

# SAMPLE COLLECTION LOG TRAVELLER

EVENT #

2503

DATE	REVIEWER	COMMENTS
3/1/10	S.M	no xy, not checked
3/16/10	S. MARTIN	completed

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8126

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA:	QBT3		AKH
TIME COLLECTED (HH:MM)		0915		SUB-MEDIA:	TUFF 1		NA
PRS ID:	15-007(c)		ok	SAMPLE TECH CODE:	HA		ok
LOCATION ID:	15-610792		↓	FIELD QC TYPE:	NA		↓
LOCATION TYPE:	GENERIC		↓	FIELD PREP:	NA		↓
TOP DEPTH:	0		0.0	SAMPLE USAGE:	INV		↓
BOTTOM DEPTH:	0		0.5	SCREEN/PORT DESC:			NA
FIELD MATRIX:	R		S	EXCAVATED: YES/NO/NA			
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		WATER FLOWING: YES/NO/NA
BOREHOLE: YES/NO/NA				BOREHOLE DECLINATION:	NA		BOREHOLE DIRECTION: NA

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+NMED-HEXP	250 ML AMBER GLASS	Ice	y	
1	↓	Metals+ClO4+CN	500 ML POLY	Ice	y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	y	

SAMPLE DESC:

Reddish brown sandy silt

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c-8

FIELD SCREENING/MEASUREMENT RESULTS:

HE negative

Alpha  $\leq 5$  dpm  
Beta/Gamma  $\leq 1796$  dpm

PID  $\frac{\text{Ambient}}{\text{Reading}} \frac{0.0}{0.0}$  ppm

COLLECTED BY (PRINT)

Th. McFarlane

REVIEWED BY (PRINT)

A. Goumas

RELINQUISHED BY (Printed Name) A. Goumas (Signature) <i>A. Goumas</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARIKZKY (Signature) <i>S. MARIKZKY</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8127

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA:		OBT3	
TIME COLLECTED(HH:MM)		0920		SUB-MEDIA:		TUFF 1	
PRS ID: 15-007(c)		ok		SAMPLE TECH CODE:		HA	
LOCATION ID: 15-610792		↓		FIELD QC TYPE:		NA	
LOCATION TYPE: GENERIC		↓		FIELD PREP:		NA	
TOP DEPTH: 0		1.0		SAMPLE USAGE:		INV	
BOTTOM DEPTH: 0		2.0		SCREEN/PORT DESC:		NA	
FIELD MATRIX: R		S		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA			
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1	↓	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Light brown sandy silt, some weathered  
pinkish gray tuff

SAMPLE COMMENTS:

Hit tuff at 1'9"

LOCATION DESC:

7c-8

FIELD SCREENING/MEASUREMENT RESULTS:

HE neg

PID  $\frac{\text{Ambient Reading}}{0.0} = 0.0$  ppm

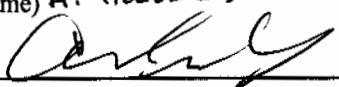

Alpha  $\leq 11$  dpm  
Beta/Gamma  $\leq 1575$  dpm

COLLECTED BY (PRINT)

T. McFarlane

REVIEWED BY (PRINT)

A. Gorman

RELINQUISHED BY (Printed Name) A. Gorman (Signature) 	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARCZAK (Signature) 	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8128

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA:	QBT3		Alh
TIME COLLECTED(HH:MM)		1042		SUB-MEDIA:	TUFF 1		NA
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:	HA		OK
LOCATION ID:	15-610793	↓		FIELD QC TYPE:	NA		↓
LOCATION TYPE:	GENERIC	↓		FIELD PREP:	NA		↓
TOP DEPTH:	0	0.0		SAMPLE USAGE:	INV		↓
BOTTOM DEPTH:	0	0.5		SCREEN/PORT DESC:			NA
FIELD MATRIX:	R	S		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		WATER FLOWING: YES/NO/NA
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION:	NA	BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1	↓	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Brown silty sand, cobbles

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c-7

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\pm$  16 dpm  
Beta/Gamma  $\pm$  1637 dpm

HE negative  
PID  $\frac{\text{Ambient Reading}}{0.0} = 0.0$  ppm

COLLECTED BY (PRINT)

T. McFarlane

REVIEWED BY (PRINT)

A. Gorman

RELINQUISHED BY (Printed Name) A. Gorman (Signature) <i>A. Gorman</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARTIN (Signature) <i>S. Martin</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8129

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA: QBT3		Allh	
TIME COLLECTED (HH:MM)		1050		SUB-MEDIA: TUFF 1		NA	
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE: HA		OK	
LOCATION ID:	15-610793	↓		FIELD QC TYPE: NA		↓	
LOCATION TYPE:	GENERIC	↓		FIELD PREP: NA		↓	
TOP DEPTH:	0	1.0		SAMPLE USAGE: INV		↓	
BOTTOM DEPTH:	0	2.0		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	B	S		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA			
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1	↓	Metals+CIO4+CN	500 ML POLY	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Reddish brown sandy silt, some rocks

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c-7

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  11 dpm  
Beta/Gamma  $\leq$  1707 dpm

He neg  
PID  $\frac{\text{Ambient Reading}}{0.0} = 0.0$  ppm

COLLECTED BY (PRINT)

Theresa Farlane

REVIEWED BY (PRINT) A. Gorman

RELINQUISHED BY (Printed Name) A. Gorman (Signature) <i>[Signature]</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARRAS (Signature) <i>[Signature]</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

# SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8130

WORK ORDER:

<u>AS PLANNED</u>		<u>AS COLLECTED</u>		<u>AS PLANNED</u>		<u>AS COLLECTED</u>	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA:		QBT3	
TIME COLLECTED (HH:MM)		1146		SUB-MEDIA:		TUFF 1	
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:		HA	
LOCATION ID:	15-610794	↓		FIELD QC TYPE:		NA	
LOCATION TYPE:	GENERIC	↓		FIELD PREP:		NA	
TOP DEPTH:	0	0.0		SAMPLE USAGE:		INV	
BOTTOM DEPTH:	0	0.5		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	B	S		EXCAVATED: YES/NO/NA		NO/NA	
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA		NO/NA	
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1	↓	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Brown moist silty clay

FD RE15-10-8130 8222 7m 1/29/10

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c-19

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  27 dpm  
Beta/Gamma  $\leq$  1762 dpm

HE neg  
PID  $\frac{\text{Ambient Reading}}{0.1} = \frac{0.0}{0.1}$  ppm

COLLECTED BY (PRINT)

TLMcFarlane

REVIEWED BY (PRINT) A. Gormas

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) - M. Gormas	1/29/10	(Printed Name) S. MAKIZAY	1/29/10
(Signature) <i>[Signature]</i>	1540	(Signature) <i>[Signature]</i>	1540
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name)		(Printed Name)	
(Signature)		(Signature)	

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8131

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA:		QBT3	
TIME COLLECTED (HH:MM)		1149		SUB-MEDIA:		TUFF 1	
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:		HA	
LOCATION ID:	15-610794	↓		FIELD QC TYPE:		NA	
LOCATION TYPE:	GENERIC	↓		FIELD PREP:		NA	
TOP DEPTH:	0	1.0		SAMPLE USAGE:		INV	
BOTTOM DEPTH:	0	2.0		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	R		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA			
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1	↓	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Brown weathered tuff and silt, roots and clay

SAMPLE COMMENTS:

NA

LOCATION DESC:

7C-19

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  10 dpm  
Beta/Gamma  $\leq$  1658 dpm

PID  $\frac{\text{Ambient}}{\text{Reading}} \frac{0.0}{0.0}$  ppm

COLLECTED BY (PRINT)

ThMcFarland

REVIEWED BY (PRINT)

A. Goumar

RELINQUISHED BY (Printed Name) A. Goumar (Signature)	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) B. MARCZAK (Signature)	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8132

WORK ORDER:

AS PLANNED	AS COLLECTED	AS PLANNED	AS COLLECTED
DATE COLLECTED(MM/DD/YYYY):		MEDIA:	QBT3
TIME COLLECTED (HH:MM)		SUB-MEDIA:	TUFF 1
PRS ID: 15-007(c)		SAMPLE TECH CODE:	HA
LOCATION ID: 15-610795		FIELD QC TYPE:	NA
LOCATION TYPE: GENERIC		FIELD PREP:	NA
TOP DEPTH: 0		SAMPLE USAGE:	INV
BOTTOM DEPTH: 0		SCREEN/PORT DESC:	
FIELD MATRIX: R		EXCAVATED: YES/NO/NA	
COMPOSITE TYPE:	COMPOSITE TIME INTERVAL:	WATER FLOWING: YES/NO/NA	
BOREHOLE: YES/NO/NA	BOREHOLE DECLINATION:	BOREHOLE DIRECTION:	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1		Metals+ClO4+CN	500 ML POLY	Ice		
1		NMED Explosives list	250 ML AMBER GLASS	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC:

SAMPLE COMMENTS:

LOCATION DESC:

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = \_\_\_\_\_ dpm  
Beta/Gamma = \_\_\_\_\_ dpm

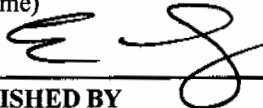
PID  $\frac{\text{Ambient}}{\text{Reading}}$  = ppm

COLLECTED BY (PRINT)

T.M. McFarland

REVIEWED BY (PRINT)

Larry A. Lopez

RELINQUISHED BY (Printed Name) E. Lucian (Signature) 	Date/Time 02/16/10 0830 AM	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time



**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8133

WORK ORDER:

AS PLANNED	AS COLLECTED	AS PLANNED	AS COLLECTED
DATE COLLECTED(MM/DD/YYYY):		MEDIA:	<u>QBT3</u>
TIME COLLECTED (HH:MM)		SUB-MEDIA:	<u>TUFF 1</u>
PRS ID:	<u>15-007(c)</u>	SAMPLE TECH CODE:	<u>HA</u>
LOCATION ID:	<u>15-610795</u>	FIELD QC TYPE:	<u>NA</u>
LOCATION TYPE:	<u>GENERIC</u>	FIELD PREP:	<u>NA</u>
TOP DEPTH:	<u>0</u>	SAMPLE USAGE:	<u>INV</u>
BOTTOM DEPTH:	<u>0</u>	SCREEN/PORT DESC:	
FIELD MATRIX:	<u>R</u>	EXCAVATED: YES/NO/NA	
COMPOSITE TYPE:		COMPOSITE TIME INTERVAL:	
		WATER FLOWING: YES/NO/NA	
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION:	
		BOREHOLE DIRECTION:	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1		Metals+ClO4+CN	500 ML POLY	Ice		
1		NMED Explosives list	250 ML AMBER GLASS	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC:

SAMPLE COMMENTS:

LOCATION DESC:

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = \_\_\_\_\_ dpm  
Beta/Gamma = \_\_\_\_\_ dpm

PID  $\frac{\text{Ambient}}{\text{Reading}}$  = ppm

COLLECTED BY (PRINT)

Th McFarland

REVIEWED BY (PRINT)

Lacey A Lopez

RELINQUISHED BY (Printed Name) <u>E. Lopez</u> (Signature) <u>[Signature]</u>	Date/Time <u>2/16/10</u> <u>08:26pm</u>	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8134

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA: QBT3		AMh	
TIME COLLECTED (HH:MM)		0925		SUB-MEDIA: TUFF 1		NA	
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE: HA		OK	
LOCATION ID:	15-610796	↓		FIELD QC TYPE: NA		↓	
LOCATION TYPE:	GENERIC	↓		FIELD PREP: NA		↓	
TOP DEPTH:	0	0.0		SAMPLE USAGE: INV		↓	
BOTTOM DEPTH:	0	0.5		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	S		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA		NO	
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Reddish brown sandy silt

SAMPLE COMMENTS:

NA

LOCATION DESC:

7C-13

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  27 dpm  
Beta/Gamma  $\leq$  1755 dpm

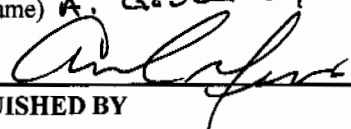

HE negative  
PID  $\frac{\text{Ambient}}{\text{Reading}} = \frac{0.0}{0.0}$  ppm

COLLECTED BY (PRINT)

TLMcFarlane

REVIEWED BY (PRINT)

A. Gorman

RELINQUISHED BY (Printed Name) A. Gorman (Signature) 	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARCZYK (Signature) 	Date/Time 1/23/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8135

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA: QBT3		Allh	
TIME COLLECTED (HH:MM)		0942		SUB-MEDIA: TUFF 1		NA	
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE: HA		OK	
LOCATION ID:	15-610796	↓		FIELD QC TYPE: NA		↓	
LOCATION TYPE:	GENERIC	↓		FIELD PREP: NA		↓	
TOP DEPTH:	0	1.0		SAMPLE USAGE: INV		↓	
BOTTOM DEPTH:	0	2.0		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	S		EXCAVATED: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> NA			
BOREHOLE: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Reddish brown sandy silt and weathered tuff

SAMPLE COMMENTS:

Tuff interface at 1.5 ft

LOCATION DESC:

7C-13

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  0 dpm  
 Beta/Gamma  $\leq$  1955 dpm

PID  $\frac{\text{Ambient}}{\text{Reading}} \frac{0.0}{0.0}$  ppm

COLLECTED BY (PRINT)

TLMcFarland

REVIEWED BY (PRINT)

A. Goumas

RELINQUISHED BY (Printed Name) A. Goumas (Signature) <i>A. Goumas</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARTIN (Signature) <i>M</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8136

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA: QBT3		KTH	
TIME COLLECTED(HH:MM)		0951		SUB-MEDIA: TUFF 1		NA	
PRS ID:	15-007(c)	ok		SAMPLE TECH CODE: HA		ok	
LOCATION ID:	15-610797	↓		FIELD QC TYPE: NA		↓	
LOCATION TYPE:	GENERIC	↓		FIELD PREP: NA		↓	
TOP DEPTH:	0	0.0		SAMPLE USAGE: INV		↓	
BOTTOM DEPTH:	0	0.5		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	S		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA			
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	y	

SAMPLE DESC:

Reddish brown sandy silt, rocks and roots

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c - 5

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  27 dpm  
Beta/Gamma  $\leq$  1665 dpm

HE negative  
13m 1/29/10  
PID  $\frac{\text{Ambient Reading}}{1.5} = \frac{1.0}{1.5}$  ppm

COLLECTED BY (PRINT)

T. McFarland

REVIEWED BY (PRINT)

A. Gouma

RELINQUISHED BY (Printed Name) A. Gouma (Signature) <i>A. Gouma</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARCAY (Signature) <i>S. Marcay</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8137

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA:	QBT3		Allh
TIME COLLECTED (HH:MM)		1001		SUB-MEDIA:	TUFF 1		NA
PRS ID:	15-007(c)	ok		SAMPLE TECH CODE:	HA		ok
LOCATION ID:	15-610797	↓		FIELD QC TYPE:	NA		↓
LOCATION TYPE:	GENERIC	↓		FIELD PREP:	NA		↓
TOP DEPTH:	0	1.0		SAMPLE USAGE:	INV		↓
BOTTOM DEPTH:	0	1.5		SCREEN/PORT DESC:			NA
FIELD MATRIX:	R	S		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		
BOREHOLE: YES/NO/NA				BOREHOLE DECLINATION:	NA		
				BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Reddish brown clay, and organics

SAMPLE COMMENTS:

FR RE 15-10-8230

LOCATION DESC: 7c. 5

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\pm$  22 dpm  
 Beta/Gamma  $\pm$  1610 dpm

PID  $\frac{\text{Ambient}}{\text{Reading}} = \frac{0.0}{0.0}$  ppm

COLLECTED BY (PRINT)

TLMcFarlane

REVIEWED BY (PRINT)

D. Gorman

RELINQUISHED BY (Printed Name) A. Gorman (Signature) <i>A. Gorman</i>	Date/Time 1/29/10 1546	RECEIVED BY (Printed Name) S. MARCZAK (Signature) <i>SM</i>	Date/Time 1/29/10 1740
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8138

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA:	QBT3		Allh
TIME COLLECTED(HH:MM)		1005		SUB-MEDIA:	TUFF 1		NA
PRS ID:	15-007(c)	ok		SAMPLE TECH CODE:	HA		ok
LOCATION ID:	15-610798	↓		FIELD QC TYPE:	NA		↓
LOCATION TYPE:	GENERIC			FIELD PREP:	NA		↓
TOP DEPTH:	0	0.0		SAMPLE USAGE:	INV		↓
BOTTOM DEPTH:	0	0.5		SCREEN/PORT DESC:			NA
FIELD MATRIX:	R	S		EXCAVATED: YES / <input checked="" type="radio"/> / NA			
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		WATER FLOWING: YES / <input checked="" type="radio"/> / NA
BOREHOLE: YES / <input checked="" type="radio"/> / NA		BOREHOLE DECLINATION:	NA	BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Reddish brown sand and cobbles

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c-2

FIELD SCREENING/MEASUREMENT RESULTS:

HE negative

Alpha  $\leq$  16 dpmBeta/Gamma  $\leq$  1582 dpmPID  $\frac{\text{Ambient}}{\text{Reading}} = \frac{0.0}{0.0}$  ppm

COLLECTED BY (PRINT)

ThmCFarling

REVIEWED BY (PRINT)

A. Goumas

RELINQUISHED BY (Printed Name) A. Goumas (Signature) <i>A. Goumas</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARIK (Signature) <i>S. Marik</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8139

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA:		QBT3	
TIME COLLECTED (HH:MM)		1036		SUB-MEDIA:		TUFF 1	
PRS ID: 15-007(c)		ok		SAMPLE TECH CODE: HA		ok	
LOCATION ID: 15-610798		↓		FIELD QC TYPE: NA		↓	
LOCATION TYPE: GENERIC		↓		FIELD PREP: NA		↓	
TOP DEPTH: 0		1.0		SAMPLE USAGE: INV		↓	
BOTTOM DEPTH: 0		2.0		SCREEN/PORT DESC:		NA	
FIELD MATRIX: R		R		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA			
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	y	

SAMPLE DESC:

Gray, tuff and brownish weathered tuff

FD RE15-8220

SAMPLE COMMENTS:

Tuff interface at 0.5 ft

73m  
1129/10

FD RE15-10-8220

LOCATION DESC:

Fc. 2

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  22 dpm  
Beta/Gamma  $\leq$  1444 dpm

PID  $\frac{\text{Ambient}}{\text{Reading}} \frac{0.0}{0.0}$  ppm

COLLECTED BY (PRINT)

TL McFarlane

REVIEWED BY (PRINT)

A. Goumas

RELINQUISHED BY (Printed Name) A. Goumas (Signature) <i>A. Goumas</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARRAZZAY (Signature) <i>SM</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8140

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA:	QBT3		Alh
TIME COLLECTED (HH:MM)		1043		SUB-MEDIA:	TUFF.1		NA
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:	HA		OK
LOCATION ID:	15-610799			FIELD QC TYPE:	NA		
LOCATION TYPE:	GENERIC	↓		FIELD PREP:	NA		↓
TOP DEPTH:	0	0.0		SAMPLE USAGE:	INV		↓
BOTTOM DEPTH:	0	0.5		SCREEN/PORT DESC:			NA
FIELD MATRIX:	R	S		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		WATER FLOWING: YES/NO/NA
BOREHOLE: YES/NO/NA	NO/NA			BOREHOLE DECLINATION:	NA		BOREHOLE DIRECTION: NA

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Brown sand, cobbles

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c-6

FIELD SCREENING/MEASUREMENT RESULTS:

HE neg

Alpha  $\leq$  11 dpm  
Beta/Gamma  $\leq$  1437 dpm

PID  $\frac{\text{Ambient}}{\text{Reading}} \frac{0.0}{0.0}$  ppm

COLLECTED BY (PRINT)

Th McFarlane

REVIEWED BY (PRINT)

A. Goumas

RELINQUISHED BY (Printed Name) A. Goumas (Signature) <i>A. Goumas</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARCZAY (Signature) <i>M</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time



## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8141

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA: QBT3		Allh	
TIME COLLECTED (HH:MM)		1047		SUB-MEDIA: TUFF 1		NA	
PRS ID: 15-007(c)		ok		SAMPLE TECH CODE: HA		ok	
LOCATION ID: 15-610799		↓		FIELD QC TYPE: NA		↓	
LOCATION TYPE: GENERIC		↓		FIELD PREP: NA		↓	
TOP DEPTH: 0		1.0		SAMPLE USAGE: INV		↓	
BOTTOM DEPTH: 0		2.0		SCREEN/PORT DESC:		NA	
FIELD MATRIX: R		S		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA			
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Brown sandy silt

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c-6

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 27 dpm  
Beta/Gamma = 1596 dpm

PID  $\frac{\text{Ambient Reading}}{0.0} = 0.0$  ppm

COLLECTED BY (PRINT)

TLMcFarlane

REVIEWED BY (PRINT)

A. Goumas

RELINQUISHED BY (Printed Name) A. Goumas (Signature) <i>A. Goumas</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) G. MARCAY (Signature) <i>G. MARCAY</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8142

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA:	QBT3		Alh
TIME COLLECTED (HH:MM)		1056		SUB-MEDIA:	TUFF 1		N4
PRS ID:	15-007(c)	ok		SAMPLE TECH CODE:	HA		ok
LOCATION ID:	15-610800	↓		FIELD QC TYPE:	NA		↓
LOCATION TYPE:	GENERIC			FIELD PREP:	NA		↓
TOP DEPTH:	0	0.0		SAMPLE USAGE:	INV		↓
BOTTOM DEPTH:	0	0.5		SCREEN/PORT DESC:			NA
FIELD MATRIX:	R	S		EXCAVATED: YES (NO) / NA			
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		WATER FLOWING: YES (NO) / NA
BOREHOLE: YES (NO) / NA		BOREHOLE DECLINATION:	NA	BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	y	
1		NMED Explosives list	250 ML AMBER GLASS	Ice	y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	y	

SAMPLE DESC:

Brown moist silty clay, roots

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c-17

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\pm$  11 dpm  
Beta/Gamma  $\pm$  1368 dpm

HE negative  
PID  $\frac{\text{Ambient}}{\text{Reading}} = \frac{0.0}{0.0}$  ppm

COLLECTED BY (PRINT)

ThMcFarlane

REVIEWED BY (PRINT)

A. Goumas

RELINQUISHED BY (Printed Name) A. Goumas (Signature) <i>A. Goumas</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARZAR (Signature) <i>SM</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8143

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA: QBT3		Allh	
TIME COLLECTED (HH:MM)		1100		SUB-MEDIA: TUFF 1		NA	
PRS ID:	15-007(c)	ok		SAMPLE TECH CODE: HA		ok	
LOCATION ID:	15-610800	↓		FIELD QC TYPE: NA		↓	
LOCATION TYPE:	GENERIC	↓		FIELD PREP: NA		↓	
TOP DEPTH:	0	1.0		SAMPLE USAGE: INV		↓	
BOTTOM DEPTH:	0	2.0		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	B	S		EXCAVATED: YES/NO NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NR		WATER FLOWING: YES/NO NA			
BOREHOLE: YES/NO NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Brown sandy silt

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c-17

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  11 dpm  
Beta/Gamma  $\leq$  1520 dpm

PID  $\frac{\text{Ambient Reading}}{0.9} = 0.0$  ppm

COLLECTED BY (PRINT)

T. McFarland

REVIEWED BY (PRINT)

A. Goumas

RELINQUISHED BY (Printed Name) A. Goumas (Signature) <i>A. Goumas</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARZAY (Signature) <i>S. Marzay</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8144

WORK ORDER:

AS PLANNED		AS COLLECTED	AS PLANNED		AS COLLECTED
DATE COLLECTED(MM/DD/YYYY):		01/29/2010	MEDIA:		QBT3
TIME COLLECTED (HH:MM)		1108	SUB-MEDIA:		TUFF 1
PRS ID:	15-007(c)	OK	SAMPLE TECH CODE:		HA
LOCATION ID:	15-610801	↓	FIELD QC TYPE:		NA
LOCATION TYPE:	GENERIC	↓	FIELD PREP:		NA
TOP DEPTH:	0	0.0	SAMPLE USAGE:		INV
BOTTOM DEPTH:	0	0.5	SCREEN/PORT DESC:		NA
FIELD MATRIX:	R	S	EXCAVATED: YES/NO/NA		
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA	WATER FLOWING: YES/NO/NA		
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA	BOREHOLE DIRECTION: NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Brown silty clay, roots and needles

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c-22

FIELD SCREENING/MEASUREMENT RESULTS:

HE negative

Alpha  $\leq$  5 dpm  
Beta/Gamma  $\leq$  1423 dpm

PID  $\frac{\text{Ambient}}{\text{Reading}} = \frac{0.1}{0.2}$  ppm

COLLECTED BY (PRINT)

TLMcFarlane

REVIEWED BY (PRINT)

A. Goumas

RELINQUISHED BY (Printed Name) A. Goumas (Signature) <i>A. Goumas</i>	Date/Time 1/23/10 1546	RECEIVED BY (Printed Name) S. MAROTTA (Signature) <i>SM</i>	Date/Time 1/23/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8145

WORK ORDER:

AS PLANNED		AS COLLECTED	AS PLANNED		AS COLLECTED
DATE COLLECTED(MM/DD/YYYY):		01/29/2010	MEDIA:		QBT3
TIME COLLECTED (HH:MM)		1120	SUB-MEDIA:		TUFF 1
PRS ID:	15-007(c)	OK	SAMPLE TECH CODE:		HA
LOCATION ID:	15-610801	↓	FIELD QC TYPE:		NA
LOCATION TYPE:	GENERIC	↓	FIELD PREP:		NA
TOP DEPTH:	0	1.0	SAMPLE USAGE:		INV
BOTTOM DEPTH:	0	2.0	SCREEN/PORT DESC:		NA
FIELD MATRIX:	R	R	EXCAVATED: YES/NO/NA		
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA	WATER FLOWING: YES/NO/NA		
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA	BOREHOLE DIRECTION: NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Light brown indurated tuff

SAMPLE COMMENTS:

NA

LOCATION DESC:

7C-22

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\pm$  16 dpm  
Beta/Gamma  $\pm$  1624 dpm

PID  $\frac{\text{Ambient}}{\text{Reading}} \frac{0.0}{1.3}$  ppm

COLLECTED BY (PRINT)

ThMcFarland

REVIEWED BY (PRINT)

A. Goumas

RELINQUISHED BY (Printed Name) A. Goumas (Signature) <i>A. Goumas</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARCZAY (Signature) <i>SM</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

# SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8146

WORK ORDER:

	<u>AS PLANNED</u>	<u>AS COLLECTED</u>		<u>AS PLANNED</u>	<u>AS COLLECTED</u>
DATE COLLECTED(MM/DD/YYYY):		01/29/2010	MEDIA:	QBT3	A11h
TIME COLLECTED (HH:MM)		1116	SUB-MEDIA:	TUFF 1	NA
PRS ID:	15-007(c)	OK	SAMPLE TECH CODE:	HA	OK
LOCATION ID:	15-610802	↓	FIELD QC TYPE:	NA	↓
LOCATION TYPE:	GENERIC	↓	FIELD PREP:	NA	↓
TOP DEPTH:	0	1.0	SAMPLE USAGE:	INV	↓
BOTTOM DEPTH:	0	2.0	SCREEN/PORT DESC:		NA
FIELD MATRIX:	R	S	EXCAVATED: YES/NO/NA		
COMPOSITE TYPE:	NA		COMPOSITE TIME INTERVAL:	NA	WATER FLOWING: YES/NO/NA
BOREHOLE: YES/NO/NA			BOREHOLE DECLINATION:	NA	BOREHOLE DIRECTION:
				NA	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Brown sandy silt

SAMPLE COMMENTS:

NA

LOCATION DESC:

7C-18

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  5 dpm  
Beta/Gamma  $\leq$  1707 dpm

PID  $\frac{\text{Ambient}}{\text{Reading}} = \frac{0.0}{0.0}$  ppm

COLLECTED BY (PRINT)

ThMcFarlane

REVIEWED BY (PRINT) A. Goumas

RELINQUISHED BY (Printed Name) A. Goumas (Signature) <i>A. Goumas</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARLEY (Signature) <i>S. Marley</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8147

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA: QBT3		A11h	
TIME COLLECTED (HH:MM)		1111		SUB-MEDIA: TUFF 1		NA	
PRS ID:	15-007(c)	ok		SAMPLE TECH CODE: HA		ok	
LOCATION ID:	15-610802	↓		FIELD QC TYPE: NA		↓	
LOCATION TYPE:	GENERIC	↓		FIELD PREP: NA		↓	
TOP DEPTH:	0	0.0		SAMPLE USAGE: INV		↓	
BOTTOM DEPTH:	0	0.5		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	S		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA			
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	y	

SAMPLE DESC:

Brown sandy silt, some clay

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c-18

FIELD SCREENING/MEASUREMENT RESULTS:

HF negative

Alpha  $\leq$  11 dpmBeta/Gamma  $\leq$  1534 dpmPID  $\frac{\text{Ambient}}{\text{Reading}} = \frac{0.1}{0.2} \text{ ppm}$ 

COLLECTED BY (PRINT)

Th McFarland

REVIEWED BY (PRINT) A. Goumas

RELINQUISHED BY (Printed Name) A. Goumas (Signature) <i>A. Goumas</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARLEY (Signature) <i>SM</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8148

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010	MEDIA:	OBT3		Alh	
TIME COLLECTED (HH:MM)		1124	SUB-MEDIA:	TUFF 1		NA	
PRS ID:	15-007(c)	OK	SAMPLE TECH CODE:	HA		OK	
LOCATION ID:	15-610803	↓	FIELD QC TYPE:	NA		↓	
LOCATION TYPE:	GENERIC		FIELD PREP:	NA		↓	
TOP DEPTH:	0	0.0	SAMPLE USAGE:	INV		↓	
BOTTOM DEPTH:	0	0.5	SCREEN/PORT DESC:			NA	
FIELD MATRIX:	R	S	EXCAVATED: YES/NO/NA				
COMPOSITE TYPE:	NA	COMPOSITE TIME INTERVAL:	NA	WATER FLOWING: YES/NO/NA			
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION:	NA	BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Brown sand, rocks, frozen

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c-25

FIELD SCREENING/MEASUREMENT RESULTS:

HE neg

Alpha  $\leq$  11 dpm  
 Beta/Gamma  $\leq$  1575 dpm

PID  $\frac{\text{Ambient Reading}}{0.3}$  ppm

COLLECTED BY (PRINT)

TLMcFarland

REVIEWED BY (PRINT)

A. Gorman

RELINQUISHED BY (Printed Name) A. Gorman (Signature) <i>A. Gorman</i>	Date/Time 1/29/10 1546	RECEIVED BY (Printed Name) S. MARITAL (Signature) <i>SM</i>	Date/Time 1/29/10 1546
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time



## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8149

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA: QBT3		A11h	
TIME COLLECTED(HH:MM)		1129		SUB-MEDIA: TUFF 1		NA	
PRS ID: 15-007(c)		ok		SAMPLE TECH CODE: HA		ok	
LOCATION ID: 15-610803		↓		FIELD QC TYPE: NA		↓	
LOCATION TYPE: GENERIC		↓		FIELD PREP: NA		↓	
TOP DEPTH: 0		1.0		SAMPLE USAGE: INV		↓	
BOTTOM DEPTH: 0		2.1		SCREEN/PORT DESC:		NA	
FIELD MATRIX: R		S		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA			
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Brown sandy silt

FD: RE 15-10-8221

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c-25

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  11 dpm  
Beta/Gamma  $\leq$  1744 dpm

PID  $\frac{\text{Ambient}}{\text{Reading}} = \frac{0.0}{0.2} \text{ ppm}$

COLLECTED BY (PRINT)

Th McFarlane

REVIEWED BY (PRINT)

A. Gouma

RELINQUISHED BY (Printed Name) A. Gouma (Signature) <i>A. Gouma</i>	Date/Time 11/29/10 1540	RECEIVED BY (Printed Name) S. NARAYAN (Signature) <i>SN</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8150

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED(MM/DD/YYYY):		01/29/2010	MEDIA:	QBT3	AIH
TIME COLLECTED(HH:MM)		1138	SUB-MEDIA:	TUFF 1	NA
PRS ID:	15-007(c)	OK	SAMPLE TECH CODE:	HA	OK
LOCATION ID:	15-610804	↓	FIELD QC TYPE:	NA	↓
LOCATION TYPE:	GENERIC	↓	FIELD PREP:	NA	↓
TOP DEPTH:	0	1.0	SAMPLE USAGE:	INV	↓
BOTTOM DEPTH:	0	2.0	SCREEN/PORT DESC:		NA
FIELD MATRIX:	R	S	EXCAVATED: YES/NO/NA		
COMPOSITE TYPE:	NA		COMPOSITE TIME INTERVAL:	NA	
			WATER FLOWING: YES/NO/NA		
BOREHOLE: YES/NO/NA			BOREHOLE DECLINATION:	NA	
			BOREHOLE DIRECTION:	NA	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	y	

SAMPLE DESC:

Light brown sandy silt

SAMPLE COMMENTS:

NA

LOCATION DESC:

Fc-26

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  11 dpm  
Beta/Gamma  $\leq$  1672 dpm

PID  $\frac{\text{Ambient}}{\text{Reading}} \frac{0.0}{0.6} \text{ ppm}$ 

COLLECTED BY (PRINT)

TLMcFarland

REVIEWED BY (PRINT) A. Goumas

RELINQUISHED BY (Printed Name) A. Goumas (Signature) <i>A. Goumas</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARCZAK (Signature) <i>S. Marczak</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8151

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA:	QBT3		Allh
TIME COLLECTED(HH:MM)		1132		SUB-MEDIA:	TUFF 1		NA
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:	HA		OK
LOCATION ID:	15-610804	↓		FIELD QC TYPE:	NA		↓
LOCATION TYPE:	GENERIC	↓		FIELD PREP:	NA		↓
TOP DEPTH:	0	0.0		SAMPLE USAGE:	INV		↓
BOTTOM DEPTH:	0	0.5		SCREEN/PORT DESC:			NA
FIELD MATRIX:	R	S		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		
BOREHOLE: YES/NO/NA				BOREHOLE DECLINATION:	NA		
				BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Brown sandy silt

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c-2c

FIELD SCREENING/MEASUREMENT RESULTS:

HE neg

Alpha  $\pm$  16 dpmBeta/Gamma  $\pm$  1796 dpmPID  $\frac{\text{Ambient Reading}}{0.0} \frac{0.0}{0.0}$  ppm

COLLECTED BY (PRINT)

TLMcFarland

REVIEWED BY (PRINT)

A. Goumas

RELINQUISHED BY (Printed Name) A. Goumas (Signature) <i>A. Goumas</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARCZAK (Signature) <i>S. Marczak</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8152

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA:		QBT3	
TIME COLLECTED (HH:MM)		1140		SUB-MEDIA:		TUFF 1	
PRS ID:	15-007(c)	ok		SAMPLE TECH CODE:		HA	
LOCATION ID:	15-610805	↓		FIELD QC TYPE:		NA	
LOCATION TYPE:	GENERIC	↓		FIELD PREP:		NA	
TOP DEPTH:	0	1.0		SAMPLE USAGE:		INV	
BOTTOM DEPTH:	0	2.0		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	S		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA			
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Brown moist sandy silt

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c-23

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\pm$  5 dpm  
Beta/Gamma  $\pm$  1527 dpm

PID  $\frac{\text{Ambient}}{\text{Reading}} = \frac{0.4}{1.1}$  ppm

COLLECTED BY (PRINT)

TL McFarlane

REVIEWED BY (PRINT)

A. Gorman

RELINQUISHED BY (Printed Name) A. Gorman (Signature) <i>A. Gorman</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) J. MARCHAY (Signature) <i>J. Marchay</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8153

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA: QBT3		Allh	
TIME COLLECTED (HH:MM)		1136		SUB-MEDIA: TUFF 1		NA	
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE: HA		OK	
LOCATION ID:	15-610805	↓		FIELD QC TYPE: NA		↓	
LOCATION TYPE:	GENERIC	↓		FIELD PREP: NA		↓	
TOP DEPTH:	0	0.0		SAMPLE USAGE: INV		↓	
BOTTOM DEPTH:	0	0.5		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	S		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA		NO/NA	
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Brown silty clay

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c-23

FIELD SCREENING/MEASUREMENT RESULTS:

HE negative

Alpha  $\leq$  0 dpmBeta/Gamma  $\leq$  1755 dpmPID  $\frac{\text{Ambient}}{\text{Reading}} \frac{0.0}{0.0}$  ppm

COLLECTED BY (PRINT)

JL McFarlane

REVIEWED BY (PRINT)

A. Goumas

RELINQUISHED BY (Printed Name) A. Goumas (Signature) <i>A. Goumas</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARCAY (Signature) <i>SM</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8154

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA:	QBT3		Allh
TIME COLLECTED (HH:MM)		1154		SUB-MEDIA:	TUFF 1		NA
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:	HA		OK
LOCATION ID:	15-610806	↓		FIELD QC TYPE:	NA		↓
LOCATION TYPE:	GENERIC	↓		FIELD PREP:	NA		↓
TOP DEPTH:	0	0.0		SAMPLE USAGE:	INV		↓
BOTTOM DEPTH:	0	0.5		SCREEN/PORT DESC:			NA
FIELD MATRIX:	R	S		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		WATER FLOWING: YES/NO/NA
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION:	NA	BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice		
1		NMED Explosives list	250 ML AMBER GLASS	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC:

Brown moist silty clay, roots

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c-20

FIELD SCREENING/MEASUREMENT RESULTS:

HE negative

Alpha  $\leq$  5 dpm  
Beta/Gamma  $\leq$  1610 dpm

PID  $\frac{\text{Ambient Reading}}{0.2} = \frac{0.0}{0.2}$  ppm

COLLECTED BY (PRINT)

T. McFarlane

REVIEWED BY (PRINT) A. Goumas

RELINQUISHED BY (Printed Name) A. Goumas (Signature) <i>A. Goumas</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARRAZZO (Signature) <i>S. MARRAZZO</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

# SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8155

WORK ORDER:

<u>AS PLANNED</u>		<u>AS COLLECTED</u>		<u>AS PLANNED</u>		<u>AS COLLECTED</u>	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA:		QBT3	
TIME COLLECTED (HH:MM)		1208		SUB-MEDIA:		TUFF 1	
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:		HA	
LOCATION ID:	15-610806	↓		FIELD QC TYPE:		NA	
LOCATION TYPE:	GENERIC	↓		FIELD PREP:		NA	
TOP DEPTH:	0	1.0		SAMPLE USAGE:		INV	
BOTTOM DEPTH:	0	2.0		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	S		EXCAVATED: YES <input checked="" type="checkbox"/> / NA			
COMPOSITE TYPE: <u>NA</u>		COMPOSITE TIME INTERVAL: <u>NA</u>		WATER FLOWING: YES <input checked="" type="checkbox"/> / NA			
BOREHOLE: YES / <input checked="" type="checkbox"/> NA		BOREHOLE DECLINATION: <u>NA</u>		BOREHOLE DIRECTION: <u>NA</u>			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

light brown silt and weathered tuff

FR: ~~RE15-10-8231~~

SAMPLE COMMENTS:

NA

13m  
1/29/10

LOCATION DESC:

7c-20

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\pm$  27 dpm  
Beta/Gamma  $\pm$  1589 dpm

PID  $\frac{\text{Ambient}}{\text{Reading}} = \frac{0.0}{0.5}$  ppm

COLLECTED BY (PRINT)

TLMcFarland

REVIEWED BY (PRINT)

Larry A. Lopez

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) A. Gorman	1/29/10	(Printed Name) S. MARCAY	1/29/10
(Signature) <i>A. Gorman</i>	1340	(Signature) <i>[Signature]</i>	1540
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name)		(Printed Name)	
(Signature)		(Signature)	

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8156

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA: QBT		Allh	
TIME COLLECTED(HH:MM)		1316		SUB-MEDIA: TUFF 1		NA	
PRS ID: 15-007(c)		ok		SAMPLE TECH CODE: HA		ok	
LOCATION ID: 15-610807		↓		FIELD QC TYPE: NA		↓	
LOCATION TYPE: GENERIC		↓		FIELD PREP: NA		↓	
TOP DEPTH: 0		0.0		SAMPLE USAGE: INV		↓	
BOTTOM DEPTH: 0		0.5		SCREEN/PORT DESC:		NA	
FIELD MATRIX: R		S		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA			
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Brown moist silty sand

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c - 9

FIELD SCREENING/MEASUREMENT RESULTS:

HE negative

Alpha  $\pm$  22 dpmBeta/Gamma  $\pm$  1555 dpmPID  $\frac{\text{Ambient Reading}}{0.0} = 0.0$  ppm

COLLECTED BY (PRINT)

Th McFarland

REVIEWED BY (PRINT)

Lacey A. Lopez

RELINQUISHED BY (Printed Name) A. Gounas (Signature) <i>A. Gounas</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. WALKER (Signature) <i>Walker</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time



**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8157

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA: QBT3		ok	
TIME COLLECTED (HH:MM)		1322		SUB-MEDIA: TUFF 1		↓	
PRS ID:	15-007(c)	ok		SAMPLE TECH CODE: HA		ok	
LOCATION ID:	15-610807	↓		FIELD QC TYPE: NA		↓	
LOCATION TYPE:	GENERIC	↓		FIELD PREP: NA		↓	
TOP DEPTH:	0	1.0		SAMPLE USAGE: INV		↓	
BOTTOM DEPTH:	0	2.0		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	R		EXCAVATED: YES / <del>NO</del> / NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES / <del>NO</del> / NA			
BOREHOLE: YES / <del>NO</del> / NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Light brown weathered tuff and silty sand

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c - 9

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  16 dpm  
Beta/Gamma  $\leq$  1561 dpm

PID  $\frac{\text{Ambient}}{\text{Reading}} = \frac{0.0}{0.8} \text{ ppm}$

COLLECTED BY (PRINT)

Th. McFarlane

REVIEWED BY (PRINT)

Larry A. Lopez

RELINQUISHED BY (Printed Name) A. Gouma (Signature) <i>A. Gouma</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. NACZAY (Signature) <i>S. NACZAY</i>	Date/Time 1/28/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8158

WORK ORDER:

AS PLANNED		AS COLLECTED	AS PLANNED		AS COLLECTED
DATE COLLECTED(MM/DD/YYYY):		01/29/2010	MEDIA:		QBT3
TIME COLLECTED (HH:MM)		1318	SUB-MEDIA:		TUFF 1
PRS ID:	15-007(c)	OK	SAMPLE TECH CODE:		HA
LOCATION ID:	15-610808	↓	FIELD QC TYPE:		NA
LOCATION TYPE:	GENERIC	↓	FIELD PREP:		NA
TOP DEPTH:	0	0.0	SAMPLE USAGE:		INV
BOTTOM DEPTH:	0	0.5	SCREEN/PORT DESC:		NA
FIELD MATRIX:	B	S	EXCAVATED: YES/NO/NA		
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA	WATER FLOWING: YES/NO/NA		
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA	BOREHOLE DIRECTION: NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Brown silty sand,  
moist

SAMPLE COMMENTS:

LOCATION DESC:

7c-10

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 11 dpm  
Beta/Gamma = 1589 dpm

HE neg  
PID  $\frac{\text{Ambient}}{\text{Reading}} = \frac{0.0}{0.0}$  ppm

COLLECTED BY (PRINT)

ThMcFarlane

REVIEWED BY (PRINT)

Lanny A. Lopez

RELINQUISHED BY (Printed Name) A. Goumas (Signature) <i>Archie Goumas</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARCAY (Signature) <i>SM</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

# SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8159

WORK ORDER:

	<u>AS PLANNED</u>	<u>AS COLLECTED</u>	<u>AS PLANNED</u>	<u>AS COLLECTED</u>
DATE COLLECTED(MM/DD/YYYY):		01/29/2010	MEDIA:	QBT3
TIME COLLECTED (HH:MM)		1325	SUB-MEDIA:	TUFF 1
PRS ID:	15-007(c)	OK	SAMPLE TECH CODE:	HA
LOCATION ID:	15-610808	↓	FIELD QC TYPE:	NA
LOCATION TYPE:	GENERIC	↓	FIELD PREP:	NA
TOP DEPTH:	0	1.0	SAMPLE USAGE:	INV
BOTTOM DEPTH:	0	2.0	SCREEN/PORT DESC:	NA
FIELD MATRIX:	R	R	EXCAVATED: YES/NO/NA	NO/NA
COMPOSITE TYPE:	NA	COMPOSITE TIME INTERVAL:	NA	WATER FLOWING: YES/NO/NA
BOREHOLE: YES/NO/NA	NO/NA	BOREHOLE DECLINATION:	NA	BOREHOLE DIRECTION:
			NA	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Light brown weathered tuff and silty sand

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c - 10

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha ≤ 22 dpm

Beta/Gamma ≤ 1451 dpm

PID  $\frac{\text{Ambient}}{\text{Reading}} = \frac{0.0}{0.2} \text{ ppm}$

COLLECTED BY (PRINT)

Th McFarland

REVIEWED BY (PRINT)

Lacey A. Lopez

<b>RELINQUISHED BY</b> (Printed Name) A. Gorman (Signature) <i>A. Gorman</i>	<b>Date/Time</b> 1/29/10 1540	<b>RECEIVED BY</b> (Printed Name) S. MAROTTA (Signature) <i>Wh</i>	<b>Date/Time</b> 1/29/10 1540
<b>RELINQUISHED BY</b> (Printed Name) (Signature)	<b>Date/Time</b>	<b>RECEIVED BY</b> (Printed Name) (Signature)	<b>Date/Time</b>

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8160

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA:	QBT3		Allh
TIME COLLECTED (HH:MM)		1329		SUB-MEDIA:	TUFF 1		NA
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:	HA		OK
LOCATION ID:	15-610809	↓		FIELD QC TYPE:	NA		↓
LOCATION TYPE:	GENERIC	↓		FIELD PREP:	NA		↓
TOP DEPTH:	0	0.0		SAMPLE USAGE:	INV		↓
BOTTOM DEPTH:	0	0.5		SCREEN/PORT DESC:			NA
FIELD MATRIX:	R	S		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		WATER FLOWING: YES/NO/NA
BOREHOLE: YES/NO/NA	NO			BOREHOLE DECLINATION:	NA		BOREHOLE DIRECTION: NA

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Brown sand, cobbles

SAMPLE COMMENTS:

LOCATION DESC: 7c - 11

FIELD SCREENING/MEASUREMENT RESULTS:

HE neg

Alpha  $\pm$  10 dpm  
 Beta/Gamma  $\pm$  1548 dpm

PID  $\frac{\text{Ambient Reading}}{0.0} = 0.0$  ppm

COLLECTED BY (PRINT)

T. McFarlane

REVIEWED BY (PRINT)

LARRY A. LOPEZ

RELINQUISHED BY (Printed Name) A. Gouma (Signature) <i>A. Gouma</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARCAY (Signature) <i>SM</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8161

WORK ORDER:

AS PLANNED		AS COLLECTED	AS PLANNED		AS COLLECTED
DATE COLLECTED(MM/DD/YYYY):		01/29/2010	MEDIA:		QBT3
TIME COLLECTED (HH:MM)		1336	SUB-MEDIA:		TUFF 1
PRS ID:	15-007(c)	ok	SAMPLE TECH CODE:		HA
LOCATION ID:	15-610809	↓	FIELD QC TYPE:		NA
LOCATION TYPE:	GENERIC	↓	FIELD PREP:		NA
TOP DEPTH:	0	1.0	SAMPLE USAGE:		INV
BOTTOM DEPTH:	0	1.5	SCREEN/PORT DESC:		NA
FIELD MATRIX:	R	S	EXCAVATED: YES/NO/NA		NA
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA	WATER FLOWING: YES/NO/NA		NA
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA	BOREHOLE DIRECTION: NA		NA

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Brown sand and cobbles

SAMPLE COMMENTS:

NA

LOCATION DESC:

7C-11

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  11 dpm  
Beta/Gamma  $\leq$  1845 dpm

PID  $\frac{\text{Ambient Reading}}{0.0} = 0.0$  ppm

COLLECTED BY (PRINT)

TL McFarland

REVIEWED BY (PRINT)

Larry A. Lopez

RELINQUISHED BY (Printed Name) A. Goumas (Signature) <i>A. Goumas</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MAREY (Signature) <i>U</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

# SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8162

WORK ORDER:

	<u>AS PLANNED</u>	<u>AS COLLECTED</u>		<u>AS PLANNED</u>	<u>AS COLLECTED</u>
DATE COLLECTED(MM/DD/YYYY):		01/29/2010	MEDIA:	QBT3	Allh
TIME COLLECTED (HH:MM)		1331	SUB-MEDIA:	TUFF 1	NA
PRS ID: 15-007(c)		ok	SAMPLE TECH CODE:	HA	ok
LOCATION ID: 15-610810		↓	FIELD QC TYPE:	NA	↓
LOCATION TYPE: <u>GENERIC</u>		↓	FIELD PREP:	NA	↓
TOP DEPTH: 0		0.0	SAMPLE USAGE:	INV	↓
BOTTOM DEPTH: 0		0.5	SCREEN/PORT DESC:		NA
FIELD MATRIX: B		S	EXCAVATED: YES/NO/NA		
COMPOSITE TYPE: NA			COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA
BOREHOLE: YES/NO/NA			BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Brown silty sand, moist, roots

SAMPLE COMMENTS:

NA

LOCATION DESC: 7c-15

FIELD SCREENING/MEASUREMENT RESULTS:

HE negative

Alpha  $\leq$  5 dpm  
 Beta/Gamma  $\leq$  1799 dpm

PID  $\frac{\text{Ambient Reading}}{0.0} = 0.0$  ppm

COLLECTED BY (PRINT)

T. McFarlane

REVIEWED BY (PRINT)

Laney A. Lopez

RELINQUISHED BY (Printed Name) A. Goumas (Signature) <i>A. Goumas</i>	Date/Time 1/29/10 1546	RECEIVED BY (Printed Name) S. MARGAT (Signature) <i>S. Margat</i>	Date/Time 1/29/10 1550
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8163

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA: QBT3		Allh	
TIME COLLECTED (HH:MM)		1340		SUB-MEDIA: TUFF1		NA	
PRS ID:	15-007(c)	ok		SAMPLE TECH CODE: HA		ok	
LOCATION ID:	15-610810	↓		FIELD QC TYPE: NA		↓	
LOCATION TYPE:	GENERIC	↓		FIELD PREP: NA		↓	
TOP DEPTH:	0	1.0		SAMPLE USAGE: INV		↓	
BOTTOM DEPTH:	0	2.0		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	S		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA			
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Brown silty sand, minor clay

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c - 15

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  22 dpm  
Beta/Gamma  $\leq$  1527 dpm

PID  $\frac{\text{Ambient}}{\text{Reading}} = \frac{0.0}{0.3} \text{ppm}$

COLLECTED BY (PRINT)

Larry A. Lopez

REVIEWED BY (PRINT)

A. Goumas

RELINQUISHED BY (Printed Name) A. Goumas (Signature) <i>A. Goumas</i>	Date/Time 1/29/10 1546	RECEIVED BY (Printed Name) S. MARCZAY (Signature) <i>SM</i>	Date/Time 1/29/10 1546
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

# SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8164

WORK ORDER:

	<u>AS PLANNED</u>	<u>AS COLLECTED</u>		<u>AS PLANNED</u>	<u>AS COLLECTED</u>
DATE COLLECTED(MM/DD/YYYY):		01/29/2010	MEDIA:	OBT3	Allh
TIME COLLECTED (HH:MM)		1348	SUB-MEDIA:	TUFF 1	NA
PRS ID:	15-007(c)	OK	SAMPLE TECH CODE:	HA	OK
LOCATION ID:	15-610811	↓	FIELD QC TYPE:	NA	↓
LOCATION TYPE:	GENERIC	↓	FIELD PREP:	NA	↓
TOP DEPTH:	0	0.0	SAMPLE USAGE:	INV	↓
BOTTOM DEPTH:	0	0.5	SCREEN/PORT DESC:		NA
FIELD MATRIX:	R	S	EXCAVATED: YES/NO/NA		
COMPOSITE TYPE:	NA		COMPOSITE TIME INTERVAL:	NA	WATER FLOWING: YES/NO/NA
BOREHOLE: YES/NO/NA			BOREHOLE DECLINATION:	NA	BOREHOLE DIRECTION:
				NA	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Brown silty sand, some rocks  
moist

FD RE15-10-8223

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c-24

FIELD SCREENING/MEASUREMENT RESULTS:

HE negative

Alpha ≤ 11 dpm

Beta/Gamma ≤ 1783 dpm

PID  $\frac{\text{Ambient Reading}}{0.0} = \frac{0.0}{0.0}$  ppm

COLLECTED BY (PRINT)

TLMcFarland

REVIEWED BY (PRINT)

Larry A. Lopez

<b>RELINQUISHED BY</b> (Printed Name) A. Gouma (Signature) <i>A. Gouma</i>	<b>Date/Time</b> 1/29/10 1540	<b>RECEIVED BY</b> (Printed Name) S. GARCIA (Signature) <i>S. Garcia</i>	<b>Date/Time</b> 1/29/10 1530
<b>RELINQUISHED BY</b> (Printed Name) (Signature)	<b>Date/Time</b>	<b>RECEIVED BY</b> (Printed Name) (Signature)	<b>Date/Time</b>



## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8165

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA:		QBT3	
TIME COLLECTED(HH:MM)		7:11m 1552 1352		SUB-MEDIA:		TUFF 1	
PRS ID: 15-007(c)		ok		SAMPLE TECH CODE:		HA	
LOCATION ID: 15-610811		↓		FIELD QC TYPE:		NA	
LOCATION TYPE: GENERIC		↓		FIELD PREP:		NA	
TOP DEPTH: 0		1.0		SAMPLE USAGE:		INV	
BOTTOM DEPTH: 0		2.0		SCREEN/PORT DESC:		NA	
FIELD MATRIX: B		S		EXCAVATED: YES/NO/NA		NO/NA	
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA		NO/NA	
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Brown sandy silt

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c-24

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\pm$  11 dpm  
Beta/Gamma  $\pm$  1748 dpm

PID  $\frac{\text{Ambient Reading}}{0.0} = 0.0$  ppm

COLLECTED BY (PRINT)

TLMcFarlane

REVIEWED BY (PRINT)

LARRY A. LOPEZ

RELINQUISHED BY (Printed Name) A. Goumas (Signature) <i>A. Goumas</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MATHUR (Signature) <i>S. Mathur</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8166

WORK ORDER:

AS PLANNED		AS COLLECTED	AS PLANNED		AS COLLECTED
DATE COLLECTED(MM/DD/YYYY):		01/29/2010	MEDIA:	OBT3	Alh
TIME COLLECTED (HH:MM)		1350	SUB-MEDIA:	TUFF 1	NA
PRS ID:	15-007(c)	OK	SAMPLE TECH CODE:	HA	OK
LOCATION ID:	15-610812	↓	FIELD QC TYPE:	NA	↓
LOCATION TYPE:	GENERIC	↓	FIELD PREP:	NA	↓
TOP DEPTH:	0	0.0	SAMPLE USAGE:	INV	↓
BOTTOM DEPTH:	0	0.5	SCREEN/PORT DESC:		NA
FIELD MATRIX:	R	S	EXCAVATED: YES/NO/NA		
COMPOSITE TYPE:	NA		COMPOSITE TIME INTERVAL:	NA	
			WATER FLOWING: YES/NO/NA		
BOREHOLE: YES/NO/NA			BOREHOLE DECLINATION:	NA	
			BOREHOLE DIRECTION:	NA	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Brown sand and cobbles

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c- 16

FIELD SCREENING/MEASUREMENT RESULTS:

HE negative

Alpha  $\pm$  27 dpm  
Beta/Gamma  $\pm$  1720 dpm

PID  $\frac{\text{Ambient}}{\text{Reading}} \frac{0.0}{0.0}$  ppm

COLLECTED BY (PRINT)

T. McFarland

REVIEWED BY (PRINT)

Larry A. Lopez

RELINQUISHED BY (Printed Name) A. Gouma (Signature) <i>A. Gouma</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARCZAK (Signature) <i>M</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

# SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8167

WORK ORDER:

	<u>AS PLANNED</u>	<u>AS COLLECTED</u>	<u>AS PLANNED</u>	<u>AS COLLECTED</u>
DATE COLLECTED(MM/DD/YYYY):		01/29/2010	MEDIA:	QBT3
TIME COLLECTED (HH:MM)		1357	SUB-MEDIA:	TUFF 1
PRS ID:	15-007(c)	ok	SAMPLE TECH CODE:	HA
LOCATION ID:	15-610812	↓	FIELD QC TYPE:	NA
LOCATION TYPE:	GENERIC	↓	FIELD PREP:	NA
TOP DEPTH:	0	1.0	SAMPLE USAGE:	INV
BOTTOM DEPTH:	0	1.5	SCREEN/PORT DESC:	NA
FIELD MATRIX:	R	S	EXCAVATED: YES/NO/NA	NA
COMPOSITE TYPE:	NA	COMPOSITE TIME INTERVAL:	NA	WATER FLOWING: YES/NO/NA
BOREHOLE: YES/NO/NA	NO/NA	BOREHOLE DECLINATION:	NA	BOREHOLE DIRECTION:
			NA	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	X	

SAMPLE DESC:

Brown sandy silt, some clay

SAMPLE COMMENTS:

NA

LOCATION DESC:

7C-16

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  33 dpm  
Beta/Gamma  $\leq$  1561 dpm

PID  $\frac{\text{Ambient Reading}}{1.9} = \frac{0.0}{1.9}$  ppm

COLLECTED BY (PRINT)

TLMCFarland

REVIEWED BY (PRINT)

Lacey A. Lopez

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) A. Goumas	1/29/10	S. MAREZAS	1/29/10
(Signature) <i>A. Goumas</i>	1540	(Signature) <i>[Signature]</i>	1540
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name)		(Printed Name)	
(Signature)		(Signature)	

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8168

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010 <del>01/29/2003</del> 17M 11/29/10		MEDIA: QBT3		Allh	
TIME COLLECTED(HH:MM)		1402		SUB-MEDIA: TUFF 1		NA	
PRS ID:	15-007(c)	ok		SAMPLE TECH CODE:	HA	ok	
LOCATION ID:	15-610813	↓		FIELD QC TYPE:	NA	↓	
LOCATION TYPE:	GENERIC	↓		FIELD PREP:	NA	↓	
TOP DEPTH:	0	0.0		SAMPLE USAGE:	INV	↓	
BOTTOM DEPTH:	0	0.5		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	S		EXCAVATED: YES / <input checked="" type="radio"/> / NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES / <input checked="" type="radio"/> / NA			
BOREHOLE: YES / <input checked="" type="radio"/> / NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Brown silty sand, cobbles

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c-21

FIELD SCREENING/MEASUREMENT RESULTS:

HE negative

Alpha  $\pm$  5 dpmBeta/Gamma  $\pm$  1430 dpmPID  $\frac{\text{Ambient Reading}}{0.1} = \frac{0.0}{0.1}$  ppm

COLLECTED BY (PRINT)

TLMcFarlane

REVIEWED BY (PRINT)

Lacey A. Lopez

RELINQUISHED BY (Printed Name) A. Goumar (Signature) <i>A. Goumar</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) 3. MARCZAK (Signature) <i>W</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8169

WORK ORDER:

<u>AS PLANNED</u>		<u>AS COLLECTED</u>	<u>AS PLANNED</u>		<u>AS COLLECTED</u>
DATE COLLECTED(MM/DD/YYYY):		01/29/2010	MEDIA:		QBT3
TIME COLLECTED (HH:MM)		1407	SUB-MEDIA:		TUFF 1
PRS ID:	15-007(c)	ok	SAMPLE TECH CODE:		HA
LOCATION ID:	15-610813	↓	FIELD QC TYPE:		NA
LOCATION TYPE:	GENERIC	↓	FIELD PREP:		NA
TOP DEPTH:	0	1.0	SAMPLE USAGE:		INV
BOTTOM DEPTH:	0	1.5	SCREEN/PORT DESC:		NA
FIELD MATRIX:	R	S	EXCAVATED: YES/NO/NA		
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA	WATER FLOWING: YES/NO/NA		
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA	BOREHOLE DIRECTION: NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Brown silty clay

FR: RE15-10-8233

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c-21

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  5 dpm  
Beta/Gamma  $\leq$  1513 dpm

PID  $\frac{\text{Ambient}}{\text{Reading}} = \frac{6.0}{0.2}$  ppm

COLLECTED BY (PRINT)

TLMcFarland

REVIEWED BY (PRINT)

Larry A. Lopez

RELINQUISHED BY (Printed Name) A. Goumas (Signature) <i>A. Goumas</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARCUM (Signature) <i>W</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8170

WORK ORDER:

AS PLANNED		AS COLLECTED	AS PLANNED		AS COLLECTED
DATE COLLECTED(MM/DD/YYYY):		01/29/2010	MEDIA:	QBT3	Allh
TIME COLLECTED (HH:MM)		1414	SUB-MEDIA:	TUFF 1	NA
PRS ID:	15-007(c)	OK	SAMPLE TECH CODE:	HA	OK
LOCATION ID:	15-610814	↓	FIELD QC TYPE:	NA	↓
LOCATION TYPE:	GENERIC	↓	FIELD PREP:	NA	↓
TOP DEPTH:	0	0.0	SAMPLE USAGE:	INV	↓
BOTTOM DEPTH:	0	0.5	SCREEN/PORT DESC:		NA
FIELD MATRIX:	R	S	EXCAVATED: YES/NO/NA		
COMPOSITE TYPE:	NA		COMPOSITE TIME INTERVAL:	NA	
			WATER FLOWING: YES/NO/NA		
BOREHOLE: YES/NO/NA			BOREHOLE DECLINATION:	NA	
			BOREHOLE DIRECTION:	NA	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Brown sandy silt

FD: RE 15-10-8224

SAMPLE COMMENTS:

NR

LOCATION DESC:

7C-14

FIELD SCREENING/MEASUREMENT RESULTS:

HE negative

Alpha  $\pm$  16 dpm  
Beta/Gamma  $\pm$  1714 dpmPID  $\frac{\text{Ambient}}{\text{Reading}} = \frac{0.0}{0.6}$  ppm

COLLECTED BY (PRINT)

TL McFarland

REVIEWED BY (PRINT)

Larry A. Lopez

RELINQUISHED BY (Printed Name) A. Gouma J (Signature) <i>A. Gouma J</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MAR 214 (Signature) <i>SM</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8171

WORK ORDER:

AS PLANNED		AS COLLECTED	AS PLANNED		AS COLLECTED
DATE COLLECTED(MM/DD/YYYY):		01/29/2010	MEDIA:		OBT3
TIME COLLECTED (HH:MM)		1420	SUB-MEDIA:		TUFF 1
PRS ID:	15-007(c)	ok	SAMPLE TECH CODE:		HA
LOCATION ID:	15-610814	↓	FIELD QC TYPE:		NA
LOCATION TYPE:	GENERIC	↓	FIELD PREP:		NA
TOP DEPTH:	0	1.0	SAMPLE USAGE:		INV
BOTTOM DEPTH:	0	2.0	SCREEN/PORT DESC:		NA
FIELD MATRIX:	R	R	EXCAVATED: YES/NO/NA		
COMPOSITE TYPE:			COMPOSITE TIME INTERVAL:		NA
			WATER FLOWING: YES/NO/NA		
BOREHOLE: YES/NO/NA			BOREHOLE DECLINATION:		NA
			BOREHOLE DIRECTION:		NA

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	NMED Explosives list	250 ML AMBER GLASS	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Brown highly weathered tuff,  
root material

SAMPLE COMMENTS:

NA

FR RE15-10-8232

LOCATION DESC:

7c-14

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  16 dpm  
Beta/Gamma  $\leq$  1561 dpmPID  $\frac{\text{Ambient Reading}}{0.9} = \frac{0.0}{0.9} \text{ ppm}$ 

COLLECTED BY (PRINT)

TL McFarlane

REVIEWED BY (PRINT)

Larry A. Lopez

RELINQUISHED BY (Printed Name) A. Gouma 3 (Signature) <i>A. Gouma 3</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARY (Signature) <i>S. Mary</i>	Date/Time 1/29/10 1560
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8172

WORK ORDER:

AS PLANNED	AS COLLECTED	AS PLANNED	AS COLLECTED
DATE COLLECTED(MM/DD/YYYY):		MEDIA:	QBT3
TIME COLLECTED (HH:MM)		SUB-MEDIA:	TUFF 1
PRS ID: 15-007(c)		SAMPLE TECH CODE:	HA
LOCATION ID: 15-610815		FIELD QC TYPE:	NA
LOCATION TYPE: GENERIC		FIELD PREP:	NA
TOP DEPTH: 0		SAMPLE USAGE:	INV
BOTTOM DEPTH: 0		SCREEN/PORT DESC:	
FIELD MATRIX: R		EXCAVATED: YES/NO/NA	
COMPOSITE TYPE:	COMPOSITE TIME INTERVAL:	WATER FLOWING: YES/NO/NA	
BOREHOLE: YES/NO/NA	BOREHOLE DECLINATION:	BOREHOLE DIRECTION:	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1		Metals+ClO4+CN	500 ML POLY	Ice		
1		NMED Explosives list	250 ML AMBER GLASS	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC:

SAMPLE COMMENTS:

LOCATION DESC:

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = \_\_\_\_\_ dpm  
Beta/Gamma = \_\_\_\_\_ dpm

PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$

COLLECTED BY (PRINT)

T.McFarland

REVIEWED BY (PRINT)

Lucy A. Lopez

RELINQUISHED BY (Printed Name) E. Lujan (Signature) <i>E. Lujan</i>	Date/Time 02/16/10 0820 AM	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time



## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8173

WORK ORDER:

AS PLANNED	AS COLLECTED	AS PLANNED	AS COLLECTED
DATE COLLECTED(MM/DD/YYYY):		MEDIA:	QBT3
TIME COLLECTED (HH:MM)		SUB-MEDIA:	TUFF 1
PRS ID:	15-007(c)	SAMPLE TECH CODE:	HA
LOCATION ID:	15-610815	FIELD QC TYPE:	NA
LOCATION TYPE:	GENERIC	FIELD PREP:	NA
TOP DEPTH:	0	SAMPLE USAGE:	INV
BOTTOM DEPTH:	0	SCREEN/PORT DESC:	
FIELD MATRIX:	R	EXCAVATED: YES/NO/NA	
COMPOSITE TYPE:		COMPOSITE TIME INTERVAL:	
		WATER FLOWING: YES/NO/NA	
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION:	
		BOREHOLE DIRECTION:	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1		Metals+ClO4+CN	500 ML POLY	Ice		
1		NMED Explosives list	250 ML AMBER GLASS	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC:

SAMPLE COMMENTS:

LOCATION DESC:

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = \_\_\_\_\_ dpm  
Beta/Gamma = \_\_\_\_\_ dpm

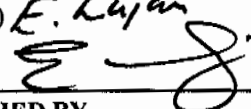
PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$

COLLECTED BY (PRINT)

TH McFarland

REVIEWED BY (PRINT)

Lanny A Lopez

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) E. Lujan	02/16/10	(Printed Name)	
(Signature) 	0830 AM	(Signature)	
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name)		(Printed Name)	
(Signature)		(Signature)	

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8174

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/04/2010	MEDIA:	QBT3	OK		
TIME COLLECTED (HH:MM)		13:45	SUB-MEDIA:	TUFF 1	OK		
PRS ID:	15-007(c)	OK	SAMPLE TECH CODE:	HA	CBS		
LOCATION ID:	15-610816		FIELD QC TYPE:	NA	OK		
LOCATION TYPE:	GENERIC		FIELD PREP:	NA			
TOP DEPTH:	0	3.5 ft	SAMPLE USAGE:	INV			
BOTTOM DEPTH:	0	5.0 ft	SCREEN/PORT DESC:	NA			
FIELD MATRIX:	B	OK	EXCAVATED: YES/NO/NA	NO			
COMPOSITE TYPE:	NA		COMPOSITE TIME INTERVAL:	NA			
					WATER FLOWING: YES/NO/NA		
BOREHOLE:	YES/NO/NA		BOREHOLE DECLINATION:	-90°			
					BOREHOLE DIRECTION:	NA	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice		
1		Metals+ClO4+CN	500 ML POLY	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC:

Pinkish gray, moderately indurate, nonwelded, deictified, ash flow tuff

SAMPLE COMMENTS:

LOCATION DESC:

7c-1

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  33 dpm  
Beta/Gamma  $\leq$  1740 dpm

PID  $\frac{\text{Ambient Reading}}{\text{Reading}} =$  ppm

HE Spot Test Negative

COLLECTED BY (PRINT)

J. MARIN

REVIEWED BY (PRINT)

Riley Evans

RELINQUISHED BY (Printed Name) Estevan Lujan (Signature) E. Lujan	Date/Time 2/5/10 07:11 AM	RECEIVED BY (Printed Name) Sherri Sherwood (Signature) Sherri Sherwood	Date/Time 2/5/10 0711
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8175

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED(MM/DD/YYYY):		02/04/2010	MEDIA:	QBT3	OK
TIME COLLECTED (HH:MM)		14:28	SUB-MEDIA:	TUFF 1	OK
PRS ID:	15-007(c)	OK	SAMPLE TECH CODE:	HA	CBS
LOCATION ID:	15-610816		FIELD QC TYPE:	NA	OK
LOCATION TYPE:	GENERIC		FIELD PREP:	NA	
TOP DEPTH:	0	17.5 ft	SAMPLE USAGE:	INV	
BOTTOM DEPTH:	0	20.0 ft	SCREEN/PORT DESC:	NA	
FIELD MATRIX:	R	OK	EXCAVATED: YES (NO) NA		
COMPOSITE TYPE:	NA		COMPOSITE TIME INTERVAL:	NA	
BOREHOLE: YES/NO/NA	YES		BOREHOLE DECLINATION:	-20°	
			BOREHOLE DIRECTION:	NA	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice		
1		Metals+CIO4+CN	500 ML POLY	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC:

SAMPLE COMMENTS: Light pinkish gray partially indurated and welded, devitri-  
fied, dy, ash flow tuff  
NA

LOCATION DESC:

7c-1

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 33 dpm

Beta/Gamma = 2120 dpm

PID  $\frac{\text{Ambient}}{\text{Reading}}$  = 0 ppm

COLLECTED BY (PRINT)

J. MARIN

REVIEWED BY (PRINT) TLMcFarlane

RELINQUISHED BY (Printed Name) Estevan Lujan (Signature)	Date/Time 2/5/10 07:11AM	RECEIVED BY (Printed Name) Sherri Sherwood (Signature)	Date/Time 2/5/10 0711
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8176

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/04/2010	MEDIA:	QBT3		OK	
TIME COLLECTED (HH:MM)		14:55	SUB-MEDIA:	TUFF		OK	
PRS ID:	15-007(c)	OK	SAMPLE TECH CODE:	HA		CBS	
LOCATION ID:	15-610816		FIELD QC TYPE:	NA		OK	
LOCATION TYPE:	GENERIC		FIELD PREP:	NA			
TOP DEPTH:	0	34 ft	SAMPLE USAGE:	INV			
BOTTOM DEPTH:	0	35 ft	SCREEN/PORT DESC:	NA			
FIELD MATRIX:	R	OK	EXCAVATED: YES/NO/NA	NO/NA			
COMPOSITE TYPE:	NA		COMPOSITE TIME INTERVAL:	NA		WATER FLOWING: YES/NO/NA	NO/NA
BOREHOLE: YES/NO/NA	YES		BOREHOLE DECLINATION:	-90°		BOREHOLE DIRECTION:	NA

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice		
1		Metals+ClO4+CN	500 ML POLY	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC:

Light brownish gray, moderately indurated, partially welded, devitrified, dry, arch flow tuff

SAMPLE COMMENTS:

LOCATION DESC:

7c-1

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 16 dpm

Beta/Gamma = 1935 dpm

PID  $\frac{\text{Ambient Reading}}{0} = 0$  ppm

COLLECTED BY (PRINT)

J. MARIN

REVIEWED BY (PRINT)

Nikolas Gallegos

RELINQUISHED BY (Printed Name) Estevan Lujan (Signature) <i>E. Lujan</i>	Date/Time 2/5/11 07:12 AM	RECEIVED BY (Printed Name) Sherri Sherwood (Signature) <i>Sherri Sherwood</i>	Date/Time 2/5/11 0712
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8177

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/04/2010		MEDIA:		QBT3	
TIME COLLECTED (HH:MM)		15:25		SUB-MEDIA:		TUFF 1	
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:		HA	
LOCATION ID:	15-610816			FIELD QC TYPE:		NA	
LOCATION TYPE:	GENERIC			FIELD PREP:		NA	
TOP DEPTH:	0	49.0 ft		SAMPLE USAGE:		INV	
BOTTOM DEPTH:	0	50.0 ft		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	OK		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA		NA	
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: ~90°		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice		
1		Metals+ClO4+CN	500 ML POLY	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

## SAMPLE DESC:

Brownish gray, moderately indurated, partially welded, devitrified  
dry, ash flow tuff

## SAMPLE COMMENTS:

Local iron oxide stain from fracture in sample

## LOCATION DESC:

7c-1

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 16 dpm

Beta/Gamma = 1783 dpm

PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$ 

COLLECTED BY (PRINT)

J. MARIN

REVIEWED BY (PRINT)

Riley Wood

RELINQUISHED BY (Printed Name) Estevan Lujan (Signature) <i>[Signature]</i>	Date/Time 2/5/10 07:12 AM	RECEIVED BY (Printed Name) Sherri Woodward (Signature) <i>[Signature]</i>	Date/Time 2/5/10 07:12
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8178

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/04/2010		MEDIA:		QBT3	
TIME COLLECTED (HH:MM)		15:50		SUB-MEDIA:		TUFF 1	
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:		HA	
LOCATION ID:	15-610816			FIELD QC TYPE:		NA	
LOCATION TYPE:	GENERIC			FIELD PREP:		NA	
TOP DEPTH:	0	65 ft		SAMPLE USAGE:		INV	
BOTTOM DEPTH:	0	66 ft		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	OK		EXCAVATED: YES/NO		NA	
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO		NA	
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: -90°		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+ClO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

## SAMPLE DESC:

Light pinkish gray, NON indurated, NON welded, devitrified  
dry, ash & low tuff

## SAMPLE COMMENTS:

## LOCATION DESC:

7c-1

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 5 dpm  
Beta/Gamma = 1755 dpm

PID  $\frac{\text{Ambient Reading}}{0} = 0$  ppm

COLLECTED BY (PRINT)

JON MARIN

REVIEWED BY (PRINT)

Riley Wons

RELINQUISHED BY (Printed Name) Estevan Lujan (Signature) <i>E. Lujan</i>	Date/Time 2/5/10 07:13 44	RECEIVED BY (Printed Name) Sherri Sherwood (Signature) <i>Sherri Sherwood</i>	Date/Time 2/5/10 0713
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8179

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/05/2010	MEDIA:	QBT3		OK	
TIME COLLECTED (HH:MM)		09:50	SUB-MEDIA:	TUFF 1		OK	
PRS ID:	15-007(c)	OK	SAMPLE TECH CODE:	HA		CBS	
LOCATION ID:	15-610816	OK	FIELD QC TYPE:	NA		OK	
LOCATION TYPE:	GENERIC	OK	FIELD PREP:	NA			
TOP DEPTH:	Q	79.0 ft	SAMPLE USAGE:	INV			
BOTTOM DEPTH:	Q	80.0 ft	SCREEN/PORT DESC:	NA			
FIELD MATRIX:	R	OK	EXCAVATED: YES/NO/NA				
COMPOSITE TYPE:	NA		COMPOSITE TIME INTERVAL:	NA		WATER FLOWING: YES/NO/NA	
BOREHOLE: YES/NO/NA			BOREHOLE DECLINATION:	-90°		BOREHOLE DIRECTION:	NA

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	9AM 25110 8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice		
1		Metals+ClO4+CN	500 ML POLY	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

## SAMPLE DESC:

Light gray, moderately to non-indurated, non welded, devitrified  
dig, ash flow tuff

## SAMPLE COMMENTS:

N/A

## LOCATION DESC:

7c-1

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 20 dpm  
Beta/Gamma = 643 dpm

PID  $\frac{\text{Ambient Reading}}{0} = 0$  ppm

COLLECTED BY (PRINT)

J. MARIN

REVIEWED BY (PRINT)

Larry A. Lopez

RELINQUISHED BY (Printed Name) A. Goumas (Signature) [Signature]	Date/Time 2.5.10 1625	RECEIVED BY (Printed Name) Sheri Sherwood (Signature) [Signature]	Date/Time 2/5/10 1625
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8180

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/05/2010		MEDIA:		QBT3	
TIME COLLECTED (HH:MM)		10:20		SUB-MEDIA:		TUFF 1	
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:		HA	
LOCATION ID:	15-610816	OK		FIELD QC TYPE:		NA	
LOCATION TYPE:	GENERIC	OK		FIELD PREP:		NA	
TOP DEPTH:	0	94.0 ft		SAMPLE USAGE:		INV	
BOTTOM DEPTH:	0	95.0 ft		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	OK		EXCAVATED: YES/NO/NA		NO	
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA		NO	
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: -90°		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	MM2/5/10 30827NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+ClO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Light gray, non indurated, non welded, dehydrified, dry  
ash flow tuff

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c-1

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 23.1 dpm

Beta/Gamma = 1410 dpm

PID  $\frac{\text{Ambient Reading}}{0}$  ppm

COLLECTED BY (PRINT)

L. Lopez

REVIEWED BY (PRINT)

Riley E.

RELINQUISHED BY (Printed Name) A. Goumas (Signature) <i>A. Goumas</i>	Date/Time 2.5.10 1625	RECEIVED BY (Printed Name) <i>Therri Greenwood</i> (Signature) <i>Therri Greenwood</i>	Date/Time 2/5/10 1625
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time



## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8181

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/05/2010		MEDIA:	QBT3		OK
TIME COLLECTED (HH:MM)		10:50		SUB-MEDIA:	TUFF 1		OK
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:	HA		CBS
LOCATION ID:	15-610816			FIELD QC TYPE:	NA		OK
LOCATION TYPE:	GENERIC			FIELD PREP:	NA		
TOP DEPTH:	0	109.0 ft		SAMPLE USAGE:	INV		
BOTTOM DEPTH:	0	110.6 ft		SCREEN/PORT DESC:	NA		
FIELD MATRIX:	R	OK		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		WATER FLOWING: YES (NO) / NA
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION:	-90°	BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	2RM 2/5/10 8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+ClO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Light gray, non-indurated, non-welded, dehydrified, dry, ash flow tuff

SAMPLE COMMENTS:

LOCATION DESC:

7c-1

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha =  $\frac{10 \text{ dpm}}{27 \text{ dpm}} \times 25110$   
 Beta/Gamma = 2700 dpm

PID  $\frac{\text{Ambient Reading}}{0} = 0 \text{ ppm}$

COLLECTED BY (PRINT)

L. Lopez

REVIEWED BY (PRINT)

R. Evans

RELINQUISHED BY (Printed Name) A. Goumas (Signature) <i>A. Goumas</i>	Date/Time 2.5.10 1625	RECEIVED BY (Printed Name) Sheri Sherwood (Signature) <i>Sheri Sherwood</i>	Date/Time 2/5/10 1625
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8182

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/05/2010		MEDIA:	QBT3		QBT 2
TIME COLLECTED (HH:MM)	12M 2/5/10	11 12:50		SUB-MEDIA:	TUFF 1		OK
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:	HA		CBS
LOCATION ID:	15-610816			FIELD QC TYPE:	NA		OK
LOCATION TYPE:	GENERIC			FIELD PREP:	NA		OK
TOP DEPTH:	0	124.0 ft		SAMPLE USAGE:	INV		OK
BOTTOM DEPTH:	0	125.0 ft		SCREEN/PORT DESC:	NA		
FIELD MATRIX:	B	OK		EXCAVATED: YES/NO/NA	NO		
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		
				WATER FLOWING: YES/NO/NA	NO		
BOREHOLE: YES/NO/NA	YES			BOREHOLE DECLINATION:	-90°		
				BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	12M 2/5/10 2082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+ClO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

## SAMPLE DESC:

Light pinkish gray, moderately to strongly indurated, slightly welded, dehydrified, dry, ash flow tuff, moderately 2/5/10

## SAMPLE COMMENTS:

NA

## LOCATION DESC:

7c-1

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 10 dpm  
Beta/Gamma = 1053 dpm

PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = 0$  ppm

## COLLECTED BY (PRINT)

L. Lopez

## REVIEWED BY (PRINT)

R. J. Egan

RELINQUISHED BY (Printed Name) A. Goumas (Signature) <i>A. Goumas</i>	Date/Time 2.5.10 1625	RECEIVED BY (Printed Name) Sherrif Sherwood (Signature) <i>Sherrif Sherwood</i>	Date/Time 2/5/10 1625
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8183

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/05/2010		MEDIA:	OBT3	2/5/10 OK	QBT2
TIME COLLECTED(HH:MM)		12:45		SUB-MEDIA:	TUFF 1	OK	
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:	HA		CBS
LOCATION ID:	15-610816			FIELD QC TYPE:	NA		OK
LOCATION TYPE:	GENERIC			FIELD PREP:	NA		
TOP DEPTH:	0	139.0 ft		SAMPLE USAGE:	INV		
BOTTOM DEPTH:	0	140.0 ft		SCREEN/PORT DESC:	NA		
FIELD MATRIX:	R	OK		EXCAVATED: YES/NO/NA	NO		
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		
BOREHOLE: YES/NO/NA	YES			BOREHOLE DECLINATION:	-90°		
				BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+ClO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

## SAMPLE DESC:

Light brownish gray moderately to strongly indurated, slightly welded, phenocryst-rich, devitrified, dry, ash flow tuff

## SAMPLE COMMENTS:

NA

## LOCATION DESC:

77 ARM 2/5/10 7c-1

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 3 dpm  
Beta/Gamma = 1680 dpm

PID  $\frac{\text{Ambient Reading}}{0} = 0$  ppm

COLLECTED BY (PRINT)

L. Lopez

REVIEWED BY (PRINT)

J. MARIN

RELINQUISHED BY (Printed Name) A. Gamas (Signature) <i>A. Gamas</i>	Date/Time 2.5.10 1625	RECEIVED BY (Printed Name) <i>Henry Sherwood</i> (Signature) <i>Henry Sherwood</i>	Date/Time 2/5/10 1625
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8184

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/05/2010		MEDIA:		QBT3	
TIME COLLECTED (HH:MM)		13:30		SUB-MEDIA:		TUFF 1	
PRS ID: 15-007(c)		OK		SAMPLE TECH CODE:		HA	
LOCATION ID: 15-610816				FIELD QC TYPE:		NA	
LOCATION TYPE: GENERIC				FIELD PREP:		NA	
TOP DEPTH: 0		154.0 ft		SAMPLE USAGE:		INV	
BOTTOM DEPTH: 0		155.0 ft		SCREEN/PORT DESC:		NA	
FIELD MATRIX: R		OK		EXCAVATED: YES <input checked="" type="radio"/> NO <input type="radio"/> NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES <input checked="" type="radio"/> NO <input type="radio"/> NA			
BOREHOLE: <input checked="" type="radio"/> YES / NO / NA		BOREHOLE DECLINATION: -90°		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	1RM 2/5/10 2082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+ClO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

## SAMPLE DESC:

Light brownish gray, moderately indurated, nonwelded, dehydrified  
dry, arch flow tuff

## SAMPLE COMMENTS:

1RM 2/5/10 sample contains 1 cm thick clay fracture fill

## LOCATION DESC:

7c-1

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 24 dpm  
Beta/Gamma = 1397 dpm

PID  $\frac{\text{Ambient Reading}}{0} = 0$  ppm

## COLLECTED BY (PRINT)

L. Lopez

## REVIEWED BY (PRINT)

J. Marin

RELINQUISHED BY (Printed Name) A. Goumas (Signature) <i>Alexander</i>	Date/Time 2.5.10 1625	RECEIVED BY (Printed Name) Sherriff Newwood (Signature) <i>Sherriff Newwood</i>	Date/Time 2/5/10 1625
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8185

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/05/2010		MEDIA:		QBT3	
TIME COLLECTED (HH:MM)		14:14		SUB-MEDIA:		TUFF 1	
PRS ID: 15-007(c)		OK		SAMPLE TECH CODE:		HA	
LOCATION ID: 15-610816				FIELD QC TYPE:		NA	
LOCATION TYPE: GENERIC				FIELD PREP:		NA	
TOP DEPTH: 0		169.0 ft		SAMPLE USAGE:		INV	
BOTTOM DEPTH: 0		170.0 ft		SCREEN/PORT DESC:		NA	
FIELD MATRIX: R		OK		EXCAVATED: YES/NO/NA		NA	
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA		NA	
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: -90°		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	15-007(c) 2082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+ClO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Light Brownish gray, moderately indurated, non welded, devitrified dry, ash flow tuff

SAMPLE COMMENTS:

Thin fractures and iron oxide stain in sample

LOCATION DESC:

7c-1

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 20 dpm  
Beta/Gamma = 1397 dpm

PID  $\frac{\text{Ambient Reading}}{0} = 0$  ppm

COLLECTED BY (PRINT)

L. Lopez

REVIEWED BY (PRINT)

J. MARIN

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) A. Ganga	2-5-10	(Printed Name) Sheri Sherwood	2/5/10
(Signature) <i>A. Ganga</i>	1625	(Signature) <i>Sheri Sherwood</i>	1625
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name)		(Printed Name)	
(Signature)		(Signature)	

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8186

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/10/2010		MEDIA:	QBT3		OK
TIME COLLECTED (HH:MM)		10:12		SUB-MEDIA:	TUFF 1		↓
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:	HA		CBS
LOCATION ID:	15-610817	↓		FIELD QC TYPE:	NA		OK
LOCATION TYPE:	GENERIC	↓		FIELD PREP:	NA		↓
TOP DEPTH:	0	4.0 ft		SAMPLE USAGE:	INV		↓
BOTTOM DEPTH:	0	5.0 ft		SCREEN/PORT DESC:	NA		
FIELD MATRIX:	R	OK		EXCAVATED: YES (NO) NA			
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		WATER FLOWING: YES (NO) NA
BOREHOLE: (YES) NO / NA		BOREHOLE DECLINATION:	-90°	BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	normal	8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1	normal	H3	500 ML POLY	Ice	Y	
1	normal	Metals+CIO4+CN	500 ML POLY	Ice	Y	
1	normal	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Light gray nonindurated, nonwelded, devitrified, ash flow tuff

SAMPLE COMMENTS:

NA

LOCATION DESC: 7C-4

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 14 dpm

Beta/Gamma = 2040 dpm

RS  
 ID  $\frac{\text{Ambient Reading}}{02.02.10} = \text{ppm}$

COLLECTED BY (PRINT)

R. Saunders

REVIEWED BY (PRINT) J. MARIN

RELINQUISHED BY (Printed Name) JON MARIN (Signature) Jon R. Marin	Date/Time 2/11/10 08:46 AM	RECEIVED BY (Printed Name) Sherri Sherwood (Signature) Sherri Sherwood	Date/Time 2/11/10 846
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8187

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		<sup>10</sup> 02/08/2010		MEDIA: OBT3		OK	
TIME COLLECTED(HH:MM)		10:42		SUB-MEDIA: TUFF 1		↓	
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:	HA	CBS	
LOCATION ID:	15-610817	↓		FIELD QC TYPE:	NA	OK	
LOCATION TYPE:	GENERIC	↓		FIELD PREP:	NA	↓	
TOP DEPTH:	0	18.0 ft		SAMPLE USAGE:	INV	↓	
BOTTOM DEPTH:	0	20.0 ft		SCREEN/PORT DESC:	NA		
FIELD MATRIX:	R	OK		EXCAVATED: YES/NO	NA		
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO		NA	
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: -90°		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	normal	8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

## SAMPLE DESC:

Light gray non indurated to wkly indurated, devitrified, dry ash flow tuff

## SAMPLE COMMENTS:

NA

LOCATION DESC: 7C-4

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = .009 dpm

Beta/Gamma = 2121 dpm

~~RS~~  
 PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$ 

COLLECTED BY (PRINT)

R Saunders

REVIEWED BY (PRINT)

J. MARIN

RELINQUISHED BY (Printed Name) JORIE MARIN (Signature) Jorie Marin	Date/Time 2/11/10 08:46 AM	RECEIVED BY (Printed Name) Sheri Sherwood (Signature) Sheri Sherwood	Date/Time 2/11/10 846
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8188

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/10/2010		MEDIA:	QBT3		OK
TIME COLLECTED (HH:MM)		11:02		SUB-MEDIA:	TUFF 1		OK
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:	HA		CB-5
LOCATION ID:	15-610817			FIELD QC TYPE:	NA		OK
LOCATION TYPE:	GENERIC			FIELD PREP:	NA		
TOP DEPTH:	0	34.0 ft		SAMPLE USAGE:	INV		
BOTTOM DEPTH:	0	35.0 ft		SCREEN/PORT DESC:	NA		
FIELD MATRIX:	R	OK		EXCAVATED: YES	NO NA		
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		
BOREHOLE	YES/NO/NA			BOREHOLE DECLINATION:	-90°		
				BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082-NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+ClO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

## SAMPLE DESC:

Medium gray nonindurated, locally partially indurated, dehydrified  
dry, ark flow tuff

## SAMPLE COMMENTS:

NA

## LOCATION DESC: 7C-4

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 33 dpm

Beta/Gamma = 224 dpm

ARM  
2/10/10  
PID Ambient Reading = ppm

## COLLECTED BY (PRINT)

R. Saunders

## REVIEWED BY (PRINT)

J. MARIN

RELINQUISHED BY (Printed Name) JON MARIN (Signature) Jon R. Marin	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) Estwan Luján (Signature) E. Luján	Date/Time 2/4/10 08:46	RECEIVED BY (Printed Name) Sherri Shewood (Signature) Sherri Shewood	Date/Time 2/11/10 846



## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8189

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/10/2010		MEDIA:		QBT3	
TIME COLLECTED (HH:MM)		11:23		SUB-MEDIA:		TUFE1	
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:		HA	
LOCATION ID:	15-610817			FIELD QC TYPE:		NA	
LOCATION TYPE:	GENERIC			FIELD PREP:		NA	
TOP DEPTH:	0	49.0 ft		SAMPLE USAGE:		INV	
BOTTOM DEPTH:	0	50.0 ft		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	OK		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA			
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: -90°		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	ARM 2/10/10 20827-NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+ClO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

## SAMPLE DESC:

Light gray, non indurated, non welded, de vitrified, dry, ash flow tuff.

## SAMPLE COMMENTS:

NA

## LOCATION DESC:

7c-4

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 48 dpm  
Beta/Gamma = 2980 dpm

ARM 2/10/10  
PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$

COLLECTED BY (PRINT)

R. Saunders

REVIEWED BY (PRINT)

J. MARIN

RELINQUISHED BY (Printed Name) JON MARIN (Signature) Jon R. Marin	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) Estevan Lujan (Signature) E Lujan	Date/Time 2/10/10 08:48	RECEIVED BY (Printed Name) Sherri Newwood (Signature) Sherri Newwood	Date/Time 2/10/10 0848

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8190

WORK ORDER:

AS PLANNED		AS COLLECTED	AS PLANNED		AS COLLECTED
DATE COLLECTED(MM/DD/YYYY):		02/10/2010	MEDIA:		QBT3
TIME COLLECTED (HH:MM)		11:47	SUB-MEDIA:		TUFF 1
PRS ID:	15-007(c)	OK	SAMPLE TECH CODE:		HA
LOCATION ID:	15-610817	+	FIELD QC TYPE:		NA
LOCATION TYPE:	GENERIC	+	FIELD PREP:		NA
TOP DEPTH:	0	64.0 ft	SAMPLE USAGE:		INV
BOTTOM DEPTH:	0	65.0 ft	SCREEN/PORT DESC:		NA
FIELD MATRIX:	R	OK	EXCAVATED: YES/NO/NA		
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA	WATER FLOWING: YES/NO/NA		
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: -90°	BOREHOLE DIRECTION: NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+ClO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

## SAMPLE DESC:

Light gray non indurated, non welded, devitrified ash flow tuff

## SAMPLE COMMENTS:

NA

LOCATION DESC: 7c-4

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 72 dpm  
Beta/Gamma = 427 dpm

from 2/10/10  
PID Ambient Reading = ppm

## COLLECTED BY (PRINT)

R. Saunders

## REVIEWED BY (PRINT) J. MARIN

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) JON MARIN		(Printed Name) Sheri Sherwood	2/11/10
(Signature) Jon R. Marin		(Signature) Sheri Sherwood	847
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) Estevan Lujan	2/11/10	(Printed Name)	
(Signature) E. Lujan	08:47	(Signature)	

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8191

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/10/2010		MEDIA: QBT3		OK	
TIME COLLECTED (HH:MM)		12:12		SUB-MEDIA: TUFF 1		OK	
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE: HA		CB 5	
LOCATION ID:	15-610817	/		FIELD QC TYPE: NA		OK	
LOCATION TYPE:	GENERIC	/		FIELD PREP: NA		/	
TOP DEPTH:	0	79.0		SAMPLE USAGE: INV		/	
BOTTOM DEPTH:	0	80.0		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	OK		EXCAVATED: YES <input checked="" type="radio"/> NO <input type="radio"/> NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES <input checked="" type="radio"/> NO <input type="radio"/> NA			
BOREHOLE: YES <input checked="" type="radio"/> NO <input type="radio"/> NA		BOREHOLE DECLINATION: -90°		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	ARM 2/10/10 882+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1	/	H3	500 ML POLY	Ice	Y	
1	/	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	/	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

## SAMPLE DESC:

Light gray, non indurated, non welded, devitrified, dry, ash flow tuff.

## SAMPLE COMMENTS:

NA

LOCATION DESC: 7c-4

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 27 dpm  
Beta/Gamma = 2230 dpm

PID Ambient Reading = 1700 ppm  
2/10/10

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R. Saunders

REVIEWED BY (PRINT)

J. MARIN

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) JON MARIN		(Printed Name)	
(Signature) Jon R. Marin		(Signature)	
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) Estevan Luyin	2/11/10	(Printed Name) Sherrin Sherwood	2/11/10
(Signature) E. Luyin	08:47	(Signature) Sherrin Sherwood	0847

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8192

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/10/2010		MEDIA:	QBT3		OK
TIME COLLECTED (HH:MM)		12:47		SUB-MEDIA:	TUFF 1		OK
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:	HA		C135
LOCATION ID:	15-610817			FIELD QC TYPE:	NA		OK
LOCATION TYPE:	GENERIC			FIELD PREP:	NA		
TOP DEPTH:	0	94.0 ft		SAMPLE USAGE:	INV		
BOTTOM DEPTH:	0	95.0 ft		SCREEN/PORT DESC:			NA
FIELD MATRIX:	R	OK		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		WATER FLOWING: YES/NO/NA
BOREHOLE:	<input checked="" type="checkbox"/> YES/NO/NA	BOREHOLE DECLINATION:	-90°	BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	ARM 2/10/10 8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+ClO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

## SAMPLE DESC:

Light gray, non indurated, non welded, desiccated, dry, ash flow tuff

SAMPLE COMMENTS: NA

LOCATION DESC: 7c-4

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 24 dpm  
Beta/Gamma = 2210 dpm

PID Ambient Reading = 4RM 2/10/10 ppm

COLLECTED BY (PRINT)

R. Saunders

REVIEWED BY (PRINT)

J. MARIN

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) JON MARIN		(Printed Name)	
(Signature) Jon R. Marin		(Signature)	
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) Estevan Lujan	2/11/10	(Printed Name) Sheri Sherwood	2/11/10
(Signature) E. Lujan	08:49	(Signature) Sheri Sherwood	849

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8193

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/10/2010		MEDIA:		QBT3	
TIME COLLECTED (HH:MM)		13:15		SUB-MEDIA:		TUFF1	
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:		HA	
LOCATION ID:	15-610817			FIELD QC TYPE:		NA	
LOCATION TYPE:	GENERIC			FIELD PREP:		NA	
TOP DEPTH:	0	109.0 ft		SAMPLE USAGE:		INV	
BOTTOM DEPTH:	0	110.0 ft		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	OK		EXCAVATED: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		NA	
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		NA	
BOREHOLE: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> NA		BOREHOLE DECLINATION: -90°		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	2082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+ClO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

## SAMPLE DESC:

Light pinkish gray, nonindurated, non welded, de vitrified, dry, ash flow tuff.

## SAMPLE COMMENTS:

NA

LOCATION DESC: 7c-4

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 19 dpm  
Beta/Gamma = 2280 dpm

PID <sup>Ambient</sup> Reading = ppm

COLLECTED BY (PRINT)

R. Saunders

REVIEWED BY (PRINT)

J. Marin

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) JON MARIN		(Printed Name) Sherrill Sherwood	2/11/10
(Signature) Jon R. Marin		(Signature) Sherrill Sherwood	846
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) Estevan Lujan	2/11/10	(Printed Name)	
(Signature) E. Lujan	08:46	(Signature)	

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8194

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/10/2010		MEDIA:		QBT3	
TIME COLLECTED (HH:MM)		14:15		SUB-MEDIA:		TUFF L	
PRS ID: 15-007(c)		OK		SAMPLE TECH CODE: HA		OK	
LOCATION ID: 15-610817				FIELD QC TYPE: NA		OK	
LOCATION TYPE: GENERIC				FIELD PREP: NA			
TOP DEPTH: 0		124.0 ft		SAMPLE USAGE: INV			
BOTTOM DEPTH: 0		126.0 ft		SCREEN/PORT DESC:		NA	
FIELD MATRIX: R		OK		EXCAVATED: YES/NO/NA		NA	
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA		NA	
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: -20°		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	ARM 2/10/10 8882+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+ClO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

## SAMPLE DESC:

Medium grayish pink, moderately indurated, partially welded  
dehydrified, dry, ash flow tuff.

## SAMPLE COMMENTS:

NA

LOCATION DESC: 7c-4

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 38 dpm

Beta/Gamma = 2660 dpm

PID Ambient Reading

ppm

ARM 2/10/10  
2/10/10

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R. Saunders

REVIEWED BY (PRINT)

J. MARIN

RELINQUISHED BY (Printed Name) JON MARIN (Signature) Jon. Marin	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) Estwan Lujan (Signature) E. Lujan	Date/Time 2/11/10 08:46	RECEIVED BY (Printed Name) Sherin Sherwood (Signature) Sherin Sherwood	Date/Time 2/11/10 0846

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8195

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/10/2010		MEDIA:	QBT3		QBT2
TIME COLLECTED (HH:MM)		15:05		SUB-MEDIA:	TUFF 1		OK
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:	HA		CBS
LOCATION ID:	15-610817			FIELD QC TYPE:	NA		OK
LOCATION TYPE:	GENERIC			FIELD PREP:	NA		
TOP DEPTH:	0	139.0 ft		SAMPLE USAGE:	INV		
BOTTOM DEPTH:	0	140.0 ft		SCREEN/PORT DESC:			NA
FIELD MATRIX:	R	OK		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		
BOREHOLE: YES/NO/NA				BOREHOLE DECLINATION:	-90°		
				BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	ARM 2/10/10 8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+ClO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

## SAMPLE DESC:

Light reddish gray, strongly indurated, slightly welded, devitrified  
dry, ash flow tuff.

## SAMPLE COMMENTS:

NA

LOCATION DESC: 7c-4

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 19 dpm  
Beta/Gamma = 2350 dpm

PID  $\frac{\text{Ambient Reading}}{\text{ppm}}$

COLLECTED BY (PRINT)

R. Saunders

REVIEWED BY (PRINT)

J. MARIN

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) JON MARIN		(Printed Name)	
(Signature) Jon R. Marin		(Signature)	
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) Estwan Lujan	2/11/10	(Printed Name) Sherry Sherwood	2/11/10
(Signature) E Lujan	08:46	(Signature) Sherry Sherwood	846

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8196

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/10/2010		MEDIA:	QBT3		QBT2
TIME COLLECTED (HH:MM)		15:54		SUB-MEDIA:	TUFF 1		OK
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:	HA		CBS
LOCATION ID:	15-610817			FIELD QC TYPE:	NA		OK
LOCATION TYPE:	GENERIC			FIELD PREP:	NA		
TOP DEPTH:	0	156.0	136.0 ft + 11m	SAMPLE USAGE:	INV		
BOTTOM DEPTH:	0	157.5	137.5 ft + 11m	SCREEN/PORT DESC:			N/A
FIELD MATRIX:	R	OK		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		
BOREHOLE: YES/NO/NA				BOREHOLE DECLINATION:	-90°		
				BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	2082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+ClO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

## SAMPLE DESC:

Light pinkish gray, moderately indurated, slightly welded, devitrified, dry, ash flow tuff

SAMPLE COMMENTS:

NA

LOCATION DESC: 7c-4

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 24 dpm  
Beta/Gamma = 2410 dpm

PHD  $\frac{\text{Ambient Reading}}{\text{ppm}} = \text{ppm}$  11m 2/10/10

COLLECTED BY (PRINT)

R. Saunders

REVIEWED BY (PRINT)

J. MARIN

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) JON MARIN		(Printed Name)	
(Signature) Jon R. Marin		(Signature)	
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) Estuan Lujan	2/11/10	(Printed Name) Sherrish Sherwood	2/11/10
(Signature) E. Lujan	08:46	(Signature) Sherrish Sherwood	0846



## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8197

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/10/2010		MEDIA:		QBT3	
TIME COLLECTED (HH:MM)		16:30		SUB-MEDIA:		TUFF 1	
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:		HA	
LOCATION ID:	15-610817	+		FIELD QC TYPE:		NA	
LOCATION TYPE:	GENERIC	+		FIELD PREP:		NA	
TOP DEPTH:	0	171.5 ft		SAMPLE USAGE:		INV	
BOTTOM DEPTH:	0	172.5 ft		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	OK		EXCAVATED: YES/NO/NA		NO/NA	
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA		NO/NA	
BOREHOLE YES/NO/NA		BOREHOLE DECLINATION: -90°		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+ClO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Light gray, non indurated, non welded, devitrified, dry  
ash flow tuff

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c-4

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 38 dpm

Beta/Gamma = 322 dpm

PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$

COLLECTED BY (PRINT)

R. Saunders

REVIEWED BY (PRINT)

J. MARIN

RELINQUISHED BY (Printed Name) JON MARIN (Signature) Jon R. Marin	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) Estevan Lujan (Signature) E. Lujan	Date/Time 02/10/10 18:46	RECEIVED BY (Printed Name) Sherrif Newwood (Signature) Sherrif Newwood	Date/Time 02/11/10 0846

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8198

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/11/2010		MEDIA: QBT3		OK	
TIME COLLECTED(HH:MM)		14:45		SUB-MEDIA: TUFF 1		OK	
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE: HA		CBS	
LOCATION ID:	15-610818			FIELD QC TYPE: NA		OK	
LOCATION TYPE:	GENERIC			FIELD PREP: NA			
TOP DEPTH:	0	4.0 ft		SAMPLE USAGE: INV			
BOTTOM DEPTH:	0	5.0 ft		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	OK		EXCAVATED: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> NA			
BOREHOLE: <input checked="" type="checkbox"/> YES / NO / NA		BOREHOLE DECLINATION: -90°		BOREHOLE DIRECTION: N/A			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+ClO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

## SAMPLE DESC:

Light gray, non indurated, non welded, devitrified, ash flow tuff

## SAMPLE COMMENTS:

NA

## LOCATION DESC:

7c-27

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 14 dpm  
Beta/Gamma = 330 dpm

HE Spot test Negative

COLLECTED BY (PRINT)

J. MARIN

1 RM  
2/11/10  
PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$

REVIEWED BY (PRINT)

Riley WMS

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) JON MARIN	2/12/10	(Printed Name)	2/12/10
(Signature) Jon R. Marin	07:50	(Signature)	7:50
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name)		(Printed Name)	
(Signature)		(Signature)	

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8199

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/11/2010		MEDIA:		QBT3	
TIME COLLECTED(HH:MM)		15:05		SUB-MEDIA:		TUFF 1	
PRS ID: 15-007(c)		OK		SAMPLE TECH CODE:		HA	
LOCATION ID: 15-610818				FIELD QC TYPE:		NA	
LOCATION TYPE: GENERIC				FIELD PREP:		NA	
TOP DEPTH: 0		19.0 ft		SAMPLE USAGE:		INV	
BOTTOM DEPTH: 0		20.0 ft		SCREEN/PORT DESC:		NA	
FIELD MATRIX: R		OK		EXCAVATED: YES/NO/NA		NO/NA	
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA		NO/NA	
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: -90°		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	922/11/10 8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+CIO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

light gray nonindurated nonwelded, devitrified, dry, ash flow tuff

SAMPLE COMMENTS: NA

LOCATION DESC: 7c-27

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 28 dpm  
Beta/Gamma = 212 dpm

PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$

COLLECTED BY (PRINT)

REVIEWED BY (PRINT) J. MARIN

D. Byers

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) JON MARIN	2/12/10	(Printed Name)	2/12/10
(Signature) Jon R. Marin	07:50	(Signature)	7:50
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name)		(Printed Name)	
(Signature)		(Signature)	

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8200

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/11/2010		MEDIA:		QBT3	
TIME COLLECTED(HH:MM)		15:35		SUB-MEDIA:		TUFF 1	
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:		HA	
LOCATION ID:	15-610818			FIELD QC TYPE:		NA	
LOCATION TYPE:	GENFRIC			FIELD PREP:		NA	
TOP DEPTH:	0	34.0 ft		SAMPLE USAGE:		INV	
BOTTOM DEPTH:	0	35.0 ft		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	OK		EXCAVATED: YES/NO/NA		NA	
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA		NA	
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: 1502-17-10		BOREHOLE DIRECTION: NA		NA	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	1 RM 2/11/10 8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+ClO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

## SAMPLE DESC:

LF 1 RM 2/11/10 Light brownish gray, non indurated, nonwelded, devitrified, dig, ash flow tuff.

## SAMPLE COMMENTS:

NA

LOCATION DESC: 7c-27

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 9 dpm  
Beta/Gamma = 240 dpm

PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$

COLLECTED BY (PRINT)

D. Byers

REVIEWED BY (PRINT)

J. MAIN

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) Jon MAIN	2/12/10	(Printed Name) [Signature]	2/12/10
(Signature) Jon R. Main	07:50	(Signature)	7:50
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name)		(Printed Name)	
(Signature)		(Signature)	

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8201

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/11/2010		MEDIA:		OBT3	
TIME COLLECTED (HH:MM)		16:00		SUB-MEDIA:		TUFF 1	
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:		HA	
LOCATION ID:	15-610818			FIELD QC TYPE:		NA	
LOCATION TYPE:	GENERIC			FIELD PREP:		NA	
TOP DEPTH:	0	49.0 ft		SAMPLE USAGE:		INV	
BOTTOM DEPTH:	0	50.0 ft		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	OK		EXCAVATED: YES (NO) NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES (NO) NA			
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: -90°		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+ClO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

## SAMPLE DESC:

Light brownish gray, nonindurated, nonwelded, dehydrified, dry, ash flow tuff

SAMPLE COMMENTS: NA

LOCATION DESC: 7c-27

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 24 dpm  
Beta/Gamma = 215 dpm

12m  
2/11/10  
PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$

COLLECTED BY (PRINT)

REVIEWED BY (PRINT)

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) JON MARIN	2/12/10	(Printed Name) [Signature]	2/12/10
(Signature) [Signature]	08:02	(Signature)	5:00
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name)		(Printed Name)	
(Signature)		(Signature)	

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8202

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/12/2010	2112/10	MEDIA:	QBT3		OK
TIME COLLECTED (HH:MM)		08:35		SUB-MEDIA:	TUFF 1		OK
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:	HA		CBS
LOCATION ID:	15-610818			FIELD QC TYPE:	NA		
LOCATION TYPE:	GENERIC			FIELD PREP:	NA		
TOP DEPTH:	0	63.5		SAMPLE USAGE:	INV		
BOTTOM DEPTH:	0	65.0		SCREEN/PORT DESC:			NA
FIELD MATRIX:	R	OK		EXCAVATED: YES (NO) NA			
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		
BOREHOLE: YES (NO) NA				BOREHOLE DECLINATION:	-90°		
				BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice		
1		Metals+ClO4+CN	500 ML POLY	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC:

Light gray, non indurated, non welded, devitrified, dry ash flow tuff

SAMPLE COMMENTS: NA

LOCATION DESC: 7c-27

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 19 dpm

Beta/Gamma = 420 dpm

1RM 2/12/10

PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$

COLLECTED BY (PRINT)

R. Saunders

REVIEWED BY (PRINT)

J. Martin

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) JON MARIN	2/12/10	(Printed Name) J. MARIN	2/12/10
(Signature) Jon R. Marin	1646	(Signature) [Signature]	1646
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name)		(Printed Name)	
(Signature)		(Signature)	

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8203

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/12/2010		MEDIA:		QBT3	
TIME COLLECTED (HH:MM)		09:00		SUB-MEDIA:		TUFF 1	
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:		HA	
LOCATION ID:	15-610818			FIELD QC TYPE:		NA	
LOCATION TYPE:	GENERIC			FIELD PREP:		NA	
TOP DEPTH:	0	79.0 ft		SAMPLE USAGE:		INV	
BOTTOM DEPTH:	0	80.0 ft		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	OK		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA		NO	
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: -90°		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice		
1		Metals+ClO4+CN	500 ML POLY	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC:

Light gray, nonindurated, non welded, devitrified, dry, ash flow tuff

SAMPLE COMMENTS: NA

LOCATION DESC: 7c-27

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 22 dpm  
Beta/Gamma = 282 dpm

PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$

COLLECTED BY (PRINT)

R. Saunders

REVIEWED BY (PRINT) J. Marin

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) JON MARIN	02/12/10	(Printed Name) G. MARIN	2/12/10
(Signature) J. R. Marin	1646	(Signature) [Signature]	1646
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name)		(Printed Name)	
(Signature)		(Signature)	

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8204

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/12/2010		MEDIA: QBT3		OK	
TIME COLLECTED (HH:MM)		09:28.5		SUB-MEDIA: TUFF 1		OK	
PRS ID:	15-007(c)	OK	2/12/10	SAMPLE TECH CODE: HA		CBS	
LOCATION ID:	15-610818			FIELD QC TYPE: NA		OK	
LOCATION TYPE:	GENERIC			FIELD PREP: NA			
TOP DEPTH:	0	94.0 ft		SAMPLE USAGE: INV			
BOTTOM DEPTH:	0	95.0 ft		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	OK		EXCAVATED: YES <input checked="" type="radio"/> NO <input type="radio"/> NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES <input checked="" type="radio"/> NO <input type="radio"/> NA			
BOREHOLE: <input checked="" type="radio"/> YES / NO / NA		BOREHOLE DECLINATION: -90°		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	PRM 2/12/10 8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+ClO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

## SAMPLE DESC:

Light gray, non indurated, non welded, devitrified, dry, ash flow tuff

## SAMPLE COMMENTS:

NA

LOCATION DESC: 7c-27

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 6.5 dpm

Beta/Gamma = 257 dpm

PRM 2/12/10

PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$

COLLECTED BY (PRINT)

R. Soumdero

REVIEWED BY (PRINT)

J. Marin

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) JON MARIN	2/12/10	(Printed Name) S. MARCZAY	2/12/10
(Signature) Jon R. Marin	1646	(Signature) [Signature]	1646
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name)		(Printed Name)	
(Signature)		(Signature)	



**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8205

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/12/2010		MEDIA:		QBT3	
TIME COLLECTED (HH:MM)		09:55		SUB-MEDIA:		TUFF 1	
PRS ID: 15-007(c)		OK		SAMPLE TECH CODE: HA		CRS	
LOCATION ID: 15-610818				FIELD QC TYPE: NA		OK	
LOCATION TYPE: GENERIC				FIELD PREP: NA			
TOP DEPTH: 0		109.0		SAMPLE USAGE: INV			
BOTTOM DEPTH: 0		110.0		SCREEN/PORT DESC:		NA	
FIELD MATRIX: R		OK		EXCAVATED: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> NA			
BOREHOLE: <input checked="" type="checkbox"/> YES / NO / NA		BOREHOLE DECLINATION: -90°		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	RAM 2/12/10 8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+CIO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

## SAMPLE DESC:

Light brownish gray, non indurated, non welded, dehydrified, dry,  
ash flow tuff

## SAMPLE COMMENTS:

NA

LOCATION DESC: 7c-27

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = <sup>4.5</sup>29 dpm  
Beta/Gamma = <sup>RAM 2/12/10</sup>258 dpm

PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$

COLLECTED BY (PRINT)

R. Saunders

REVIEWED BY (PRINT)

J. Marin

RELINQUISHED BY (Printed Name) JON MARIN (Signature) J. R. Marin	Date/Time 02/12/10 16:46	RECEIVED BY (Printed Name) S. MARCZY (Signature) [Signature]	Date/Time 2/12/10 16:46
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8206

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/12/2010		MEDIA: QBT3		QBT2	
TIME COLLECTED (HH:MM)		10:25		SUB-MEDIA: TUFF 1		OK	
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE: HA		CBS	
LOCATION ID:	15-610818			FIELD QC TYPE: NA		OK	
LOCATION TYPE:	GENERIC			FIELD PREP: NA			
TOP DEPTH:	0	124.0 ft		SAMPLE USAGE: INV			
BOTTOM DEPTH:	0	130.0 ft		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	OK		EXCAVATED: YES/NO NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO NA			
BOREHOLE YES/NO/NA		BOREHOLE DECLINATION: -90°		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	2082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+ClO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

## SAMPLE DESC:

Light reddish gray, moderately indurated, moderately welded, devitrified, dry, ash flow tuff.

## SAMPLE COMMENTS:

3 runs to collect enough material to sample

## LOCATION DESC:

7c-27

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 268 dpm  
Beta/Gamma = 280 dpm

PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$

## COLLECTED BY (PRINT)

R. Saunders

## REVIEWED BY (PRINT)

J. Marin

RELINQUISHED BY (Printed Name) JON MARIN (Signature) J. Marin	Date/Time 2/12/10 1646	RECEIVED BY (Printed Name) S. MAJID (Signature) S. Majid	Date/Time 2/12/10 1646
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8207

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/12/2010		MEDIA:		QBT3	
TIME COLLECTED (HH:MM)		11:46		SUB-MEDIA:		TUFF 1	
PRS ID: 15-007(c)		OK		SAMPLE TECH CODE: HA		CB5	
LOCATION ID: 15-610818				FIELD QC TYPE: NA		OK	
LOCATION TYPE: GENERIC				FIELD PREP: NA			
TOP DEPTH: 0		139.0 ft		SAMPLE USAGE: INV			
BOTTOM DEPTH: 0		140.0 ft		SCREEN/PORT DESC:		NA	
FIELD MATRIX: R		OK		EXCAVATED: YES NO/NA		NO	
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES NO/NA		NO	
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: -90°		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	1 KM 2/12/10 8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+ClO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Light reddish brown, moderately indurate, slightly welded, devitrified, dry ash flow tuff

SAMPLE COMMENTS: NA

LOCATION DESC: 7c-27

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 59 dpm  
Beta/Gamma = 640 dpm

PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$

COLLECTED BY (PRINT)

REVIEWED BY (PRINT) J. MARIN

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) JON MARIN	2/12/10	(Printed Name) S. MARIN	2/12/10
(Signature) Jon R. Marin	1646	(Signature) [Signature]	1646
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name)		(Printed Name)	
(Signature)		(Signature)	

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8208

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/12/2010		MEDIA:	QBT3	2/12/10	QBT2 QBT2
TIME COLLECTED (HH:MM)		12:25		SUB-MEDIA:	TUFF 1		OK
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:	HA		CBS
LOCATION ID:	15-610818			FIELD QC TYPE:	NA		OK
LOCATION TYPE:	GENERIC			FIELD PREP:	NA		
TOP DEPTH:	0	154.0		SAMPLE USAGE:	INV		
BOTTOM DEPTH:	0	155.0		SCREEN/PORT DESC:			NA
FIELD MATRIX:	R	OK		EXCAVATED: YES	NO/NA		
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		WATER FLOWING: YES/NO/NA
BOREHOLE: YES/NO/NA	NO/NA			BOREHOLE DECLINATION:	-90°		BOREHOLE DIRECTION: NA

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+ClO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

Light brownish gray, slightly indurated, non welded, devitrified, dry  
ark flow tuff

SAMPLE COMMENTS: NA

LOCATION DESC: 7c-27

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 32 dpm  
Beta/Gamma = 275 dpm

2/12/10  
PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$

COLLECTED BY (PRINT)

REVIEWED BY (PRINT) J. MARIN

R. Saunders

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) JON MARIN	2/12/10	(Printed Name) S. MARIN	2/12/10
(Signature) Jon R. Marin	16:46	(Signature)	1646
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name)		(Printed Name)	
(Signature)		(Signature)	

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8209

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/12/2010		MEDIA:		QBT3	
TIME COLLECTED (HH:MM)		13:15		SUB-MEDIA:		TUFF 1	
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:		HA	
LOCATION ID:	15-610818	1		FIELD QC TYPE:		NA	
LOCATION TYPE:	GENERIC	1		FIELD PREP:		NA	
TOP DEPTH:	0	169.0		SAMPLE USAGE:		INV	
BOTTOM DEPTH:	0	170.0		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	OK		EXCAVATED: YES (NO) NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO NA			
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: -90°		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	IRM 2/12/10 8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+ClO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC:

slightly  
Light gray, ~~stony~~ indurated, non welded, devitrified, dry, ash flow tuff  
IRM 2/12/10

SAMPLE COMMENTS: NA

LOCATION DESC: 7c-27

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 5.9 dpm

Beta/Gamma = 275 dpm

IRM 2/12/10  
PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$

COLLECTED BY (PRINT)

R. Samuels

REVIEWED BY (PRINT)

J. MARIN

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) JON MARIN	2/12/10	(Printed Name) S. MARCZAK	2/12/10
(Signature) Jon R. Marin	1646	(Signature) [Signature]	1646
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name)		(Printed Name)	
(Signature)		(Signature)	

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8210

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/05/2010		MEDIA:	QBT3		QBT1
TIME COLLECTED (HH:MM)		14:50		SUB-MEDIA:	TUFF1		OK
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:	HA		CBS
LOCATION ID:	UNK	15-610816		FIELD QC TYPE:	NA		OK
LOCATION TYPE:	GENERIC	OK		FIELD PREP:	NA		1
TOP DEPTH:	0	181.5 ft		SAMPLE USAGE:	INV		
BOTTOM DEPTH:	0	182.5 ft		SCREEN/PORT DESC:	NA		
FIELD MATRIX:	R	OK		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		WATER FLOWING: YES/NO/NA
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION:	-90°	BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+ClO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

## SAMPLE DESC:

Light brownish gray, slightly indurated, non welded, deirtrified  
dry, ash flow tuff

## SAMPLE COMMENTS:

ATA 1cm 2/5/10 Sample contains 1.0 cm thick clay fracture fill

## LOCATION DESC:

7e-1

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 2.4 dpm  
Beta/Gamma = 1377 dpm

PID  $\frac{\text{Ambient}}{\text{Reading}} \frac{\text{C}}{\text{O}}$  ppm

COLLECTED BY (PRINT)

L. Lopez

REVIEWED BY (PRINT)

J. Marin

RELINQUISHED BY (Printed Name) A. Goumas (Signature) <i>A. Goumas</i>	Date/Time 2.5.10 1625	RECEIVED BY (Printed Name) Sherrishenwood (Signature) <i>Sherrishenwood</i>	Date/Time 2/5/10 1625
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8211

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/10/2010		MEDIA:		QBT3	
TIME COLLECTED (HH:MM)		16:48		SUB-MEDIA:		TUFF 1	
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:		HA	
LOCATION ID:	UNK	15-610817		FIELD QC TYPE:		NA	
LOCATION TYPE:	GENERIC	OK		FIELD PREP:		NA	
TOP DEPTH:	0	181.5 ft		SAMPLE USAGE:		INV	
BOTTOM DEPTH:	0	182.5 ft		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	OK		EXCAVATED: YES/NO/NA		NA	
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA		NO	
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: -90°		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+CIO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

## SAMPLE DESC:

Light gray, non indurated, non welded, devitrified, dry, ash flow tuff

## SAMPLE COMMENTS:

NA

LOCATION DESC: 7c-4

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 28 dpm

Beta/Gamma = 223 dpm

from 2/10/10

PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$

COLLECTED BY (PRINT)

R. Saunders

REVIEWED BY (PRINT)

JON MARIN

RELINQUISHED BY (Printed Name) JON MARIN (Signature) Jon R. Marin	Date/Time 2/1	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) Estwan Lujan (Signature) E Lujan	Date/Time 2/11/10 08:42	RECEIVED BY (Printed Name) Sherrif Sherwood (Signature) Sherrif Sherwood	Date/Time 2/11/10 842

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8212

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/12/2010		MEDIA:		QBT3	
TIME COLLECTED (HH:MM)		13:50		SUB-MEDIA:		TUFF 1	
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:		HA	
LOCATION ID:	UNK	15-610818		FIELD QC TYPE:		NA	
LOCATION TYPE:	GENERIC	OK		FIELD PREP:		NA	
TOP DEPTH:	0	180.0 ft		SAMPLE USAGE:		INV	
BOTTOM DEPTH:	0	182.5 ft		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	OK		EXCAVATED: YES <input checked="" type="radio"/> NO <input type="radio"/>			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES <input checked="" type="radio"/> NO <input type="radio"/>			
BOREHOLE: <input checked="" type="radio"/> YES / NO / NA		BOREHOLE DECLINATION: -90°		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+CIO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

## SAMPLE DESC:

Light gray, non indurated, non welded, devitrified, dry, ash flow tuff

SAMPLE COMMENTS: NA

LOCATION DESC: 7c-27

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 71 dpm  
Beta/Gamma = 264 dpm

1RM 2/12/10  
PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$

COLLECTED BY (PRINT)

B. Saunders

REVIEWED BY (PRINT)

J. MARIN

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) DON MARIN	2/12/10	S. MARCZAK	2/12/10
(Signature) J. R. Marin	16:46	(Signature) [Signature]	16:46
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name)		(Printed Name)	
(Signature)		(Signature)	



**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8213

WORK ORDER:

<u>AS PLANNED</u>		<u>AS COLLECTED</u>	<u>AS PLANNED</u>		<u>AS COLLECTED</u>
DATE COLLECTED(MM/DD/YYYY):			MEDIA:	QBT3	
TIME COLLECTED (HH:MM)			SUB-MEDIA:	TUFF 1	
PRS ID:	15-007(c)		SAMPLE TECH CODE:	HA	
LOCATION ID:	UNK		FIELD QC TYPE:	NA	
LOCATION TYPE:	GENERIC		FIELD PREP:	NA	
TOP DEPTH:	0		SAMPLE USAGE:	INV	
BOTTOM DEPTH:	0		SCREEN/PORT DESC:		
FIELD MATRIX:	R		EXCAVATED: YES/NO/NA		
COMPOSITE TYPE: _____		COMPOSITE TIME INTERVAL: _____	WATER FLOWING: YES/NO/NA		
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: _____	BOREHOLE DIRECTION: _____		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1		8082+NMED-HEXP	250 ML AMBER GLASS	Ice		
1		H3	500 ML POLY	Ice		
1		Metals+ClO4+CN	500 ML POLY	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC:

SAMPLE COMMENTS:

LOCATION DESC:

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = \_\_\_\_\_ dpm

Beta/Gamma = \_\_\_\_\_ dpm

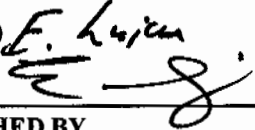
PID  $\frac{\text{Ambient Reading}}{\text{Reading}}$  = ppm

COLLECTED BY (PRINT)

T. L. McFarlane

REVIEWED BY (PRINT)

Larry A. Lopez

RELINQUISHED BY (Printed Name) F. Lopez (Signature) 	Date/Time 2/16/10 08:30 AM	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8214

WORK ORDER:

<u>AS PLANNED</u>	<u>AS COLLECTED</u>	<u>AS PLANNED</u>	<u>AS COLLECTED</u>
DATE COLLECTED(MM/DD/YYYY):		MEDIA: QBT3	
TIME COLLECTED(HH:MM)		SUB-MEDIA: TUFF 1	
PRS ID: 15-007(c)		SAMPLE TECH CODE: HA	
LOCATION ID: UNK		FIELD QC TYPE: NA	
LOCATION TYPE: GENERIC		FIELD PREP: NA	
TOP DEPTH: 0		SAMPLE USAGE: INV	
BOTTOM DEPTH: 0		SCREEN/PORT DESC:	
FIELD MATRIX: R		EXCAVATED: YES/NO/NA	
COMPOSITE TYPE:	COMPOSITE TIME INTERVAL:	WATER FLOWING: YES/NO/NA	
BOREHOLE: YES/NO/NA	BOREHOLE DECLINATION:	BOREHOLE DIRECTION:	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1		8082+NMED-HEXP	250 ML AMBER GLASS	Ice		
1		H3	500 ML POLY	Ice		
1		Metals+ClO4+CN	500 ML POLY	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC:

SAMPLE COMMENTS:

LOCATION DESC:

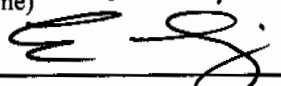
FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = \_\_\_\_\_ dpm  
Beta/Gamma = \_\_\_\_\_ dpm

PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$

COLLECTED BY (PRINT)

REVIEWED BY (PRINT)

RELINQUISHED BY (Printed Name) E. Lopez (Signature) 	Date/Time 2/16/10 0830 AM	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8215

WORK ORDER:

AS PLANNED	AS COLLECTED	AS PLANNED	AS COLLECTED
DATE COLLECTED(MM/DD/YYYY):		MEDIA: QBT3	
TIME COLLECTED(HH:MM)		SUB-MEDIA: TUFF 1	
PRS ID: 15-007(c)		SAMPLE TECH CODE: HA	
LOCATION ID: UNK		FIELD QC TYPE: NA	
LOCATION TYPE: GENERIC		FIELD PREP: NA	
TOP DEPTH: 0		SAMPLE USAGE: INV	
BOTTOM DEPTH: 0		SCREEN/PORT DESC:	
FIELD MATRIX: R		EXCAVATED: YES/NO/NA	
COMPOSITE TYPE:	COMPOSITE TIME INTERVAL:	WATER FLOWING: YES/NO/NA	
BOREHOLE: YES/NO/NA	BOREHOLE DECLINATION:	BOREHOLE DIRECTION:	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1		8082+NMED-HEXP	250 ML AMBER GLASS	Ice		
1		H3	500 ML POLY	Ice		
1		Metals+ClO4+CN	500 ML POLY	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC:

SAMPLE COMMENTS:

LOCATION DESC:

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = \_\_\_\_\_ dpm  
Beta/Gamma = \_\_\_\_\_ dpm

PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$

COLLECTED BY (PRINT)

J L McFarland

REVIEWED BY (PRINT)

Larry A. Lopez

RELINQUISHED BY (Printed Name) E. Lujan (Signature) <i>E. Lujan</i>	Date/Time 2/16/10 0830 AM	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8216

WORK ORDER:

AS PLANNED	AS COLLECTED	AS PLANNED	AS COLLECTED
DATE COLLECTED(MM/DD/YYYY):		MEDIA:	QBT3
TIME COLLECTED (HH:MM)		SUB-MEDIA:	TUFF 1
PRS ID: 15-007(c)		SAMPLE TECH CODE:	HA
LOCATION ID: UNK		FIELD QC TYPE:	NA
LOCATION TYPE: GENERIC		FIELD PREP:	NA
TOP DEPTH: 0		SAMPLE USAGE:	INV
BOTTOM DEPTH: 0		SCREEN/PORT DESC:	
FIELD MATRIX: R		EXCAVATED: YES/NO/NA	
COMPOSITE TYPE:		COMPOSITE TIME INTERVAL:	
		WATER FLOWING: YES/NO/NA	
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION:	
		BOREHOLE DIRECTION:	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1		8082+NMED-HEXP	250 ML AMBER GLASS	Ice		
1		H3	500 ML POLY	Ice		
1		Metals+CIO4+CN	500 ML POLY	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC:

SAMPLE COMMENTS:

LOCATION DESC:

FIELD SCREENING/MEASUREMENT RESULTS:

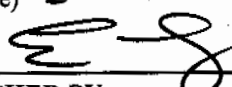
PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$ Alpha = \_\_\_\_\_ dpm  
Beta/Gamma = \_\_\_\_\_ dpm

COLLECTED BY (PRINT)

Th McFarland

REVIEWED BY (PRINT)

Larry A. Lopez

RELINQUISHED BY (Printed Name) E. Lopez (Signature) 	Date/Time 2/16/10 0830 AM	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8217

WORK ORDER:

AS PLANNED	AS COLLECTED	AS PLANNED	AS COLLECTED
DATE COLLECTED(MM/DD/YYYY):		MEDIA: QBT3	
TIME COLLECTED (HH:MM)		SUB-MEDIA: TUFF 1	
PRS ID: 15-007(c)		SAMPLE TECH CODE: HA	
LOCATION ID: UNK		FIELD QC TYPE: NA	
LOCATION TYPE: GENERIC		FIELD PREP: NA	
TOP DEPTH: 0		SAMPLE USAGE: INV	
BOTTOM DEPTH: 0		SCREEN/PORT DESC:	
FIELD MATRIX: R		EXCAVATED: YES/NO/NA	
COMPOSITE TYPE:	COMPOSITE TIME INTERVAL:	WATER FLOWING: YES/NO/NA	
BOREHOLE: YES/NO/NA	BOREHOLE DECLINATION:	BOREHOLE DIRECTION:	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1		8082+NMED-HEXP	250 ML AMBER GLASS	Ice		
1		H3	500 ML POLY	Ice		
1		Metals+ClO4+CN	500 ML POLY	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC:

SAMPLE COMMENTS:

LOCATION DESC:

FIELD SCREENING/MEASUREMENT RESULTS:

PID  $\frac{\text{Ambient Reading}}{\text{}} = \text{ppm}$ Alpha = \_\_\_\_\_ dpm  
Beta/Gamma = \_\_\_\_\_ dpm

COLLECTED BY (PRINT)

TL McFarland

REVIEWED BY (PRINT)

Lazary A. Lopez

RELINQUISHED BY (Printed Name) E. Lopez (Signature) <i>E. Lopez</i>	Date/Time 2/16/10 0830 AM	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8218

WORK ORDER:

AS PLANNED	AS COLLECTED	AS PLANNED	AS COLLECTED
DATE COLLECTED(MM/DD/YYYY):		MEDIA:	QBT3
TIME COLLECTED(HH:MM)		SUB-MEDIA:	TUFF 1
PRS ID: 15-007(c)		SAMPLE TECH CODE:	HA
LOCATION ID: UNK		FIELD QC TYPE:	NA
LOCATION TYPE: GENERIC		FIELD PREP:	NA
TOP DEPTH: 0		SAMPLE USAGE:	INV
BOTTOM DEPTH: 0		SCREEN/PORT DESC:	
FIELD MATRIX: R		EXCAVATED: YES/NO/NA	
COMPOSITE TYPE:	COMPOSITE TIME INTERVAL:	WATER FLOWING: YES/NO/NA	
BOREHOLE: YES/NO/NA	BOREHOLE DECLINATION:	BOREHOLE DIRECTION:	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1		8082+NMED-HEXP	250 ML AMBER GLASS	Ice		
1		H3	500 ML POLY	Ice		
1		Metals+ClO4+CN	500 ML POLY	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC:

SAMPLE COMMENTS:

LOCATION DESC:

FIELD SCREENING/MEASUREMENT RESULTS:

PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$ Alpha = \_\_\_\_\_ dpm  
Beta/Gamma = \_\_\_\_\_ dpm

COLLECTED BY (PRINT)

Th McFarland

REVIEWED BY (PRINT)

Larry A. Lopez

RELINQUISHED BY (Printed Name) E. Lujan (Signature) <i>E. Lujan</i>	Date/Time 2/16/10 0830 AM	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8219

WORK ORDER:

<u>AS PLANNED</u>		<u>AS COLLECTED</u>	<u>AS PLANNED</u>		<u>AS COLLECTED</u>
DATE COLLECTED(MM/DD/YYYY):			MEDIA: QBT3		
TIME COLLECTED (HH:MM)			SUB-MEDIA: TUFF 1		
PRS ID: 15-007(c)			SAMPLE TECH CODE: HA		
LOCATION ID: UNK			FIELD QC TYPE: NA		
LOCATION TYPE: GENERIC			FIELD PREP: NA		
TOP DEPTH: 0			SAMPLE USAGE: INV		
BOTTOM DEPTH: 0			SCREEN/PORT DESC:		
FIELD MATRIX: R			EXCAVATED: YES/NO/NA		
COMPOSITE TYPE:			COMPOSITE TIME INTERVAL:		
			WATER FLOWING: YES/NO/NA		
BOREHOLE: YES/NO/NA			BOREHOLE DECLINATION:		
			BOREHOLE DIRECTION:		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1		8082+NMED-HEXP	250 ML AMBER GLASS	Ice		
1		H3	500 ML POLY	Ice		
1		Metals+ClO4+CN	500 ML POLY	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC:

SAMPLE COMMENTS:

LOCATION DESC:

FIELD SCREENING/MEASUREMENT RESULTS:

PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$ Alpha = \_\_\_\_\_ dpm  
Beta/Gamma = \_\_\_\_\_ dpm

COLLECTED BY (PRINT)

TLMc Farland

REVIEWED BY (PRINT)

Larry A. Lopez

RELINQUISHED BY E. Lopez (Printed Name) (Signature) <i>E. Lopez</i>	Date/Time 02/16/10 0830AM	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8220

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA: QBT3		ok	
TIME COLLECTED(HH:MM)		1036		SUB-MEDIA: TUFF 1		↓	
PRS ID: 15-007(c)		ok		SAMPLE TECH CODE: HA		ok	
LOCATION ID: UNK		15-610798		FIELD QC TYPE: ED		↓	
LOCATION TYPE: GENERIC		ok		FIELD PREP: NA		↓	
TOP DEPTH: 0		1.0		SAMPLE USAGE: QC		↓	
BOTTOM DEPTH: 0		2.0		SCREEN/PORT DESC:		NA	
FIELD MATRIX: R		R		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA			
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	73M 1/29/10 8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1	↓	H3	500 ML POLY	Ice	N	
1	↓	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC: QC Sample of RE15-10-8139

Gray tuff and brownish weathered tuff

SAMPLE COMMENTS:

Tuff interface at 0.5 ft

LOCATION DESC:

7C-2

FIELD SCREENING/MEASUREMENT RESULTS:

PID  $\frac{\text{Ambient Reading}}{0.0} = \frac{0.0}{0.0}$  ppmAlpha  $\leq$  272 dpmBeta/Gamma  $\leq$  1444 dpm

COLLECTED BY (PRINT)

TLMCFarlane

REVIEWED BY (PRINT)

A. Goumas

RELINQUISHED BY (Printed Name) A. Goumas (Signature) <i>A. Goumas</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARCZYK (Signature) <i>S. Marczyk</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time



## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8221

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA: QBT3		Allh	
TIME COLLECTED (HH:MM)		1129		SUB-MEDIA: TUFF 1		NA	
PRS ID: 15-007(c)		OK		SAMPLE TECH CODE: HA		OK	
LOCATION ID: UNK		15-610803		FIELD QC TYPE: ED		↓	
LOCATION TYPE: GENERIC		OK		FIELD PREP: NA			
TOP DEPTH: 0		1.0		SAMPLE USAGE: QC			
BOTTOM DEPTH: 0		2.1		SCREEN/PORT DESC:		NA	
FIELD MATRIX: R		S		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA			
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	73m 1/29/10 8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	N	
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	L	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC: QC Sample of RE15-10 - 8149

Brown sandy silt

SAMPLE COMMENTS:

NA

LOCATION DESC: 7c - 25

FIELD SCREENING/MEASUREMENT RESULTS:

PID  $\frac{\text{Ambient}}{\text{Reading}} = \frac{0.0}{0.2} \text{ ppm}$ Alpha  $\leq 11 \text{ dpm}$   
Beta/Gamma  $\leq 1748 \text{ dpm}$ 

COLLECTED BY (PRINT)

Th McFarlane

REVIEWED BY (PRINT)

A. Gouma

RELINQUISHED BY (Printed Name) A. Gouma (Signature) <i>A. Gouma</i>	Date/Time 1/29/10 1540	RECEIVED BY S. MAROZAY (Printed Name) (Signature) <i>S. Marozay</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8222

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA: QBT3		Allh	
TIME COLLECTED(HH:MM)		1146		SUB-MEDIA: TUFF 1		NA	
PRS ID: 15-007(c)		OK		SAMPLE TECH CODE: HA		OK	
LOCATION ID: UNK		15-610794		FIELD QC TYPE: ED		↓	
LOCATION TYPE: GENERIC		OK		FIELD PREP: NA		↓	
TOP DEPTH: 0		0.0		SAMPLE USAGE: QC		↓	
BOTTOM DEPTH: 0		0.5		SCREEN/PORT DESC:		NA	
FIELD MATRIX: B		S		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA			
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	N	
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC: QC Sample of RE 15-10-8130

Brown moist silty clay

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c-19

FIELD SCREENING/MEASUREMENT RESULTS:

HE negative

PID  $\frac{\text{Ambient Reading}}{0.1} = \frac{0.0}{0.1} \text{ ppm}$

Alpha  $\leq 27$  dpm  
Beta/Gamma  $\leq 1762$  dpm

COLLECTED BY (PRINT)

Th McFarland

REVIEWED BY (PRINT) A. Goumas

RELINQUISHED BY (Printed Name) A. Goumas (Signature)	Date/Time 1/29/10 1540	RECEIVED BY S. MARCZYK (Printed Name) (Signature)	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8223

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA: QBT3		A114	
TIME COLLECTED (HH:MM)		1348		SUB-MEDIA: TUFF 1		NA	
PRS ID: 15-007(c)		OK		SAMPLE TECH CODE: HA		OK	
LOCATION ID: UNK		15-610811		FIELD QC TYPE: ED		↓	
LOCATION TYPE: GENERIC		OK		FIELD PREP: NA			
TOP DEPTH: 0		0.0		SAMPLE USAGE: QC			
BOTTOM DEPTH: 0		0.5		SCREEN/PORT DESC:		NA	
FIELD MATRIX: R		S		EXCAVATED: YES/NO NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO NA			
BOREHOLE: YES/NO NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	729/29/10 8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	N	
1	Normal	Metals+CIO4+CN	500 ML POLY	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC: QC Sample of RE 15-10-8164

Brown silty sand, some rocks, moist

SAMPLE COMMENTS:

NA

LOCATION DESC: 7c-24

FIELD SCREENING/MEASUREMENT RESULTS:

PID  $\frac{\text{Ambient Reading}}{0.0} = 0.0$  ppmAlpha  $\pm 11$  dpm  
Beta/Gamma  $\pm 1783$  dpm

COLLECTED BY (PRINT)

T. McFarlane

REVIEWED BY (PRINT)

Larry A. Lopez

RELINQUISHED BY (Printed Name) A. Gomez (Signature) <i>A. Gomez</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARCAY (Signature) <i>SM</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8224

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA: QBT3		A11h	
TIME COLLECTED (HH:MM)		1414		SUB-MEDIA: TUFF 1		NA	
PRS ID: 15-007(c)		OK		SAMPLE TECH CODE: HA		OK	
LOCATION ID: UNK		15-6108/4		FIELD QC TYPE: ED		↓	
LOCATION TYPE: GENERIC		OK		FIELD PREP: NA			
TOP DEPTH: 0		0.0		SAMPLE USAGE: QC			
BOTTOM DEPTH: 0		0.5		SCREEN/PORT DESC:		NA	
FIELD MATRIX: R		S		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA			
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	72m/129/10 8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	N	
1	Normal	Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	Normal	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC: QC Sample of RE 15-10-8170

Brown sandy silt

SAMPLE COMMENTS:

NA

LOCATION DESC:

7C-14

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq$  16 dpm  
Beta/Gamma  $\leq$  1714 dpm

HE neg  
PID  $\frac{\text{Ambient Reading}}{0.6} = 6.0$  ppm

COLLECTED BY (PRINT)

TLMCFarlane

REVIEWED BY (PRINT)

Lacey A. Lopez

RELINQUISHED BY (Printed Name) A. Gamma 2 (Signature) <i>A. Gamma 2</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARCZAK (Signature) <i>SM</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8225

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED(MM/DD/YYYY):		02/04/2010	MEDIA:	QBT3	OK
TIME COLLECTED (HH:MM)		14:28	SUB-MEDIA:	TUFF1	OK
PRS ID:	15-007(c)	OK	SAMPLE TECH CODE:	HA	C135
LOCATION ID:	UNK	15-610816	FIELD QC TYPE:	FD	OK
LOCATION TYPE:	GENERIC	OK	FIELD PREP:	NA	
TOP DEPTH:	0	17.5 ft	SAMPLE USAGE:	QC	
BOTTOM DEPTH:	0	20.0 ft	SCREEN/PORT DESC:		N/A
FIELD MATRIX:	B	OK	EXCAVATED: YES/NO/NA		
COMPOSITE TYPE:	N/A		COMPOSITE TIME INTERVAL:	N/A	
			WATER FLOWING: YES/NO/NA		
BOREHOLE: YES/NO/NA			BOREHOLE DECLINATION:	-90°	
			BOREHOLE DIRECTION:	N/A	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice		
1		Metals+ClO4+CN	500 ML POLY	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC: QC Sample of

RE15-10-B175

## SAMPLE COMMENTS:

Light pinkish gray partially indurated and welded, dehydrified  
LOCATION DESC: ash flow tuff  
7c-1

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha  $\leq 33$  dpm  
Beta/Gamma  $\leq 2120$  dpm

PID  $\frac{\text{Ambient}}{\text{Reading}} \frac{0}{0}$  ppm

COLLECTED BY (PRINT)

J. MARIN

REVIEWED BY (PRINT)

TLM cFarland

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) Estevan Lujan	2/5/10	(Printed Name) Sherri Sherwood	2/5/10
(Signature)	07:13 AM	(Signature)	0713
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name)		(Printed Name)	
(Signature)		(Signature)	

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8226

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		10 02/02/2010		MEDIA:	QBT3		OK
TIME COLLECTED (HH:MM)		10:42		SUB-MEDIA:	TUFF.1		↓
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:	HA		CBS
LOCATION ID:	UNK	15-610817		FIELD QC TYPE:	ED		↓
LOCATION TYPE:	GENERIC	OK		FIELD PREP:	NA		↓
TOP DEPTH:	0	18.0 ft		SAMPLE USAGE:	QC		↓
BOTTOM DEPTH:	0	20.0 ft		SCREEN/PORT DESC:	NA		
FIELD MATRIX:	R	OK		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		
BOREHOLE: (YES) NO/NA				BOREHOLE DECLINATION:	-90°		
				BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	normal	8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+ClO4+CN	500 ML POLY	Ice	Y	
1	↓	RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC: QC Sample of RE15-10-8187

Light gray, non indurated to weakly indurated, devitrified,  
dry, ash flow tuff

SAMPLE COMMENTS:

NA

LOCATION DESC:

7c-4

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = .009 dpm

Beta/Gamma = 2121 dpm

RS  
PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$   
02.02x0

COLLECTED BY (PRINT)

R Saunders

REVIEWED BY (PRINT)

J. MARIN

RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) JON MARIN (Signature) Jon R. Marin	Date/Time 2/11/10 8:46	RECEIVED BY (Printed Name) Shari Sherwood (Signature) Shari Sherwood	Date/Time 2/11/10 8:46

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8227

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/12/2010		MEDIA: QBT3		OK	
TIME COLLECTED(HH:MM)		08:35		SUB-MEDIA: TUFF 1		OK	
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE: HA		CBS	
LOCATION ID:	UNK			FIELD QC TYPE: ED		OK	
LOCATION TYPE:	GENERIC	72m 2/12/10		FIELD PREP: NA			
TOP DEPTH:	0	63.5 64.0 ft		SAMPLE USAGE: QC			
BOTTOM DEPTH:	0	65.0 ft		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	OK		EXCAVATED: YES/NO/NA		NA	
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA		NA	
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: -90°		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+ClO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC: QC Sample of RE15-10-8202

Light gray, nonindurated, nonwelded, devitrified, dry, ash flow tuff

SAMPLE COMMENTS: NA

LOCATION DESC: 7c-27

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 19 dpm  
Beta/Gamma = 420 dpm

PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$   
72m 2/12/10

COLLECTED BY (PRINT)

R. Saunders

REVIEWED BY (PRINT)

J. Marin

RELINQUISHED BY (Printed Name) <u>Louise A Lopez</u> (Signature) <u>[Signature]</u>	Date/Time 2/12/10 1646	RECEIVED BY (Printed Name) <u>S. MARIN</u> (Signature) <u>[Signature]</u>	Date/Time 2/12/10 1646
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8228

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/12/2010		MEDIA:		QBT1	
TIME COLLECTED (HH:MM)		13:50		SUB-MEDIA:		TUFF 1	
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:		HA	
LOCATION ID:	UNK	15-610818		FIELD QC TYPE:		FD	
LOCATION TYPE:	GENERIC	OK		FIELD PREP:		NA	
TOP DEPTH:	0	180.0 ft		SAMPLE USAGE:		QC	
BOTTOM DEPTH:	0	182.5 ft		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	R	OK		EXCAVATED: YES/NO/NA		NO	
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA		NO	
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: -90°		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	8082+NMED-HEXP	250 ML AMBER GLASS	Ice	Y	
1		H3	500 ML POLY	Ice	Y	
1		Metals+CIO4+CN	500 ML POLY	Ice	Y	
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None	Y	

SAMPLE DESC: QC Sample of RE15-10-8212

SAMPLE COMMENTS: NA

LOCATION DESC: 7c-27

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 71 dpm  
Beta/Gamma = 264 dpm

ARM  
2/12/10  
PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$

COLLECTED BY (PRINT)

R. Saunders

REVIEWED BY (PRINT)

J. MARIN

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) JON MARIN	02/12/10	(Printed Name) S. WATKINS	2/12/10
(Signature) Jon R. Marin	16:46	(Signature) [Signature]	1646
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name)		(Printed Name)	
(Signature)		(Signature)	



**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8229

WORK ORDER:

AS PLANNED	AS COLLECTED	AS PLANNED	AS COLLECTED
DATE COLLECTED(MM/DD/YYYY):		MEDIA:	QBT3
TIME COLLECTED (HH:MM)		SUB-MEDIA:	TUFF 1
PRS ID: 15-007(c)		SAMPLE TECH CODE:	HA
LOCATION ID: UNK		FIELD QC TYPE:	ED
LOCATION TYPE: GENERIC		FIELD PREP:	NA
TOP DEPTH: 0		SAMPLE USAGE:	QC
BOTTOM DEPTH: 0		SCREEN/PORT DESC:	
FIELD MATRIX: R		EXCAVATED: YES/NO/NA	
COMPOSITE TYPE: _____	COMPOSITE TIME INTERVAL: _____	WATER FLOWING: YES/NO/NA	
BOREHOLE: YES/NO/NA	BOREHOLE DECLINATION: _____	BOREHOLE DIRECTION: _____	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1		8082+NMED-HEXP	250 ML AMBER GLASS	Ice		
1		H3	500 ML POLY	Ice		
1		Metals+ClO4+CN	500 ML POLY	Ice		
1		RADVANA+B+G	1 EA 8 IN RESEALABLE POLY BAG	None		

SAMPLE DESC: QC Sample of

SAMPLE COMMENTS:

LOCATION DESC:

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = \_\_\_\_\_ dpm

Beta/Gamma = \_\_\_\_\_ dpm

PID  $\frac{\text{Ambient Reading}}{\text{Reading}}$  = ppm

COLLECTED BY (PRINT)

Th McFarland

REVIEWED BY (PRINT)

L. A. Lopez

RELINQUISHED BY (Printed Name) E. Lujan (Signature) <i>E. Lujan</i>	Date/Time 2/16/10 0830 AM	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8230

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA:	NA		OK
TIME COLLECTED (HH:MM)		1017		SUB-MEDIA:	OTHER		
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:	DC		
LOCATION ID:	UNK	15-610797		FIELD QC TYPE:	ER		
LOCATION TYPE:	GENERIC	OK		FIELD PREP:	UF		
TOP DEPTH:	0			SAMPLE USAGE:	QC		
BOTTOM DEPTH:	0			SCREEN/PORT DESC:			NA
FIELD MATRIX:	W			EXCAVATED: YES/NO/NA			
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		
BOREHOLE: YES/NO/NA				WATER FLOWING: YES/NO/NA			
BOREHOLE DECLINATION:	NA			BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	METALS-GEL	1 LITER POLY	Nitric Acid	Y	
1		SW-846:6850	250 ML POLY	Ice	Y	
1		TCN	500 ML POLY	Sodium Hydroxide	Y	

SAMPLE DESC: QC Sample of RE15-10-8137

SAMPLE COMMENTS:

Rinsate

LOCATION DESC:

NA

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 72m 1/29/10 dpmBeta/Gamma = 72m 1/29/10 dpmPID  $\frac{\text{Ambient Reading}}{\text{Reading}} =$ 

72m 1/29/10

ppm

COLLECTED BY (PRINT)

ThMcFarlane

REVIEWED BY (PRINT)

A. Goumas

RELINQUISHED BY (Printed Name) A. Goumas (Signature) <i>A. Goumas</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. WARCZAK (Signature) <i>S. WARCZAK</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8231

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA: NA		ok	
TIME COLLECTED (HH:MM)		1221		SUB-MEDIA: OTHER			
PRS ID: 15-007(c)		ok		SAMPLE TECH CODE: DC			
LOCATION ID: UNK		15-G1080G		FIELD QC TYPE: ER			
LOCATION TYPE: GENERIC		ok		FIELD PREP: UF			
TOP DEPTH: 0				SAMPLE USAGE: QC			
BOTTOM DEPTH: 0				SCREEN/PORT DESC:		NA	
FIELD MATRIX: W				EXCAVATED: YES/NO/NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES/NO/NA			
BOREHOLE: YES/NO/NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	METALS-GEL	1 LITER POLY	Nitric Acid	Y	
1	↓	SW-846:6850	250 ML POLY	Ice	Y	
1	↓	TCN	500 ML POLY	Sodium Hydroxide	Y	

SAMPLE DESC: QC Sample of RE15-10-8155

## SAMPLE COMMENTS:

Rinsate

## LOCATION DESC:

NA

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = ~~\_\_\_\_\_~~ dpm 73m 1/29/10Beta/Gamma = ~~\_\_\_\_\_~~ dpmPID ~~Ambient Reading~~ = ppm 73m 1/29/10

COLLECTED BY (PRINT)

Th McFarland

REVIEWED BY (PRINT)

Larry A. Lopez

RELINQUISHED BY (Printed Name) A. Gammas (Signature) <i>A. Gammas</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARCZAK (Signature) <i>S. Marczak</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8232

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		01/29/2010		MEDIA: NA		ok	
TIME COLLECTED (HH:MM)		1436		SUB-MEDIA: OTHER			
PRS ID: 15-007(c)		ok		SAMPLE TECH CODE: DC			
LOCATION ID: UNK		15-610814		FIELD QC TYPE: FR			
LOCATION TYPE: GENERIC		ok		FIELD PREP: UF			
TOP DEPTH: 0				SAMPLE USAGE: QC			
BOTTOM DEPTH: 0				SCREEN/PORT DESC:		NA	
FIELD MATRIX: W				EXCAVATED: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> NA			
COMPOSITE TYPE: NA		COMPOSITE TIME INTERVAL: NA		WATER FLOWING: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> NA			
BOREHOLE: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> NA		BOREHOLE DECLINATION: NA		BOREHOLE DIRECTION: NA			

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	METALS-GEL	1 LITER POLY	Nitric Acid	y	
1	↓	SW-846:6850	250 ML POLY	Ice	y	
1	↓	TCN	500 ML POLY	Sodium Hydroxide	y	

SAMPLE DESC: QC Sample of RE15-10-8171

SAMPLE COMMENTS:

Rinsate

LOCATION DESC:

NA

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha =        dpmBeta/Gamma =        dpm

7am 1/29/10

PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$ 

7am 1/29/10

COLLECTED BY (PRINT)

TLMCFarland

REVIEWED BY (PRINT)

Larry A. Lopez

RELINQUISHED BY (Printed Name) A. Gama (Signature) <i>A. Gama</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARCZYK (Signature) <i>S. Marczyk</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8233

WORK ORDER:

AS PLANNED	AS COLLECTED	AS PLANNED	AS COLLECTED
DATE COLLECTED(MM/DD/YYYY):	01/29/2010	MEDIA:	NA
TIME COLLECTED (HH:MM)	1437	SUB-MEDIA:	OTHER
PRS ID: 15-007(c)	OK	SAMPLE TECH CODE:	DC
LOCATION ID: UNK	15-610813	FIELD QC TYPE:	ER
LOCATION TYPE: GENERIC	OK	FIELD PREP:	UF
TOP DEPTH: 0		SAMPLE USAGE:	QC
BOTTOM DEPTH: 0		SCREEN/PORT DESC:	NA
FIELD MATRIX: W		EXCAVATED: YES/NO/NA	
COMPOSITE TYPE: NA	COMPOSITE TIME INTERVAL: NA	WATER FLOWING: YES/NO/NA	
BOREHOLE: YES/NO/NA	BOREHOLE DECLINATION: NA	BOREHOLE DIRECTION: NA	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	METALS-GEL	1 LITER POLY	Nitric Acid	Y	
1		SW-846:6850	250 ML POLY	Ice	Y	
1		TCN	500 ML POLY	Sodium Hydroxide	Y	

SAMPLE DESC: QC Sample of RE15-10-8169

## SAMPLE COMMENTS:

Rinsate

## LOCATION DESC:

NA

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = 73m 1/29/10 dpm  
Beta/Gamma = 73m 1/29/10 dpm

PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$ 

COLLECTED BY (PRINT)

TLMcFarlane

REVIEWED BY (PRINT)

Larry A. Lopez

RELINQUISHED BY (Printed Name) A. G. Gomez (Signature) <i>A. G. Gomez</i>	Date/Time 1/29/10 1540	RECEIVED BY (Printed Name) S. MARTIN (Signature) <i>SM</i>	Date/Time 1/29/10 1540
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8234

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/04/2010		MEDIA:	NA		OK
TIME COLLECTED (HH:MM)		15:45		SUB-MEDIA:	OTHER		
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:	DC		
LOCATION ID:	UNK	15-610816		FIELD QC TYPE:	FR		
LOCATION TYPE:	GENERIC	OK		FIELD PREP:	UF		
TOP DEPTH:	0			SAMPLE USAGE:	QC		
BOTTOM DEPTH:	0			SCREEN/PORT DESC:			N/A
FIELD MATRIX:	W			EXCAVATED: YES <input checked="" type="radio"/> NO <input type="radio"/> NA			
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		WATER FLOWING: YES <input checked="" type="radio"/> NO <input type="radio"/> NA
BOREHOLE: YES <input checked="" type="radio"/> NO <input type="radio"/> NA		BOREHOLE DECLINATION:	-90°	BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	METALS-GEL	1 LITER POLY	Nitric Acid	Y	
1		SW-846:6850	250 ML POLY	Ice	Y	
1		TCN	500 ML POLY	Sodium Hydroxide	Y	

SAMPLE DESC: QC Sample of

RE15-10-8177

SAMPLE COMMENTS:

LOCATION DESC:

7c-1

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = ~~\_\_\_\_\_~~ dpmBeta/Gamma = ~~\_\_\_\_\_~~ dpm1 AM  
2/4/10PID ~~Ambient Reading~~ = ppm1 AM  
2/4/10

COLLECTED BY (PRINT)

R. Evans

REVIEWED BY (PRINT)

D. Byers

RELINQUISHED BY (Printed Name) <i>Estevan Lujan</i> (Signature) <i>[Signature]</i>	Date/Time 2/5/10 07:40 AM	RECEIVED BY (Printed Name) <i>Sherri Sherwood</i> (Signature) <i>[Signature]</i>	Date/Time 2/5/10 0740
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8235

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/10/2010		MEDIA:	NA		OK
TIME COLLECTED (HH:MM)		14:30		SUB-MEDIA:	OTHER		
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:	DC		
LOCATION ID:	UNK	15-610817		FIELD QC TYPE:	ER		
LOCATION TYPE:	GENERIC	OK		FIELD PREP:	UF		
TOP DEPTH:	0	0		SAMPLE USAGE:	QC		
BOTTOM DEPTH:	0	0		SCREEN/PORT DESC:		NA	
FIELD MATRIX:	W	OK		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		
BOREHOLE: YES/NO/NA				WATER FLOWING: YES/NO/NA			
BOREHOLE DECLINATION:	-90°			BOREHOLE DIRECTION:	NA		

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	METALS-GEL	1 LITER POLY	Nitric Acid	Y	
1		SW-846:6850	250 ML POLY	Ice	Y	
1		TCN	500 ML POLY	Sodium Hydroxide	Y	

SAMPLE DESC: QC Sample of RE15-10-8194

SAMPLE COMMENTS:

LOCATION DESC: 7c-4

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = \_\_\_\_\_ dpm  
 Beta/Gamma = \_\_\_\_\_ dpm

PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$

COLLECTED BY (PRINT)

R. Saunders

REVIEWED BY (PRINT)

J. MARIN

RELINQUISHED BY (Printed Name) JON MARIN (Signature) Jon R. Marin	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) Estevan Lujan (Signature) E. J.	Date/Time 2/11/10 08:42	RECEIVED BY (Printed Name) Sherry Sherwood (Signature) Sherry Sherwood	Date/Time 2/11/10 0842

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8236

WORK ORDER:

	AS PLANNED	AS COLLECTED		AS PLANNED	AS COLLECTED
DATE COLLECTED(MM/DD/YYYY):		02/12/2010	MEDIA:	NA	OK
TIME COLLECTED (HH:MM)		12:10	SUB-MEDIA:	OTHER	
PRS ID:	15-007(c)	OK	SAMPLE TECH CODE:	DC	
LOCATION ID:	UNK	15-610818	FIELD QC TYPE:	FR	
LOCATION TYPE:	GENERIC	OK	FIELD PREP:	UF	
TOP DEPTH:	0	0	SAMPLE USAGE:	QC	
BOTTOM DEPTH:	0	0	SCREEN/PORT DESC:		NA
FIELD MATRIX:	W	OK	EXCAVATED: YES (NO) NA		
COMPOSITE TYPE:	NA		COMPOSITE TIME INTERVAL:	NA	
			WATER FLOWING: YES (NO) NA		
BOREHOLE:	YES (NO) NA		BOREHOLE DECLINATION:	-90°	
			BOREHOLE DIRECTION:	NA	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	METALS-GEL	1 LITER POLY	Nitric Acid	Y	
1		SW-846:6850	250 ML POLY	Ice	Y	
1		TCN	500 ML POLY	Sodium Hydroxide	Y	

SAMPLE DESC: QC Sample of RE15-10-8207

SAMPLE COMMENTS: NA

LOCATION DESC: 7c-27

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha =        dpm <sup>7m</sup> 2/12/10  
 Beta/Gamma =        dpm <sup>7m</sup> 2/12/10

PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$  <sup>7m</sup> 2/12/10

COLLECTED BY (PRINT)

R. Saunders

REVIEWED BY (PRINT)

J. Marin

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) JON MARIN	2/12/10	(Printed Name) S. MATHAY	2/12/10
(Signature) Jon R. Marin	1646	(Signature) [Signature]	1646
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name)		(Printed Name)	
(Signature)		(Signature)	



## SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8237

WORK ORDER:

AS PLANNED		AS COLLECTED		AS PLANNED		AS COLLECTED	
DATE COLLECTED(MM/DD/YYYY):		02/12/2010		MEDIA:	NA		OK
TIME COLLECTED (HH:MM)		13:30		SUB-MEDIA:	OTHER		
PRS ID:	15-007(c)	OK		SAMPLE TECH CODE:	DC		
LOCATION ID:	UNK	15-610818		FIELD QC TYPE:	FR		
LOCATION TYPE:	GENERIC	OK		FIELD PREP:	UF		
TOP DEPTH:	0	0		SAMPLE USAGE:	QC		
BOTTOM DEPTH:	0	0		SCREEN/PORT DESC:			NA
FIELD MATRIX:	W	OK		EXCAVATED: YES/NO/NA			
COMPOSITE TYPE:	NA			COMPOSITE TIME INTERVAL:	NA		WATER FLOWING: YES/NO/NA
BOREHOLE: YES/NO/NA				BOREHOLE DECLINATION:	-90°		BOREHOLE DIRECTION: NA

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1	Normal	METALS-GEL	1 LITER POLY	Nitric Acid	Y	
1		SW-846:6850	250 ML POLY	Ice	Y	
1		TCN	500 ML POLY	Sodium Hydroxide	Y	

SAMPLE DESC: QC Sample of RE15-10-8209

SAMPLE COMMENTS: NA

LOCATION DESC: 7c-27

## FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = ~~\_\_\_\_\_~~ dpm  
 Beta/Gamma = ~~\_\_\_\_\_~~ dpm  
 JRM 2/12/10

PID ~~Ambient Reading~~ = ppm  
 JRM 2/12/10

COLLECTED BY (PRINT)

R. Saunders

REVIEWED BY (PRINT)

J. MARIN

RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name) JON MARIN	2/12/10	(Printed Name) J. MARIN	2/12/10
(Signature) JRM	16:46	(Signature) [Signature]	16:46
RELINQUISHED BY	Date/Time	RECEIVED BY	Date/Time
(Printed Name)		(Printed Name)	
(Signature)		(Signature)	

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8238

WORK ORDER:

<u>AS PLANNED</u>	<u>AS COLLECTED</u>	<u>AS PLANNED</u>	<u>AS COLLECTED</u>
DATE COLLECTED(MM/DD/YYYY):		MEDIA:	NA
TIME COLLECTED (HH:MM)		SUB-MEDIA:	OTHER
PRS ID: 15-007(c)		SAMPLE TECH CODE:	DC
LOCATION ID: UNK		FIELD QC TYPE:	FR
LOCATION TYPE: GENERIC		FIELD PREP:	UF
TOP DEPTH: 0		SAMPLE USAGE:	QC
BOTTOM DEPTH: 0		SCREEN/PORT DESC:	
FIELD MATRIX: W		EXCAVATED: YES/NO/NA	
COMPOSITE TYPE:	COMPOSITE TIME INTERVAL:	WATER FLOWING: YES/NO/NA	
BOREHOLE: YES/NO/NA	BOREHOLE DECLINATION:	BOREHOLE DIRECTION:	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1		METALS-GEL	1 LITER POLY	Nitric Acid		
1		SW-846:6850	250 ML POLY	Ice		
1		TCN	500 ML POLY	Sodium Hydroxide		

SAMPLE DESC: QC Sample of

SAMPLE COMMENTS:

LOCATION DESC:

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = \_\_\_\_\_ dpm  
Beta/Gamma = \_\_\_\_\_ dpm

PID  $\frac{\text{Ambient}}{\text{Reading}}$  = ppm

COLLECTED BY (PRINT)

TLMcFarland

REVIEWED BY (PRINT)

Larry A. Grier

RELINQUISHED BY (Printed Name) E. Lujan (Signature) <i>E. Lujan</i>	Date/Time 02/16/10 0830 Am	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time

**SAMPLE COLLECTION LOG/FIELD CHAIN OF CUSTODY**

EVENT ID: 2503

EVENT NAME: 4th Qtr. FY09 - SWMU 15-007(c) - Threemile Canyon

SAMPLE ID: RE15-10-8239

WORK ORDER:

AS PLANNED	AS COLLECTED	AS PLANNED	AS COLLECTED
DATE COLLECTED(MM/DD/YYYY):		MEDIA:	NA
TIME COLLECTED (HH:MM)		SUB-MEDIA:	OTHER
PRS ID: 15-007(c)		SAMPLE TECH CODE:	DC
LOCATION ID: UNK		FIELD QC TYPE:	ER
LOCATION TYPE: GENERIC		FIELD PREP:	UF
TOP DEPTH: 0		SAMPLE USAGE:	QC
BOTTOM DEPTH: 0		SCREEN/PORT DESC:	
FIELD MATRIX: W		EXCAVATED: YES/NO/NA	
COMPOSITE TYPE:	COMPOSITE TIME INTERVAL:	WATER FLOWING: YES/NO/NA	
BOREHOLE: YES/NO/NA	BOREHOLE DECLINATION:	BOREHOLE DIRECTION:	

#	PRIORITY	ORDER	CNTNR	PRESERVATIVE	COLLECTED Y/N	SPECIAL INSTRUCTIONS
1		METALS-GEL	1 LITER POLY	Nitric Acid		
1		SW-846:6850	250 ML POLY	Ice		
1		TCN	500 ML POLY	Sodium Hydroxide		

SAMPLE DESC: QC Sample of

SAMPLE COMMENTS:

LOCATION DESC:

FIELD SCREENING/MEASUREMENT RESULTS:

Alpha = \_\_\_\_\_ dpm

Beta/Gamma = \_\_\_\_\_ dpm

PID  $\frac{\text{Ambient Reading}}{\text{Reading}} = \text{ppm}$ 

COLLECTED BY (PRINT)

REVIEWED BY (PRINT)

RELINQUISHED BY (Printed Name) F. Lujan (Signature) <i>E. Lujan</i>	Date/Time 02/16/10 0830 AM	RECEIVED BY (Printed Name) (Signature)	Date/Time
RELINQUISHED BY (Printed Name) (Signature)	Date/Time	RECEIVED BY (Printed Name) (Signature)	Date/Time