.
50	iterio Compon ; west of Jucca crest.
PERSON(S	iterio Compon ; west of Jucca crest.
PERSON(S SUPPLIER	itario Compon, west of Jucca crest.
Se PERSON(S SUPPLIER	WHO COLLECTED SAMPLE(S) Jim Winterle Gample disposed of on 5/19/06. No

	SAMPLE CUSTODY LOG ENTRY FORM
	DENTIFICATION (Mandatory) SC 5-98-6
	DESIGNATION
	ION OF SAMPLE (Mandatory) low-welding tuff; reddish br.
	color
REFERENC	CE TOP OR SCIENTIFIC NOTEBOOK ENTRY SNB 217
<u> </u>	
AMOUNT	of sample size $\sim 5 R_{2}$
DATE OF	SAMPLE RECEIPT (Mandatory) 5-7-98
DATE OF	INITIAL LOG ENTRY (Mandatory) 5-7-98 BY him Winter
	0
SAMPLE S	STORAGE LOCATION (Mandatory) Rock Mechanics (ab
SAMPLE	STORAGE LOCATION (Mandatory) Rock Mechanics (gb
	STORAGE LOCATION (Mandatory) Rock Mechanics (ab
COLLECT	ON SITE (Reference Maps or Field Notes As Required)
COLLECT	
COLLECT	ON SITE (Reference Maps or Field Notes As Required)
COLLECT	ON SITE (Reference Maps or Field Notes As Required)
COLLECT	ON SITE (Reference Maps or Field Notes As Required)
COLLECT	ON SITE (Reference Maps or Field Notes As Required)
COLLECT	ON SITE (Reference Maps or Field Notes As Required)
COLLECT	ON SITE (Reference Maps or Field Notes As Required)
COLLECTI	ION SITE (Reference Maps or Field Notes As Required) Solitoria Canycon ; wast of Yucca Crest.
COLLECTI	KON SITE (Reference Maps or Field Notes As Required) Solitorio Cany on , west of xucca crest. S) WHO COLLECTED SAMPLE(S) Jim Wintale
PERSON	KON SITE (Reterence Maps or Field Notes As Required) Solitorio Cany con , west of Xucca crest. S) WHO COLLECTED SAMPLE(S) Jim Wintele
PERSON	KON SITE (Reterence Maps or Field Notes As Required) Solitorio Canycon , west of yucco crest, s) who collected sample(s) fin Wintele
PERSON	KON SITE (Reterence Maps or Field Notes As Required) Solitorio Cany con , west of Xucca crest. S) WHO COLLECTED SAMPLE(S) Jim Wintele

,

	SAMPLE CUSTODY LOG ENTRY FORM
SAMPL	E IDENTIFICATION (Mandatory) SC5-98-7
SAMPL	E DESIGNATION
DESCR	PTION OF SAMPLE (Mandatory) Black, densely welded Rock.
REFERI	ENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY SNB 217 P340
AMOU	NT OF SAMPLE SIZE $\sim 5 k_{3}$
DATE	DF SAMPLE RECEIPT (Mandatory) 5-7-98
DATE	DF INITIAL LOG ENTRY (Mendetory) 5-7-98 BY fin Winter
	$\mathcal{O}$
_	CTION SITE (Reference Maps or Field Notes As Required)
_	CTION SITE (Reference Maps or Field Notes As Required) Solitario Comyon; west of Yucaa crest
_	
	Solitario Comyon; west of Yucea crest
	Solitorio Conyon; west of Yucea crest
PERSC	Solitario Comyon; west of Yucea crest NIS) WHO COLLECTED SAMPLE(S) fin Wintule
	Solitario Conyon; west of Yacea crest

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Yucca Mountain

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Assign to: S. Stothoff

	CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES
	SAMPLE CUSTODY LOG ENTRY FORM
	DENTIFICATION (Mandatory) RTW2 (0-20 cm)
SAMPLE D	ESIGNATION
DESCRIPTI	ON OF SAMPLE (Mandatory) Sample is from upper 2 horizons (0-20 cm dept.
of colla	ON OF SAMPLE (Mandatory) Sample is from upper 2 horizons (0-20 cm depti (vium; contains about 30:20 rock frogment; field identified as fine
	rem (0-9 cm) and sandy lean (9-20 cm)
	E TOP OR SCIENTIFIC NOTEBOOK ENTRY
	Scientific Notobook 255 p. 73
AMOUNT	OF SAMPLE 1/2 plantic boy SIZE I gallon Zipluck
DATE OF S	SAMPLE RECEIPT (Mandatory) 05/17/98
DATE OF I	NITIAL LOG ENTRY (Mandatory) 06/26/98 BY Randall Fedors
SAMPLE S	TORAGE LOCATION (Mandatory) Store initial split in tuilding 51
	ON SITE (Reference Maps or Field Notes As Required)
Sample a	collected from wall of soil pit dug near the crest of Yucca Mountain.
Initial	estimate of location in Nevada State Coordinates of N764760 and
E5591	collected from wall of soil pit duy near the crest of Yucca Mountain. estimate of location in Nevada state Coordinates is N764760 and 10 ft. See Scientific notebook 255, p.73
PERSON(S	WHO COLLECTED SAMPLE(S) Randall Feders & Oliver Chadwick
SUPPLIER	•
OTHER	
	•

	SAMPLE CUSTODY LOG ENTRY FORM
SAMPLE	IDENTIFICATION (Mandatory) RTW2 (20-50 cm)
	DESIGNATION
DESCRI	TION OF SAMPLE (Mandatory) Sample is from Lower horizon (20-50 cm day
8) Co/	avium; contains about 3000 rock frogment and is corbonate -bearing;
field	identified as a clay loam
REFERE	ICE TOP OR SCIENTIFIC NOTEBOOK ENTRY
	Scientific Notebook 255 page 73
AMOUN	TOF SAMPLE 1/2 bag SIZE l gallon Ziplock
DATE O	F SAMPLE RECEIPT (Mandatory) 05/17/98
DATE O	FINITIAL LOG ENTRY (Mandatory) 06/26/98 BY Randa / 1 Fo Lovs
SAMPLE	STORAGE LOCATION (Mandatory) Store initial split in building 51
	v
COLLEC	TION SITE (Reference Maps or Field Notes As Required)
Sande	collected from wall of soil pit dug near crest of Yuera Mountain
Initi	collected from wall of soil pit dug near crest of Yucca Mountain. I estimate of location in Nevada State Coordinates is N764760 E559110 ft. See Scientific Notebook 255, page 7.3
and	E559110 14 See Scientific Notebook 255 nuce 75
DERSON	(S) WHO COLLECTED SAMPLE(S) Randall Feders & Oliver Chadwick
	(or the construction of the character of
SUPPLIE	B
OTHER	

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SAM	PLE CUSTODY LOG ENTRY FORM
SAMPLE IDENTIFICATION (Mandato	Dry) NFW4 6-38 cm
	<i>v</i>
DESCRIPTION OF SAMPLE (Mandate	tory) Sample is from uniform soil profile (excep
s a five sandy loam; ed.	rigon, not sampled) of colluvium ; field identified lian origin mixed in with boulders.
REFERENCE TOP OR SCIENTIFIC NO	
Scientific Notebon	ok 255 page \$0
AMOUNT OF SAMPLE 1/2 6	size 1 gallon ziplock
DATE OF SAMPLE RECEIPT (Manda	ntory) 05/17/98
DATE OF INITIAL LOG ENTRY (Man	ndatory) 06/20/98 BY Randy Feders
······	·
SAMPLE STORAGE LOCATION (Ma	inditory) Store initial split in building 51
COLLECTION SITE (Reference Maps	s or Field Notes As Required)
Sample collected from wall of	soil pit duy on north-facing slope in upper
watershed (north sub-basin	~) of split wash at Yucca Mountain. Initial
estimate of Nevada State	a) of split Wash at Yuccu Mountain. Initial Coordinates is N765150 and E560840 ft.
0	0
	APLE(S) Randoll Fedors and Olive chadwick
PERSON(S) WHO COLLECTED SAM	in cours and one and one and one
PERSON(S) WHO COLLECTED SAM	in color funda y roots and oring a calorer
SUPPLIER	
PERSON(S) WHO COLLECTED SAM SUPPLIER OTHER	

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CE	NTER FOR NUCLEAR WASTE REGULATORY ANALYSES
	SAMPLE CUSTODY LOG ENTRY FORM
SAMPLE IDENTIF	ACATION (Mandatory) RTW22
SAMPLE DESIGN	ATION RTW22
DESCRIPTION OF	SAMPLE (Mandatory) clay loam, aggregated '
	SAMPLE (Mandatory) clay loam aggregated 501 from depths of 20-25 cm from surface
REFERENCE TOP	OR SCIENTIFIC NOTEBOOK ENTRY Field Notebook; # 255, page 10
AMOUNT OF SA	MPLE ~1600 CM <sup>3</sup> (field volume) SIZE put into Igallon plasi E RECEIPT (Mandatory) 11/4/98 bug
DATE OF SAMPL	E RECEIPT (Mandatory) 11/4/98 bas
DATE OF INITIAL	LOG ENTRY (Mandatory) 12/18/98 BY R. Fedors
SAMPLE STORA	GE LOCATION (Mandatory) B(2 5)
COLLECTION SE	TE (Reference Maps or Field Notes As Required)
See	page 100, then page 73 for location x description is: From a pit in the colluvium on the crest of Yucca Mth. Nevada; near upper part of northern branch of Split Wash
Appro	x description is: From a pit in the colluvium on
	The crest of Yucca Mth Nevada; near upper
	part of northern branch of Split Wash
PERSON(S) WHO	COLLECTED SAMPLEISI Randy Fedors
e in a	
SUPPLIER	
OTHER	
	n an
	•
•	

Crushed Tuff

Assign to: Ron Green

	CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES
	SAMPLE CUSTODY LOG ENTRY FORM
SAMPLE I	DENTIFICATION (Mandatory) Topopah Spring (lower lithophysal) Tptp11
	DESIGNATION Totpil/Topoph Spring/lower lithophysal
DESCRIPT	TON OF SAMPLE (Mandatory) fist-size samples of rhyolitic
	tuff
REFERENC	CE TOP OR SCIENTIFIC NOTEBOOK ENTRY notebook # 382/p 2
AMOUNT	OF SAMPLE ~ 4,300 Ibs/lo barrels SIZE fist-size
	SAMPLE RECEIPT (Mandatory) 12/16/99
DATE OF	INITIAL LOG ENTRY (Mandatory) 12/21/99 BY Melissa Hill
SAMPLE	STORAGE LOCATION (Mandatory) Bldg 51
COLLECT	ION SITE (Reference Maps or Field Notes As Required)
	Niche # 5 FCRB Vucca Mountain, Neu
	U.S.A.
PERSON	s) WHO COLLECTED SAMPLE(S) Dick Kovach
- <u></u>	
SUPPLIEF	<u>}</u>
OTHER	
	•

# Fortymile Wash/Amargosa Desert Soils

Assign to: Marius Necsoiu

Sample Identification (Mandatory): 9/17/00 550068 4058397

Sample Designation: Lab#1

Description of Sample (Mandatory): Coarse loamy sand to sand channel deposit

from 1-11 cm depth

By: R. Fedors

Reference TOP or Scientific Notebook Entry: Scientific Notebook #338, page 13 (2)

**Amount of Sample:** 264.2 cm<sup>3</sup> (likely over-represented) Size:

Date of Sample Receipt (Mandatory): 9/17/00

Date of Initial Log Entry (Mandatory): 09/29/00

Sample Storage Location (Mandatory): Building 51

**Collection Site (Reference Maps or Field Notes as Required):** 

Fortymile Wash north of Highway 95 in area of active channel & fluvial sheet wash deposits.

Collected near USGS stream gage; more representative of channel deposits than Lab#4.

UTM NAD27 coordinates E 550068 N 4058397 meters.

Mid-transect of Spectral Site 091700-2.

Two composited samples taken one on top of the other using the metal cylinder press.

Collected with minimal exposure time to arid atmosphere; stored in 1 gal ziplock freezer bag.

Difficulty collecting sample because of buried boulders, volume is likely an overestimate.

Person(s) Who Collected Samples: David Farrell

Supplier:

Other:

Sample Identification (Mandatory): 09/17/00 550018 4058398

Sample Designation: Lab#2

Description of Sample (Mandatory): Sandy loam soil to loamy sand; sheetwash; 1-11 cm

Reference TOP or Scientific Notebook Entry: Scientific Notebook #338, page 13 (3)

<b>Amount of Sample:</b> 264.2 cm <sup>3</sup>	Size:
Date of Sample Receipt (Mandatory): 9/17/00	
Date of Initial Log Entry (Mandatory): 09/29/00	By: R. Fedors

Sample Storage Location (Mandatory): Building 51

**Collection Site (Reference Maps or Field Notes as Required):** 

Fortymile Wash north of Highway 95 in area of sheet wash deposits between active channels.

UTM NAD27 coordinates E 550018 N 4058398 meters.

On transect of Spectral Site 091700-2.

Two composited samples taken one on top of the other (stacked) using metal cylinder press.

Cylinder is 5.8 cm diameter and 5 cm height.

Collected with minimal exposure time to arid atmosphere; stored in 1 gal ziplock freezer bag.

Person(s) Who Collected Samples: David Farrell

**Supplier:** 

Other:

Sample Identification (Mandatory): 09/17/00-1 550618 4058277

Sample Designation: Lab#3

Description of Sample (Mandatory): Sandy loam to loamy sand soil; depth 1-6 cm

Reference TOP or Scientific Notebook Entry: Scientific Notebook #338, page 10

<b>Amount of Sample:</b> 264.2 cm <sup>3</sup>	Size:
Date of Sample Receipt (Mandatory): 9/17/00	
Date of Initial Log Entry (Mandatory): 09/29/	00 By: R. Fedors

Sample Storage Location (Mandatory): Building 51

**Collection Site (Reference Maps or Field Notes as Required):** 

Fortymile Wash north of Highway 95 in of old fluvial sheet wash deposits.

Brushed away top scree (~1 cm depth).

UTM NAD27 coordinates E 550618 N 4058277 meters.

Spectral Site 091700-1.

Two composited samples from ~1 m apart using the metal cylinder press.

Cylinder is 5.8 cm diameter and 5 cm height.

Collected with minimal exposure time to arid atmosphere; stored in 1 gal ziplock freezer bag.

Person(s) Who Collected Samples: Randy Fedors

Supplier:

**Other:** 

Sample Identification (Mandatory): 09/17/00 550057 4058244

Sample Designation: Lab#4

Description of Sample (Mandatory): Sandy loam channel deposit at 1-11 cm depth

(clodding of soil prevalent)

**Reference TOP or Scientific Notebook Entry:** Scientific Notebook #338, page 13 (1)

Amount of Sample:	$264.2 \text{ cm}^3$	Size:	
Date of Sample Recei	pt (Mandatory): 9/17/00		
Date of Initial Log En	try (Mandatory): 09/29/00	Bv: R Fedors	

Sample Storage Location (Mandatory): Building 51

**Collection Site (Reference Maps or Field Notes as Required):** 

Fortymile Wash north of Highway 95 in active sub-channel of the wash.

Upstream side of dirt road embankment where water ponds, top <1 cm of silt scraped off.

UTM NAD27 coordinates E 550057 N 4058244 meters.

South of Spectral site 091700-2.

Two composited samples taken one on top of the other using the metal cylinder press.

Cylinder is 5.8 cm diameter and 5 cm height.

Collected with minimal exposure time to arid atmosphere; stored in 1 gal ziplock freezer bag.

Person(s) Who Collected Samples: David Farrell

Supplier:

**Other:** 

Sample Identification (Mandatory): 0919-1 535336 4073644

Sample Designation: Lab#5

Description of Sample (Mandatory): Fine sandy loam soil, pavement; 1-6 cm depth

Reference TOP or Scientific Notebook Entry: Scientific Notebook #338, page 26

Amount of Sample:	264.2 cm <sup>3</sup>	Size:		
Date of Sample Recei	pt (Mandatory): 9/19/00			
Date of Initial Log E	ntry (Mandatory): 09/29/00	Bv:	R. Fedors	

Sample Storage Location (Mandatory): Building 51

**Collection Site (Reference Maps or Field Notes as Required):** 

Crater Flat, south of intersection of main dirt roads west of Red Cone

(one north-south and one heading east to Red Cone and eventually Solitario Canyon).

UTM NAD27 coordinates E 535336 N 4073644 meters.

Spectral site 0919-1.

Two composited samples taken 1 m apart using the metal cylinder press.

Cylinder is 5.8 cm diameter and 5 cm height.

Collected with minimal exposure time to arid atmosphere; stored in 1 gal ziplock freezer bag.

Thin (<1cm) scree cover brushed away before sampling.

Person(s) Who Collected Samples: Randy Fedors

**Supplier:** 

Other:

Sample Identification (Mandatory): Jet-1 545774 4078224

Sample Designation: Lab#6

Description of Sample (Mandatory): Fine sandy loam soil; 1-6 cm depth

Reference TOP or Scientific Notebook Entry: Scientific Notebook #338, page 18

By: R. Fedors

Amount of Sample:	$264.2 \text{ cm}^3$	 Size:

Date of Sample Receipt (Mandatory): 9/18/00

**Date of Initial Log Entry (Mandatory):** 09/29/00

Sample Storage Location (Mandatory): Building 51

**Collection Site (Reference Maps or Field Notes as Required):** 

Jet Ridge mid-hillslope below caprock ledges on east-trending washes.

UTM NAD27 coordinates E 545774 N 4078224 meters.

Near Spectral Sites cap1xx.\* and cap2xx.\*

Two composited samples taken 1 m apart using the metal cylinder press.

Cylinder is 5.8 cm diameter and 5 cm height.

Collected with minimal exposure time to arid atmosphere; stored in 1 gal ziplock freezer bag.

Person(s) Who Collected Samples: David Farrell / Randy Fedors

Supplier:

**Other:** 

Sample Identification (Mandatory): 0919-2a 544038 4052978

Sample Designation: Lab#7

Description of Sample (Mandatory): Sandy loam to loamy sand soil;

cobbly pavement at 0.5-5.5 cm depth

Reference TOP or Scientific Notebook Entry: Scientific Notebook #338, page 29

Amount of Sample:	$264.2 \text{ cm}^3$	Size:	
Date of Sample Recei	pt (Mandatory): 9/19/00		
Date of Initial Log Er	ntry (Mandatory): 09/29/00	By:	R. Fedors

Sample Storage Location (Mandatory): Building 51

**Collection Site (Reference Maps or Field Notes as Required):** 

Middle of Amargosa Desert, between Amargosa Farms and Big Dune.

Distributed channel/sheetwash area

UTM NAD27 coordinates E 544038 N 4052978 meters.

Spectral site 0919-2.

Two composited samples taken 1 m apart using the metal cylinder press.

Cylinder is 5.8 cm diameter and 5 cm height.

Collected with minimal exposure time to arid atmosphere; stored in 1 gal ziplock freezer bag.

Person(s) Who Collected Samples: Randy Fedors

**Supplier:** 

Other:

Sample Identification (Mandatory): 0919-2b 544038 4052978

Sample Designation: Lab#8

Description of Sample (Mandatory): Sandy loam to loamy sand soil; 14-19 cm depth

Reference TOP or Scientific Notebook Entry: Scientific Notebook #338, page 29

<b>Amount of Sample:</b> 264.2 cm <sup>3</sup>	Size:
Date of Sample Receipt (Mandatory): 9/1	9/00
Date of Initial Log Entry (Mandatory): (	09/29/00 <b>By:</b> R. Fedors

Sample Storage Location (Mandatory): Building 51

**Collection Site (Reference Maps or Field Notes as Required):** 

Middle of Amargosa Desert, between Amargosa Farms and Big Dune.

Distributed channel/sheetwash area

UTM NAD27 coordinates E 544038 N 4052978 meters.

Spectral site 0919-2.

Two composited samples taken 1 m apart using the metal cylinder press.

Cylinder is 5.8 cm diameter and 5 cm height.

Collected with minimal exposure time to arid atmosphere; stored in 1 gal ziplock freezer bag.

Person(s) Who Collected Samples: Randy Fedors

**Supplier:** 

Other:

**Busted Butte** 

Assign to: Jude McMurry

	SAMPLE CUSTODY LOG ENTRY FORM
S	SAMPLE IDENTIFICATION (Mandatory) BB1
	SAMPLE DESIGNATION
]	DESCRIPTION OF SAMPLE (Mandatory) Busted Butte Phase II mineback; friable, nonwelded vitric tuff
	from the top of the mineback wall; possibly Tptpv2 according to USGS geologist
]	REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY Sci Ntbk 428, p. 33-37
	AMOUNT OF SAMPLE (arge black SIZE 8"× 8"× 10"
	DATE OF SAMPLE RECEIPT (Mandatory) May 22, 2001
•	DATE OF INITIAL LOG ENTRY (Mandatory) 6/8/01 BY R. Fedors
	SAMPLE STORAGE LOCATION (Mandatory) Bldg 51, SwRI; plastic wrap & duct tape, labeled on tape
	COLLECTION SITE (Reference Maps or Field Notes As Required) Busted Butte Underground Facility; see page 34 of Sci Ntbk #428.
]	Busted Butte Underground Facility; see page 34 of Sci Ntbk #428.

	CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES
	SAMPLE CUSTODY LOG ENTRY FORM
SAMPLE ID	ENTIFICATION (Mandatory) BB2
SAMPLE DE	ESIGNATION
DESCRIPTI	ON OF SAMPLE (Mandatory) Busted Butte Phase II mineback; friable, nonwelded vitric tuff
from the upp	er portion of the Tptpv1 layer
REFERENC	E TOP OR SCIENTIFIC NOTEBOOK ENTRY Sci Ntbk 428, p. 33-37
AMOUNT O	FSAMPLE lavze block SIZE & × 8" × 9"
DATE OF SA	AMPLE RECEIPT (Mandatory)     May 22, 2001
DATE OF IN	NITIAL LOG ENTRY (Mandatory) 6/8/01 BY R. Fedors
SAMPLE ST	ORAGE LOCATION (Mandatory) Bldg 51, SwRI; plastic wrap & duct tape, labeled on tape
COLLECTI	ON SITE (Reference Maps or Field Notes As Required)
<b>Busted Butte</b>	Underground Facility; see page 34 of Sci Ntbk #428.
DEDSONIC	
FERSUN(S)	WHO COLLECTED SAMPLE(S) R. Fedors
SUPPLIER	
OTHER /	Sample BB2 used for testing of drilling technique
761	- air permeatenetry (in-sut). Sample should no Youg
be	used for any lother analyses. It is now stored
	rock sholved in Bldg 51. RUF 5/21/03

	CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES
	SAMPLE CUSTODY LOG ENTRY FORM
SAMPLE II	DENTIFICATION (Mandatory) BB3
SAMPLE D	ESIGNATION
DESCRIPT	ION OF SAMPLE (Mandatory) Busted Butte Phase II mineback; friable, nonwelded vitric tuff
rom the mi	ddle portion of the Tptpv1 layer
REFEREN	CE TOP OR SCIENTIFIC NOTEBOOK ENTRY Sci Ntbk 428, p. 33-37
AMOUNT	OF SAMPLE large block SIZE 8" × 5" × 9"
	AMPLE RECEIPT (Mandatory) May 22, 2001
DATE OF I	NITIAL LOG ENTRY (Mandatory) 6/8/01 BY R. Fedors
SAMPLE S	TORAGE LOCATION (Mandatory) Bldg 51, SwRI; plastic wrap & duct tape, labeled on tape
	ON SITE (Reference Maps or Field Notes As Required) e Underground Facility; see page 34 of Sci Ntbk #428.
PERSON(S)	WHO COLLECTED SAMPLE(S) R. Fedors
SUPPLIER	
OTHER	

	LEAR WASTE REGULATORY ANALYSES
AMPLE IDENTIFICATION (Mandatory AMPLE DESIGNATION	r) <b>BB4</b>
	<ul> <li>Busted Butte Phase II mineback; friable, nonwelded vitric tuff</li> </ul>
rom the lower portion of the Tptpv1 layer	
REFERENCE TOP OR SCIENTIFIC NOT	TEBOOK ENTRY Sci Ntbk 428, p. 33-37
MOUNT OF SAMPLE (are p	rism shaped block SIZE 7" × 7" × 8"
DATE OF SAMPLE RECEIPT (Mandator	
DATE OF INITIAL LOG ENTRY (Mandad	
AMPLE STORAGE LOCATION (Manda	atory) _Bldg 51, SwRI; plastic wrap & duct tape, labeled on tape
COLLECTION SITE (Reference Maps or )	Field Notes As Required)
Busted Butte Underground Facility; see page	ge 34 of Sci Ntbk #428
PERSON(S) WHO COLLECTED SAMPL	E(S) R. Fedors
UPPLIER	
OTHER	

	SAMPLE CUSTODY LOG ENTRY FORM
SAMPLE	CIDENTIFICATION (Mandatory) BB5
SAMPLE	DESIGNATION
DESCRI	PTION OF SAMPLE (Mandatory) Busted Butte Phase II mineback; friable, nonwelded vitric tuff
rom abo	ve the ash layer in the upper portion of the CHnv layer
REFERE	NCE TOP OR SCIENTIFIC NOTEBOOK ENTRY Sci Ntbk 428, p. 33-37
AMOUN	TOFSAMPLE large block SIZE 8" × 9" × 9" × 9"
DATE O	F SAMPLE RECEIPT (Mandatory) May 22, 2001
DATE O	F INITIAL LOG ENTRY (Mandatory) 6/8/01 BY R. Fedors
SAMPLE	STORAGE LOCATION (Mandatory) Bldg 51, SwRI; plastic wrap & duct tape, labeled on tape
COLLEC	CTION SITE (Reference Maps or Field Notes As Required)
Busted B	utte Underground Facility; see page 34 of Sci Ntbk #428.
PERSON	(S) WHO COLLECTED SAMPLE(S) R. Fedors
SUPPLIE	CR
OTHER	

	CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES
	SAMPLE CUSTODY LOG ENTRY FORM
	SAMPLE IDENTIFICATION (Mandatory) BB6
	SAMPLE DESIGNATION
	DESCRIPTION OF SAMPLE (Mandatory) Busted Butte Phase II mineback; friable, nonwelded vitric tuff
	from above the ash layer in the upper portion of the CHnv layer
	REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY Sci Ntbk 428, p. 33-37
	AMOUNT OF SAMPLE large block SIZE 8" × 9" × 9"
	DATE OF SAMPLE RECEIPT (Mandatory) May 22, 2001
	DATE OF INITIAL LOG ENTRY (Mandatory)       6/8/01       BY       R. Fedors
-	SAMPLE STORAGE LOCATION (Mandatory) Bldg 51, SwRI; plastic wrap & duct tape, labeled on tape
	COLLECTION SITE (Reference Maps or Field Notes As Required)
	Busted Butte Underground Facility; see page 34 of Sci Ntbk #428.
_	· · · · · · · · · · · · · · · · · · ·
	PERSON(S) WHO COLLECTED SAMPLE(S) R. Fedors
1	SUPPLIER
	OTHER
_	

CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES	
SAMPLE CUSTODY LOG ENTRY FORM	
SAMPLE IDENTIFICATION (Mandatory) BB7	
SAMPLE DESIGNATION	
DESCRIPTION OF SAMPLE (Mandatory) Busted Butte Phase II mineback; friable, nonwelded vitric tuff	
from below the ash layer in middle portion of the CHnv layer	
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY Sci Ntbk 428, p. 33-37	
AMOUNT OF SAMPLE irregular - shaped block SIZE 7" × 8" × 12"	
DATE OF SAMPLE RECEIPT (Mandatory) May 22, 2001	
DATE OF INITIAL LOG ENTRY (Mandatory)       6/8/01       BY       R. Fedors	
SAMPLE STORAGE LOCATION (Mandatory) Bldg 51, SwRI; plastic wrap & duct tape, labeled on tape	
COLLECTION SITE (Reference Maps or Field Notes As Required)	
Busted Butte Underground Facility; see page 34 of Sci Ntbk #428.	
PERSON(S) WHO COLLECTED SAMPLE(S) R. Fedors	
SUPPLIER	
OTHER	
,	

	CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES
	SAMPLE CUSTODY LOG ENTRY FORM
	SAMPLE IDENTIFICATION (Mandatory) BB8
	SAMPLE DESIGNATION
	DESCRIPTION OF SAMPLE (Mandatory) Busted Butte Phase II mineback; friable, nonwelded vitric tuff
	from below the ash layer in the middle to lower portion of the CHnv layer (near the floor of the mineback)
	REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY Sci Ntbk 428, p. 33-37
	AMOUNT OF SAMPLE large block SIZE 9" x 9" x 9"
	DATE OF SAMPLE RECEIPT (Mandatory) May 22, 2001
	DATE OF INITIAL LOG ENTRY (Mandatory) 6/8/01 BY R. Fedors
	SAMPLE STORAGE LOCATION (Mandatory) Bldg 51, SwRI; plastic wrap & duct tape, labeled on tape
	COLLECTION SITE (Reference Maps or Field Notes As Required)
_	Busted Butte Underground Facility; see page 34 of Sci Ntbk #428.
_	
_	
_	
_	
-	PERSON(S) WHO COLLECTED SAMPLE(S) R. Fedors
_	SUPPLIER
_	OTHER

	CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES
	SAMPLE CUSTODY LOG ENTRY FORM
	ENTIFICATION (Mandatory) BB9~0 ( ESIGNATION
	ON OF SAMPLE (Mandatory) Busted Butte Phase II mineback; friable, nonwelded vitric tuff
	onjugate normal faults crossing the ash layer in the CHnv horizon
REFERENC	E TOP OR SCIENTIFIC NOTEBOOK ENTRY Sci Ntbk 428, p. 33-37
	FSAMPLE large block SIZE 10"x12" ×12"
DATE OF S.	AMPLE RECEIPT (Mandatory) May 22, 2001
DATE OF IN	NITIAL LOG ENTRY (Mandatory) 6/8/01 BY R. Fedors
AMPLE S7	'ORAGE LOCATION (Mandatory) Utah State University in Dr. James Evans' laboratory;
lastic wrap	& duct tape, labeled on tape
COLLECT	ON SITE (Reference Maps or Field Notes As Required)
Busted Butte	Underground Facility; see page 36 of Sci Ntbk #428.
ERSON(S)	WHO COLLECTED SAMPLE(S) R. Fedors and James Evans
UPPLIER	
THER	

	SAMPLE CUSTODY LOG ENTRY FORM				
AMPL	E IDENTIFICATION (Mandatory) BB10 ~ Ø ł				
SAMPL	E DESIGNATION				
DESCR	PTION OF SAMPLE (Mandatory) Busted Butte Phase II mineback; friable, nonwelded vitric tuff				
with set	of conjugate normal faults in the massive portion of the CHnv below the as layer				
REFER	ENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY Sci Ntbk 428, p. 33-37				
	TOFSAMPLE large black SIZE 9×9"×9"				
	OF SAMPLE RECEIPT (Mandatory)       May 22, 2001         OF INITIAL LOG ENTRY (Mandatory)       6/8/01       BY       R. Fedors				
DAIE	T INITIAL LOG ENTRI (Manualory) Wolvi DI K. Fedors				
	E STORAGE LOCATION (Mandatory) Utah State University in Dr. James Evans' laboratory;				
plastic v	rap & duct tape, labeled on tape				
COLLE	COLLECTION SITE (Reference Maps or Field Notes As Required)				
Busted 1	Butte Underground Facility; see page 36 of Sci Ntbk #428.				
PERSO	N(S) WHO COLLECTED SAMPLE(S) R. Fedors and James Evans				
SUPPLI	ER				
OTHER					

Bishop Tuff

# Assign to: C. Dinwiddie

	CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES
	SAMPLE CUSTODY LOG ENTRY FORM
	SAMPLE IDENTIFICATION (Mandatory) 061401-1
	SAMPLE DESIGNATION
	DESCRIPTION OF SAMPLE (Mandatory) Bishop Tuff, nonwelded basal bedded tuff,
	pumice clast supported; disturbed sample, known volume taken for bulk density
	REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY Sci Ntbk 428, p. 47-55
	AMOUNT OF SAMPLE nearly full 1 gallon ziplock bag SIZE
	DATE OF SAMPLE RECEIPT (Mandatory) June 14, 2001
	DATE OF INITIAL LOG ENTRY (Mandatory) 8/13/01 BY R. Fedors
	SAMPLE STORAGE LOCATION (Mandatory) Bldg 51; labeled 1 gallon ziplock bag
, 1	
	COLLECTION SITE (Reference Maps or Field Notes As Required)
	Southernmost sample at Horton Creek site near Bishop, CA; see Sci Ntbk #428, pages 47-55
	PERSON(S) WHO COLLECTED SAMPLE(S) R. Fedors
	SUPPLIER
	OTHER
'	

SAMPLE CUSTODY LOG ENTRY FORM
SAMPLE IDENTIFICATION (Mandatory) 061401-2
SAMPLE DESIGNATION
DESCRIPTION OF SAMPLE (Mandatory) Bishop Tuff, nonwelded basal bedded tuff,
pumice clast supported; disturbed sample, known volume taken for bulk density
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY Sci Ntbk 428, p. 47-55
AMOUNT OF SAMPLE nearly full 1 gallon ziplock bag SIZE
DATE OF SAMPLE RECEIPT (Mandatory) June 14, 2001
DATE OF INITIAL LOG ENTRY (Mandatory) 8/13/01 BY R. Fedors
SAMPLE STORAGE LOCATION (Mandatory) Bldg 51; labeled 1 gallon ziplock bag
COLLECTION SITE (Reference Maps or Field Notes As Required)
Northernmost sample at Horton Creek site near Bishop, CA; see Sci Ntbk #428, pages 47-55
PERSON(S) WHO COLLECTED SAMPLE(S) R. Fedors
SUPPLIER
OTHER
CNWRA Form TOP-004

# **CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES**

CNW

CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES	
SAMPLE CUSTODY LOG ENTRY FORM	
SAMPLE IDENTIFICATION (Mandatory) 061401-3	
SAMPLE DESIGNATION	
DESCRIPTION OF SAMPLE (Mandatory) Bishop Tuff, nonwelded ignimbrite tuff,	
unoriented, "undisturbed," sample block taken for bulk density estimate	
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY Sci Ntbk 428, p. 47-55	
AMOUNT OF SAMPLE irregular Shaped chunk SIZE 3"×4"×6"	
DATE OF SAMPLE RECEIPT (Mandatory) June 14, 2001	
DATE OF INITIAL LOG ENTRY (Mandatory)     8/13/01     BY     R. Fedors	$\neg$
SAMPLE STORAGE LOCATION (Mandatory) Bldg 51; plastic wrap & duct tape, labeled on tape	
COLLECTION SITE (Reference Maps or Field Notes As Required)	
Alcove area of Borrow Pit near mouth of Fish Slough north of Bishop, CA; see Sci Ntbk #428, pages 47-55	
PERSON(S) WHO COLLECTED SAMPLE(S) R. Fedors	
SUPPLIER	
OTHER	-

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CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES
SAMPLE CUSTODY LOG ENTRY FORM
SAMPLE IDENTIFICATION (Mandatory) 061401-4
SAMPLE DESIGNATION
DESCRIPTION OF SAMPLE (Mandatory) Bishop Tuff, nonwelded ignimbrite tuff,
unoriented, "undisturbed," sample block taken for bulk density estimate
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY         Sci Ntbk 428, p. 47-55
AMOUNT OF SAMPLE irregular-shaped chunk SIZE 3"x 31/2" x 7"
DATE OF SAMPLE RECEIPT (Mandatory) June 14, 2001
DATE OF INITIAL LOG ENTRY (Mandatory) 8/13/01 BY R. Fedors
SAMPLE STORAGE LOCATION (Mandatory) Bldg 51; plastic wrap & duct tape, labeled on tape
COLLECTION SITE (Reference Maps or Field Notes As Required)
Alcove area of Borrow Pit near mouth of Fish Slough north of Bishop, CA; see Sci Ntbk #428, pages 47-55
PERSON(S) WHO COLLECTED SAMPLE(S) R. Fedors
TERSON(S) WHO COLLECTED SAMTLE(S) K. FEUUS
SUPPLIER
OTHER

SAMPLE CUSTODY ENTRY FORM	SAMPL	E CUST	ODY E	ENTRY	FORM
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SAMPLE IDENTIFICATION (Mandatory) CCHW1.GP1/2

SAMPLE

DESIGNATOR

DESCRIPTION OF SAMPLE (Mandatory): Nonwelded tuff collected from basal portion Bishop Tuff near

Bishop, California for estimating field bulk density.

REFERENCE SCIENTIFIC NOTEBOOK ENTRY: Collected by Bradbury, sci ntbk #515, page 34

(pages 60-61 of yellow field notebook taped onto page 34 of sci ntbk #515)

BY: R. Fedors

AMOUNT OF SAMPLE

SIZE 6.0cm x 4.5cm x 3.5 cm

DATE OF SAMPLE RECEIPT (Mandatory): June 26, 2002

DATE OF LOG ENTRY: August 12, 2002 (Mandatory)

SAMPLE STORAGE LOCATION (Mandatory): Building 51 laboratory

## COLLECTION SITE:

Chalk Cove area, lower fault transect, which is called CCHW1 (0-3m)

155 cm north of 142.5 cm location along CCHW1 transect line

Supplier:

SAMPLE IDENTIFICATION (Mandatory) CCHW1-GP4

SAMPLE

DESIGNATOR

DESCRIPTION OF SAMPLE (Mandatory): Nonwelded tuff collected from basal portion Bishop Tuff near

Bishop, California. Volume-sample was sealed and wrapped intact (hopefully) to measure volume in

lab to get field bulk density.

REFERENCE SCIENTIFIC NOTEBOOK ENTRY: Collected by Bradbury sci ntbk #515, page 34

(pages 60-61 of yellow field notebook taped onto page 34 of sci ntbk #515)

BY: R. Fedors

AMOUNT OF SAMPLE

SIZE 128 cm<sup>3</sup> (estimated in lab by submersion)

DATE OF SAMPLE RECEIPT (Mandatory): June 26, 2002

DATE OF LOG ENTRY: August 12, 2002 (Mandatory)

SAMPLE STORAGE LOCATION (Mandatory): Building 51 laboratory

## COLLECTION SITE:

Chalk Cove area, lower fault transect, which is called CCHW1 (3-6m)

2 cm north of CCHW1 transect line distance of 547.5 cm

Supplier:

SAMPLE IDENTIFICATION (Mandatory) CCHW1.GP5

SAMPLE

DESIGNATOR

DESCRIPTION OF SAMPLE (Mandatory): Nonwelded tuff collected from basal portion Bishop Tuff near

Bishop, California for estimating field bulk density.

REFERENCE SCIENTIFIC NOTEBOOK ENTRY: Collected by Bradbury sci ntbk #515, page 34

(pages 60-61 of yellow field notebook taped onto page 34 of sci ntbk #515)

BY: R. Fedors

AMOUNT OF SAMPLE

SIZE 13.0cm x 9.0cm x 3.5 cm

DATE OF SAMPLE RECEIPT (Mandatory): June 26, 2002

DATE OF LOG ENTRY: August 12, 2002 (Mandatory)

SAMPLE STORAGE LOCATION (Mandatory): Building 51 laboratory

#### COLLECTION SITE:

Chalk Cove area, lower fault transect, which is called CCHW1 (0-3m)

location: 20 cm south of CCHW1 transect line distance of 215 cm

Supplier:

SAMPLE IDENTIFICATION (Mandatory) CC2.GP1

SAMPLE

DESIGNATOR

DESCRIPTION OF SAMPLE (Mandatory): Nonwelded tuff collected from basal portion Bishop Tuff near

Bishop, California for estimating field bulk density.

REFERENCE SCIENTIFIC NOTEBOOK ENTRY: Collected by Bradbury sci ntbk #515, page 35

(pages 62 of yellow field notebook taped onto page 35 of sci ntbk #515)

BY: R. Fedors

AMOUNT OF SAMPLE

SIZE 4.5cm x 3.5cm x 9.0 cm

DATE OF SAMPLE RECEIPT (Mandatory): June 26, 2002

DATE OF LOG ENTRY: August 12, 2002 (Mandatory)

SAMPLE STORAGE LOCATION (Mandatory): Building 51 laboratory

## COLLECTION SITE:

Chalk Cove area, upper fault transect, which is called CC2

near 100-cm location along CC2 transect

Supplier:

Other:

SAMPLE IDENTIFICATION (Mandatory) CC2.GP2

SAMPLE

DESIGNATOR

DESCRIPTION OF SAMPLE (Mandatory): Nonwelded tuff collected from basal portion Bishop Tuff near

Bishop, California for estimating field bulk density.

REFERENCE SCIENTIFIC NOTEBOOK ENTRY: Collected by Bradbury sci ntbk #515, page 35

(pages 62 of yellow field notebook taped onto page 35 of sci ntbk #515)

BY: R. Fedors

AMOUNT OF SAMPLE

SIZE 9.0cm x 6.0cm x 7.0 cm

DATE OF SAMPLE RECEIPT (Mandatory): June 26, 2002

DATE OF LOG ENTRY: August 12, 2002 (Mandatory)

SAMPLE STORAGE LOCATION (Mandatory): Building 51 laboratory

## COLLECTION SITE:

Chalk Cove area, upper fault transect, which is called CC2

1.26 m north of transect, corresponding to the 200-cm location along CC2 transect

Supplier:

SAMPLE IDENTIFICATION (Mandatory) CC2.GP3

SAMPLE

DESIGNATOR

DESCRIPTION OF SAMPLE (Mandatory): Nonwelded tuff collected from basal portion Bishop Tuff near

Bishop, California for estimating field bulk density.

REFERENCE SCIENTIFIC NOTEBOOK ENTRY: Collected by Bradbury sci ntbk #515, page 35

(pages 62 of yellow field notebook taped onto page 35 of sci ntbk #515)

BY: R. Fedors

AMOUNT OF SAMPLE

SIZE 6.0cm x 9.0cm x 6.5 cm

DATE OF SAMPLE RECEIPT (Mandatory): June 26, 2002

DATE OF LOG ENTRY: August 12, 2002 (Mandatory)

SAMPLE STORAGE LOCATION (Mandatory): Building 51 laboratory

## COLLECTION SITE:

Chalk Cove area, upper fault transect, which is called CC2

near 350-cm location along CC2 transect

Supplier:

Other:

ENTER FOR NUCLEAR WASTE REGULATORY ANALYSES	Proc. <u>TOP-012</u> Revision <u>2</u> Change <u>0</u>
TECHNICAL OPERATING PROCEDURE	Page <u>6</u> of <u>6</u>
CENTER FOR NUCLEAR WASTE REGULA	TORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG E	NTRY FORM
SAMPLE IDENTIFICATION (Mandatory) YM-01-01	
DESCRIPTION OF SAMPLE (Mandatory) Tpy - YU	iccamtr. tuff
brown flaw unit, some cry	Istals good
Welding, elangate black Lite	ric fragments
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	piz Scientific
Notebook #476	
AMOUNT OF SAMPLE	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 5/23/0	SIZE 1 0) BY T.P. Evans N D Kelcusk Badau
DATE OF INITIAL LOG ENTRY (Mandatory) 5/2-3/0	OI BY J.P. Evans N
10/07/1	D Kelcyk Bradau
SAMPLE STORAGE LOCATION (Mandatory)	0
COLLECTION SITE (Reference Maps or Field Notes As Re	equired)
side hill traverse down to Ptn U	units - near
Yucca Mtn. ridge, NV	
elev OF 1382 UTM 054742	<u>ר</u>
407838	83
PERSON(S) WHO COLLECTED SAMPLE(S) Jame	s. P. Evans
SUPPLIER	
OTHER Subsample = YM-01-TS1	
thin-section Subs	ample id

ENTER FOR NUCLEAR WASTE REGULATORY ANALYSES	Proc. <u>TOP-012</u> Revision <u>2</u> Change <u>0</u>
TECHNICAL OPERATING PROCEDURE	Page <u>6</u> of <u>6</u>
CENTER FOR NUCLEAR WASTE REGULATO	RY ANALYSES
SAMPLE CUSTODY/CONTROL LOG ENT	TRY FORM
SAMPLE IDENTIFICATION (Mandatory) YM-02-01	
DESCRIPTION OF SAMPLE (Mandatory) taken from	1 within what
appears to be sequence of pre-Pa	n Canyon bedded
"units"	
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	1.13 # 476
AMOUNT OF SAMPLE	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 5123/01	
DATE OF INITIAL LOG ENTRY (Mandatory)-512-3/01	BY JPEVans
10/07/07	2 Kellykbradbu
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Requ	uired)
refer to notes p13#476	
Yucca Mith Ridge Area	
PERSON(S) WHO COLLECTED SAMPLE(S)	.P. Erans
SUPPLIER	
OTHER Subsample YM-02-TS2	
thin section Subso	imple id

ENTER FOR NUCLEAR WASTE REGULATORY ANALYSES	Proc. <u>TOP-012</u> Revision <u>2</u> Change <u>0</u>
TECHNICAL OPERATING PROCEDURE	Page <u>6</u> of <u>6</u>
CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	ITRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-01-01	
DESCRIPTION OF SAMPLE (Mandatory) fault Site	eface sample
Coating with primice fragments;	WI-Mick Feox
conting; Fault strikes 010	E/ 70 NE
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	pa5#476
	034
AMOUNT OF SAMPLE	SIZE 4 cm sample of faut
DATE OF SAMPLE RECEIPT (Mandatory) 6/3/01	
DATE OF INITIAL LOG ENTRY (Mandatory)	H BY J.P.EVans
	CC Kelly KBardlaury
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Rec	quired)
Harton Creek ; Fish Slauch Quadrangle	T65, R32E, Sei29
Loci on page 36 (velative to fame	t )
PERSON(S) WHO COLLECTED SAMPLE(S) James	Pitvans
SUPPLIER	
OTHER Subsample*: BT-01-TSI BT-01-XR	- thinsection
BT-01-XIL	D1 - Xrd
* Subsamples taken by Kell	Ly K. Bradbury

ENTER FOR NUCLEAR WASTE	Proc
REGULATORY ANALYSES	Revision <u>2</u> Change <u>0</u>
TECHNICAL OPERATING PROCEDURE	Page <u>6</u> of <u>6</u>
CENTER FOR NUCLEAR WASTE REGULA	TORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG E	NTRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-02-01	
DESCRIPTION OF SAMPLE (Mandatory) Slipsur- (all fault	face at Chalk
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p26 # 476
AMOUNT OF SAMPLE	SIZE 3 cm x (cm
DATE OF SAMPLE RECEIPT (Mandatory) し/13/0	
DATE OF INITIAL LOG ENTRY (Mandatory) したりの	BY J. P. Evans
10/07/	02 Kellenk Bradbi
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Re	auired)
Chalk care Site; Fish Sour	
Chalk care Site; Fish Sour Bishop	
Poishap	6H Qvad, CALi-
	6H Qvad, CALi-
POISHOP PERSON(S) WHO COLLECTED SAMPLE(S) J.P.EV	6H Qvad, CALi-
POISHOP PERSON(S) WHO COLLECTED SAMPLE(S) J.P.EV SUPPLIER	6H Qvad, CALi-
POISHOP PERSON(S) WHO COLLECTED SAMPLE(S) J.P.EV	6H Qvad, CALi-
POISHOP PERSON(S) WHO COLLECTED SAMPLE(S) J.P.EV SUPPLIER	6H Qvad, CALi-
POISHOP PERSON(S) WHO COLLECTED SAMPLE(S) J.P.EV SUPPLIER	6H Qvad, CALi-
PERSON(S) WHO COLLECTED SAMPLE(S) J.P.EV SUPPLIER OTHER	6H Qvad, CALi-
PERSON(S) WHO COLLECTED SAMPLE(S) J.P.EV SUPPLIER OTHER	6H Qvad, CALi-
PERSON(S) WHO COLLECTED SAMPLE(S) J.P.EV SUPPLIER OTHER	6H Qvad, CALi-
PERSON(S) WHO COLLECTED SAMPLE(S) J.P.EV SUPPLIER OTHER	6H Qvad, CALi-

ENTER FOR NUCLEAR WASTE REGULATORY ANALYSES TECHNICAL OPERATING PROCEDURE	Proc. <u>TOP-012</u> Revision <u>2</u> Change <u>0</u> Page <u>6</u> of <u>6</u>
CENTER FOR NUCLEAR WASTE REGULAT	I TORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EI	NTRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-03-0	>)
DESCRIPTION OF SAMPLE (Mandatory) Hangin	g-wall Tuff
Sample	
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p26#476
AMOUNT OF SAMPLE	SIZE 5 cm mux li
DATE OF SAMPLE RECEIPT (Mandatory) UG 170	In the second
DATE OF INITIAL LOG ENTRY (Mandatory) 0/07/02	_ BY Kecey & Bradbu
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Ref	quired)
Chalkcare Site; Bishop, (+	4 - Fish Szough Quad
PERSON(S) WHO COLLECTED SAMPLE(S) Jame	is P. Evans
SUPPLIER	
OTHER Subsample: BT-03-TSI	= Minsection
BT-03-XR	DI= Rraydiffraction
	Keller Kradain

ENTER FOR NUCLEAR WASTE REGULATORY ANALYSES TECHNICAL OPERATING PROCEDURE	Proc. <u>TOP-012</u> Revision <u>2</u> Change <u>0</u> Page <u>6</u> of <u>6</u>
CENTER FOR NUCLEAR WASTE REGULA	
SAMPLE CUSTODY/CONTROL LOG E SAMPLE IDENTIFICATION (Mandatory) BT-04-0	
DESCRIPTION OF SAMPLE (Mandatory) Fault St	
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	
AMOUNT OF SAMPLE	SIZE 4 cm x / cm
DATE OF SAMPLE RECEIPT (Mandatory) (2 14/01	
DATE OF INITIAL LOG ENTRY (Mandatory) 10/07/02	BY Kelly K. Bradban
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Re Bish.p. Borrow P.t	equired)
PERSON(S) WHO COLLECTED SAMPLE(S) James	P. Erans
SUPPLIER	
OTHER Subsample - BT-04-TSI BT-04 - Xrdl	
Subsamples talconby K	ellyk. Bradhmy
CNWRA FORM TOP-004	· · · ·

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CENTER FOR NUCLEAR WASTE REGULA SAMPLE CUSTODY/CONTROL LOG I	
SAMPLE IDENTIFICATION (Mandatory) BT-05-	
	p surface sample
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	
AMOUNT OF SAMPLE	SIZE 4 cm×1c
DATE OF SAMPLE RECEIPT (Mandatory) 6/14/6	21
DATE OF INITIAL LOG ENTRY (Mandatory) \0/07/(	2 BY KK Braden
SAMPLE STORAGE LOCATION (Mandatory)	
SAMPLE STORAGE LOCATION (Mandatory) (U SU) COLLECTION SITE (Reference Maps or Field Notes As R	equired)
	equired)
COLLECTION SITE (Reference Maps or Field Notes As R	equired)
COLLECTION SITE (Reference Maps or Field Notes As R Bishop Borrow Pit	
COLLECTION SITE (Reference Maps or Field Notes As R Bishop Burnow Pit	equired) S P. Drams
COLLECTION SITE (Reference Maps or Field Notes As R Bishop Borrow Pit Person(s) WHO COLLECTED SAMPLE(S) Jame	
COLLECTION SITE (Reference Maps or Field Notes As R Bishop Borrow Pit	s P. Drans

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CENTER FOR NUCLEAR WASTE REGUL	ATORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG	ENTRY FORM
SAMPLE IDENTIFICATION (Mandatory) PT-OL-01	
DESCRIPTION OF SAMPLE (Mandatory) From wo	car fault surface
	eck outenp
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	D36#476
AMOUNT OF SAMPLE	SIZE Simx 3 inxl
DATE OF SAMPLE RECEIPT (Mandatory) 6/14/01	
DATE OF INITIAL LOG ENTRY (Mandatory) 10/07/02	2 BY Kelly K. Braden
	٩
SAMPLE STORAGE LOCATION (Mandatory) (LSL1	
COLLECTION SITE (Reference Maps or Field Notes As R	
Harton Cree K Site p 3210 =	1-476
Bionep, (.A	
PERSON(S) WHO COLLECTED SAMPLE(S) JAMAS	P. Nans
SUPPLIER	
OTHER BT-06-TSI 7 Subsamples	
BT-OLO-XRDI - Takenby K	ally k madning
	- U
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CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG E	NTRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-07-01	
DESCRIPTION OF SAMPLE (Mandatory) Fault (	ontact between
Lacustrine & ignimbrite	Sequence
Fault CO2/10N	
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p.6 # 486
AMOUNT OF SAMPLE	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 07/07/01	
DATE OF INITIAL LOG ENTRY (Mandatory) 10/07/02	BY Keely KBadb
	9
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Re	
Harton (reck, Biohop, (A Finh	r Slagh Quacl
	ALVIN A 1
PERSON(S) WHO COLLECTED SAMPLE(S) Tim P. EN	we a letty . Wad Sin
SUPPLIER	2 Oileca idea
OTHER BT-07-TSI-thimsection	- Subsamples
BT-07-XRDI-Xruy	(7a) talenby
XI M	(75) - KICK

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CENTER FOR NUCLEAR WASTE REGULATO	DRY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	TRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT - 08-01	
DESCRIPTION OF SAMPLE (Mandatory) Slightly Co	mented wall in
immediate hav	からようた かちょうか からようた からなた ちょうたかがく
Hertenciel fa	
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	0 6 #48h
AMOUNT OF SAMPLE	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 07/07/01	
DATE OF INITIAL LOG ENTRY (Mandatory) 10/07/02	BY Kely KBradby
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Requ	uired)
Herrandreell, Bronop, W	
PERSON(S) WHO COLLECTED SAMPLE(S) $\sqrt{\sqrt{3}}$	Al arrival
	N N TANG
	Perans
SUPPLIER	Subsamples
OTHER 61-08-751 bT-08-XRD1 (Ba) (	by Kelly K. Badhurk
XRDZ (Bb)	) muy contraction

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CENTER FOR NUCLEAR WASTE REGULAT	DRY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	TRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-09-01	
DESCRIPTION OF SAMPLE (Mandatory) Face opport	s sample anent.
Line - N/S /70;	Fault Line
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	ple #486
	)
AMOUNT OF SAMPLE	SIZE Ocm X 3 cm X 3
DATE OF SAMPLE RECEIPT (Mandatory) 07/07/01	11, 40
DATE OF INITIAL LOG ENTRY (Mandatory) 10 07/02	BY Celly K. Bradhing
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Req	uired)
Hortonciaek, BIOMOD, LA	
$\mathcal{I}$	
	<u> </u>
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly	C. Bradbury
SUPPLIER	
OTHER BT-09-TSI - thin section	r.subsample
CNWRA FORM TOP-004	

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CENTER FOR NUCLEAR WASTE REGULA	TORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG E	NTRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-10-01	
DESCRIPTION OF SAMPLE (Mandatory) perpendic	ular to fault plan
(S dip ar	mi marceron
red siv-fa	
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p10#486
AMOUNT OF SAMPLE	SIZE Sen X 4 cm X
DATE OF SAMPLE RECEIPT (Mandatory) 7/1/01	
DATE OF INITIAL LOG ENTRY (Mandatory) 10/07/1	22 BY Kelly K Bradb
$\cdot$	0
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Re	equired)
Hatonerell, Bishon, CA:	
-1000000000000000000000000000000000000	
Ste	
5:te , 1	
5:te / 1 /	
	1 Bredland
	K. Bradbuny
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly	K. Bradbuny
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly I	
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly I	K. Bradbuny tion Sub-sample
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly I	
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly I	
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly I	
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly I SUPPLIER OTHER PAT-10-731 - Minsec	
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly I SUPPLIER OTHER PT-10-T31 - Minsec CNWRA FORM TOP-004	
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly I SUPPLIER OTHER PAT-10-731 - Minsec	
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly I SUPPLIER OTHER PT-10-T31 - Minsec CNWRA FORM TOP-004 Attachment A	
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly I SUPPLIER OTHER PT-10-731 - Minsec CNWRA FORM TOP-004	

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CENTER FOR NUCLEAR WASTE REGULA	TORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG E	NTRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-11-01	
DESCRIPTION OF SAMPLE (Mandatory) calate file	d trachie from
pavement map & Bin	IN Pit Site
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p.7#486
	<u> </u>
AMOUNT OF SAMPLE	SIZE   Sum X 10 cm X
DATE OF SAMPLE RECEIPT (Mandatory) 7/7/01	
DATE OF INITIAL LOG ENTRY (Mandatory) 10/07/0	02 BY Kelly K. Bradbi
	<u> </u>
SAMPLE STORAGE LOCATION (Mandatory) USU	
COLLECTION SITE (Reference Maps or Field Notes As Re	A
Konnevit Site, Banner	pit Quamp,
Fish Slaigh Guad, Bi	shap, CA
· · · · · · · · · · · · · · · · · · ·	edlene P Al
PERSON(S) WHO COLLECTED SAMPLE(S)	ansa la cuy Bradbur
	lig Forster
SUPPLIER	
OTHER BT-11-XRDI J Subsample	<u> </u>
BT-11-XRDZ N	

ENTER FOR NUCLEAR WASTE REGULATORY ANALYSES	Proc. <u>TOP-012</u> Revision <u>2</u> Change <u>0</u>
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CENTER FOR NUCLEAR WASTE REGULA	TORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG E	NTRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-12-C	<u>&gt; \</u>
DESCRIPTION OF SAMPLE (Mandatory) poorly to	non welded tiff
within pavement	e produkti se
East sample of tr	
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	
AMOUNT OF SAMPLE	SIZE 30cm x 30cm x 3
DATE OF SAMPLE RECEIPT (Mandatory) 7/08/0	
DATE OF INITIAL LOG ENTRY (Mandatory) 10/07/0	2 BY Kecky K Pradlung
	0
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Re	equired)
Barrow Pit Site; Bishup, CA	
DERSON(S) M/HO COLLECTED SAMPLE(S) LATA	hadava
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly K	Badbury
	0
SUPPLIER	
OTHER	

TECHNICAL OPERATING PROCEDURE CENTER FOR NUCLEAR WASTE REGULATOR SAMPLE CUSTODY/CONTROL LOG ENTI APLE IDENTIFICATION (Mandatory) パデーンろー	
SAMPLE CUSTODY/CONTROL LOG ENTI	
	RY FORM
1PLE IDENTIFICATION (Mandatory) PT-13-01	
SCRIPTION OF SAMPLE (Mandatory) tuff with West same	n pavement may
ERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	9#486
DUNT OF SAMPLE	SIZE (Scmx Zucmx Z
E OF SAMPLE RECEIPT (Mandatory) 7/08/01	
E OF INITIAL LOG ENTRY (Mandatory) 10/07/02-	BY Kelly Badbu
IPLE STORAGE LOCATION (Mandatory) USU	
LECTION SITE (Reference Maps or Field Notes As Requi	red)
Bamed Rit Site, Bishop CF	7
· · · · · · · · · · · · · · · · · · ·	
RSON(S) WHO COLLECTED SAMPLE(S) VELLIT (C	. Bridbung wster
PPLIER	
IER	
VRA FORM TOP-004	

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CENTER FOR NUCLEAR WASTE REGUL	ATORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG	ENTRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-14-(	01
DESCRIPTION OF SAMPLE (Mandatory) Pit 3	Sample includes
West sid	e of fault surface
nm-welder	
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	109#486
AMOUNT OF SAMPLE	SIZE 25 cm X 15 cm X
DATE OF SAMPLE RECEIPT (Mandatory) 7/08/	
DATE OF INITIAL LOG ENTRY (Mandatory) 10/07	102 BY Keller (Bad
	$\sigma$
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As F	Required)
pit 3 site @ Bam	DDit Bishop, (
	) > F'
PERSON(S) WHO COLLECTED SAMPLE(S) JIME	Bradbury
Kell.	Badbury
SUPPLIER	t. U
OTHER	

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CENTER FOR NUCLEAR WASTE REGULATO	DRY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	TRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-15-01	
DESCRIPTION OF SAMPLE (Mandatory) Pit 3 5	ample include
East nal-	f of Block
Sample 1	ST-14-01
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	29 #486
AMOUNT OF SAMPLE	SIZE Scinx Docm x 150
DATE OF SAMPLE RECEIPT (Mandatory) 7/08/0	<u>l</u>
DATE OF INITIAL LOG ENTRY (Mandatory) 10/07/0	DZ BY KK Baden
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Requ	irod)
Dit 2 @ Benza Dit . P	i o h o (A)
	$(a)(q), q \in [-]$
PERSON(S) WHO COLLECTED SAMPLE(S) J.M. EVA	Ins: (raig Farstes;
Voller	C Badlins
SUPPLIER	
OTHER	
CNWRA FORM TOP-004	

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CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	ITRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-16-C	) (
DESCRIPTION OF SAMPLE (Mandatory) Fault SI	N-face epoxied
in situ - sample to	alcon after dried
pit3 fault	· · · · · · · · · · · · · · · · · · ·
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p10 #486
	<u>\</u>
AMOUNT OF SAMPLE	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 7/08/0	<u>1</u>
DATE OF INITIAL LOG ENTRY (Mandatory) (0/07/	OL BY KK Bradby
SAMPLE STORAGE LOCATION (Mandatory) USU	
COLLECTION SITE (Reference Maps or Field Notes As Re	quired)
upper Fault @ Pit 3, Bonno Dit	site, Bishop, (A
NW corner of Barrow Pit	
منهم الأمان المستجهدين المراكبة المراكبة المراكبة المراكبة المراكبة المراكبة المراكبة المراكبة المراكبة المراك	20.05
PERSON(S) WHO COLLECTED SAMPLE(S) J.mE	varis
PERSON(S) WHO COLLECTED SAMPLE(S) Jum E	-varis
PERSON(S) WHO COLLECTED SAMPLE(S) Jum E	-varis
SUPPLIER	-varis
	-varis
SUPPLIER OTHER Subsamples: BT-16-TS1	-varis

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CENTER FOR NUCLEAR WASTE REGULAT	IORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EI	
SAMPLE IDENTIFICATION (Mandatory) BT-17-01	
DESCRIPTION OF SAMPLE (Mandatory) TOP of	- sample is
8cm below b	ase of pit 3
contains fau	ut surface
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p10 #486
	1
AMOUNT OF SAMPLE	SIZE 30 cm K 30 cm K
DATE OF SAMPLE RECEIPT (Mandatory) 7/8/0	
DATE OF INITIAL LOG ENTRY (Mandatory) 10/07/0	VBY KKBrachun
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Rec	•
Pits, Bomwpit site,	Biohop, CA
PERSON(S) WHO COLLECTED SAMPLE(S) Jim Eva	ins & Kelly Barchy
	LIS Y NULY CTAUGHT
SUPPLIER	
OTHER	
and the second second the second s	

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CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	NTRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-18-01	
DESCRIPTION OF SAMPLE (Mandatory) 6000 Siz	re Analynis Sample
	led price seguence
	rek (0-10cm)
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p11 #486
	1
AMOUNT OF SAMPLE forse sample in I gallon bag	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 7/08/0	
DATE OF INITIAL LOG ENTRY (Mandatory) 10/07/	02 BY KKBradhan
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Ref	quired)
Horon Creek, Bishup, CA	
	<del>,</del>
PERSON(S) WHO COLLECTED SAMPLE(S)	tarster
<u>Lele</u> ;	1 Gradbury
SUPPLIER	
OTHER From TOP OF Failart Depos	$\frac{1}{2}$
BT-18 thru BT-29 Samples collected from Se	gience
TOP to Bottom	V BT-29-01
CNWRA FORM TOP-004 SUDSIMALI: BT-18-651	

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CENTER FOR NUCLEAR WASTE REGULA	TORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG E	NTRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-19-01	
DESCRIPTION OF SAMPLE (Mandatory) Sec PT-	18-01
(10-200	<u>m)</u>
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p11#486
	1 1 1/102
AMOUNT OF SAMPLE loos sample, partially filled	1gel SIZE
DATE OF SAMPLE RECEIPT (Mandatory) $7/08/C$	))
DATE OF INITIAL LOG ENTRY (Mandatory)	102 BY KKBradb
SAMPLE STORAGE LOCATION (Mandatory) USU COLLECTION SITE (Reference Maps or Field Notes As Re Harton (VEIV, Burhon	equired)
	erster & Kelly Bradly
PERSON(S) WHO COLLECTED SAMPLE(S) UNUC 1	A second s
PERSON(S) WHO COLLECTED SAMPLE(S) Chilyt SUPPLIER OTHER DT-19-651 Subsam Analy	ne for cyrainsize
SUPPLIER OTHER BT-19-651 Subsam	ne for czrainsize

REGULATORY ANALYSES	Revision <u>2</u> Change <u>0</u>
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CENTER FOR NUCLEAR WASTE REGULATO	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	TRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-20-(	<u>)</u>
DESCRIPTION OF SAMPLE (Mandatory) (20-7)(	)(1) See PTT-18-0
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p11 #486
AMOUNT OF SAMPLE Locs sample in Igallon bas	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 7/8/0	<b>[</b>
DATE OF INITIAL LOG ENTRY (Mandatory) 10 / 07	102 BY Klbradburg
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Req	
Horton Creek, Biship, CA	
PERSON(S) WHO COLLECTED SAMPLE(S) Craig Fr	rster & Kelly Bradhim
	C
$\frac{\text{SUPPLIER}}{2\pi 2C_{\pi}(aS)}$	
OTHER BT-2C-6SI	
CNWRA FORM TOP-004	
医白喉 化丁基基苯基 化化化学 医外外的 法法律的 化丁基苯基乙酰基苯基乙酰基苯基乙酰基苯基乙酰基苯基乙酰基苯基乙酰基	the second s

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CENTER FOR NUCLEAR WASTE REGULA	TORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG E	NTRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-21-	01
	an) see PT-18.
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p11#4184
AMOUNT OF SAMPLE loss sample in I got bay	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 7/8-10	
DATE OF INITIAL LOG ENTRY (Mandatory)	rz BY Kilbradbu
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Re	quired)
Horten Creek, Binkap (	A
PERSON(S) WHO COLLECTED SAMPLE(S) ( rais to	rster a kelly Brade
SUPPLIER	
OTHER BT-ZI-6SI	
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CENTER FOR NUCLEAR WASTE REGULAT	DRY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	TRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT - 22	-01
DESCRIPTION OF SAMPLE (Mandatory) (40-50)	m) see BT-18-C
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	11#190
ALI ENERGE FOR OK OCIENTIFIC NOTEDOOK ENTRY	<i>μ</i> 11- 102
AMOUNT OF SAMPLE Wase sample in 1 gal bag	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 7/08/0	
DATE OF INITIAL LOG ENTRY (Mandatory) ノンノンノレ	Z BY KKAnder
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Req	uired)
Marton Creek, Bish.	
PERSON(S) WHO COLLECTED SAMPLE(S) Crock SF2	rstor & Kelly Bradle.
SUPPLIER	
OTHER BT-22-651	
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CENTER FOR NUCLEAR WASTE REGULA	FORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG E	<b>a</b>
SAMPLE IDENTIFICATION (Mandatory)	
DESCRIPTION OF SAMPLE (Mandatory) しつしーし	20cm) see pT-13-C
	-11 1(2)-
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	P11-1480
AMOUNT OF SAMPLE loss sample in I gal bay	
DATE OF SAMPLE RECEIPT (Mandatory) 7/8/	
DATE OF INITIAL LOG ENTRY (Mandatory)	102 BY Klowdellow
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Re	
Martin Creek, P	inship, CA
~ ~	- (la v N M
PERSON(S) WHO COLLECTED SAMPLE(S) Craig F	erster & Kully Bradbu
SUPPLIER	
OTHER BT-23-651	

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CENTER FOR NUCLEAR WASTE REGULA	TORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG E	NTRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-24	-01
DESCRIPTION OF SAMPLE (Mandatory) (100-70	(m) See PT-18-01
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p11#486
AMOUNT OF SAMPLE loss sample in I gal bag	
DATE OF SAMPLE RECEIPT (Mandatory) $7/8/0$	— — · · · · · · · · · · · · · · · · · ·
DATE OF INITIAL LOG ENTRY (Mandatory) レノロア	102 BY Ubrader
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Re	equired)
Harton Creek, Broho	
	0 1
PERSON(S) WHO COLLECTED SAMPLE(S)	erster ellelly Bad
د.	<u>.</u>
SUPPLIER	
OTHER BT-24-651	
	(i) A set of the term of term o term of term of ter

ENTER FOR NUCLEAR WASTE REGULATORY ANALYSES TECHNICAL OPERATING PROCEDURE	Proc. <u>TOP-012</u> Revision <u>2</u> Change <u>0</u> Page <u>6</u> of <u>6</u>
CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	
SAMPLE IDENTIFICATION (Mandatory) BT-255-	01
DESCRIPTION OF SAMPLE (Mandatory) $(70-8)$	0 cm) see BT-18-C
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p11#486
	۹ ۱۹۹۹ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰
AMOUNT OF SAMPLE loss Sample on I gol bag	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 7/8/01	
DATE OF INITIAL LOG ENTRY (Mandatory) 10/7/0	2 BY KK Bradbun
SAMPLE STORAGE LOCATION (Mandatory) (15U	
COLLECTION SITE (Reference Maps or Field Notes As Red	 guired)
Hoston Creck, B.	phas (A
• •	
PERSON(S) WHO COLLECTED SAMPLE(S) Craig	Forster
(Cell	pradburg
SUPPLIER	•
OTHER Subsample BT-25	-651
CNWRA FORM TOP-004	

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CENTER FOR NUCLEAR WASTE REGUL	ATORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG	ENTRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-26	
DESCRIPTION OF SAMPLE (Mandatory)	an) sec pt-18-01
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	1 p11 #486
AMOUNT OF SAMPLE liss se sample in I gal ba	۶ SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 7/8/	01
DATE OF INITIAL LOG ENTRY (Mandatory) 10/07/0	or BY Kibadhr
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As R	Required)
Horton Creek, Bishop, CH	4
PERSON(S) WHO COLLECTED SAMPLE(S)	g-forster
	foradion
SUPPLIER OTHER SUSSAMPLE BT-26-6	391

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CENTER FOR NUCLEAR WASTE REGULATO	DRY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	TRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-27-0	
DESCRIPTION OF SAMPLE (Mandatory) (90-100	(m) see BT-18-01
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p11#486
AMOUNT OF SAMPLE loose sample in Igal bay	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 7/8/01	****
DATE OF INITIAL LOG ENTRY (Mandatory) (0/7/02	BY KEBradbung
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Req	uired)
Horton Crike K-, Bishop, CA	
/ / /	
PERSON(S) WHO COLLECTED SAMPLE(S) Craigf KellyB	roster radbru/
SUPPLIER	0
OTHER Subsample 65-27-651	·
1017/02	

ENTER FOR NUCLEAR WASTE REGULATORY ANALYSES	Proc. <u>TOP-012</u> Revision <u>2</u> Change <u>0</u>
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CENTER FOR NUCLEAR WASTE REGULATO	DRY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	TRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-28-01	
DESCRIPTION OF SAMPLE (Mandatory) 100-110cm	n (see 67-18-01)
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	211 #486
AMOUNT OF SAMPLE LOOSE sample in Igal bag	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 7/8/01	
DATE OF INITIAL LOG ENTRY (Mandatory) 0007/01	BY Kkradhury
SAMPLE STORAGE LOCATION (Mandatory)	·
COLLECTION SITE (Reference Maps or Field Notes As Req	uired)
Hadan (Mall C Bicher)	(A
(un written a providence)	
PERSON(S) WHO COLLECTED SAMPLE(S) (Walg	twster
	had sur
OTHER Subsample BT28-651	· <u>····································</u>
OTHER Subsample 15126-651	
<u></u>	
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CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	TRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-29-01	
DESCRIPTION OF SAMPLE (Mandatory) 110 - 120	(see BT-18-01)
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	
AMOUNT OF SAMPLE loss surple in I gal bag	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 7/8/0/	
DATE OF INITIAL LOG ENTRY (Mandatory) 10/7/0/	BY KR Bradbury
· ,	U
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Req	uired)
Harton Will-K, Bisher, 14	
· · · · · · · · · · · · · · · · · · ·	
PERSON(S) WHO COLLECTED SAMPLE(S) Craig	Firster
Kelly	Bradburg
SUPPLIER /	
OTHER Subsample - BT-29-65	>
•	
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CENTER FOR NUCLEAR WASTE REGULATO	DRY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	TRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-770-0	
DESCRIPTION OF SAMPLE (Mandatory) Oction 0-	f fractive,
adjacent to the	ton week fault
w/in hanging.	
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p12#486
	1
AMOUNT OF SAMPLE loose sample in I gal bay	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 7/8/01	
DATE OF INITIAL LOG ENTRY (Mandatory)	) BY KKBradburg
· ·	0
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Req	uired)
Hartan Greek Facet, P	ning, GA
)	}
PERSON(S) WHO COLLECTED SAMPLE(S) JIMEVA	ns & Kell Bradburn
· · · · · · · · · · · · · · · · · · ·	
SUPPLIER	
OTHER	
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CENTER FOR NUCLEAR WASTE REGULATO	DRY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	TRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-3-0	
DESCRIPTION OF SAMPLE (Mandatory) Stele - St	ationaphic Sectionarea
Sample collected w/ com/6	J drill bit of
moderately welded Bish	up TVff
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	n12#486
	<u>рі</u>
AMOUNT OF SAMPLE	SIZE Scindia X 60
DATE OF SAMPLE RECEIPT (Mandatory) 7/8/0/	
DATE OF INITIAL LOG ENTRY (Mandatory) 10 7/01	BY KK Bradby
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Rec	uired)
Stratignaphic sections	ite-Site-6?
located West of Cr	ucifixsite
a lang chalk Bluffs	Road.
Bishep, (A	• )
PERSON(S) WHO COLLECTED SAMPLE(S) (Vali	Farsta
Kell-4	Bradbing
SUPPLIER	0
OTHER BT-771-731 - MM-5	ectioned subsample
CNWRA FORM TOP-004	

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CENTER FOR NUCLEAR WASTE REGULATO	DRY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN SAMPLE IDENTIFICATION (Mandatory) BT-32-01	
DESCRIPTION OF SAMPLE (Mandatory) poorly to y Left of pit 1	on-welded titte deposit
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p. 14 #486
AMOUNT OF SAMPLE 1 gal bug sample DATE OF SAMPLE RECEIPT (Mandatory) 7/9/01 DATE OF INITIAL LOG ENTRY (Mandatory) 10/09/02	SIZE BY K.Bradbury
SAMPLE STORAGE LOCATION (Mandatory)	······································
COLLECTION SITE (Reference Maps or Field Notes As Req Barrier Blohap, CA, pit 2	
PERSON(S) WHO COLLECTED SAMPLE(S) JIMEV	ans
SUPPLIER OTHER BT-32-TSI thingect	on Subsample
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CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	TRY FORM
SAMPLE IDENTIFICATION (Mandatory) めて-かみ-0)	
DESCRIPTION OF SAMPLE (Mandatory) porty weld	ed tonon-welded tuff
collected @ Pit	2 due traces testsite
@ power pit	, 
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p14#486
	T
AMOUNT OF SAMPLE 1 gal bay sample	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 7/9/01	
DATE OF INITIAL LOG ENTRY (Mandatory) 10/08/02	- BY CC Bradler
· · / /	0
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Req	uired)
Bamo Pit; Bushon, (A. oi	12
	,
PERSON(S) WHO COLLECTED SAMPLE(S) JMP	INC
SUPPLIER	
OTHER	
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CENTER FOR NUCLEAR WASTE REGULATO	DRY ANALYSES	
SAMPLE CUSTODY/CONTROL LOG EN	TRY FORM	
SAMPLE IDENTIFICATION (Mandatory) BT-34-01		
DESCRIPTION OF SAMPLE (Mandatory) Da sal in	it of mapped	
bedded tiff seavence - 19cm micle		
beck - 40cm Eo.	ffault in Fromiall	
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY $p_{15} = 400$		
AMOUNT OF SAMPLE Small by Sample for XA	L) SIZE	
	DATE OF SAMPLE RECEIPT (Mandatory) 7/9/01	
DATE OF INITIAL LOG ENTRY (Mandatory) \0/ 8/02	BY KEBradbury	
SAMPLE STORAGE LOCATION (Mandatory)	Namenie en définie des félicies de la definition de la definition de la definition de la definition de la defini	
	SAMPLE STORAGE LOCATION (Mandalory) (1)	
COLLECTION SITE (Reference Maps or Field Notes As Req	uired)	
Crucifix, crossing faults site along		
Challe Bhiffs H. Bishon (A		
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly K. Bradany		
Jason Heath		
SUPPLIER		
OTHER BT-34-XRD1 SINDSample		
ł		
CNWRA FORM TOP-004	. <u></u> i	

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TECHNICAL OPERATING PROCEDURE	
CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	
SAMPLE IDENTIFICATION (Mandatory) 57-35-01 DESCRIPTION OF SAMPLE (Mandatory) (MAN Wede banded by y	y of bedded toff nam fault & small
footwall fo	<u>uuti</u>
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p 15 #486
AMOUNT OF SAMPLE Samell buy sample for XR	D SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 7/9/01 DATE OF INITIAL LOG ENTRY (Mandatory) )0/08/	OV BY KBrade
SAMPLE STORAGE LOCATION (Mandatory) 12.5U	······································
COLLECTION SITE (Reference Maps or Field Notes As Re	quired)
Chrifix Ste, Bipher	, UA
	·
PERSON(S) WHO COLLECTED SAMPLE(S) Kellyk	n Heata
SUPPLIER	· ·
OTHER BT-775-XRDI-Subsa	mple
······································	
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CENTER FOR NUCLEAR WASTE REGULAT	DRY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	TRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-36-C	>1
DESCRIPTION OF SAMPLE (Mandatory) 2 ( e CAM	past of fault in
footwall -	Ash deposit
bed is 15 CA	n-tricle
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	
AMOUNT OF SAMPLE Small bey simple for XRD	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) $7/9/0$	
DATE OF INITIAL LOG ENTRY (Mandatory) 10 000	J-BY CCBradlent
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Req	uired)
Chicifix Site, Bishe	p.CA
	ļ '
PERSON(S) WHO COLLECTED SAMPLE(S) 1414	Bradbing
Japan	Heartz 1
SUPPLIER	
OTHER Subsample BT-36-Xvd 1	
1	
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CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	ITRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-37-01	
DESCRIPTION OF SAMPLE (Mandatory) intensely	fractured ignimbrite
Sequence 15	an-thick w/m
bedded tuff	S - Lightgrang
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	P15#486
	\ 
AMOUNT OF SAMPLE Small by sample for XRD	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) フノパノの	
DATE OF INITIAL LOG ENTRY (Mandatory)	2 BY K KBroloz
	(
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Rec	quired)
Chicitix Sile Bish.	n. 44
	†/•
PERSON(S) WHO COLLECTED SAMPLE(S)	Bradlann
	1 that
SUPPLIER	
OTHER Stample BT-37-XV	rd
and annumple fill /	
	<u>·····</u> -·······························
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CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	ITRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-38-01	
DESCRIPTION OF SAMPLE (Mandatory) BT-38A-07	
BT-30B-0	fromsarre bed"
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	D 15 # 4970
AMOUNT OF SAMPLE Small bay sample for XRD	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 7/9/01	
DATE OF INITIAL LOG ENTRY (Mandatory) 10/8/07	2 BY K KBrack
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Red	quired)
Crucifix 316; Biphen (1	•
( ) ().	
PERSON(S) WHO COLLECTED SAMPLE(S) (11)	Badbuny
~ I	0
SUPPLIER	
OTHER BT-38-XRDI (38A	) subsamp
BT-38-XRDZ (38P	
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CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	ITRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT - 39-0	1
DESCRIPTION OF SAMPLE (Mandatory) medium	- coarser grain
bedded to	ff led ; abunda
Litvic clasta	, sandymatrix
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	015 #486
	l
AMOUNT OF SAMPLE Smill bay sample for XRD	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 7/9/0	1 
DATE OF INITIAL LOG ENTRY (Mandatory) 10/08/07_	BY KKBradbur
· ,	
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Red	quired)
Critic Chalk Blaffe	lord Brokup L
	· · · ·
PERSON(S) WHO COLLECTED SAMPLE(S) WHU	Chadbury
Task	A fleatin
SUPPLIER	
OTHER SUBSAMPLE BT-39-XRDI	
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Proc. TOP-012 **ENTER FOR NUCLEAR WASTE REGULATORY ANALYSES** Revision \_2\_ Change \_0 Page <u>6</u> of <u>6</u> **TECHNICAL OPERATING PROCEDURE** CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES SAMPLE CUSTODY/CONTROL LOG ENTRY FORM SAMPLE IDENTIFICATION (Mandatory) BT-41-01 DESCRIPTION OF SAMPLE (Mandatory) Faultzone going comprined of entraned white bed - drag ged Celcon; white bed is leans REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY sample for XRD AMOUNT OF SAMPLE smell bag SIZE DATE OF SAMPLE RECEIPT (Mandatory) 7/9/0 10/8/02 BY KK. Bradl DATE OF INITIAL LOG ENTRY (Mandatory) SAMPLE STORAGE LOCATION (Mandatory) USU COLLECTION SITE (Reference Maps or Field Notes As Required) Crucifix Site, Chark Bluff Rd., Bishop, CA Kelly Brad Dan Jasus Heatis PERSON(S) WHO COLLECTED SAMPLE(S) SUPPLIER OTHER BT-41-XRD **CNWRA FORM TOP-004** 



**CNWRA Form TOP-2** 

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CENTER FOR NUCLEAR	WASTE REGULATO	RY ANALYSES
SAMPLE CUSTODY	CONTROL LOG ENT	RY FORM
SAMPLE IDENTIFICATION (Mandatory	) BT-42-01	
DESCRIPTION OF SAMPLE (Mandator	v) white Ash	hostrock
	45 cm +1	nicle bedd
REFERENCE TOP OR SCIENTIFIC NO		.15#486
		en la sensita da en la sensita da esta da esta Esta da esta da
AMOUNT OF SAMPLE Small bag S	ample for XRD	SIZE
DATE OF SAMPLE RECEIPT (Mandato	m) 7/9/01	
DATE OF INITIAL LOG ENTRY (Manda	tory) (0/8/C	2 BY KCBradbin
SAMPLE STORAGE LOCATION (Mand	atory) USU	
COLLECTION SITE (Reference Maps of	r Field Notes As Requ	ired)
ancifix St	2 Binhap	CA
		1990 - Carlos Maria, en estadores de la composición de la composición de la composición de la composición de l 1990 - Carlos Antonio de la composición
a territoria de la construcción de La construcción de la construcción d		
PERSON(S) WHO COLLECTED SAMP	LE(S) Kelly Kelly	radjoing & Tagen Heat
SUPPLIER		
OTHER Subsample	ST-12-XRD	
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	Attachment A	
WRA Form TOP-2		$\phi_{\rm eff} = 1.5$ , the set of eq. ( ) where $\phi_{\rm eff} = 1.5$



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CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	
SAMPLE IDENTIFICATION (Mandatory) BT-42-C	
DESCRIPTION OF SAMPLE (Mandatory) White ASM	hostrock
45cm+	mich bedd
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p.15#486
AMOUNT OF SAMPLE Small bay sample for XPD	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 7/9/0	1
DATE OF INITIAL LOG ENTRY (Mandatory) (0/8/0	DZ BY KKBradbun
· · · · ·	
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Rec	quired)
Ling x & El, Disney	
	······································
	<u></u>
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly K.	bradbury & Tagen Heat
SUPPLIER	**************************************
OTHER Subsample BJ-42-XRi	>
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CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	
SAMPLE IDENTIFICATION (Mandatory) めーサン・01	
DESCRIPTION OF SAMPLE (Mandatory) Lightaray,	mediumtocoarse
quined	······································
J	
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p15-#486
AMOUNT OF SAMPLE Small bay sample for XRD	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 1/9/0	
DATE OF INITIAL LOG ENTRY (Mandatory)	102BY K & Bradber
SAMPLE STORAGE LOCATION (Mandatory)	****
COLLECTION SITE (Reference Maps or Field Notes As Rec	wired)
Curcifix Site Chalks	Hufferd
Bishen (A	
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly K. E	adami TasanHeat
SUPPLIER	······································
OTHER MT-43-XRDI	
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Attachment A

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CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	ITRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-44-01	·····
DESCRIPTION OF SAMPLE (Mandatory) White AS	.n. Host rull
10/e/ozxice Pham	oedd-tructures.
(dragged in	to Fautzone (BT-13-0
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	016#486
AMOUNT OF SAMPLE small buy sample for XRD	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 7/9/0	<u>)1</u>
DATE OF INITIAL LOG ENTRY (Mandatory) [0] どん	2 BY C. CBudger
r 	0
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Rec	uired)
Chicifix Bishop, CA	-
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly Br. Jason H	adbing
JasonH	eath"
SUPPLIER	
OTHER BT-44-XRDI	
CNWRA FORM TOP-004	

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TECHNICAL OPERATING PROCEDURE CENTER FOR NUCLEAR WASTE REGULATOR SAMPLE CUSTODY/CONTROL LOG ENTR SAMPLE IDENTIFICATION (Mandatory) BT-45-01 DESCRIPTION OF SAMPLE (Mandatory) tan grace FIt - Bt REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY AMOUNT OF SAMPLE Smgll by Simple for XRP	Page <u>6</u> of <u>6</u>
SAMPLE CUSTODY/CONTROL LOG ENTI SAMPLE IDENTIFICATION (Mandatory) BT-45-01 DESCRIPTION OF SAMPLE (Mandatory) tan grace FI+ - BE REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY AMOUNT OF SAMPLE Smgll by Simple for XRP	
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COLLECTION SITE (Reference Maps or Field Notes As Requi	irod)
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PERSON(S) WHO COLLECTED SAMPLE(S) Kelly K	Bradeny
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OTHER BT-45-XRDI Subsa	No. 1997
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ENTER FOR NUCLEAR WASTE REGULATORY ANALYSES	Proc. <u>TOP-012</u> Revision <u>2</u> Change <u>0</u> Page <u>6</u> of <u>6</u>
TECHNICAL OPERATING PROCEDURE	
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DESCRIPTION OF SAMPLE (Mandatory) White Ash	Bed hostrack - Fi
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AMOUNT OF SAMPLE Smill big sample for XRD	SIZE
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PERSON(S) WHO COLLECTED SAMPLE(S) Veily Bade	my & Jaon Heath
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DESCRIPTION OF SAMPLE (Mandatory)	nash I
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SAMPLE STORAGE LOCATION (Mandatory)	
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PERSON(S) WHO COLLECTED SAMPLE(S)	15 malling
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CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
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DESCRIPTION OF SAMPLE (Mandatory) Intense	f fractived
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Bishen, CH	
PERSON(S) WHO COLLECTED SAMPLE(S)	Bradbuni
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DESCRIPTION OF SAMPLE (Mandatory) FAULTSUA	
of faul	t NIE /89'S
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	DILe #186
AMOUNT OF SAMPLE Small bag sample for XRD	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 7/9/01	
DATE OF INITIAL LOG ENTRY (Mandatory) 10/8/02	BY K KBadbury
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SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Rec	
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FIShq), CA	
PERSON(S) WHO COLLECTED SAMPLE(S)	Really a
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OTHER BT-49-XRDI Sub Do	imple
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DESCRIPTION OF SAMPLE (Mandatory) Faulted	punice richunt
with cal	cite Vein from
Small fa	ult in fiotiall
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p17 #486
AMOUNT OF SAMPLE 3 chunks Genxtintin	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 7/9/01	
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SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Requ	uired)
Crucifix Site; Challe Bluf	fill, Pisnop, CA
PERSON(S) WHO COLLECTED SAMPLE(S) Ket	TimEvans
KKB10/8	• • • • • • • • • • • • • • • • • • •
SUPPLIER	
OTHER BT-50 - XRDI Subsample	by KICB
dy my na series and the series of the series o	

SAMPLE IDENTIFICATION (Mandatory) CCHW1.GP6

SAMPLE

DESIGNATOR

DESCRIPTION OF SAMPLE (Mandatory): Nonwelded tuff collected from basal portion Bishop Tuff near

Bishop, California for estimating field bulk density or water content.

REFERENCE SCIENTIFIC NOTEBOOK ENTRY: Collected by Bradbury, sci ntbk #515, page 81

AMOUNT OF SAMPLE

DATE OF SAMPLE RECEIPT (Mandatory): September 18, 2002

DATE OF LOG ENTRY: October 10, 2002 (Mandatory)

SAMPLE STORAGE LOCATION (Mandatory): Building 51 laboratory

### COLLECTION SITE:

Chalk Cove area, lower fault transect, which is called CCHW1 (0-3m)

Approximately 20 cm north of air permeameter site 240 (240-cm location along CCHW1 transect line)

Supplier:

Other:

**CNWRA Form TOP-2** 

SIZE Small chunks wrapped in duct tape

BY: R. Fedors

SAMPLE IDENTIFICATION (Mandatory) CCHW1.GP7

SAMPLE

DESIGNATOR

DESCRIPTION OF SAMPLE (Mandatory): Nonwelded tuff collected from basal portion Bishop Tuff near

Bishop, California for estimating field bulk density or water content.

REFERENCE SCIENTIFIC NOTEBOOK ENTRY: Collected by Bradbury, sci ntbk #515, page 81

AMOUNT OF SAMPLE

SIZE Small chunks wrapped in duct tape

BY: R. Fedors

DATE OF SAMPLE RECEIPT (Mandatory): September 18, 2002

DATE OF LOG ENTRY: October 10, 2002 (Mandatory)

SAMPLE STORAGE LOCATION (Mandatory): Building 51 laboratory

#### COLLECTION SITE:

Chalk Cove area, lower fault transect, which is called CCHW1 (0-3m)

Approx 20 cm south of transect line at ~185-cm location (between air permeameter sites 180 and 190)

Supplier:

SAMPLE IDENTIFICATION (Mandatory) CCHW1.GP8

SAMPLE

DESIGNATOR

DESCRIPTION OF SAMPLE (Mandatory): Nonwelded tuff collected from basal portion Bishop Tuff near

Bishop, California for estimating field bulk density or water content.

REFERENCE SCIENTIFIC NOTEBOOK ENTRY: Collected by Bradbury, sci ntbk #515, page 81

AMOUNT OF SAMPLE

SIZE Small chunks wrapped in duct tape

BY: R. Fedors

DATE OF SAMPLE RECEIPT (Mandatory): September 18, 2002

DATE OF LOG ENTRY: October 10, 2002 (Mandatory)

SAMPLE STORAGE LOCATION (Mandatory): Building 51 laboratory

#### COLLECTION SITE:

Chalk Cove area, lower fault transect, which is called CCHW1 (0-3m)

Approximately 30 cm north of air permeameter site 320 (320-cm location along CCHW1 transect line)

Supplier:

SAMPLE IDENTIFICATION (Mandatory) CC3.GP1

SAMPLE DESIGNATOR

DESCRIPTION OF SAMPLE (Mandatory): Nonwelded tuff collected from basal portion Bishop Tuff near

Bishop, California for estimating field bulk density or water content.

REFERENCE SCIENTIFIC NOTEBOOK ENTRY: Collected by Bradbury, sci ntbk #515, page 81

AMOUNT OF SAMPLE

SIZE Small chunks wrapped in duct tape

BY: R. Fedors

DATE OF SAMPLE RECEIPT (Mandatory): September 18, 2002

DATE OF LOG ENTRY: October 10, 2002 (Mandatory)

SAMPLE STORAGE LOCATION (Mandatory): Building 51 laboratory

#### COLLECTION SITE:

Chalk Cove area, upper fault transect, which is called CC3

Approximately 80 cm north of air permeameter site 280 on CC3 transect

(280-cm location along CC3 transect line)

or 220 cm north of transect baseline

Supplier:

SAMPLE IDENTIFICATION (Mandatory) CC3.GP2

SAMPLE

DESIGNATOR

DESCRIPTION OF SAMPLE (Mandatory): Nonwelded tuff collected from basal portion Bishop Tuff near

Bishop, California for estimating field bulk density or water content.

REFERENCE SCIENTIFIC NOTEBOOK ENTRY: Collected by Bradbury, sci ntbk #515, page 81

AMOUNT OF SAMPLE

SIZE Small chunks wrapped in duct tape

BY: R. Fedors

DATE OF SAMPLE RECEIPT (Mandatory): September 18, 2002

DATE OF LOG ENTRY: October 10, 2002 (Mandatory)

SAMPLE STORAGE LOCATION (Mandatory): Building 51 laboratory

#### COLLECTION SITE:

Chalk Cove area, upper fault transect, which is called CC3

Approximately 215 cm north of the 190-cm location on the CC3 transect

Supplier:

Other:

CNWRA Form TOP-2

SAMPLE IDENTIFICATION (Mandatory) CC3.GP3

SAMPLE

DESIGNATOR

DESCRIPTION OF SAMPLE (Mandatory): Nonwelded tuff collected from basal portion Bishop Tuff near

Bishop, California for estimating field bulk density or water content.

REFERENCE SCIENTIFIC NOTEBOOK ENTRY: Collected by Bradbury, sci ntbk #515, page 81

AMOUNT OF SAMPLE

SIZE Small chunks wrapped in duct tape

BY: R. Fedors

DATE OF SAMPLE RECEIPT (Mandatory): September 18, 2002

DATE OF LOG ENTRY: October 10, 2002 (Mandatory)

SAMPLE STORAGE LOCATION (Mandatory): Building 51 laboratory

### COLLECTION SITE:

Chalk Cove area, upper fault transect, which is called CC3

Approximately 50 cm north of 165-cm location on CC3 transect

(between the 160-cm and 170-cm locations along CC3 transect line)

Supplier:

SAMPLE IDENTIFICATION (Mandatory) CC3.GP4

SAMPLE

DESIGNATOR

DESCRIPTION OF SAMPLE (Mandatory): Nonwelded tuff collected from basal portion Bishop Tuff near

Bishop, California for estimating field bulk density or water content.

REFERENCE SCIENTIFIC NOTEBOOK ENTRY: Collected by Bradbury, sci ntbk #515, page 80

AMOUNT OF SAMPLE

SIZE Small chunks wrapped in duct tape

BY: R. Fedors

DATE OF SAMPLE RECEIPT (Mandatory): September 18, 2002

DATE OF LOG ENTRY: October 10, 2002 (Mandatory)

SAMPLE STORAGE LOCATION (Mandatory): Building 51 laboratory

#### COLLECTION SITE:

Chalk Cove area, upper fault transect, which is called CC3

Approximately 125 cm north of 115-cm location of CC3 transect

(between 110-cm and 120-cm locations along CC3 transect line)

Supplier:

SAMPLE IDENTIFICATION (Mandatory) CC3.GP5

SAMPLE

DESIGNATOR

DESCRIPTION OF SAMPLE (Mandatory): Nonwelded tuff collected from basal portion Bishop Tuff near

Bishop, California for estimating field bulk density or water content.

REFERENCE SCIENTIFIC NOTEBOOK ENTRY: Collected by Bradbury, sci ntbk #515, page 80

AMOUNT OF SAMPLE

SIZE Small chunks wrapped in duct tape

BY: R. Fedors

DATE OF SAMPLE RECEIPT (Mandatory): September 18, 2002

DATE OF LOG ENTRY: October 10, 2002 (Mandatory)

SAMPLE STORAGE LOCATION (Mandatory): Building 51 laboratory

### COLLECTION SITE:

Chalk Cove area, upper fault transect, which is called CC3

Approximately 225 cm north of 50-cm location of CC3 transect

Supplier:

SAMPLE IDENTIFICATION (Mandatory) CC3.GP6

SAMPLE

DESIGNATOR

DESCRIPTION OF SAMPLE (Mandatory): Nonwelded tuff collected from basal portion Bishop Tuff near

Bishop, California for estimating field bulk density or water content.

REFERENCE SCIENTIFIC NOTEBOOK ENTRY: Collected by Bradbury, sci ntbk #515, page 80

AMOUNT OF SAMPLE

DATE OF SAMPLE RECEIPT (Mandatory): September 18, 2002

DATE OF LOG ENTRY: October 10, 2002 (Mandatory)

SAMPLE STORAGE LOCATION (Mandatory): Building 51 laboratory

#### COLLECTION SITE:

Chalk Cove area, upper fault transect, which is called CC3

Approximately 235 cm north of 20-cm location of CC3 transect

Supplier:

Other:

**CNWRA Form TOP-2** 

SIZE Small chunks wrapped in duct tape

BY: R. Fedors

ENTER FOR NUCLEAR WASTE REGULATORY ANALYSES TECHNICAL OPERATING PROCEDURE	Proc. <u>TOP-012</u> Revision <u>2</u> Change <u>0</u> Page <u>6</u> of <u>6</u>
CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	TRY FORM
SAMPLE IDENTIFICATION (Mandatory) DT-51-01	
DESCRIPTION OF SAMPLE (Mandatory) fraction	greenash 1 bed
of crucifix gi	OLOgic Schematic
map	<b>U</b>
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	P17 #486
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AMOUNT OF SAMPLE 9.75165	SIZE 22×19×17cm
DATE OF SAMPLE RECEIPT (Mandatory)	7/9/01
DATE OF INITIAL LOG ENTRY (Mandatory) 0 22 02	BY / il puiling
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Rec	uired)
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PERSON(S) WHO COLLECTED SAMPLE(S) Keily K Taxin H	·
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OTHER 137-157-151 BT-157-XR	M
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CENTER FOR NUCLEAR WASTE REGULA	TORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG E	NTRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-52-01	
DESCRIPTION OF SAMPLE (Mandatory) 2000 10	tractive near
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banding	
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	017#486
AMOUNT OF SAMPLE	SIZE 15 cm × 15 cm × 1
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DATE OF INITIAL LOG ENTRY (Mandatory)	2 BY 16/CMrudin
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Re	equired)
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PERSON(S) WHO COLLECTED SAMPLE(S) TIM EVANS	, (raigterstor, keen
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OTHER BT 52-TSI Subsam	all
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d'ie trace + te	+ Othussite
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DATE OF SAMPLE RECEIPT (Mandatory) $7/9/0/$	
DATE OF INITIAL LOG ENTRY (Mandatory) 10/22/02	BY KICPAUdlow
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Req	uired)
Harton (Veck Site, 17)s	hop, CA
PERSON(S) WHO COLLECTED SAMPLE(S)	adding Jin Evans
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SUPPLIER	
OTHER 67-53-731	
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SUPPLIER	
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ET-51-XRDI	<b>J</b>
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CENTER FOR NUCLEAR WASTE REGULATO	DRY ANALYSES
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DESCRIPTION OF SAMPLE (Mandatory) 21Mm Fau	HSWFAC
and hansir	1 wall stal
from Chalk (	1) 11 = 195/74W
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	118, #14810 6.5, 80° rakes
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DATE OF INITIAL LOG ENTRY (Mandatory) 10122107 BY Killprache	
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Req	uired)
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PERSON(S) WHO COLLECTED SAMPLE(S) Kelly K	maduny
TAMAR	1 P. EVand
SUPPLIER	
DTHER M-55-TS1 2/14/09	- Thinseching
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CENTER FOR NUCLEAR WASTE REGULATO	RY ANALYSES
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REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	129#486
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AMOUNT OF SAMPLE	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 2/4/02	
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SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Requ	ired)
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Rusha CA	
	· · · · · · · · · · · · · · · · · · ·
PERSON(S) WHO COLLECTED SAMPLE(S) Tim P	. Evans
SUPPLIER	
OTHER SubsampleBT-576-TSI	
<u>an an a</u>	

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CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EI	NTRY FORM
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DESCRIPTION OF SAMPLE (Mandatory) Sec PT	-56-02
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fractive	by Pitz-Eof Pit
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p70#476
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DATE OF INITIAL LOG ENTRY (Mandatory) 10/9/0	2 BY Kr Balling
SAMPLE STORAGE LOCATION (Mandatory)	
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PERSON(S) WHO COLLECTED SAMPLE(S) JIMEV	ans
SUPPLIER	· · · · · · · · · · · · · · · · · · ·
OTHER BT-59=XRD KKBID	19/02
BT-57-TSI	
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REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY P 70#474 AMOUNT OF SAMPLE SIZE DATE OF SAMPLE RECEIPT (Mandatory) 2/5/02 DATE OF INITIAL LOG ENTRY (Mandatory) 10/9/02 BY KCBadbur SAMPLE STORAGE LOCATION (Mandatory) USU COLLECTION SITE (Reference Maps or Field Notes As Required) Barned P.H. Site, Bishep, CA PERSON(S) WHO COLLECTED SAMPLE(S) TM Dans SUPPLIER	ENTER FOR NUCLEAR WASTE REGULATORY ANALYSES	Proc. <u>TOP-012</u> Revision <u>2</u> Change <u>0</u>
SAMPLE CUSTODY/CONTROL LOG ENTRY FORM SAMPLE IDENTIFICATION (Mandatory) BT-59-02 DESCRIPTION OF SAMPLE (Mandatory) Lavay Mample 4 May Welded Aff from Way With dylamor Pits REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY 70+++7( AMOUNT OF SAMPLE SIZE DATE OF SAMPLE RECEIPT (Mandatory) 2/5/02 DATE OF INITIAL LOG ENTRY (Mandatory) 10/9/02 BY KKBadbu SAMPLE STORAGE LOCATION (Mandatory) USU COLLECTION SITE (Reference Maps or Field Notes As Required) Barrie Pit Site, Bishep, CA PERSON(S) WHO COLLECTED SAMPLE(S) TM Drans SUPPLIER	TECHNICAL OPERATING PROCEDURE	Page <u>6</u> of <u>6</u>
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CENTER FOR NUCLEAR WASTE REGULA	TORY ANALYSES
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SAMPLE IDENTIFICATION (Mandatory) BT-551-07	2
DESCRIPTION OF SAMPLE (Mandatory) West of	Bann Pit
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CENTER FOR NUCLEAR WASTE REGULATO	DRY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	TRY FORM
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PERSON(S) WHO COLLECTED SAMPLE(S) JME	vans
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CENTER FOR NUCLEAR WASTE REGULATO	DRY ANALYSES
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CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
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SAMPLE STORAGE LOCATION (Mandatory)	
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PERSON(S) WHO COLLECTED SAMPLE(S)	K. Bradbury
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AMOUNT OF SAMPLE	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 5/2/0	2
DATE OF INITIAL LOG ENTRY (Mandatory)	2- BY KKBradbury
1 1	J
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Rec	juired)
Crucifix Site Cha	
Bisher (A	
<u> </u>	
PERSON(S) WHO COLLECTED SAMPLE(S) Keily K	C. Bradbury
	<u>Charactery</u>
SUPPLIER	
OTHER BT-75b-(2S)	
17-75 10 - YIZ DI	·······
$(\beta 1 - 1) = \beta 1 - \beta 1 $	······································
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SAMPLE CUSTODY/CONTROL LOG EN	2
SAMPLE IDENTIFICATION (Mandatory) BT-75C-0	<u>272</u>
DESCRIPTION OF SAMPLE (Mandatory) FUDINCE	surface of
Culatix	fault
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p 30#509
AMOUNT OF SAMPLE	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 512110A	
DATE OF INITIAL LOG ENTRY (Mandatory) 101110/02	- BY KY Pradainf
SAMPLE STORAGE LOCATION (Mandatory)	· · · · · · · · · · · · · · · · · · ·
COLLECTION SITE (Reference Maps or Field Notes As Req	uired)
Enicifix Site; Chal Bishop, UA	K Bluffs Road
۷ 	
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly K.	Evadlouny
SUPPLIER	······································
OTHER BT-750-GSI SI BT-750-XRDI	Assamples
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CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	
SAMPLE IDENTIFICATION (Mandatory)	-02
DESCRIPTION OF SAMPLE (Mandatory) Haveing	wall side of
East wedge	fault Chiefix
Site -"	faultange
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p31#509
	1
AMOUNT OF SAMPLE	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 5 210	
DATE OF INITIAL LOG ENTRY (Mandatory) 10/10/02 BY (MANdamy	
SAMPLE STORAGE LOCATION (Mandatory)	····
COLLECTION SITE (Reference Maps or Field Notes As Rec	quired)
Christix Site, Challe Buffs Rd	
PERSON(S) WHO COLLECTED SAMPLE(S)	VBC
PERSON(S) WHO COLLECTED SAMPLE(S)	KBradburg
SUPPLIER	
OTHER BT-7(pa-GS)	
BT-710a-XRDI	
·	
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SAMPLE CUSTODY/CONTROL LOG EN	TRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-7(06) -	0 <u>7</u>
DESCRIPTION OF SAMPLE (Mandatory) Contral	fault gazze
of East	Wedge fault
<u> </u>	2)
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p31#509
	·
AMOUNT OF SAMPLE	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 5/21/02	
DATE OF INITIAL LOG ENTRY (Mandatory) [0] 16/02 BY KK Bradery	
SAMPLE STORAGE LOCATION (Mandatory)	······································
COLLECTION SITE (Reference Maps or Field Notes As Required to the second	uired)
Chicifix Site, Crossing faults	
Bishap, CA	
PERSON(S) WHO COLLECTED SAMPLE(S)	K. Bradburg
SUPPLIER	
OTHER Subsamples - 61-74	ds-651
BT-7	66-XRDI
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SAMPLE CUSTODY/CONTROL LOG EN	SAMPLE CUSTODY/CONTROL LOG ENTRY FORM	
SAMPLE IDENTIFICATION (Mandatory) BT - 716 C -	02	
DESCRIPTION OF SAMPLE (Mandatory) FUDTWall Surface OF East wedge fault		
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY P3H509		
AMOUNT OF SAMPLE	SIZE	
DATE OF SAMPLE RECEIPT (Mandatory) 5721/02-		
DATE OF INITIAL LOG ENTRY (Mandatory) 0/16/02 BY K Chradowy		
SAMPLE STORAGE LOCATION (Mandatory)	***	
COLLECTION SITE (Reference Maps or Field Notes As Req	COLLECTION SITE (Reference Maps or Field Notes As Required)	
Excessing faults, CMCifix Site		
Chalk Brufts Road		
Bishap, CA		
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly K. Bradhmy		
SUPPLIER		
other Subsamples bi -76c - C BT -71ec -	KRDI	
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CENTER FOR NUCLEAR WASTE REGULATO	DRY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	TRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-77-02	
DESCRIPTION OF SAMPLE (Mandatory) West W	edge fault Swface
	one main gaige
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	231#509
AMOUNT OF SAMPLE	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 5/21/02	
DATE OF INITIAL LOG ENTRY (Mandatory) 0/16/02	BY KKBradery
SAMPLE STORAGE LOCATION (Mandatory)	· · · · · · · · · · · · · · · · · · ·
COLLECTION SITE (Reference Maps or Field Notes As Req	uired)
Crossing faults, Crue Challe Bluffs	Doad
Bishop, (A	· ·
PERSON(S) WHO COLLECTED SAMPLE(S)	K-Bradbury
SUPPLIER	
OTHER Subsamples: BT-77-	651
BT - 77-	XRDI
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CENTER FOR NUCLEAR WASTE REGULATO	DRY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	TRY FORM
SAMPLE IDENTIFICATION (Mandatory) 127-784	-02
DESCRIPTION OF SAMPLE (Mandatory) Hanging	Wall faut
COVE gogg	of central
(major) Challe co	ve fauet
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY P314509	
	<b>/</b>
AMOUNT OF SAMPLE	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 5/21/02	
DATE OF INITIAL LOG ENTRY (Mandatory) 0/16/02 BY (Christian	
SAMPLE STORAGE LOCATION (Mandatory)	<u> </u>
SAMPLE STORAGE LOCATION (Manualory) [10] 11	
COLLECTION SITE (Reference Maps or Field Notes As Req	uired)
(halk (all, Chalk Bustik Road	
Pishon 14	
PERSON(S) WHO COLLECTED SAMPLE(S)	K. Bradbund
	/
SUPPLIER	
OTHER Subsamples - MT-790	2-051
BT-78	a- XRDI
· · · · · · · · · · · · · · · · · · ·	
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CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	
SAMPLE IDENTIFICATION (Mandatory) 61-780-0	2
DESCRIPTION OF SAMPLE (Mandatory) Central	facilit cere
<u>Jerse - 1</u>	cose sample
	Siz analysis
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p31#5209
	** <u>2112, 1111 at attains anna taona a</u> nna anna anna anna anna anna anna
AMOUNT OF SAMPLE	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 5 2-1/02	
DATE OF INITIAL LOG ENTRY (Mandatory)	OZ BY KK Braden
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Rec	
Chalk Cove Fau	H. Challe
Blutts Road	SIShop CA
PERSON(S) WHO COLLECTED SAMPLE(S) $\langle e_1 \rangle_{\gamma}$	K. Bradburg
SUPPLIER	
	$(\mathcal{D}\mathcal{D})$
OTHER Subsamples - BT-786-) BT-786-1	
121-705-1	
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CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	ITRY FORM
SAMPLE IDENTIFICATION (Mandatory) 51-78(	-02
DESCRIPTION OF SAMPLE (Mandatory) FOOTWALL Swface of -fault strand -	
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p31#509
AMOUNT OF SAMPLE	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 5721107	
DATE OF INITIAL LOG ENTRY (Mandatory)	02 BY KK Braden
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Rec	juired)
Challe (ce), Challe Blufferd Bishop, (A	
PERSON(S) WHO COLLECTED SAMPLE(S)	K. Bradbyn
SUPPLIER	
OTHER Subsamples BT-78	
BT-78	YICB
	10/16/02

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CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	
SAMPLE IDENTIFICATION (Mandatory) 67-79-0	
DESCRIPTION OF SAMPLE (Mandatory) Hancon	ny wallhostrale
	- You fault
0.0	seided buff Nff
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	PSIT SU
AMOUNT OF SAMPLE	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 5/2/102	
DATE OF INITIAL LOG ENTRY (Mandatory) 10116 102 BY KICBrahan	
	·
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Red	nuired)
Chalkcove, Chalk	Buffskd
Futzhan CA	
PERSON(S) WHO COLLECTED SAMPLE(S)	c Bradbing
SUPPLIER	
OTHER SJOSAMPLES - BT	T-79-651
F	T-79-X701
····	• ·
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CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	1
SAMPLE IDENTIFICATION (Mandatory) 5-90-0	
DESCRIPTION OF SAMPLE (Mandatory) For two	all hostrock
Lithelogy of	- Challe case fault
white non-iveld	ed berdderlpmice
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	P31#50'9
	•
AMOUNT OF SAMPLE	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 5721102	-
DATE OF INITIAL LOG ENTRY (Mandatory)	2 BY KKBude
SAMPLE STORAGE LOCATION (Mandatory)	<u></u>
COLLECTION SITE (Reference Maps or Field Notes As Rec	quired)
Charkcove fault, chal	IC bluffswad
Bishop, (A	
v	
PERSON(S) WHO COLLECTED SAMPLE(S)	K Bradby
/	1
SUPPLIER	· · · · · · · · · · · · · · · · · · ·
OTHER Subsamples - BT-SO-	-651
	1(5x2-1
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CENTER FOR NUCLEAR WASTE REGULATO	DRY ANALYSES	
SAMPLE CUSTODY/CONTROL LOG ENTRY FORM		
SAMPLE IDENTIFICATION (Mandatory)	2	
DESCRIPTION OF SAMPLE (Mandatory) FOOTWAL	L host rock -	
Slightly altered frotwall gas Zumbrick	Slightly altered fortuall gavae bandary	
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY p52#509		
AMOUNT OF SAMPLE	SIZE	
DATE OF SAMPLE RECEIPT (Mandatory) 62/102		
DATE OF INITIAL LOG ENTRY (Mandatory) 10/16/02 BY KKhadhing		
SAMPLE STORAGE LOCATION (Mandatory)	· · · · · · · · · · · · · · · · · · ·	
COLLECTION SITE (Reference Maps or Field Notes As Req	uired)	
Chall Care; Chall Care Bluffs Re Bishop, CA 10116/02		
	· · · · · · · · · · · · · · · · · · ·	
PERSON(S) WHO COLLECTED SAMPLE(S)	- Bradburg	
SUPPLIER		
OTHER -BT-81-65+ 10/16/02. BT-81-XI2DI	Kicb	
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CENTER FOR NUCLEAR WASTE REGUL	ATORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG	ENTRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-82-C	n
DESCRIPTION OF SAMPLE (Mandatory)	faultgase
fran cha	IC Care fault
at 7m	
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTR	r p52#509
	1
AMOUNT OF SAMPLE	SIZE 9,5 Y 5.5 X2.3
DATE OF SAMPLE RECEIPT (Mandatory)	N /
DATE OF INITIAL LOG ENTRY (Mandatory) 0)16/1	DD BY Allandak
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As I	Required)
Chalk care frace map, Chall	(all
Challe bluffs mad	
Bisticp, (A	
· · · · · · · · · · · · · · · · · · ·	
PERSON(S) WHO COLLECTED SAMPLE(S) KUU	KBradhmy
/	
SUPPLIER	
OTHER BT-82-XRDI	
BT-82-TSI (epoxied, ju 2/12	valitany for Thinsocian slie
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CENTER FOR NUCLEAR WASTE REGULAT	TORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG E	NTRY FORM
SAMPLE IDENTIFICATION (Mandatory)	<u> </u>
DESCRIPTION OF SAMPLE (Mandatory)	Mixtel Toyle Hanging-we
@ 10.4m a	ang chall cove tault
	possibly a Footwall block?
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p51#509
AMOUNT OF SAMPLE	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) $\left[ \frac{23}{01} \right]$ DATE OF INITIAL LOG ENTRY (Mandatory) $\left[ \frac{23}{01} \right]$	02 BY KKBadhug
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Re	quired)
Challe Care, Challe Blu	rff Rd
Kn. Olaco (At	7
· · · · · · · · · · · · · · · · · · ·	
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly	K. Bradbury
SUPPLIER	
OTHER VIT BM - XRDI	
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SAMPLE CUSTODY/CONTROL LOG EN	TRY FORM
SAMPLE IDENTIFICATION (Mandatory)	
DESCRIPTION OF SAMPLE (Mandatory) in - oxide	Stained fauet
gever with	thin Hangingwall
mixed 201	re @ 10.4m CFit
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p57#509
	P
AMOUNT OF SAMPLE	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 6 23/02	/
DATE OF INITIAL LOG ENTRY (Mandatory)	2 BY Kitpudler
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Req	uired)
Chalkene site cho Bislup cA	IK Bluff Road
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly K	Bradbing
SUPPLIER	
OTHER BT-94-XIZDI	
·····	
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CENTER FOR NUCLEAR WASTE REGULATO	DRY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	
SAMPLE IDENTIFICATION (Mandatory) MT-B-5-0	2
DESCRIPTION OF SAMPLE (Mandatory) Jun OKic	ce stand
Block	etween HW fractu
1 # 7 @	11-11.15 m chalkrougfi
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	0574509
	• • • •
AMOUNT OF SAMPLE 237.10x	SIZE 10 x 6 x 5 cm
DATE OF SAMPLE RECEIPT (Mandatory)	/
DATE OF INITIAL LOG ENTRY (Mandatory)	BY Alpuele
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Req	uired)
Challecave challes	Isht wad
PERSON(S) WHO COLLECTED SAMPLE(S)	1 (Amulle)
SUPPLIER	
OTHER MIMOS - XK-D	
6T- 85-731 (epryiec but.	not complete as of

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CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	
SAMPLE IDENTIFICATION (Mandatory) Mr-86-02	/
DESCRIPTION OF SAMPLE (Mandatory) Fault	argente
2Unt	icic from
13.7ma	long Chalk wefit
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p 58#509
	l
AMOUNT OF SAMPLE	SIZE
DATE OF SAMPLE RECEIPT (Mandatory)	2
DATE OF INITIAL LOG ENTRY (Mandatory)	2 BY Alpuden
SAMPLE STORAGE LOCATION (Mandatory)	······································
COLLECTION SITE (Reference Maps or Field Notes As Red	quired)
Challelave fault, C	halk Bluffroud
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly K	Bradbury
, , , , , , , , , , , , , , , , , , , ,	
SUPPLIER	
OTHER Mr. Glo-XRDI	
U	······································
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CENTER FOR NUCLEAR WASTE REGULAT	JORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	
SAMPLE IDENTIFICATION (Mandatory) P3 7-87-02	
DESCRIPTION OF SAMPLE (Mandatory) A+ 14m	change cove fault
trace map - sample	n fractived
plock on wests ill of	-fault love
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	05874509
	053#509
AMOUNT OF SAMPLE 241.39	SIZE (0 × 6, 5 × 6,5
DATE OF SAMPLE RECEIPT (Mandatory)	/
DATE OF INITIAL LOG ENTRY (Mandatory) 0/16/02	- BY K.K.Bradlef
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Red	quired)
Chalk care fault, Bishop, (A	Malk bhifferd
	· ? // /
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly k	. Bradburg
SUPPLIER	
OTHER 61-87-X1(D) BT-87-T31 (epoxieo	2/13/02
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CENTER FOR NUCLEAR WASTE REGULA	TORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG E	NTRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-88-02	
DESCRIPTION OF SAMPLE (Mandatory) Sample	from rack
petween fai	ilt and hanging
will fractive 4	
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	0/02 # 509
	/p : v · · ·
AMOUNT OF SAMPLE	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 10/24/	N
DATE OF INITIAL LOG ENTRY (Mandatory)	DBY MAnuday
SAMPLE STORAGE LOCATION (Mandatory) $USU$	
COLLECTION SITE (Reference Maps or Field Notes As Re	quired)
Challecare fault prace	map
Malle Bluffsna	d
PERSON(S) WHO COLLECTED SAMPLE(S) [Cell	+ 1C. Bade
SUPPLIER	
OTHER MI-BB-XUD	
· · · · ·	· · · · · · · · · · · · · · · · · · ·
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CENTER FOR NUCLEAR WASTE REGULATO	
SAMPLE CUSTODY/CONTROL LOG EN SAMPLE IDENTIFICATION (Mandatory) 67-89-02	
DESCRIPTION OF SAMPLE (Mandatory) Clay gency	
N2M Loci	CCZ SURVEY
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	062 #17091
AMOUNT OF SAMPLE	SIZE
DATE OF SAMPLE RECEIPT (Mandatory)	n
DATE OF INITIAL LOG ENTRY (Mandatory) 1.0 116 102	BY Manada
/ /	·0
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Req	
- PEPERFOLCE Map, Mat	IC COVE
CVIA IC BUNFFVA	
Bishop Ch	
PERSON(S) WHO COLLECTED SAMPLE(S) Velar	radhing
	0
SUPPLIER	
OTHER MT-89-XRDI	
	·····
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SAMPLE CUSTODY/CONTROL LOG EN	TRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-90	
DESCRIPTION OF SAMPLE (Mandatory) faillt on	once at
Scantineloca	ta 9.6m
Chicifixsi	
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p104#509
AMOUNT OF SAMPLE 41,94	SIZE 4×4×1cm
DATE OF SAMPLE RECEIPT (Mandatory) 6/26/02	
DATE OF INITIAL LOG ENTRY (Mandatory)	BY KKBradburg
	- 0
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Requ	uired)
Crucifix, Challet	Bluff Rd
	· · · · · · · · · · · · · · · · · · ·
a series a s A series a se	
PERSON(S) WHO COLLECTED SAMPLE(S)	1C Bradbury
· · · · · · · · · · · · · · · · · · ·	
SUPPLIER	
OTHER BT-XRDI	
BT-TSI (prepped and read	y tosend for nai plide ) 2/13/0
- Hunsection of	nai plide ) 2/13/0:
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CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	ITRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-91-0	12
DESCRIPTION OF SAMPLE (Mandatory) Fault	goingi at 9.6m
alona Sca	sine at
cmat	x site - small faul
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p64#509
	1.
AMOUNT OF SAMPLE 147,59	SIZE 14 × 4.5×20
DATE OF SAMPLE RECEIPT (Mandatory) 4/24/0	Ζ,
DATE OF INITIAL LOG ENTRY (Mandatory) )0/22/0	2 BY Killing
	·
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Rec	quired)
Imafix Sile, Cha	11C Bluff Rd.
Biship, QA	
	····
PERSON(S) WHO COLLECTED SAMPLE(S) Celly K	· Bradburg
	0
SUPPLIER	
OTHER Subsamples - BT-91 - XI2D	(conduly und for
<u>Bt-91-TS1</u>	(ready to xnd for
	Thin y chining 2/13/2
CNWRA FORM TOP-004	

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CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG E	NTRY FORM
SAMPLE IDENTIFICATION (Mandatory) 51-92-02	·
DESCRIPTION OF SAMPLE (Mandatory)	enish gray ked
10cm east	of main Enicitix
-auit 7	The
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p44#509
	I
AMOUNT OF SAMPLE 237.98	SIZE 9×7+2.30
DATE OF SAMPLE RECEIPT (Mandatory) 612610	1
DATE OF INITIAL LOG ENTRY (Mandatory) 1012210	2 BY KCBradhur
	- 6
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Re	quired)
Crucifix Site, BISK	ion, (A
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly	KBrad bury
SUPPLIER	
OTHER BT-97-XRDI Subsam	ر ما ر
PT-92-TS) (ready for D	in Sectioning 13/02)
Slide v	ist made to date

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CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EI	NTRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-93-02	
DESCRIPTION OF SAMPLE (Mandatory) Why te 1	1Sh tall bid
at 5.1	m almacuutix
Scanlin	Le mas
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	D64#509
	1
AMOUNT OF SAMPLE 32、スッ	SIZE 10×8×5cm
DATE OF SAMPLE RECEIPT (Mandatory) 0/26/02	
DATE OF INITIAL LOG ENTRY (Mandatory) 0122107	- BY K KBrock
	(
SAMPLE STORAGE LOCATION (Mandatory) ルリル	
COLLECTION SITE (Reference Maps or Field Notes As Re	quired)
	KBLAFF road
Bishon (A	
PERSON(S) WHO COLLECTED SAMPLE(S)	11C Bradbury
	,
SUPPLIER	
OTHER BT-93-XRDI	
Bt-93-151 (presped Fr	Thin Retirn - Slidenot
	a; of 2/13/03)
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CENTER FOR NUCLEAR WASTE REGULATO	DRY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	TRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-94-02	<u></u>
DESCRIPTION OF SAMPLE (Mandatory) Whit A Liti	nologic Sample
frin stratigraphi	· · · · · · · · · · · · · · · · · · ·
Bishoptutt	
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	065 #509
AMOUNT OF SAMPLE 359,102	SIZE 13×10×5cm
DATE OF SAMPLE RECEIPT (Mandatory) 6 26 0'	$\boldsymbol{\mathcal{V}}$
	BYKCBradby
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Requ	uired)
Stratigraphic (olumnsite, C	hall Buffs 12d,
Bisligs, (A	
PERSON(S) WHO COLLECTED SAMPLE(S) KellyK.	Bradbury
· · · · · · · · · · · · · · · · · · ·	
SUPPLIER	
OTHER BT-94-XRDI	
	andra andra andra andra andra andra. Andra andra and
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**CNWRA Form TOP-2** 

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CENTER FOR NUCLEAR WASTE REGULA	TORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG E	NTRY FORM
SAMPLE IDENTIFICATION (Mandatory) 61-95-07	_
DESCRIPTION OF SAMPLE (Mandatory) (11) B	inhologic sample
stratig	upplic column
$\sim$	· · · · · · · · · · · · · · · · · · ·
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p65#509
AMOUNT OF SAMPLE 311,502	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 6/26/02	≻
DATE OF INITIAL LOG ENTRY (Mandatory) 11/5/0.	2 BY Kickadeen
	<u> </u>
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Re	equired)
Strat. column, Chalk B	haffsRd,
Bishop, CA	
	· · · · · · · · · · · · · · · · · · ·
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly	K. Bradbury
SUPPLIER	
OTHER BT-95-XRDI SULD	mples
	•
CNWRA FORM TOP-004	

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CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	TRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-96-02	
DESCRIPTION OF SAMPLE (Mandatory) Unit B/C	- transitional
possible coding 2 limit, intense	ly fractived
bandary 2 darler and les	swelded? than A, E
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	
n de la companya de l	
AMOUNT OF SAMPLE 653, 104	SIZE 14×12×8cm
DATE OF SAMPLE RECEIPT (Mandatory) 6/26/02	
DATE OF INITIAL LOG ENTRY (Mandatory) 11/5/02	BY Kimasher
SAMPLE STORAGE LOCATION (Mandatory)	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
COLLECTION SITE (Reference Maps or Field Notes As Rec	quired)
strat. columnsite, chal	K bhiffsrd,
BISHUD, CA	
PERSON(S) WHO COLLECTED SAMPLE(S) Kellyk	Brachung
SUPPLIER	
OTHER BT-96-XIZDI	
	an a
CNWRA FORM TOP-004	

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CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	ITRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-97-02	
DESCRIPTION OF SAMPLE (Mandatory) UNIEC (	mology
transitional zonef less welded	tuff,
Stratigraphic	Column
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p65#509
AMOUNT OF SAMPLE 576,59	SIZE 12×10×10C1
DATE OF SAMPLE RECEIPT (Mandatory) 6 26 102	
DATE OF INITIAL LOG ENTRY (Mandatory) 11/5702	BYKKBradhe
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Rec	luired)
Strat column, Chalk bluffs	rd,
Bishop, CA	
	$\overline{}$
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly K	.Bradbury
	V
SUPPLIER	
OTHER BT-97-XIZIDI	
CNWRA FORM TOP-004	

ENTER FOR NUCLEAR WASTE REGULATORY ANALYSES TECHNICAL OPERATING PROCEDURE	Proc. <u>TOP-012</u> Revision <u>2</u> Change <u>0</u> Page <u>6</u> of <u>6</u>
CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	
SAMPLE IDENTIFICATION (Mandatory) BT-98-07	<b>-</b>
DESCRIPTION OF SAMPLE (Mandatory) Demsely	welded TUFF
Of Bishy	JTUff-Strat
columni	ite
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	ple5#509
	1
AMOUNT OF SAMPLE 403,900	SIZE 3×6×4cm
DATE OF SAMPLE RECEIPT (Mandatory) 6/24/	102
DATE OF INITIAL LOG ENTRY (Mandatory) 11/5702	BY Kickala
	(
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Re	quired)
Strat column site	Chalk BluffsRd
Bishup, (A	
- 1 -	
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly	K. Bradbing
	J
SUPPLIER	
OTHER BT-98-XRd1	
CNWRA FORM TOP-004	

Proc. TOP-012 ENTER FOR NUCLEAR WASTE **REGULATORY ANALYSES** Revision 2 Change 0 Page <u>6</u> of <u>6</u> **TECHNICAL OPERATING PROCEDURE** CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES SAMPLE CUSTODY/CONTROL LOG ENTRY FORM SAMPLE IDENTIFICATION (Mandatory) 81-99-02 DESCRIPTION OF SAMPLE (Mandatory) Simple between HW Hwfr3, 2.5 m N of CCHWI transect 85cm perpendicularly away tron-REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY 0142 # SIZE 18+12+8cm AMOUNT OF SAMPLE 647.49 9/17 DATE OF SAMPLE RECEIPT (Mandatory) DATE OF INITIAL LOG ENTRY (Mandatory) 11/5702 BY SAMPLE STORAGE LOCATION (Mandatory) USU COLLECTION SITE (Reference Maps or Field Notes As Required) Chalk (ove, Bishap (A PERSON(S) WHO COLLECTED SAMPLE(S) Kell-1K Bradbing SUPPLIER ~99-YRI) OTHER Kepoxied, ready for this section ing 2/13/197 **CNWRA FORM TOP-004** Attachment A **CNWRA Form TOP-2** 

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CENTER FOR NUCLEAR WASTE REGULA	TORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG E	
SAMPLE IDENTIFICATION (Mandatory) BT-100-07	2
DESCRIPTION OF SAMPLE (Mandatory) 2000	of 270cm state
	: CCHWI-IN Fel
Fine	
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p142 #509
	1 <b>1</b>
AMOUNT OF SAMPLE 5169	SIZE 5×7.5×7
DATE OF SAMPLE RECEIPT (Mandatory) 9/17/07	2
DATE OF INITIAL LOG ENTRY (Mandatory) 11/5/02	BY
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As R	equired)
Chalk Cove, Biship, CA	
	V Ball
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly	N. Dradby
OTHER BT-100-XRD1	
	-113/03 sample is
VI -100 1/1 -7-201	1 and ready tosen

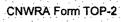


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CENTER FOR NUCLEAR WASTE REGUL	ATORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG	ENTRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT- 101-	02
DESCRIPTION OF SAMPLE (Mandatory) Sample fr	m near 580cm
	mid ptof 580cm
and 15an West	r of 580cm
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	rp142#509
AMOUNT OF SAMPLE 459.89	SIZE 3×10× cm
DATE OF SAMPLE RECEIPT (Mandatory) 9/17/	
DATE OF INITIAL LOG ENTRY (Mandatory) 11/5/C	12 BY Ullan 2
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As I	Required)
(XKUNC LOUD, DA	shep, cre
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly	YZ-01
PERSON(S) WHO COLLECTED SAMPLE(S)	K. Bradbing
SUPPLIER	
$\Delta = \{ A \in \{ A \in \{ A \} \} \in \{ A \in \{A \},\{A \in \{A \in$	
OTHER BT-101- XRD) BT-101-T51-7 epoxied	and real a later to the

Proc. TOP-012 ENTER FOR NUCLEAR WASTE **REGULATORY ANALYSES** Revision 2 Change 0 Page <u>6</u> of <u>6</u> **TECHNICAL OPERATING PROCEDURE** CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES SAMPLE CUSTODY/CONTROL LOG ENTRY FORM SAMPLE IDENTIFICATION (Mandatory) ht-1 **DESCRIPTION OF SAMPLE (Mandatory)** Sample - 0.5m from station 65 cm on 11/5707\_ Hannect (C7 - While Partor KKR REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY DIA #F 9.5×7×4.54 AMOUNT OF SAMPLE 24 7.50 SIZE 9/17/ 107 DATE OF SAMPLE RECEIPT (Mandatory) DATE OF INITIAL LOG ENTRY (Mandatory) BY SAMPLE STORAGE LOCATION (Mandatory) 1/ ( / COLLECTION SITE (Reference Maps or Field Notes As Required) halk (ar BSM PILIKBrac PERSON(S) WHO COLLECTED SAMPLE(S) SUPPLIER -101-sanda OTHER -ready to sen ration **CNWRA FORM TOP-004** Attachment A **CNWRA Form TOP-2** 

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CENTER FOR NUCLEAR WASTE REGUL	ATORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG	ENTRY FORM
SAMPLE IDENTIFICATION (Mandatory) BI-109-0	2
DESCRIPTION OF SAMPLE (Mandatory) Sample 0-	ffault carapse
ofchal	K care for H
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p143 #509
AMOUNT OF SAMPLE 1147,29	SIZE 17×10×9cm
DATE OF SAMPLE RECEIPT (Mandatory) 9/17/07	2
DATE OF INITIAL LOG ENTRY (Mandatory) 11 5	02 BY KRB
I ·	
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As F	Required)
Chalkcare, Bish	p, A
	•
	<u> </u>
PERSON(S) WHO COLLECTED SAMPLE(S) Kells	K. Bradburg
<u>^</u>	· · · · · · · · · · · · · · · · · · ·
SUPPLIER Subsamples	
OTHER BT-103-X212 1	J-103-XR02
BT- 103-151 - Eufed ri	eady & Thin Sector fine
11 tostrike	2/14/03
CNWRA FORM TOP-004 BT-103-152 - 1 to.	strike
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CENTER FOR NUCLEAR WASTE REGULA	ATORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG I	ENTRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-1040-	02
DESCRIPTION OF SAMPLE (Mandatory) CVUCI	ix fault core
gazge insp	arallel to fault
O Sirface	
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p147 # 509
AMOUNT OF SAMPLE 179.49	SIZE 13×10×2.5cm
DATE OF SAMPLE RECEIPT (Mandatory) 9/17/1	02
DATE OF INITIAL LOG ENTRY (Mandatory) 11/5/0	) > BY KRS
SAMPLE STORAGE LOCATION (Mandatory) USU	
COLLECTION SITE (Reference Maps or Field Notes As R	(equired)
Crucitix Site, (	Chalk BlufferRd
Bishop, CA	
PERSON(S) WHO COLLECTED SAMPLE(S) Kell	y K Bradbing
	0
SUPPLIER	
OTHER BT-140a-XRDI	
OTHER BT-140a-XRDI	e poxied, ready
n 1/1 1/2 1/2 1/2	



ENTER FOR NUCLEAR WASTE REGULATORY ANALYSES	Proc. TOP-012
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SAMPLE CUSTODY/CONTROL LOG SAMPLE IDENTIFICATION (Mandatory) 57-105-0	
DESCRIPTION OF SAMPLE (Mandatory) Fault (	
fault	
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	D147#509
AMOUNT OF SAMPLE 1050,99	SIZE22×14×6
DATE OF SAMPLE RECEIPT (Mandatory) 9/17/0	$\boldsymbol{\mathcal{V}}$
DATE OF INITIAL LOG ENTRY (Mandatory)	N BY KIB
/ *	
SAMPLE STORAGE LOCATION (Mandatory) 1/5U	
COLLECTION SITE (Reference Maps or Field Notes As R	0
CMACITX SITE /	Bishop, CA
PERSON(S) WHO COLLECTED SAMPLE(S)	1 Badburg
PERSON(S) WHO COLLECTED SAMPLE(S)	KBradburg
<u> </u>	KBradburg
SUPPLIER	KBradburg
SUPPLIER	KBradbung
SUPPLIER	KRadbung
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly SUPPLIER OTHER BT-105-XRD1 BT-105-XRD2 CNWRA FORM TOP-004	K. Pandbung
SUPPLIER OTHER BT-105-XRD1 BT-105-XRD2	K. Pandbung
SUPPLIER DTHER BT-105-XRD1 BT-105-XRD2	KRadbung

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CENTER FOR NUCLEAR WASTE REGULA	TORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG E	NTRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-1010-1	$\mathcal{D}$
DESCRIPTION OF SAMPLE (Mandatory) From C-	f2 transport
located @ 465-	170cm station
25cmabwo tape	- East wedg /xfit sur
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p149#509
	•
AMOUNT OF SAMPLE 459.79	SIZE 10×8.×5cm
DATE OF SAMPLE RECEIPT (Mandatory) 9/18/02	<u>}</u>
DATE OF INITIAL LOG ENTRY (Mandatory)	D BY Alback
SAMPLE STORAGE LOCATION (Mandatory) USU COLLECTION SITE (Reference Maps or Field Notes As Re CMCIGY SITE Big	equired) Shap, CA
PERSON(S) WHO COLLECTED SAMPLE(S) Kells SUPPLIER Subsamples OTHER MT-106-XRD1 E GT-106-TS1 - Epox	K Bradburg J-106-XRD2- cied, ready toxind
	in section 2/14/00
CNWRA FORM TOP-004	
an an an the state of the state	
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CENTER FOR NUCLEAR WASTE REGULA	TORY ANALYSES	
SAMPLE CUSTODY/CONTROL LOG E	NTRY FORM	
SAMPLE IDENTIFICATION (Mandatory) BT-107a-	02	
DESCRIPTION OF SAMPLE (Mandatory) fault a	Ne-Chrifix	
e ast most	pancing-wallside	
near CF3 perme	ability fast sites +	72
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY		
AMOUNT OF SAMPLE 82.29	SIZE 8× 4.5×3.5	
DATE OF SAMPLE RECEIPT (Mandatory) 9/18/0	2	
DATE OF INITIAL LOG ENTRY (Mandatory) 11/570	L BY MAD	
SAMPLE STORAGE LOCATION (Mandatory) (LS()		
COLLECTION SITE (Reference Maps or Field Notes As Re	equired)	•
(NUCIPX SITE, Bishq		
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly	V Rachard	
TERCONO WING COLLECTED SAMFLE(S) DETIN	K Bradburg	
SUPPLIER		
OTHER BT-XRD1-107a		
BT-101a - XRD2		
BT-107a-TS1 7	epoxied, cut-ready	
CNWRA FORM TOP-004 BT-1076-TSZ	for Thin Section 2/14/03	

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CENTER FOR NUCLEAR WASTE REGUL	ATORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG	ENTRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-1074	2-0 <del>2</del>
DESCRIPTION OF SAMPLE (Mandatory) fault	core Samples real
cf 3 perm	.test site
Central c	ore-near hole 2050
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	<u>r p150#509</u>
AMOUNT OF SAMPLE 209.7 g	SIZE 4V2.5in
DATE OF SAMPLE RECEIPT (Mandatory) 9/18/0 DATE OF INITIAL LOG ENTRY (Mandatory) リノらつつ	1
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As I	
$-14(1)\times (102)$ $(150)$	
PERSON(S) WHO COLLECTED SAMPLE(S)	KBradhury
	1 0
SUPPLIER	
DTHER BT-1076-XRD1	
DTHER BT-1076-XRD1 BT-1076-XRD2	2/11/102 Scaly to
DTHER BT-1076-XRD1 BT-1076-XRD2 BT-1076-TS1-	-2/14/03 ready to
DTHER BT-1076-XRD1 BT-1076-XRD2	- 2/14/03 seady to Szendfer TS
DTHER BT-1076-XRD1 BT-1076-XRD2 BT-1076-TS1- CNWRA FORM TOP-004 BT-1076-TS2	- 2/14/03 seady to Sendfer TS
DTHER BT-1076-XRD1 BT-1076-XRD2 BT-1076-TS1-	- 2/14/03 seady to Sendfer TS

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CENTER FOR NUCLEAR WASTE REGULATO	DRY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	TRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-107C-0	02
DESCRIPTION OF SAMPLE (Mandatory) fault co	ore samples
from cf 3 per	
	in - westmost; Fw.
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p 1507 507
AMOUNT OF SAMPLE 1139,10	SIZE (6 ×11×9cm
DATE OF SAMPLE RECEIPT (Mandatory) 9/18/02	
DATE OF INITIAL LOG ENTRY (Mandatory)	BY KR
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Requ	uired)
Crucitix, Bishop, CA	
PERSON(S) WHO COLLECTED SAMPLE(S) Kellyk	Bradbing
SUPPLIER	
OTHER BT-107C-XRD1	
CNWRA FORM TOP-004	

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CENTER FOR NUCLEAR WASTE REGULATO	RY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	TRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT - 41-02	
DESCRIPTION OF SAMPLE (Mandatory) Unit A Str	atiquiphic column
unit; w/~	fractive surface
S25W,70	NW
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	128#509
•	
AMOUNT OF SAMPLE 4.515	SIZE JIXIS XILCN
DATE OF SAMPLE RECEIPT (Mandatory) 9/14/02	
DATE OF INITIAL LOG ENTRY (Mandatory) 11/5 /02	BY KKB
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Req	uired)
Strat column, cha	IK bluff rd,
Bishuz, (A	
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly	(Bradbury
	0
SUPPLIER	
OTHER BT-AL-XRDI	
	ter and the second s

ENTER FOR NUCLEAR WASTE REGULATORY ANALYSES	Proc. <u>TOP-012</u> Revision <u>2</u> Change <u>0</u>
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CENTER FOR NUCLEAR WASTE REGULATO	DRY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	
SAMPLE IDENTIFICATION (Mandatory) BT - A2 - C	12
DESCRIPTION OF SAMPLE (Mandatory) ~ 44 m -	from tailed compan
map of straturap	hy - I to layering
near transition to	3- Les welded than
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	13-1 #1909
AMOUNT OF SAMPLE 4749	SIZE 10×12×5cm
DATE OF SAMPLE RECEIPT (Mandatory) 9/14/07	
DATE OF INITIAL LOG ENTRY (Mandatory) 117102	BYKKB
/ /	
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Req	uired)
Stratignaphic Site, (	halk Bluff rd.
Fish Starch Quard Biss	in LA
2,	
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly B	Edbar
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SUPPLIER	
OTHER BT-A2-XRDI	
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CENTER FOR NUCLEAR WASTE REGULATO	DRY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	TRY FORM
SAMPLE IDENTIFICATION (Mandatory) GT-B-07-	
DESCRIPTION OF SAMPLE (Mandatory) Stration	umn unit B
~53malonz	tape & company
<b>O</b>	
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p175#509
	•
AMOUNT OF SAMPLE 306, 19	SIZE 17+9+500
DATE OF SAMPLE RECEIPT (Mandatory) 9/15/02	
DATE OF INITIAL LOG ENTRY (Mandatory) 11/7/02	- BY KICB
~ )	
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION OTE (Defense a Mana - Field Nates As De	
COLLECTION SITE (Reference Maps or Field Notes As Req	2
Strat column site,	Bishop, CH
	and the second
PERSON(S) WHO COLLECTED SAMPLE(S) DICK H	leermance
FERGON(S) WHO COLLECTED SAMFLE(S) DICK T	i ce i privir ce
SUPPLIER	
OTHER BT - B - XRDI	
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CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG E	NTRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-BC-0.	₽
DESCRIPTION OF SAMPLE (Mandatory) transition	- 2000 between
Inits B:	tC ~63m
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p 136 #509
AMOUNT OF SAMPLE 13 23.48	SIZE 2 +12×14
DATE OF SAMPLE RECEIPT (Mandatory) 9/15/0 DATE OF INITIAL LOG ENTRY (Mandatory) 11/07/0	Ζ
DATE OF INITIAL LOG ENTRY (Mandatory) 11/07/1	DZ BY KICK
SAMPLE STORAGE LOCATION (Mandatory)	
a da anti-anti-anti-anti-anti-anti-anti-anti-	
COLLECTION SITE (Reference Maps or Field Notes As Re	quired)
Strat column, Bis	hop, (A
	<b>.</b>
PERSON(S) WHO COLLECTED SAMPLE(S)	K. Bradburg
	0
SUPPLIER	
OTHER BT-BC-XRDI	
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CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	ITRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-C-02	
DESCRIPTION OF SAMPLE (Mandatory) @75m	- welded tiff
Suface cap	ping table lands
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p134
AMOUNT OF SAMPLE 58554	SIZE 12 414×40
DATE OF SAMPLE RECEIPT (Mandatory) 9/15/02	
DATE OF INITIAL LOG ENTRY (Mandatory) 11/7/0	2 BY KICB
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SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Rec	quired)
Strat column P	shap. CA
PERSON(S) WHO COLLECTED SAMPLE(S)	tlesinana
OTHER BT-C-XRDI	
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CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	TRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-CIA-O	2
DESCRIPTION OF SAMPLE (Mandatory) ++++++++++++++++++++++++++++++++++++	(KB1/7/02
Hangin, wall	fault gave
from small for	fault gase
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p137 #509
	1
AMOUNT OF SAMPLE 19,49	SIZE 7×3cm
DATE OF SAMPLE RECEIPT (Mandatory) 9/15/07	SIZE 7×3cm
DATE OF INITIAL LOG ENTRY (Mandatory)	2 BYKKR
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SAMPLE STORAGE LOCATION (Mandatory) $USU$	
COLLECTION SITE (Reference Maps or Field Notes As Req	uired)
Strat (0/m	nsite
Bishop, (A	
<b>J</b> * <b>/</b>	
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly	K Bradby
SUPPLIER	
OTHER BT-CIQ-XRDI	
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CENTER FOR NUCLEAR WASTE REGULAT	
SAMPLE CUSTODY/CONTROL LOG EN	
SAMPLE IDENTIFICATION (Mandatory) 5-CI QC	
$\mathbf{v}_{1}$	wall NCK
w gaze =	w face
	127tmg
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	1517501
AMOUNT OF SAMPLE 247.85	SIZE 10×10×6cm
DATE OF SAMPLE RECEIPT (Mandatory) 9/15/07	
DATE OF INITIAL LOG ENTRY (Mandatory) 11/7/0	Z BY KIGB
SAMPLE STOPACE LOCATION (Mondeton) 1/5//	
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Peferance Mana or Field Notes An Pa	muirod)
COLLECTION SITE (Reference Maps or Field Notes As Rec Strat colm, B,	
Strat column, B.	shop, //
<u>and a second s</u>	
PERSON(S) WHO COLLECTED SAMPLE(S)	K Brenden
TEROCIN(S) WHO COLLECTED SAMIFLE(S)	) - I June
SUPPLIER	
OTHER BT-CLAG- XRDI	
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ENTER FOR NUCLEAR WASTE REGULATORY ANALYSES	Proc. <u>TOP-012</u> Revision <u>2</u> Change <u>0</u>	
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CENTER FOR NUCLEAR WASTE REGULATO	DRY ANALYSES	
SAMPLE CUSTODY/CONTROL LOG EN	TRY FORM	
SAMPLE IDENTIFICATION (Mandatory) BT-CLb-	07	
DESCRIPTION OF SAMPLE (Mandatory) fruit	gouge care	
(entra	e- Small fult	
Strat	colimn	
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	2137#509	
AMOUNT OF SAMPLE 72.64	SIZE	
DATE OF SAMPLE RECEIPT (Mandatory) 9/15/02		
DATE OF INITIAL LOG ENTRY (Mandatory) 11/1/02 BY 16/16		
SAMPLE STORAGE LOCATION (Mandatory)		
COLLECTION SITE (Reference Maps or Field Notes As Req	uired)	
Strat Column, Bishers, CA		
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly	K Brad M	
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SUPPLIER		
OTHER BT-CID-XRDI		
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CENTER FOR NUCLEAR WASTE REGULATO	RY ANALYSES
SAMPLE CUSTODY/CONTROL LOG ENT	TRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-CIC-	69-
DESCRIPTION OF SAMPLE (Mandatory) footwal	l faultsurface
from sin	all fau L+ neur
Strat :	s, te
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p137 H509
	<u> </u>
AMOUNT OF SAMPLE 30, 24	SIZELOXICM
DATE OF SAMPLE RECEIPT (Mandatory) 9/15/02	
DATE OF INITIAL LOG ENTRY (Mandatory)	BYKKB
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Requ	uired)
strat column, Bish	en CA
	<b></b>
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly K	Bradbon
	ð
SUPPLIER	
OTHER BT-CIC-XRD)	
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CENTER FOR NUCLEAR WASTE REGULAT	ORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	TRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-CIC	- 02
DESCRIPTION OF SAMPLE (Mandatory) for hua	er roll + garle
Surface -	- small faul 9
heir sha	t sile
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	0137#509
AMOUNT OF SAMPLE 182.24	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 9/15/02	
DATE OF INITIAL LOG ENTRY (Mandatory) 1117102	BY KKB
SAMPLE STORAGE LOCATION (Mandatory) しらい	
COLLECTION SITE (Reference Maps or Field Notes As Reg	uired)
strat column B	ishen , (1)
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PERSON(S) WHO COLLECTED SAMPLE(S)	
SUPPLIER	
OTHER BT- (Cac- XRI)	
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CENTER FOR NUCLEAR WASTE REGULA	TORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG E	NTRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-CId-	02
DESCRIPTION OF SAMPLE (Mandatory) Footwar	e host rock -
mit C -	from small
fault	
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	p137#509
AMOUNT OF SAMPLE 176,45	SIZE 7×5×60
DATE OF SAMPLE RECEIPT (Mandatory) 9/15/0	2
DATE OF INITIAL LOG ENTRY (Mandatory)	2 BY ICICB
SAMPLE STORAGE LOCATION (Mandatory) $USU$	
COLLECTION SITE (Reference Maps or Field Notes As Re	
Strat column	Site Bishop 1
	······
PERSON(S) WHO COLLECTED SAMPLE(S)	KBradb.m
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SUPPLIER	
OTHER BT-CId - XRDI	
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CENTER FOR NUCLEAR WASTE REGULATO	DRY ANALYSES
SAMPLE CUSTODY/CONTROL LOG EN	TRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT - C   e	-07
DESCRIPTION OF SAMPLE (Mandatory) hanging	wall hostrock
	PJC - Small fault
near stra	at colomn site
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY	2137年509
AMOUNT OF SAMPLE 315.19	SIZE 13× 9,5×4.50
DATE OF SAMPLE RECEIPT (Mandatory) 9/15/02	
DATE OF INITIAL LOG ENTRY (Mandatory) 11/7/02	- BY K1KB
SAMPLE STORAGE LOCATION (Mandatory)	
COLLECTION SITE (Reference Maps or Field Notes As Req	uired)
	•
Stratisraphic re Bishop, (A	Jown Si C
PERSON(S) WHO COLLECTED SAMPLE(S) /ce / 1/1	K Bradburn
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<mark>en en service de la constance d</mark> En la constance de la constance	
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Proc. TOP-012 ENTER FOR NUCLEAR WASTE **REGULATORY ANALYSES** Revision 2 Change 0 Page <u>6</u> of <u>6</u> **TECHNICAL OPERATING PROCEDURE** CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES SAMPLE CUSTODY/CONTROL LOG ENTRY FORM SAMPLE IDENTIFICATION (Mandatory) BT-CCHWI-65 [CCHWI-Ocm-> (CHW 580m) DESCRIPTION OF SAMPLE (Mandatory) LODSe grain size samples onter perimeter of CCHWI im esneablity travect test hole REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY AMOUNT OF SAMPLE SIZE 9/16/02 DATE OF SAMPLE RECEIPT (Mandatory) DATE OF INITIAL LOG ENTRY (Mandatory) BY US SAMPLE STORAGE LOCATION (Mandatory) COLLECTION SITE (Reference Maps or Field Notes As Required) Nac CCHWIman Chalk Cal, Challe Bly Kelly Bradbary PERSON(S) WHO COLLECTED SAMPLE(S) eman ce SUPPLIER OTHER **CNWRA FORM TOP-004** Attachment A **CNWRA Form TOP-2** 

**ENTER FOR NUCLEAR WASTE REGULATORY ANALYSES** Revision 2 Change 0 Page <u>6</u> of <u>6</u> **TECHNICAL OPERATING PROCEDURE** CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES SAMPLE CUSTODY/CONTROL LOG ENTRY FORM CC3-DCM SAMPLE IDENTIFICATION (Mandatory) through CC3-180cm gatnesed for DESCRIPTION OF SAMPLE (Mandatory) LOOSE samolea grain size analysis along CC3 [11:113. transect - 19 bags tot REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTRY 0148#509 AMOUNT OF SAMPLE SIZE 9/18/02 DATE OF SAMPLE RECEIPT (Mandatory) BY Chine DATE OF INITIAL LOG ENTRY (Mandatory) 71 13/03 SAMPLE STORAGE LOCATION (Mandatory) USU COLLECTION SITE (Reference Maps or Field Notes As Required) Challecare, challe bhiff road Bishq, (A PERSON(S) WHO COLLECTED SAMPLE(S) Kelly K. Bradbury Dick Heerman ran ce SUPPLIER OTHER **CNWRA FORM TOP-004** 

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CENTER FOR NUCLEAR WASTE REGUL	ATORY ANALYSES
SAMPLE CUSTODY/CONTROL LOG	ENTRY FORM
SAMPLE IDENTIFICATION (Mandatory) BT-Cfl	- 65% cfl-0m -> cf1 1025cm
DESCRIPTION OF SAMPLE (Mandatory) loose sam	ples from permability
test holes	of Cf2 transact
Cfl=lave	r bed
REFERENCE TOP OR SCIENTIFIC NOTEBOOK ENTR	<u>Y p146 #509</u>
AMOUNT OF SAMPLE 22 bags	SIZE
DATE OF SAMPLE RECEIPT (Mandatory) 9/17/02	
DATE OF INITIAL LOG ENTRY (Mandatory) 2/1カ/	103 BY KKAndler
SAMPLE STORAGE LOCATION (Mandatory)	1
COLLECTION SITE (Reference Maps or Field Notes As I	Required)
cmaifix, challe bl	uffrd, Ushgp, (A
PERSON(S) WHO COLLECTED SAMPLE(S) Kelly	K.Bradbanj CHeermance
	CHeermance
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OTHER	
	ti e anti-constituenti e anti-constituenti e anti- no sense s
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