Appendix B
Field Notes

San Mateo Mine Investigation
April 21st -

Monday April 21st, 2008
Weather: Clear & Cool (23° @ 8:00 am)

0800 Emily Hoe & Dave Lawson on site. SAIC speaks w/ Diane Schmidt of the week's plans (ie drilling and sampling of wells). Diane reminded us to keep the gates closed.

0830 SAIC drive to site to review well locations and condition of roads. The road up to the site was in good condition as well as the old wash out which was repaired in Jan. 2008. We walk down to MW-1 through MW-3 to confirm site conditions before we drive ~~dr~~ down.

0930 Recieve a call from WDC that due to mechanical difficulties (battery leak) they have not yet left the site. Although they were originally expected at the site at 10 or 11 they will probably be onsite at 1:00. Emily notifies B. McDonald of new schedule.

0940 SAIC heads back to Grants to ~~pr~~ pick up package and go to hardware ~~st~~ store.

1040 Art @ WDC calls; they are on the road.

1300 SAIC back on site

1315 WDC (Art & Gaspar) on site, w/ Jim (WDC support driver). SAIC conducts a short overview of site conditions. Jim is familiar w/ site and we all mob up w/ SAIC leading

1325 WDC's rig gets stuck in the sand before the second gate. They got stuck since the rig was pulling a heavy trailer.

1345 WDC gets unstuck by dropping the two trailers and piggy backing the two support trucks to pull out the CME-85.

1400 Rig (Art) and SAIC set up at MW-1 while support truck retrieves dropped trailers (Jim).

1445 Dave Lawson takes 15 readings on the rig and Gaspar trailers. All at standard levels.

[illegible]

April 21, 2008

1400 Health and safety meeting. Topics include biological (snakes & ants) and physical hazards. Art discusses rig hazards and phone SAIC the location of the three kill switches.

1615 ~~1615~~ Start drilling on MW-1

Silty sand; dry; loose

1702 Refusal at 19 feet.

1718 Move five feet North for second attempt

1745 Refusal at 19 feet; hard rock but no bits coming up. Possibly basalt.

1815 Offsite - WDC left CME at MW-1; prior to leaving the site everyone's hands and boots were surveyed for levels of radiation, above background. No anomalies detected

4/21/08 EAH

Tuesday April 22, 2008
Weather: Clear and cool (23° @ 7:00)

0700: SAIC (E. Hoe & D. Lawson) and WDC (Art Alexander and Gaspar Tarin) onsite at Schmidt Ranch.
Mob up to site
07³⁰ Health & Safety meeting; topics include biological and physical hazards.
Dave Lawson collects smear samples from the rig.
0745 Start drilling at MW-3 (third attempt)
silty sand; loose; dry
0800 Refusal at 19 feet.
WDC decons the augers
0847 Set up on MW-3
same lithology encountered.
0928 Refusal at 28 feet.
0945 Send SAIC PM (Nick Kidd) email of status and inquire about considering a new drilling method.
1000 USFS ESC Steve McDonald onsite
Give Steve a debrief on site conditions and progress, no water.
Suggest additional attempts.
1104 Refusal at 40 feet.
Move to 2nd attempt at MW-3
1135 Call Nick w/ an update, leave message
1145 Steve leaves to check out the mine.
WDC decons auger
1245 Lunch (20 mins)
1300 WDC sets up on MW-2; they have difficulty replacing a bit
1310 Start on MW-3 (1st attempt)

4/22/08

April 22, 2008

1310 Emily speaks to Nick on a status update.
1353 Steve Back on site. He notes that typically on similar sites where unanticipated site conditions occur a differing change order is usually completed. "This seems to be an obvious case". With this statement Steve and Emily agree to the following plan.

1) Continue poking holes in area btw MW-1 and MW-3. If 50 ft and no water continue to water or 120 ft, whichever is shallower.

2) If unable to get any wells then sampling of the offsite wells is unnecessary.

3) Use rig or hand auger for waste rock pile samples.

4) Increase the number of waste rock samples to 12 total. Attempt to collect some biased samples.

5) Submit samples to ALS for list of analytes in the SAP.

1445 Refusal on MW-2 at 56 feet. Pull augers and move to second attempt on MW-2.

1600 Begin MW-2
1700 Refusal at 50 feet; discontinue drilling and leave augers in the hole.
1705 Dave Lawson cleans hands and boots All OK.
1730 Offsite

4/22/08 ESV.

Wednesday April 23, 2003
Weather: clear, mild 33°

Onsite: SAIC: WDC (Art & Gaspar)
(E. Hoe & D. Lawson)

0745: SAIC and WDC at Schmidt Ranch; WDC unloads supplies on the back of the support truck at the Ranch to make more room to transport materials from the site

0815 SAIC and WDC walk the waste rock pile; due to soft sand the drillers can not get their rig on the waste rock pile.

0835 WDC begins demobing of rig and materials to the Schmidt Ranch. Prior to work we conduct a H&S meeting in addition to other topics we talk about how injuries occur towards the end of the job.

0845 Leave Nick message and send email letting him know that the rig can not get onto the waste rock pile. They (WDC) are demobing. After WDC gets equipment and material off site Dave and I will hand auger the R samples.

0945 Demob off of MW-2; WDC moves to decon.

1015 leave top of site to mob drill rig down

1045 Down at Schmidt Ranch; need to unload and pick up the remaining materials at the top.

1100 WDC and E Hoe move back up to the site to get remaining materials while Dave Lawson does an exit survey of the rig (18 rig, 11 support truck and trailer)

1200 Back at Schmidt Ranch. Dave finishes survey while Art completes daily paperwork.

Waste Rock pile Sampling

Sample ID	Time	Depth	Dose Rate
WR-01 @ (surface)			170 uR/hr
to			505 cpm.
WR-01-3'	1555	3 ft.	478 cpm
clay at 12' 10'	1619	10 ft	560 cpm
15'	1642	15 ft.	645 cpm.
bottom of waste rock at 16'			
WR-01-0'	1646	0'	542 cpm
WR-02 surface screening			180 uR/hr
1657			414 cpm.
WR-02-0	1658	0'	
Sandy WR-02-05	1725	5'	508 cpm
Refusal at 9 ft	1744		

CPM-44-9
Dose Rate Model 19.

April 23, 2008

1230 leave Schmidt Ranch
1300 Speak w/ Nick about sampling offsite wells. Nick will call John Esqueda and call me back
1330 John Decided to sample offsite wells Emily Called John to make contact w/ the Lee Ranch
1400 Nick Called; No Water Sampling Continue on with hand augering to collect
1500 Back on site to begin hand augering. Begin at WR-01, silty sand w/ gravel shifts to clay at 3 ft, continue to 15 ft bgs Sample at 0, 3 (clay), 10, 15
1600 Move to WR-02; take background readings then hand auger. Refusal at 9 ft. Collect samples at 0, 5 and 5 ft.
1730 Decon and take rad readings on all equipment leaving the site. Everything is background.
1800 Offsite.

4/23/08 [illegible]

Thursday April 24th
Weather: Clear & mild. (47°F)

0830 Onsite: Emily Hoe : Dave Lawson
~~Compte~~ ESH
Conduct Daily tailgate meeting. Discuss hand augering and snakes.

0830 Left Steve McDonald a message. Unless we hear from him we would collect two biased samples

0835 Spoke to John Esgueda. John indicated that if we felt it necessary we could collect up to 20 waste rock samples. I let John know that I would check with the lab to determine if soil samples could be collected in baggies.

0840 Tried the lab, but no one was available asked ~~Sime~~ ESH T. Murray in the office to check and email me.

0845 Left N. Kidd a message relaying John's approval to collect up to 20 samples.

0930 Began to collect waste rock samples.

1230 ~~Colle~~ ESH Finish collecting 16 samples. Began decon and conduct scanning of all equipment and materials offsite.

1300 Offsite.

1400 Prepare samples for shipment.

1430 Drop samples off at FedEx

4/24/08 ESH

4/24/08

Sample ID	Time	Depth	Dose Rate	Lithology
* WR-03	0941	0'	1403 cpm	silty sand; black
Background	628 cpm		220 uR/hr.	
WR-04	1014	01	631 cp	lt. brown; silty sand
Background	698 cpm		280 uR/hr.	
WR-05 - 0' in a - biased washout			400 uR/hr; 1002 cpm	
	1025		2048 cpm	
WR-06-5'	1041		1529 cpm.	
WR-06-10'	1043		1257 cpm	
WR-06-15	1045		1621 cpm	
* WR-07	background		180 uR/hr 1490 cpm	
0 WR-07-0 (biased)	1059		3015 cpm.	
decomposed black, coarse grain. located in a wash.				
WR-08	background		230 uR/hr 689	
silty sand, lt brown.				
WR-08-5	1116		lt. brown; silty sand	855 cpm.
WR-09-10	1213		side of pile ≈80 ft from bottom	
grey silty sand w/ gravel			857 cpm	
background	390 cpm		200 uR/hr	
WR-10-0'	1224		top of waste rock pile	
Background sample			190 uR/hr	

Ref:
Dep:
Date: 04/24/2008
Wgt: 47.6 LBS
DV: 0.00
SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00

Svcs: PRIORITY OVERNIGHT
TRCK: 9630 5859 6152

Ref:
Dep:
Date: 04/24/2008
Wgt: 9.4 LBS
DV: 0.00
SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00

Svcs: ** 2DAY **
TRCK: 9630 5859 6174

Ref:
Dep:
Date: 04/24/2008
Wgt: 12.0 LBS
DV: 0.00
SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00

Svcs: ** 2DAY **
TRCK: 9630 5859 6196

Ref:
Dep:
Date: 04/24/2008
Wgt: 24.7 LBS
DV: 0.00
SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00

Svcs: ** 2DAY **
TRCK: 9630 5859 6200

Invoice:
Customer: EMILY HOE
Dept:
PO Number:
Date: 04/24/2008
Wgt: 17.0 LBS
COD: 0.00
DV: 0.00
SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00

Svcs: GND THRD PTY
TRCK: 499586864000610

Invoice:
Customer: EMILY HOE
Dept:
PO Number:
Date: 04/24/2008
Wgt: 15.5 LBS
COD: 0.00
DV: 0.00
SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00

Svcs: GND THRD PTY
TRCK: 499586864000627

Invoice:
Customer: EMILY HOE
Dept:
PO Number:
Date: 04/24/2008
Wgt: 14.5 LBS
COD: 0.00
DV: 0.00
SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00

Svcs: GND THRD PTY
TRCK: 499586864000634

Invoice:
Customer: EMILY HOE
Dept:
PO Number:
Date: 04/24/2008
Wgt: 15.8 LBS
COD: 0.00
DV: 0.00
SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00

Svcs: GND THRD PTY
TRCK: 499586864000641

Ref:
Dep:
Date: 04/24/2008
Wgt: 27.2 LBS
DV: 0.00
SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00

Svcs: ** 2DAY **
TRCK: 9630 5859 6185

Ref:
Dep:
Date: 04/24/2008
Wgt: 6.4 LBS
DV: 0.00
SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00

Svcs: STANDARD OVERNIGHT
TRCK: 9630 5859 6163

Monday October 20, 2006
Weather: Clear Cool (22°F @ 0700)

0900 James Winston perform daily checkin of Radiological instruments Quentina Borgic called SAIC Equipment and Suppy to get the status of the missing equipment. She was informed that the equipment was in Albuquerque and should arrive to the hotel at eithe 0930 or 1600.

0930 Fed Ex did arrive to the Hotel. We proceeded to the jobsite (San Mateo - Mine Site).

1000 JW and QB arrived to job site. We discussed and signed the morning saftey briefing, and performed a visual walkover of the jobsite. JW and QB used a GIS map to become familiarized with the Gamma Walkover Survey area and approximate soil sample locations

1200 JW and QB depart work site.

1230 Arrived to hotel, the clerk informed us that a package has arrived. The package contained (1) GPS pack. Quentina begin setting up the GPS, performing system checks, and linking it to the Ludlum 2221/44-10 Radiological surveying equipment. We still waiting on (1) GPS pack, 43-10-1 (Ludlum), and survey supplies.

1415 Quentina Complete setup of 1st GPS pack.

1600 The hotel clerk informed us that another shipment has arrived. The shipment contained (1) GPS pack and the Micro R and 43-10-1 Ludlum. JW begin Initial checkin of the 43-10-1, QB begin setup of the 2nd GPS pack.

1700 QB completed setup of 2nd GPS pack. The Ludlum 43-10-1 is determined to be damaged from shipment. The digital Beta-Gamma screen is damaged and the Beta-Gamma background is unsually high. JW will call SAIC equipment and supply and inform them of the situation. end of workday

James Winston 10/20/06

Tuesday October 21, 2008
Weather: Clear, Cool (40°F @ 0745)

0745 James Winston + Quentina Borgic arrive on site. (SAIC)
James Winston (JW) discusses safety briefing with Quentina Borgic (QB)
Both sign safety briefing sheet and prepare to setup equipment
for today's Gamma Walkover Survey (GWS)

0830 Performed Backgrounds on Ludlum 2221/44-10

Meter B → User QB	Meter C → User JW
S# 172019 (Meter) PR194944 (Probe)	S# 172045 (Meter) PR 242862 probe
BKG 21257 cpm	BKG 22030 cpm
Joined with	Joined with
Trimble Meter B PN# 60950-00	Trimble Meter A PN# 60950-00
4613457579	471243372

0845 We began to bound Area C and start 5-10% Coverage of GWS

1115 JW, QB Break for lunch

1145 JW and QB continue GWS of Area C

1400 JW was involved in a near-miss will performing the GWS.
While walking up A hill on the NW side of Area C w of Area D
JW right foot was an inch away from stepping on a foot long
rattle snake. The snake gave defensive rattle warning and JW
immediately jumped back about a foot. The snake went in
the other directions and did not strike. JW and QB discussed
the near miss and continued with the GWS.

1600 JW and QB ends GWS and departs Job-site for Hotel
While at the Hotel QB ~~while~~ will JW 10/21/08 download the survey data and plan
for tomorrow's GWS.

10/21/08 James Winston

Wednesday October 22, 2008
Weather: Clear, cool (30°F @ 0730)

0730 James Winston (JW) and Quentons Borgic (QB) arrive on Jobsite (SAIC)
JW and QB discuss the morning safety briefing and both sign the safety briefing sheet. Begin to setup equipment and collect daily background counts.

	Meter B	Meter C
BKG	16696	19402 cpm

0745 JW and QB begin GWS of Area C 5-10% coverage

1130 JW and QB break for lunch

1200 JW and QB continue GWS of Area C

1700 JW and QB end GWS and depart jobsite for Hotel QB
Will down data from todays GWS and JW will prep equipment for tomorrow. Tomorrow we will continue in Area C.

James Winston 10/22/08

Thursday October 23, 2008
Weather: Clear, Cool (21°F @ 0730)

0730 James Winston and Quentina Borgic of SAIC arrive to jobsite JW and QB discuss the morning safety topic and signed the safety briefing sheet. Equipment preparation followed. Today the GWS will continue on the SE section of area C.

BKG Meter B 15282 cpm Meter C 16647 cpm

1130 JW and QB break for lunch

1200 GWS continues in Area C

1300 JW and QB moves to Area A, Area C is 80% complete.

1418 Will perform GWS on Area A JW walked over a hole in the ground and a 4 foot rattle snake went into a defensive position. No one was injured but we using caution when approaching and walking through trees and brush

1600 JW and QB end GWS and leave Jobsite Areas A and C are approx 80% complete.

1800 JW begin initial checkin of Ludlum 2929/43-10-1

1900 JW complete initial checkin of Ludlum 2929/43-10-1. All instrument check are OK, placed equipment into service.

James Winston 10/23/08

October 24, 2008
Weather: Clear, Cool (24°F @ 0730)

0730 James Winston and Quentina Borgic of SAIC arrive to jobsite
JW and QB discuss the morning Safety Briefing topic and signed
the morning Safety Briefing sheet. Equipment preparation follows.
Today we plan to complete the GWS of Areas A and C.

BKG

Meter B	Meter C
17081 cpm	18039 cpm

1130 JW and QB break for lunch

1200 JW and QB continue GWS of Areas A and C.

1600 JW and QB end GWS Areas A and C ~~Cam~~ JW 10/24/08 are complete
depart Job Site.

1700 Clerk informs us that 1 container (light blue) arrived via FedEx
containing possibly soil sampling supplies. * Coolers containing cans
arrived on 10/23/2008.

James Winston 10/24/08

October 25, 2006

Weather: Clear CODI Calm wind 25°F @ 0730

0730 James Winston and Quentina Borgic of SAIC arrive to jobsite. JW and QB discuss the morning Safety Briefing and signed the morning Safety Briefing sheet. Today we are going to begin the GWS of Area D.

BKG Meter B 20699 Meter C 22007

1100 JW and QB break for lunch

1130 JW and QB continue GWS of Area D

1300 While performing GWS someone on a four wheeler rode pass our sampling area. The Individual observed what we were doing for a couple of minutes and rode off.

1500 JW and QB end GWS of ~~Area~~ JW 10/25/06 Area D. We have completed 50% of Area D.

1515 While trying to exit the job site. James Winston and Quentina Borgic realized that the gate was ~~too~~ JW 10/25/06 locked. We drove to the homes on the ranch and no one was available. We contacted Emily Hoe (Project Manager) and she gave us the phone numbers of the owners of the ranch. The owners informed us that they were out of town and they gave us the phone numbers of the ranch helper and the neighbor (Bob). Bob did not answer the phone and the number for the ranch helper was out of service.

1535 QB called Emily to inform her of the situation. Next we called the Hotel to see if there was a cab service available. There is no cab service available. JW decided to inspect the front barbwire fencing to determine if there was an area that can be opened so vehicle can exit the ranch.

1550 JW found area in the fencing and opened the area and moved vehicle off of the ranch property. JW and QB closed and secured the barbwire fencing.

1600 JW and QB exit the ranch and jobsite and called Emily Hoe and informed → Cont.

October 25, 2008

→ her that we have exited the ranch. Emily informed us that she will contact the owners and the client and tell them about the situation.

[illegible] 10/25/08

October 26, 2006

Weather: Clear Skies Cool Calm Winds (35°F @ 0730)

0730: James Winston and Quentina Borgic arrived to the job site. JW and QB discuss the morning safety topics and signed the morning safety sheet. Today we will continue the GWS of Area D.

BKG

Meter B	Meter C
19419 cpm	19769

1100: JW and QB break for lunch

1130: JW and QB continue GWS of Area D

1545: JW and QB end GWS of Area D. Area D is 85% complete. Tomorrow we plan to complete Area, remaining canyon areas, and pin soil sampling flags for Tuesday.

1600: JW and QB exit job site.

James Winston 10/26/06

October 27, 2008

Weather: Clear Skies, Cool, Calm wind 30°F @ 0730

0730: James Winston and Quentin Borgic arrive to jobsite. We discuss and signed the Morning Safety Briefing sheet. Today we plan to complete the GWS of Area D, pin soil sampling points and survey the privately owned land east of Area D.

BKG	Meter B	Meter C
	17493cpm	17655cpm

1030: JW and QB break for an early lunch Area D is complete

1100: JW and QB begin to pin the soil sampling points for tomorrow and perform a GWS of the private property east of Area D.

1400: JW and QB have completed the GWS of the private land and pinned the soil sampling locations.
JW and QB exit the job site.

October 27, 2008

Weather: Clear Skies, Cool, Calm wind 30°F @ 0730

0730: James Winston and Quentin Borgic arrive to jobsite. We discuss and signed the Morning Safety Briefing sheet. Today we plan to complete the GWS of Area D, pin soil sampling points and survey the privately owned land east of Area D.

BKG	Meter B	Meter C
	17493cpm	17655cpm

1030: JW and QB break for an early lunch Area D is complete

1100: JW and QB begin to pin the soil sampling points for tomorrow and perform a GWS of the private property east of Area D.

1400: JW and QB have completed the GWS of the private land and pinned the soil sampling locations.
JW and QB exit the job site.

Flag Point# 4 — Sample ID# GWS-05-0.5ft — BKG 44-9 76 cpm — 44-10 12905cpm — Tm JW 10/29/08 ~~0954~~ 0906

RADScreen 44-9 86cpm — 44-10 12092 cpm

Flag Point# 6 — Sample ID# GWS-06-~~0.5ft~~ JW 10/29/08 -0.5ft — BKG 44-9 106cpm — 44-10 12857cpm — Time 0915

RAD Screen 44-9 98cpm — 44-10 13012 cpm

Flag Point# 5 — Sample ID# GWS-07-0.5ft — BKG 44-9 115cpm — 44-10 21389cpm — Time 0924

RAD Screen 44-9 117cpm — 44-10 21374 cpm

Flag Point# 9 — Sample ID# GWS-08-0.5ft — BKG 44-9 496 — 44-10 137480cpm — Time 0934

RAD Screen 44-9 641cpm — 44-10 151167 cpm

Flag Point# 8 — Sample ID# GWS-09-0.5ft — BKG 44-9 97cpm — 44-10 20791cpm — Time 0945

RADScreen 44-9 112cpm — 44-10 19795cpm

Flag Point# 7 — Sample ID# JW 10-28-08 GWS-10 ~~0.5ft~~ -0.5ft — BKG 44-9 115cpm — 44-10 17292 cpm — Time 0953

RAD Screen 44-9 102cpm — 44-10 17096 cpm

Flag Point# 11 — Sample ID# GWS-11-~~0.5ft~~ JW 10/28/08 -0.5ft — BKG-44-9 240 cpm — 44-10 65397 cpm — Time 1011

RAD Screen 44-9 255cpm — 44-10 69962

* Flag Point # 12	Sample ID # GWS-12-~~0.5 ft~~ -0.5 ft JW 10/28/08	BKG 44-9 699 cpm	44-10 120322 cpm		Time 1023
		RAD Screen 44-9 1590 cpm	44-10 141112 cpm		
* Flag Point # 13	Sample ID # GWS-13-~~0.5ft~~ 0.5 ft JW 10/28/08	BKG 44-9 649 cpm	44-10 152281 cpm		Time 1034
		RAD Screen 44-9 709 cpm	44-10 174168 cpm		
* Flag Point # #14	Sample ID # GWS-14-~~0.05ft~~ -0.5 ft JW 10/28/08	BKG 44-9 113 cpm	44-10 33269 cpm		Time 1043
		RAD screen 44-9 137 cpm	44-10 32753 cpm		
Flag Point # 15	Sample ID # GWS-15-0.5ft	BKG 44-9 93 cpm	44-10 18469 cpm		Time 1054
		RAD Screen 44-9 96 cpm	44-10 17126 cpm		
Flag Point # 17	Sample ID # GWS-16-0.5ft	BKG 44-9 98 cpm	44-10 20559 cpm		Time 1107
		RAD Screen 44-9 120 cpm	44-10 20149 cpm		
Flag Point # C2	Sample ID # GWS-17-0.5ft	BKG 44-9 68 cpm	44-10 9561 cpm		Time 1239
		RAD Screen 44-9 102 cpm	44-10 9295		
Flag Point # C1	Sample ID # GWS-18-0.5ft	BKG 44-9 88 cpm	44-10 10020 cpm		Time 1253
		RAD screen 44-9 87 cpm	44-10 9901 cpm		

Flag Point # 14	Sample ID# GWS-19-0.5ft	BKG	44-9 72cpm	44-10 12815cpm	Time 1306
		RAD Screen	44-9 84cpm	44-10 12344cpm	
Flag Point # 22	Sample ID# GWS-20-0.5ft	BKG	44-9 153cpm	44-10 27028cpm	Time 1320
		RAD Screen	44-9 132cpm	44-10 20334cpm	
Flag Point # 16	Sample ID# GWS-21-0.5ft	BKG	44-9 85cpm	44-10 12248cpm	Time 1329
		RAD Screen	44-9 79cpm	44-10 11721cpm	
Flag Point # 10	Sample ID# GWS-22-0.5ft	BKG	44-9 87cpm	44-10 13206cpm	Time 1339
		RAD Screen	44-9 81cpm	44-10 12646	
Flag Point # 20	Sample ID# GWS-23-0.5ft	BKG	44-9 79cpm	44-10 11177cpm	Time 1352
		RAD Screen	44-9 77cpm	44-10 11604cpm	
Flag Point # 21	Sample ID# GWS-24-0.5ft	BKG	44-9 79 ~~85~~ cpm JW 10-28-06	44-10 9817cpm	Time 1402
		RAD Screen	44-9 75 cpm	44-10 9538 cpm	
Flag Point # 51	Sample ID# GWS-25-0.5ft	BKG	44-9 124 cpm	44-10 39625cpm	Time 1425
		RAD Screen	44-9 132cpm	44-10 36934cpm	

Flag Point# 52	Sample ID# GWS-26-0.5ft	BKG 44-9 452cpm	44-10 74112cpm	Time 21434
		RAD Screen 44-9 280cpm	44-10 8247 kpm	
Flag Point# 53	Sample ID# GWS-27-0.5ft	BKG 44-9 375cpm	44-10 53982cpm	Time 1447
		RAD Screen 44-9 245cpm	44-10 59750 cpm	
Flag Point# 54	Sample ID# GWS-28-0.5ft	BKG 44-9 130cpm	44-10 18732cpm	Time 1458
		RAD Screen 44-9 117cpm	44-10 19186cpm	
Flag Point# 19	Sample ID# GWS-29-0.5ft	BKG 44-9 82cpm	44-10 16552cpm	Time 1522
		RAD Screen 44-9 113cpm	44-10 15293 cpm	
Flag Point# C0	Sample ID# GWS-~~29~~ 30-0.5ft JW 10/28/08	BKG 44-9 79cpm	44-10 9245cpm	Time 1543
		RAD Screen 44-9 86cpm	44-10 9446cpm	
Flag Point# C3	Sample ID# GWS-31-0.5ft	BKG 44-9 104cpm	44-10 13991cpm	Time 1601
		RAD Screen 44-9 101cpm	44-10 13987cpm	
Flag Point# C4	Sample ID# GWS-32-0.5ft	BKG 44-9 115cpm	44-10 19181cpm	Time 1612
		RAD Screen 44-9 135cpm	44-10 19890cpm	

JW 10/28/09

Flag Point# C5 ~~C6~~ Sample ID# GWS-33-0.5ft BKG 44-9 78cpm 44-10 15820cpm Time ~~1625~~ 1626 JW 10/28/09

RAD Screen 44-9 82cpm 44-10 14402cpm

Flag Point# C6 Sample ID# GWS-34-0.5ft BKG 44-9 80cpm 44-10 10264cpm Time 1642

RAD screen 44-9 95cpm 44-10 10043cpm

Flag Point# C9 Sample ID# GWS-35-0.5ft BKG 44-9 90cpm 44-10 10657cpm Time 1700

RAD Screen 44-9 98cpm 44-10 10379cpm

Flag Point# C8 Sample ID# GWS-36-0.5ft BKG 44-9 86cpm 44-10 9514 cpm Time 1710

RAD Screen 44-9 92cpm 44-10 9125 cpm

Flag Point# C7 Sample ID# GWS-37-0.5ft BKG 44-9 100 cpm 44-10 15615 cpm Time 1721

RAD Screen 44-9 89cpm 44-10 15373 cpm

Flag Point# C10 Sample ID# GWS-38-0.5ft BKG 44-9 263 cpm 44-10 64571 cpm Time 1732

44-9 371 cpm 44-10 73070 cpm

Flag Point# C11 Sample ID# GWS-39-0.5ft BKG 44-9 62cpm 44-10 8765 Time 1745

RAD Screen 44-9 107cpm 44-10 9996cpm

October 29, 2008

1800 Completed soil sampling JW and QB perform frisk/surveys of boats, clothing, and trash, while TM decon soil sampling equipment and perform Rinsate of the ~~two~~ one spades.
JW 10/29/08

1815 SAIC left job site.

HEALTH AND SAFETY WORK PERMIT

HSWP No: SM – 08 – 001.0 Date Issued: 1/02/2008 Expiration Date: End of project

Client: Forest Service Location: St. Louis FUSRAP Site: All sites

Job Description: Well Installation and Sampling, Soil Sampling, Dose Rate Survey.

H/S COVERAGE

- ☐ Continuous
- ☒ Intermittent
- ☒ Buddy System
- ☐ Confined Space Entry Permit.
- ☐ Notify H/S upon entry to area.
- ☐ HSWP Entry / Exit Log Required
- ☐ HPT perform all personnel frisk surveys
- ☒ Radiological Workers may perform personnel frisk surveys
- ☒ Hand & foot frisk
- ☐ Whole body frisk

DRESS REQUIREMENTS

- ☐ Cotton Coverall
- ☐ Canvas Hood
- ☐ Paper Coveralls
- ☐ Plastic Coveralls
- ☐ Tyvek Coveralls
- ☐ Skull Cap
- ☐ Cloth Gloves
- ☐ Rubber Gloves
- ☐ Plastic Booties
- ☐ Lab Coat
- ☒ Surgeon's gloves (1)
- ☐ Rubber Apron
- ☐ Rubber Shoe covers
- ☐ No personal outer-clothing.
- ☐ Tape gloves and booties to PCs
- ☐ Other_____
- ☐ Other_____
- ☐ Other_____
- ☐ Other_____
- ☐ Other_____
- ☐ Other_____
- ☐ Other_____
- ☐ Other_____

DOSIMETRY REQUIREMENTS

- ☐ Self Reading Dosimeter
- ☐ Whole Body TLD
- ☐ Ring TLD
- ☐ Electronic Dosimeter
- ☐ Multi-Badging

RESPIRATORY PROTECTION

- ☐ Air Purifying Respirator
- ☐ Powered Air Purifying Respirator
- ☐ Air Line Respirator
- ☐ SCBA
- ☐ Other_____
- ☐ Other_____

SAFETY EQUIPMENT

- ☒ Safety Glasses
- ☒ Steel-toed Shoes
- ☐ Goggles
- ☒ Hard Hat (2)
- ☐ Face-Shield
- ☐ Leather Apparel
- ☐ Hearing Protection ≥ 85 dBA 8hr TWA
- ☐ Welding Shield w/ ____ number lens
- ☐ Other _____
- ☐ Other _____
- ☐ Other _____
- ☐ Other _____

ADDITIONAL REQUIREMENTS (ALARA considerations, Pen and Ink changes, safety, job specific):

Note: HP Technicians may make field changes to PPE requirements as necessary based upon site conditions.

(1) For chemical hazards during soil and water sampling and well installation

(2) If overhead hazards

A PRE-JOB BRIEFING IS REQUIRED PRIOR TO ENTRY ON THE HSWP

Reviewed By: _____ **Date:** 1/2/08
Local EC&HS Representative

Approved By: _____ **Date:** 1/2/08
Radiation Protection Manager

Collective dose goal:_____ **Approved by:**_____ **Date:**_____

Terminated by: _____ **Date:** _____

Revision termination: ____ **HSWP termination:** ____ **(check one)**

Reason for termination: _____

HSWP CONTINUATION SHEET

Page 2 of 2

Additional Requirements (continued):

QUARTERLY ASSESSMENT VERIFICATION HSWP Number: SM-08-001.0			
Date (month/day/year)	**Signature of RPM/HPT**	**Revision Required Yes***	**No**
4/1/08			X

*If "Yes", state the reason a revision is required and whether a pen and ink change or complete revision is necessary:

_____

_____

_____

_____

_____

_____

Revision approved: _____ Date: _____
RPM

PRE-JOB BRIEFING

HSWP No. **SM-08-001.0** **Date:** 04/21/08

PRE-JOB BRIEFING CHECKLIST	**INITIALS**
• Discuss Pre-job ALARA review, if applicable	N/A
• Review requirements of HSWP	R
• Review the step-by-step aspects of the job, ensuring all personnel are aware of their required actions	R

Job Description: Work is to include, but not limited to; soil and water sampling, well installation, and dose rate surveys.

PERSONNEL ATTENDING PRE-JOB BRIEFING
SM-08-001.0

No.	Printed Name	Signature*	HPID
	DAVID L. LAWSON		NA
	GASPAR TARIN II		
	ART Alexander		
	Emily Hoe		

*** By signature, personnel certify they have read, understand, and will comply with the requirements of the HSWP.**

Signature _____ 1/2/08

RPM

Date

Initial Instrument Check In

Meter Number:	190602	Detector Number:	PR199159
Meter Model:	2929	Detector Model:	43-10-1
Cal. Due:	10/21/2009	Cal. Due:	10/21/2009

ALPHA	Source Type:	Th - 230	Threshold:	175mV			
ALPHA	Source #:	5778-07	High Voltage:	700V			
ALPHA	Source Activity:	27,100					
ALPHA	Source count time:	1	(min) Background count time:	1	(min)		
ALPHA	**Source GCPM**	**BKG CPM**	Average Bkg. (CPM):	0.6			
ALPHA	9,790	2.0	Average Source (GCPM):	9,896			
ALPHA	9,815	1.0	Average Net Source (NCPM):	9,895			
ALPHA	9,916	0.0	Source Range (GCPM):	7,916	to	11,874	
ALPHA	9,803	1.0	Background Range (CPM):	0.0	to	2.7	
ALPHA	10,000	0.0	Determined Efficiency:	36.5%			
ALPHA	9,819	1.0					
ALPHA	10,026	0.0	20% of Bkg.	0.1			
ALPHA	9,905	0.0	1 Standard Deviation of Bkg.	0.7			
ALPHA	9,896	0.0	3 Standard Deviations of Bkg.	2.1			
ALPHA	9,986	1.0					

Beta / Gamma (circle one)

BETA	Source Type:	SrY - 90	Threshold:	5mV			
BETA	Source #:	5782-07	High Voltage:	700V			
BETA	Source Activity:	24,900					
BETA	Source count time:	1	(min) Background count time:	1	(min)		
BETA	**Source GCPM**	**BKG CPM**	Average Bkg. (CPM):	73			
BETA	9,713	76	Average Source (GCPM):	9,687			
BETA	9,675	82	Average Net Source (NCPM):	9,615			
BETA	9,684	82	Source Range (GCPM):	7,750	to	11,625	
BETA	9,659	55	Background Range (CPM):	38	to	108	
BETA	9,831	67	Determined Efficiency:	38.6%			
BETA	9,550	97					
BETA	9,767	66	20% of Bkg.	15			
BETA	9,696	68	1 Standard Deviation of Bkg.	12			
BETA	9,580	69	3 Standard Deviations of Bkg.	35			
BETA	9,719	66					

Performed By: Jame Wrate Date: 10/23/08

Reviewed By: Date: 11/5/08
(RPM / Asst. RPM)

INSTRUMENTATION QC CHECK LOG

METER : 43-10-1

DATE (MO/YR) : OCT 2008

Meter		Acceptance Criteria				Alpha			
Number	Cal. Due	Bkgrd. QC (cpm) range		Source QC (ncpm) range		Source Type	Source Number	Inst. Efficiency	Inst. Avg. Bkgrd.
190602	10/21/2009	Alpha	Beta	Alpha	Beta	Th - 230	5778-07	36.5%	0.6
Detector		0.0	38	7916	7750	Beta			
Number	Cal. Due	to	to	to	to	Source Type	Source Number	Inst. Efficiency	Inst. Avg. Bkgrd.
PR199159	10/21/2009	2.7	108	11874	11625	SrY - 90	5782-07	38.6%	73

Date	Time	Bkgrd. QC (cpm)		Source QC (ncpm) range		Bat. Check	QC[1]	HPT	Comment
		Alpha	Beta	Alpha	Beta	Sat/Unsat	Sat/Unsat	Initial	
10/23/2008	545	1	66	9986	9719	Sat	Sat	JW	
10/24/2008	545	1	92	9839	9655	Sat	Sat	JW	
10/25/2008	545	1	84	9737	9417	Sat	Sat	JW	
10/26/2008	545	1	79	9844	9579	Sat	Sat	JW	
10/27/2008	545	1	78	9819	9792	Sat	Sat	JW	
10/28/2008	545	1	78	9673	9628	Sat	Sat	JW	

N/A

[1] An unsatisfactory QC check requires recording the result in the comment column and repeating the evaluation. Tag the instrument out of service and notify the HP Supervisor upon failing the QC check two times in succession.

Reviewed By : _____ (RPM/Designee) Date : 11/5/08

Initial Instrument Check In

Meter Number:	184010	Detector Number:	PR164004
Meter Model:	2221	Detector Model:	44-10A
Cal. Due:	10/16/2009	Cal. Due:	10/16/2009

ALPHA	Source Type:		Threshold:			
ALPHA	Source #:		High Voltage:			
ALPHA	Source Activity:					
ALPHA	Source count time:		(min) Background count time:			(min)
ALPHA	**Source GCPM**	**BKG CPM**	Average Bkg. (CPM):	#DIV/0!		
ALPHA			Average Source (GCPM):	#DIV/0!		
ALPHA			Average Net Source (NCPM):	#DIV/0!		
ALPHA			Source Range (GCPM):	#DIV/0!	to	#DIV/0!
ALPHA			Background Range (CPM):	#DIV/0!	to	#DIV/0!
ALPHA			Determined Efficiency:	#DIV/0!		
ALPHA						
ALPHA			20% of Bkg.	#DIV/0!		
ALPHA			1 Standard Deviation of Bkg.	#DIV/0!		
ALPHA			3 Standard Deviations of Bkg.	#DIV/0!		
ALPHA						

Beta / Gamma (circle one)

BETA	Source Type:	Cs-137	Threshold:	10		
BETA	Source #:	5780-07	High Voltage:	1000		
BETA	Source Activity:	1 uCi				
BETA	Source count time:	1	(min) Background count time:	1		(min)
BETA	**Source GCPM**	**BKG CPM**	Average Bkg. (CPM):	8,633		
BETA	291,372	7815	Average Source (GCPM):	293,725		
BETA	290,477	8734	Average Net Source (NCPM):	285,092		
BETA	294,037	8614	Source Range (GCPM):	234,980	to	352,470
BETA	294,673	8512	Background Range (CPM):	7,496	to	9,770
BETA	294,451	8789	Determined Efficiency:	NA		
BETA	293,698	8777				
BETA	295,271	8583	20% of Bkg.	1727		
BETA	294,372	8515	1 Standard Deviation of Bkg.	379		
BETA	294,570	8626	3 Standard Deviations of Bkg.	1137		
BETA	294,329	9365				

Performed By: [signature] Date: 10/19/08

Reviewed By: [signature] Date: 11/5/08
(RPM / Asst. RPM)

INSTRUMENTATION QC CHECK LOG

METER : 44-10A

DATE (MO/YR): OCT 2008

Source		Acceptance Criteria			
Type	Cs-137	Bkgrd. QC (cpm) range		Source QC (cpm) range	
Number	5780-07	7,496 to 9,770		234,980 to 352,470	
Date	Time	Pre-use Bkg cpm	Post Bkg cpm[1]	Pre-use Source cpm	Post Source cpm[1]
10/19/2008	2100	8183	N/A	294329	N/A
10/20/2008	600	9159		294529	
10/21/2008	545	8455		296162	
10/22/2008	545	7815		297403	
10/23/2008	545	8093		295440	
10/24/2008	545	8466		297065	
10/25/2008	545	8391		296528	
10/26/2008	545	9173		292494	
10/27/2008	545	8501		290669	

	Model	Number	Cal. Due
Meter	2221	184010	10/16/2009
Detector	44-10A	PR164004	10/16/2009

N/A

[1] Gamma scan Instruments used for confirmation or verification surveys require a post check-in.

Reviewed By : _____ (RPM/Designee)

Date : 11/5/08

Initial Instrument Check In

Meter Number:	172018	Detector Number:	PR194984
Meter Model:	2221	Detector Model:	44-10B
Cal. Due:	10/16/2009	Cal. Due:	10/16/2009

ALPHA	Source Type:		Threshold:			
ALPHA	Source #:		High Voltage:			
ALPHA	Source Activity:					
ALPHA	Source count time:		(min) Background count time:			(min)
ALPHA	**Source GCPM**	**BKG CPM**	Average Bkg. (CPM):	#DIV/0!		
ALPHA			Average Source (GCPM):	#DIV/0!		
ALPHA			Average Net Source (NCPM):	#DIV/0!		
ALPHA			Source Range (GCPM):	#DIV/0!	to	#DIV/0!
ALPHA			Background Range (CPM):	#DIV/0!	to	#DIV/0!
ALPHA			Determined Efficiency:	#DIV/0!		
ALPHA						
ALPHA			20% of Bkg.	#DIV/0!		
ALPHA			1 Standard Deviation of Bkg.	#DIV/0!		
ALPHA			3 Standard Deviations of Bkg.	#DIV/0!		
ALPHA						

Beta / Gamma (circle one)

BETA	Source Type:	Cs-137	Threshold:	10		
BETA	Source #:	5780-07	High Voltage:	1000		
BETA	Source Activity:	1 uCi				
BETA	Source count time:	1	(min) Background count time:	1		(min)
BETA	**Source GCPM**	**BKG CPM**	Average Bkg. (CPM):	7,718		
BETA	258,303	7738	Average Source (GCPM):	258,187		
BETA	258,180	8432	Average Net Source (NCPM):	250,469		
BETA	258,605	7916	Source Range (GCPM):	206,550	to	309,825
BETA	257,893	7754	Background Range (CPM):	6,713	to	8,723
BETA	257,518	7073	Determined Efficiency:	NA		
BETA	258,924	7627				
BETA	259,267	7673	20% of Bkg.	1544		
BETA	257,227	7650	1 Standard Deviation of Bkg.	335		
BETA	257,655	7761	3 Standard Deviations of Bkg.	1005		
BETA	258,300	7556				

Performed By: [signature] Date: 10/19/08

Reviewed By: [signature] Date: 11/5/08
(RPM / Asst. RPM)

INSTRUMENTATION QC CHECK LOG

METER : 44-10B

DATE (MO/YR): OCT 2008

Source		Acceptance Criteria			
Type	Cs-137	Bkgrd. QC (cpm) range		Source QC (cpm) range	
Number	5780-07	6,713 to	8,723	206,550 to	309,825
Date	Time	Pre-use Bkg cpm	Post Bkg cpm[1]	Pre-use Source cpm	Post Source cpm[1]
10/19/2008	2100	7108	N/A	258300	
10/20/2008	600	7956		261962	
10/21/2008	545	7612		258378	
10/22/2008	545	7134		261519	
10/23/2008	545	7313		261935	
10/24/2008	545	7850		262794	
10/25/2008	545	7622		261313	
10/26/2008	545	7853		260469	
10/27/2008	545	6986		261039	
10/28/2008	545	8412		261259	

	Model	Number	Cal. Due
Meter	2221	172018	10/16/2009
Detector	44-10B	PR194984	10/16/2009

[1] Gamma scan Instruments used for confirmation or verification surveys require a post check-in.

Reviewed By : _____ (RPM/Designee) Date : _____

SAIC ST. LOUIS

HP-30 Rev. 1
Attachment 2

Initial Instrument Check In

Meter Number:	172045	Detector Number:	PR242862
Meter Model:	2221	Detector Model:	44-10C
Cal. Due:	10/16/2009	Cal. Due:	10/16/2009

ALPHA	Source Type:		Threshold:			
ALPHA	Source #:		High Voltage:			
ALPHA	Source Activity:					
ALPHA	Source count time:		(min) Background count time:		(min)	
ALPHA	**Source GCPM**	**BKG CPM**	Average Bkg. (CPM):	#DIV/0!		
ALPHA			Average Source (GCPM):	#DIV/0!		
ALPHA			Average Net Source (NCPM):	#DIV/0!		
ALPHA			Source Range (GCPM):	#DIV/0!	to	#DIV/0!
ALPHA			Background Range (CPM):	#DIV/0!	to	#DIV/0!
ALPHA			Determined Efficiency:	#DIV/0!		
ALPHA						
ALPHA			20% of Bkg.	#DIV/0!		
ALPHA			1 Standard Deviation of Bkg.	#DIV/0!		
ALPHA			3 Standard Deviations of Bkg.	#DIV/0!		
ALPHA						

Beta / Gamma (circle one)

BETA	Source Type:	Cs-137	Threshold:	10		
BETA	Source #:	5780-07	High Voltage:	1000		
BETA	Source Activity:	1 uCi				
BETA	Source count time:	1	(min) Background count time:	1	(min)	
BETA	**Source GCPM**	**BKG CPM**	Average Bkg. (CPM):	8,355		
BETA	255,833	8410	Average Source (GCPM):	256,819		
BETA	255,940	8538	Average Net Source (NCPM):	248,465		
BETA	257,217	8413	Source Range (GCPM):	205,456	to	308,183
BETA	256,770	8527	Background Range (CPM):	7,269	to	9,441
BETA	256,899	7458	Determined Efficiency:	NA		
BETA	257,182	8235				
BETA	257,218	8354	20% of Bkg.	1671		
BETA	257,356	8295	1 Standard Deviation of Bkg.	362		
BETA	257,373	8886	3 Standard Deviations of Bkg.	1086		
BETA	256,406	8431				

Performed By: [signature] Date: 10/19/08

Reviewed By: [signature] Date: 11/5/08
(RPM / Asst. RPM)

INSTRUMENTATION QC CHECK LOG

METER : 44-10C

DATE (MO/YR): OCT 2008

Source		Acceptance Criteria			
Type	Cs-137	Bkgrd. QC (cpm) range		Source QC (cpm) range	
Number	5780-07	7,269 to 9,441		205,456 to 308,183	
Date	Time	Pre-use Bkg cpm	Post Bkg cpm[1]	Pre-use Source cpm	Post Source cpm[1]
10/19/2008	2100	7647	N/A	256406	N/A
10/20/2008	600	8796		258563	
10/21/2008	545	8504		255245	
10/22/2008	545	7747		252560	
10/23/2008	545	7753		256185	
10/24/2008	545	8523		255788	
10/25/2008	545	8093		257611	
10/26/2008	545	8070		257045	
10/27/2008	545	7498		251081	
10/28/2008	545	8861		256403	

	Model	Number	Cal. Due
Meter	2221	172045	10/16/2009
Detector	44-10C	PR242862	10/16/2009

N/A

[1] Gamma scan Instruments used for confirmation or verification surveys require a post check-in.

Reviewed By : _____ (RPM/Designee)

Date : ~~11/8~~ NP 11/5/08

Initial Instrument Check In

Meter Number:	202364	Detector Number:	212133
Meter Model:	2121	Detector Model:	44-9
Cal. Due:	10/15/2009	Cal. Due:	10/15/2009

ALPHA	Source Type:		Threshold:		
ALPHA	Source #:		High Voltage:		
ALPHA	Source Activity:				
ALPHA	Source count time:		(min) Background count time:		(min)
ALPHA	**Source GCPM**	**BKG CPM**	Average Bkg. (CPM):		
ALPHA			Average Source (GCPM):		
ALPHA			Average Net Source (NCPM):		
ALPHA			Source Range (GCPM):	to	
ALPHA			Background Range (CPM):	to	
ALPHA			Determined Efficiency:		
ALPHA					
ALPHA			20% of Bkg.		
ALPHA			1 Standard Deviation of Bkg.		
ALPHA			3 Standard Deviations of Bkg.		
ALPHA					

Beta / Gamma (circle one)

BETA	Source Type:	SrY-90	Threshold:	35	
BETA	Source #:	16135	High Voltage:	900	
BETA	Source Activity:	24,900			
BETA	Source count time:	1	(min) Background count time:	1	(min)
BETA	**Source GCPM**	**BKG CPM**	Average Bkg. (CPM):	59	
BETA	5,056	48	Average Source (GCPM):	5,164	
BETA	5,227	66	Average Net Source (NCPM):	5,105	
BETA	5,046	58	Source Range (GCPM):	4,131 to	6,197
BETA	5,246	51	Background Range (CPM):	34 to	83
BETA	5,077	51	Determined Efficiency:	20.5%	
BETA	5,344	60			
BETA	5,087	67	20% of Bkg.	12	
BETA	5,212	72	1 Standard Deviation of Bkg.	8	
BETA	5,126	51	3 Standard Deviations of Bkg.	25	
BETA	5,218	62			

Performed By: [signature] Date: 10/19/08

Reviewed By: [signature] Date: 11/5/08
(RPM / Asst. RPM)

INSTRUMENTATION QC CHECK LOG

METER : 44-9

DATE (MO/YR) : OCT 2008

Meter		Acceptance Criteria			
Number	Cal. Due	Bkgrd. QC (cpm) range		Source QC (ncpm) range	
202364	10/15/2009	Alpha	Beta	Alpha	Beta
Detector		N/A to N/A	34 to 83	N/A to N/A	4131 to 6197
Number	Cal. Due				
212133	10/15/2009				

Alpha			
Source Type	Source Number	Inst. Efficiency	Inst. Avg. Bkgrd.
N/A	N/A	N/A	N/A

Beta			
Source Type	Source Number	Inst. Efficiency	Inst. Avg. Bkgrd.
SrY-90	16135	20.5%	59

Date	Time	Bkgrd. QC (cpm)		Source QC (ncpm)		Bat. Check Sat/Unsat	QC[1] Sat/Unsat	HPT Initial	Comment
		Alpha	Beta	Alpha	Beta				
10/19/2008	2100	N/A	62	N/A	5218	Sat	Sat	JW	
10/20/2008	900		58		5058	Sat	Sat	JW	
10/21/2008	600		70		4858	Sat	Sat	JW	
10/22/2008	545		78		5324	Sat	Sat	JW	
10/23/2008	545		53		5383	Sat	Sat	JW	
10/24/2008	545		63		5466	Sat	Sat	JW	
10/25/2008	545		48		5054	Sat	Sat	JW	
10/26/2008	545		77		4895	Sat	Sat	JW	
10/27/2008	545		53		5151	Sat	Sat	JW	
10/28/2008	545		51		5367	Sat	Sat	JW	

N

A

[1] An unsatisfactory QC check requires recording the result in the comment column and repeating the evaluation. Tag the instrument out of service and notify the HP Supervisor upon failing the QC check two times in succession.

Reviewed By : _____ (RPM/Designee) Date : 11/5/08

ALPHA

For Portable Counters:

Detector Area (cm2) =	15.5
Efficiency (%) =	
Surface Efficiency =	1.00
Background (cpm) =	
Background count time =	1.0
Gross count time =	
MDA (dpm/100cm2) =	#DIV/0!

NCD = < #DIV/0!

BETA

For Portable Counters:

Detector Area (cm2) =	15.5
Efficiency (%) =	0.2050
Surface Efficeincy =	1.00
Background (cpm) =	58.6
Background count time =	1.0
Gross count time =	1.0
MDA (dpm/100cm2) =	1215.1

NCD = < 97.2

Exposure Ratemeter Setup Record

Date: 10-28-2008 **Location:** San Mateo

Instrument Type: Bicron **Instrument Serial Number:** C582J

Instrument Range	Source	Source Position	Observed Exposure Rate[1] mR/hr μR/hr	Acceptance Criteria[1,2] mR/hr μR/hr
X10	Cs-137	On Contact	650	520 - 780

[1] Circle correct units.
[2] ± 20% of observed exposure rate

Comments/Restrictions: Source ID 5780-7 or SAIC E&S 16131 1.0 micro Ci

James Winston
Calculated By: 10/28/08
Date

Steve Passig
Approved: RPM/Designee 11/5/08
Date

DAILY CHECK-IN OF DOSE INSTRUMENTS

DATE (MO/YR): OCT 2008

		Acceptance Criteria			
Type	Cs-137	Source QC	Units: micro-R/hr		Scale
Number	16131	520	to	780	x10

	Model	Number	Cal. Due
Meter	Bicron	C582J	8/28/09
Detector			

Date	Time	Reading	Pre-op Check	Bat Check	Initial	Comments
10/28/08	2000	650	SAT	SAT	JW	

N/A

Reviewed By: _____ RPM/Designee

Date: 11/5/08

Exposure Rate Meter Setup Record

Date : 4/20/2008 **Location :** San Mateo Mine Site

Instrument Type : Model 19 **Instrument Serial Number :** 209715

Instrument Range	Source	Source Position	Observed Exposure Rate uR/hr	Acceptance Criteria[1] uR/hr
500	CS-137 SN: 16130	On Contact	260	208 - 312
		NA		

[1] + 20% of observed exposure rate.

Comments/Restrictions:

Calculated By :

Date : 04/20/08

Approved By :

Date:

Scientific and Industrial Instruments

CERTIFICATE OF CALIBRATION

POST OFFICE BOX 810 PH. 325-235-5454
501 OAK STREET FAX NO. 325-235-46
SWEETWATER, TEXAS 79556, U.S.A.

CUSTOMER SAIC ORDER NO. 20104489/323148

Mfg. Ludlum Measurements, Inc. Model 19 Serial No. 209715

Mfg. Model Serial No.

Cal. Date 13-Mar-08 Cal Due Date 13-Mar-09 Cal. Interval 1 Year Meterface 202-1070

Check mark ✓ applies to applicable instr. and/or detector IAW mfg. spec. T. 74 °F RH 30 % Alt 695.8 mm Hg

New Instrument Instrument Received ✓ Within Toler. +-10% 10-20% Out of Tol. Requiring Repair Other See comments

✓ Mechanical ck. ✓ Meter Zeroed Background Subtract Input Sens. Linearity
✓ F/S Resp. ck ✓ Reset ck. Window Operation ✓ Geotropism
✓ Audio ck. Alarm Setting ck. ✓ Batt. ck. (Min. Volt) 2.2 VDC

Calibrated in accordance with LMI SOP 14.8 rev 12/05/89. ✓ Calibrated in accordance with LMI SOP 14.9 rev 02/07/97.

Instrument Volt Set 800 V Input Sens. 60 mV Det. Oper. V at mV Threshold Dial Ratio = m

HV Readout (2 points) Ref./Inst. / V Ref./Inst. / V

COMMENTS:

Gamma Calibration: GM detectors positioned perpendicular to source except for M 44-9 in which the front of probe faces source.

RANGE/MULTIPLIER	REFERENCE CAL. POINT	INSTRUMENT REC'D "AS FOUND READING"	INSTRUMENT METER READING*
5000	4000μR/hr	4200	4000
5000	1000μR/hr	1005	1000
500	400μR/hr = 74600gm	440	400
500	100μR/hr	110	100
250	200μR/hr = 37500gm	220	200
250	100μR/hr	105	100
50	7460 cpm	42	40
50	1860 cpm	10.5	10
25	3750 cpm	22	20
25	930 cpm	5.2	5

*Uncertainty within ± 10% C.F. within ± 20%

Range(s) Calibrated Electronically

	REFERENCE CAL. POINT	INSTRUMENT RECEIVED	INSTRUMENT METER READING*		REFERENCE CAL. POINT	INSTRUMENT RECEIVED	INSTRUMENT METER READING*
Digital Readout				Log Scale			

Ludlum Measurements, Inc. certifies that the above instrument has been calibrated by standards traceable to the National Institute of Standards and Technology, or to the calibration facilities of other International Standards Organization members, or have been derived from accepted values of natural physical constants or have been derived by the ratio type of calibration techniques.
The calibration system conforms to the requirements of ANSI/NCSL Z540-1-1994 and ANSI N323-1978 State of Texas Calibration License No. LO-1963

Reference Instruments and/or Sources: ☐ S-394/1122 ☐ 1131 ☐ 781 ☐ 059 ☐ 280

Cs-137 Gamma S/N ☐ 1162 ☐ G112 ✓ M565 ☐ 5105 ☐ T1008 ☐ T879 ☐ E552 ☐ E551 ☐ 720 ☐ 734 ☐ 1616 ☐ Neutron Am-241 Be S/N T-304

Alpha S/N ☐ Beta S/N ☐ Other

✓ m 500 S/N 54683 ☐ Oscilloscope S/N ✓ Multimeter S/N 70602489

Calibrated By: Duane Jackson Date 13-Mar-08

Reviewed By: Rhonda Hain Date 14 Mar 08

This certificate shall not be reproduced except in full, without the written approval of Ludlum Measurements, Inc.
FORM C22A 01/29/2008

As Inst. Only ☐ Passed Dielectric (Hi-Pot) and Continuity Test ☐ Failed:

Daily Check-In of Dose Rate Instruments

METER : 209175 'N' **DATE (MO/YR):** April 2008

Source	
Type	CS-137
Number	16130

Acceptance Criteria	
Source QC (micro-R/hr)	Scale
208 to 312	x 500

	Model	Number	Cal. Due
Meter	Model 19	209175	3/13/2009
Detector	NA	NA	NA

Date	Time	Reading	Pre-op Check	Bat Check	Initial	Comments
4-21-08	0820	250	SAT	SAT	[illegible]	
4-22-08	0620	260	SAT	SAT	[illegible]	
4-23-08	0615	260	SAT	SAT	[illegible]	
4-24-08	0700	250	SAT	SAT	[illegible]	
					NA	

[1] Gamma scan Instruments used for confirmation or verification surveys require a post check-in.

Reviewed By : [illegible] **(RPM/Designee)** **Date :** 5/7/08

Initial Instrument Check In

Meter Number:	211355	Detector Number:	222387
Meter Model:	3	Detector Model:	44-9
Cal. Due:	4/16/2009	Cal. Due:	4/16/2009

ALPHA	Source Type:		Threshold:		
ALPHA	Source #:		High Voltage:		
ALPHA	Source Activity:				
ALPHA	Source count time:		(min) Background count time:		(min)
ALPHA	**Source GCPM**	**BKG CPM**	Average Bkg. (CPM):		
ALPHA			Average Source (GCPM):		
ALPHA			Average Net Source (NCPM):		
ALPHA			Source Range (GCPM):		to
ALPHA			Background Range (CPM):		to
ALPHA			Determined Efficiency:		
ALPHA					
ALPHA			20% of Bkg.		
ALPHA			1 Standard Deviation of Bkg.		
ALPHA			3 Standard Deviations of Bkg.		
ALPHA					

Beta / Gamma (circle one)

BETA	Source Type:	SrY-90	Threshold:	35 mV		
BETA	Source #:	16134	High Voltage:	900 V		
BETA	Source Activity:	17,000				
BETA	Source count time:	1	(min) Background count time:	1		(min)
BETA	**Source GCPM**	**BKG CPM**	Average Bkg. (CPM):	75		
BETA	3,456	79	Average Source (GCPM):	3,354		
BETA	3,276	78	Average Net Source (NCPM):	3,279		
BETA	3,379	74	Source Range (GCPM):	2,683	to	4,024
BETA	3,288	91	Background Range (CPM):	52	to	99
BETA	3,251	71	Determined Efficiency:	19.3%		
BETA	3,323	84				
BETA	3,436	68	20% of Bkg.	15		
BETA	3,387	70	1 Standard Deviation of Bkg.	8		
BETA	3,385	67	3 Standard Deviations of Bkg.	24		
BETA	3,356	69				

Performed By: _____ Date: 04/30/08

Reviewed By: _____ Date: 5/7/08
(RPM / Asst. RPM)

Date Calibrated: 04/16/2008 3:53:58 PM

Technician: B. French Customer: SAIC Order Number SAIC20080416-002

Repair Instrument

Serial Number 222387 Manufacturer: Ludlum Model: 44-9 Last Calibrated: 4/27/2007

Reason for recalibration: Due for Calibration

Calibration Instrument

Serial Number: 211355 Inst. Type: 3 Calibration Due: 4/16/2009

Calibration Sources

4π	Beta Source ID: SAIC-0054	Isotope: SrY-90	Current Activity: 13967.03	dpm	Assay Date: 11/15/2000
2π	Beta Source ID: SAIC-0054	Isotope: SrY-90	Current Activity: 9701.65	cpm	Assay Date: 11/15/2000

Beta as Found *Acceptable Range 15cpm -60cpm*	**Beta as Left**
Background 10 min. counts	Background 10 min. counts
NA	54
NA	54
NA	54
NA	54
NA	54
Source 1 min. counts	Source 1 min. counts
NA	3321
NA	3321
NA	3321
NA	3321
NA	3321
4π % efficienc 0	4π % efficienc 23.39
2π % efficienc 0	2π % efficienc 33.67

Beta Threshold: 35 mV High Voltage: 900 V Next Calibration D 4/16/2009

Comments

Performed By: Brian French Date: 4/16/08

Reviewed By Date: 4/17/08

3/12/177 Scaler/Ratemeter Calibration Report

Date Calibrated: 04/16/2008 3:51:20 PM

Technician: B. French Customer: SAIC Order Number: SAIC20080416-001

Temperature (F): 75 Humidity (%): 24 Altitude (asl): 660 Barametric Pressure ("Hg): 29.03

Repair Instrument

Serial Number: 211355 Manufacturer: Ludlum Model: 3 Meterface: 202-633

Received: Within 10%

Last Calibrated: 4/27/2007 Calibration Interval: 1 yr. Next Calibration Due: 4/16/2009

- [x] Mechanical OK
- [x] Meter Zeroed
- [x] Battery Ck. - Min. Volt.
- [x] Input Sens. Linearity
- [x] F/S Resp. OK
- [x] Reset OK
- [x] Geotropism
- [x] Window Operation
- [x] Audio OK
- [ ] Alarm Setting OK
- [x] Background Subtract
- [x] Voltage Set 900 V at 35mV Det. Op. 900V at 35mV Threshold Dial ratio N/A
- [ ] HV readout **Ref. 1** 0Volts **Inst. 1** 0Volts **Ref. 2** 0Volts **Inst. 2** 0Volts
- [x] Calibrated in accordance with ANSI N323A-1997 and the manufacturer's procedure

Multiplier	Ref. Cal Point	Inst. As Found	Inst. As Left
X 100	400 K cpm	400 K cpm	400 K cpm
X 100	100 K cpm	100 K cpm	100 K cpm
X 10	40 K cpm	40 K cpm	40 K cpm
X 10	10 K cpm	10 K cpm	10 K cpm
X 1	4 K cpm	4 K cpm	4 K cpm
X 1	1 K cpm	1 K cpm	1 K cpm
X 0.1	400 cpm	400 cpm	400 cpm
X 0.1	100 cpm	100 cpm	100 cpm

**** Uncertainty within +/- 10%**

All range(s) calibrated electronically

Comments

Performed By: _____ Date: 4/16/08

Reviewed By _____ Date: 4/17/08

INSTRUMENTATION QC CHECK LOG

METER : 44-9

DATE (MO/YR) : April 2008

Meter		Acceptance Criteria				Alpha			
Number	Cal. Due	Bkgrd. QC (cpm) range		Source QC (ncpm) range		Source Type	Source Number	Inst. Efficiency	Inst. Avg. Bkgrd.
211355	4/16/2009	Alpha	Beta	Alpha	Beta	N/A	N/A	N/A	N/A
Detector		N/A to N/A	52 to 99	N/A to N/A	2683 to 4024	Beta			
Number	Cal. Due					Source Type	Source Number	Inst. Efficiency	Inst. Avg. Bkgrd.
222387	4/16/2009					SrY-90	16134	19.3%	75

Date	Time	Bkgrd. QC (cpm)		Source QC (ncpm)		Bat. Check	QC[1]	HPT	Comment
		Alpha	Beta	Alpha	Beta	Sat/Unsat	Sat/Unsat	Initial	
4-21-08	0820	N/A	71	N/A	3336	SAT	SAT	R	
4-22-08	0620	↓	84	↓	3449	SAT	SAT	R	
4-23-08	0615		74		3304	SAT	SAT	R	
4-24-08	0700	↓	89	↓	3429	SAT	SAT	R	

NA

[1] An unsatisfactory QC check requires recording the result in the comment column and repeating the evaluation. Tag the instrument out of service and notify the HP Supervisor upon failing the QC check two times in succession.

Reviewed By : [signature] (RPM/Designee) Date : 5/7/08

SAIC RADIOLOGICAL SURVEY REPORT

SURVEY LOCATION: San Mateo Mine Site, NM | HSWP: SM-08-001.0 | Page 1 of 2

PURPOSE OF SURVEY: Release survey on Freightliner FL80 CME85 Drill Rig (SN327846) & Equipment | DATE: 4/23/08 | TIME: 1100

Instrument Type(s):	Detector Area (cm²)	Serial Number: meter	Serial Number: detector	Cal. Due Date meter	Cal. Due Date detector	Background: (CPM) Alpha (α)	Background: (CPM) Beta (βγ)	Efficiency: (%) Alpha (α)	Efficiency: (%) Beta (βγ)
☐ Ludlum 2929 / 43-10-1 ___	N/A								
☐ Ludlum 2360 / 43-89 ___	125								
☑ Ludlum 3 / 44-9 B	15.5	211355	222387	4/16/09	4/16/09	NA	75	NA	19.3%
☐ Micro - R ___	N/A								

Contamination Limits: (dpm/100cm²) Removable α NA | Removable βγ 1000 | Total α NA | Total βγ 5000

Sample No.	Description / Location	Gross CPM α Removable	Net CPM α Removable	dpm/100cm² α Removable	Gross CPM β Removable	Net CPM β Removable	dpm/100cm² β Removable	Gross CPM α Total	Net CPM α Total	dpm/100cm² α Total	Gross CPM β Total	Net CPM β Total	dpm/100cm² β Total	uR/hr
1	Driver side front tire	NA	NA	NA	86	11	< 1000	NA	NA	NA	95	20	< 5000	NA
2	Driver side floorboard	NA	NA	NA	87	12	< 1000	NA	NA	NA	117	42	< 5000	NA
3	Driver side augers	NA	NA	NA	86	11	< 1000	NA	NA	NA	78	3	< 5000	NA
4	Driver side rear tires	NA	NA	NA	84	9	< 1000	NA	NA	NA	85	10	< 5000	NA
5	Driver side truck bed	NA	NA	NA	92	17	< 1000	NA	NA	NA	69	0	< 5000	NA
6	Miller Bobcat 250 Generator	NA	NA	NA	82	7	< 1000	NA	NA	NA	64	0	< 5000	NA
7	Driver side toolbox	NA	NA	NA	79	4	< 1000	NA	NA	NA	60	0	< 5000	NA
8	Drill rig control box	NA	NA	NA	81	6	< 1000	NA	NA	NA	66	0	< 5000	NA
9	Passenger side front tire	NA	NA	NA	93	18	< 1000	NA	NA	NA	72	0	< 5000	NA
10	Passenger side toolbox	NA	NA	NA	76	1	< 1000	NA	NA	NA	70	0	< 5000	NA

REMARKS:

TECHNICIAN(S) SIGNATURE/ DATE: / 04-23-08 /

REVIEWER SIGNATURE/ DATE: / 5/9/08 /

SAIC RADIOLOGICAL SURVEY REPORT (Supplement)

SURVEY LOCATION: San Mateo Mine Site, NM

Contamination Limits: (dpm/100cm²)		Removable α NA			Removable βγ 1000			Total α NA			Total βγ 5000			
Sample No.	Description / Location	Gross CPM α Removable	Net CPM α Removable	dpm/100cm² α Removable	Gross CPM β Removable	Net CPM β Removable	dpm/100cm² β Removable	Gross CPM α Total	Net CPM α Total	dpm/100cm² α Total	Gross CPM β Total	Net CPM β Total	dpm/100cm² β Total	uR/hr
11	Passenger side augers	NA	NA	NA	93	18	< 1000	NA	NA	NA	72	0	< 5000	NA
12	Passenger side truck bed	NA	NA	NA	76	1	< 1000	NA	NA	NA	67	0	< 5000	NA
13	Mounted Fire Extinguisher	NA	NA	NA	69	0	< 1000	NA	NA	NA	87	12	< 5000	NA
14	Front Stabilizer	NA	NA	NA	81	6	< 1000	NA	NA	NA	81	6	< 5000	NA
15	Rear Stabilizer	NA	NA	NA	94	19	< 1000	NA	NA	NA	64	0	< 5000	NA
16	Crank Shaft	NA	NA	NA	91	16	< 1000	NA	NA	NA	63	0	< 5000	NA
17	Hex Rods	NA	NA	NA	70	0	< 1000	NA	NA	NA	91	16	< 5000	NA
18	Rod slip	NA	NA	NA	87	12	< 1000	NA	NA	NA	79	4	< 5000	NA

N/A

REMARKS:

TECHNICIAN(S) SIGNATURE/ DATE: / 04-23-08 /

REVIEWER SIGNATURE/ DATE: / 5/9/08 /

SAIC RADIOLOGICAL SURVEY REPORT

SURVEY LOCATION: San Mateo Mine Site, NM | HSWP: SM-08-001.0 | Page 1 of 1

PURPOSE OF SURVEY: Release survey on Ford F-550 Flatbed Support Truck[1] and Decon Trailer[2] | DATE: 4/23/08 | TIME: 1135

Instrument Type(s):	Detector Area (cm²)	Serial Number: meter	Serial Number: detector	Cal. Due Date meter	Cal. Due Date detector	Background: (CPM) Alpha (α)	Background: (CPM) Beta (βγ)	Efficiency: (%) Alpha (α)	Efficiency: (%) Beta (βγ)
☐ Ludlum 2929 / 43-10-1 ___	N/A								
☐ Ludlum 2360 / 43-89 ___	125								
☑ Ludlum 3 / 44-9 B	15.5	211355	222387	4/16/09	4/16/09	NA	75	NA	19.3%
☐ Micro - R ___	N/A								

Contamination Limits: (dpm/100cm²)	Removable α NA			Removable βγ 1000			Total α NA			Total βγ 5000			
Sample No. / Description / Location	Gross CPM α Removable	Net CPM α Removable	dpm/100cm² α Removable	Gross CPM β Removable	Net CPM β Removable	dpm/100cm² β Removable	Gross CPM α Total	Net CPM α Total	dpm/100cm² α Total	Gross CPM β Total	Net CPM β Total	dpm/100cm² β Total	uR/hr
1 Truck Front tires	NA	NA	NA	73	0	< 1000	NA	NA	NA	79	4	< 5000	NA
2 Truck Rear tires	NA	NA	NA	71	0	< 1000	NA	NA	NA	71	0	< 5000	NA
3 Truck Floorboard	NA	NA	NA	80	5	< 1000	NA	NA	NA	67	0	< 5000	NA
4 Truck Driver side toolbox	NA	NA	NA	81	6	< 1000	NA	NA	NA	66	0	< 5000	NA
5 Truck bed	NA	NA	NA	79	4	< 1000	NA	NA	NA	63	0	< 5000	NA
6 Truck Passenger side toolbox	NA	NA	NA	85	10	< 1000	NA	NA	NA	74	0	< 5000	NA
7 Trailer tires	NA	NA	NA	71	0	< 1000	NA	NA	NA	79	4	< 5000	NA
8 Trailer Wheel wells	NA	NA	NA	74	0	< 1000	NA	NA	NA	80	5	< 5000	NA
9 Trailer Decon area	NA	NA	NA	86	11	< 1000	NA	NA	NA	72	0	< 5000	NA
10 Trailer bed	NA	NA	NA	97	22	< 1000	NA	NA	NA	86	11	< 5000	NA
11 Landa Pressure washer	NA	NA	NA	90	15	< 1000	NA	NA	NA	95	20	< 5000	NA

REMARKS: [1]License NM- JTD 930. [2]License CA-4EZ4732.

TECHNICIAN(S) SIGNATURE/ DATE: 04-23-08

REVIEWER SIGNATURE/ DATE: 5/9/08

SAIC RADIOLOGICAL SURVEY REPORT

SURVEY LOCATION: San Mateo, NM (Entrance to Schmidt Ranch) | HSWP: SM-08-001.0 | Page 1 of 2

PURPOSE OF SURVEY: Incoming survey on Freightliner FL80 CME85 Drill Rig (SN327846) & Equipment | DATE: 4/21/08 | TIME: 1445

Instrument Type(s):	Detector Area (cm²)	Serial Number: meter	Serial Number: detector	Cal. Due Date meter	Cal. Due Date detector	Background: (CPM) Alpha (α)	Background: (CPM) Beta (βγ)	Efficiency: (%) Alpha (α)	Efficiency: (%) Beta (βγ)
☐ Ludlum 2929 / 43-10-1 ___	N/A								
☐ Ludlum 2360 / 43-89 ___	125								
☑ Ludlum 3 / 44-9 B	15.5	211355	222387	4/16/09	4/16/09	NA	75	NA	19.3%
☐ Micro - R ___	N/A								

Contamination Limits: (dpm/100cm²) Removable α NA | Removable βγ 1000 | Total α NA | Total βγ 5000

Sample No.	Description / Location	Gross CPM α Removable	Net CPM α Removable	dpm/100cm² α Removable	Gross CPM β Removable	Net CPM β Removable	dpm/100cm² β Removable	Gross CPM α Total	Net CPM α Total	dpm/100cm² α Total	Gross CPM β Total	Net CPM β Total	dpm/100cm² β Total	uR/hr
1	Driver side front tire	NA	NA	NA	79	4	< 1000	NA	NA	NA	116	41	< 5000	NA
2	Driver side floorboard	NA	NA	NA	71	0	< 1000	NA	NA	NA	80	5	< 5000	NA
3	Driver side augers	NA	NA	NA	79	4	< 1000	NA	NA	NA	90	15	< 5000	NA
4	Driver side rear tires	NA	NA	NA	79	4	< 1000	NA	NA	NA	110	35	< 5000	NA
5	Driver side truck bed	NA	NA	NA	77	2	< 1000	NA	NA	NA	105	30	< 5000	NA
6	Miller Bobcat 250 Generator	NA	NA	NA	82	7	< 1000	NA	NA	NA	205	130	< 5000	NA
7	Driver side toolbox	NA	NA	NA	89	14	< 1000	NA	NA	NA	78	3	< 5000	NA
8	Drill rig control box	NA	NA	NA	80	5	< 1000	NA	NA	NA	120	45	< 5000	NA
9	Passenger side front tire	NA	NA	NA	91	16	< 1000	NA	NA	NA	100	25	< 5000	NA
10	Passenger side toolbox	NA	NA	NA	84	9	< 1000	NA	NA	NA	103	28	< 5000	NA

REMARKS:

TECHNICIAN(S) SIGNATURE/ DATE: 04-21-08

REVIEWER SIGNATURE/ DATE: 5/9/08

SAIC RADIOLOGICAL SURVEY REPORT (Supplement)

SURVEY LOCATION: San Mateo, NM (Entrance to Schmidt Ranch)

Contamination Limits: (dpm/100cm²)		Removable α NA			Removable βγ 1000			Total α NA			Total βγ 5000			
Sample No.	Description / Location	Gross CPM α Removable	Net CPM α Removable	dpm/100cm α Removable	Gross CPM β Removable	Net CPM β Removable	dpm/100cm β Removable	Gross CPM α Total	Net CPM α Total	dpm/100cm α Total	Gross CPM β Total	Net CPM β Total	dpm/100cm β Total	uR/hr
11	Passenger side augers	NA	NA	NA	83	8	< 1000	NA	NA	NA	102	27	< 5000	NA
12	Passenger side truck bed	NA	NA	NA	70	0	< 1000	NA	NA	NA	121	46	< 5000	NA
13	Mounted Fire Extinguisher	NA	NA	NA	71	0	< 1000	NA	NA	NA	120	45	< 5000	NA
14	Front Stabilizer	NA	NA	NA	73	0	< 1000	NA	NA	NA	142	67	< 5000	NA
15	Rear Stabilizer	NA	NA	NA	94	19	< 1000	NA	NA	NA	141	66	< 5000	NA
16	Crank Shaft	NA	NA	NA	79	4	< 1000	NA	NA	NA	93	18	< 5000	NA
17	Hex Rods	NA	NA	NA	71	0	< 1000	NA	NA	NA	84	9	< 5000	NA
18	Rod slip	NA	NA	NA	77	2	< 1000	NA	NA	NA	71	0	< 5000	NA

NA

REMARKS:

TECHNICIAN(S) SIGNATURE/ DATE: 04-21-08

REVIEWER SIGNATURE/ DATE: 5/9/08

SAIC RADIOLOGICAL SURVEY REPORT

SURVEY LOCATION: San Mateo, NM (Entrance to Schmidt Ranch) | HSWP: SM-08-001.0 | Page 1 of 1

PURPOSE OF SURVEY: Incoming survey on Ford F-550 Flatbed Support Truck[1] and Decon Trailer[2] | DATE: 4/21/08 | TIME: 1600

Instrument Type(s):	Detector Area (cm²)	Serial Number: meter	Serial Number: detector	Cal. Due Date meter	Cal. Due Date detector	Background: (CPM) Alpha (α)	Background: (CPM) Beta (βγ)	Efficiency: (%) Alpha (α)	Efficiency: (%) Beta (βγ)
☐ Ludlum 2929 / 43-10-1 ___	N/A								
☐ Ludlum 2360 / 43-89 ___	125								
☑ Ludlum 3 / 44-9 B	15.5	211355	222387	4/16/09	4/16/09	NA	75	NA	19.3%
☐ Micro - R ___	N/A								

Contamination Limits: (dpm/100cm²) Removable α NA | Removable βγ 1000 | Total α NA | Total βγ 5000

Sample No.	Description / Location	Gross CPM α Removable	Net CPM α Removable	dpm/100cm² α Removable	Gross CPM β Removable	Net CPM β Removable	dpm/100cm² β Removable	Gross CPM α Total	Net CPM α Total	dpm/100cm² α Total	Gross CPM β Total	Net CPM β Total	dpm/100cm² β Total	uR/hr
1	Truck Front tires	NA	NA	NA	73	0	< 1000	NA	NA	NA	79	4	< 5000	NA
2	Truck Rear tires	NA	NA	NA	71	0	< 1000	NA	NA	NA	71	0	< 5000	NA
3	Truck Floorboard	NA	NA	NA	80	5	< 1000	NA	NA	NA	67	0	< 5000	NA
4	Truck Driver side toolbox	NA	NA	NA	81	6	< 1000	NA	NA	NA	66	0	< 5000	NA
5	Truck bed	NA	NA	NA	79	4	< 1000	NA	NA	NA	63	0	< 5000	NA
6	Truck Passenger side toolbox	NA	NA	NA	85	10	< 1000	NA	NA	NA	74	0	< 5000	NA
7	Trailer tires	NA	NA	NA	71	0	< 1000	NA	NA	NA	79	4	< 5000	NA
8	Trailer Wheel wells	NA	NA	NA	74	0	< 1000	NA	NA	NA	80	5	< 5000	NA
9	Trailer Decon area	NA	NA	NA	86	11	< 1000	NA	NA	NA	72	0	< 5000	NA
10	Trailer bed	NA	NA	NA	97	22	< 1000	NA	NA	NA	86	11	< 5000	NA
11	Landa Pressure washer	NA	NA	NA	90	15	< 1000	NA	NA	NA	95	20	< 5000	NA

REMARKS: [1]License NM- JTD 930. [2]License CA-4EZ4732.

TECHNICIAN(S) SIGNATURE/ DATE: 04-21-08

REVIEWER SIGNATURE/ DATE: 5/9/08

SAIC RADIOLOGICAL SURVEY REPORT

SURVEY LOCATION: San Mateo Mine Site, NM | HSWP: SM-08-001.0 | Page 1 of 1

PURPOSE OF SURVEY: Periodic Survey of Drill Rig Equipment | DATE: 4/22/08 | TIME: 0830-1600

Instrument Type(s):	Detector Area (cm²)	Serial Number: meter	Serial Number: detector	Cal. Due Date meter	Cal. Due Date detector	Background: (CPM) Alpha (α)	Background: (CPM) Beta (βγ)	Efficiency: (%) Alpha (α)	Efficiency: (%) Beta (βγ)
☐ Ludlum 2929 / 43-10-1 ___	N/A								
☐ Ludlum 2360 / 43-89 ___	125								
☑ Ludlum 3 / 44-9 B	15.5	211355	222387	4/16/09	4/16/09	NA	75	NA	19.3%
☐ Micro - R ___	N/A								

Contamination Limits: (dpm/100cm²) Removable α NA | Removable βγ 1000 | Total α NA | Total βγ 5000

Sample No.	Description / Location	Gross CPM α Removable	Net CPM α Removable	dpm/100cm² α Removable	Gross CPM β Removable	Net CPM β Removable	dpm/100cm² β Removable	Gross CPM α Total	Net CPM α Total	dpm/100cm² α Total	Gross CPM β Total	Net CPM β Total	dpm/100cm² β Total	uR/hr
1	Augers from MW1 1st Attempt (19.5')	NA	NA	NA	102	27	< 1000	NA	NA	NA	149	74	< 5000	NA
2	Augers from MW1 2nd Attempt (19.5')	NA	NA	NA	99	24	< 1000	NA	NA	NA	101	26	< 5000	NA
3	Augers from MW1 3rd Attempt (19.5')	NA	NA	NA	90	15	< 1000	NA	NA	NA	90	15	< 5000	NA
4	Augers from MW3 1st Attempt (28')	NA	NA	NA	95	20	< 1000	NA	NA	NA	73	0	< 5000	NA
5	Augers from MW3 2nd Attempt (40')	NA	NA	NA	89	14	< 1000	NA	NA	NA	93	18	< 5000	NA
6	Augers from MW2 1st Attempt (56')	NA	NA	NA	79	4	< 1000	NA	NA	NA	74	0	< 5000	NA
7	Augers from MW2 2nd Attempt (50')	NA	NA	NA	101	26	< 1000	NA	NA	NA	76	1	< 5000	NA
							NA							

REMARKS:

TECHNICIAN(S) SIGNATURE/ DATE: 04-22-08

REVIEWER SIGNATURE/ DATE: 5/9/08

SAIC ST. LOUIS

MATERIALS LICENSE # 24-32591-01

HP-11, REV. 1
Attachment 1

SAIC RADIOLOGICAL SURVEY REPORT

LQ - 10162008-01

SURVEY LOCATION: Cal lab

HSWP: ~~R~~ RGB 10-16-08 NA

Page 1 of 1

PURPOSE OF SURVEY: Shipping Survey for San Mateo

DATE: 10-16-08

TIME: 0854

Instrument Type(s):	Detector Area (cm²)	Serial Number: meter	Serial Number: detector	Cal. Due Date meter	Cal. Due Date detector	Background: (CPM) Alpha (α)	Background: (CPM) Beta (βγ)	Efficiency: (%) Alpha (α)	Efficiency: (%) Beta (βγ)
☐ Ludlum 2929 / 43-10-1 B	N/A	166716	170380	1-22-09	1-22-09	0.3	50	38.0	43.6
☐ Ludlum 2360 / 43-89	125								
☐ Ludlum 2221 / 44-9	15.5								
☐ Micro - R C	N/A	126722	nA	1/28/09					

Contamination Limits: (dpm/100cm²)	Removable α 220	Removable βγ 2200	Total α	Total βγ
Instrument MDA: (dpm/100cm²)	α MDA 12.9	βγ MDA 82.5	α MDA	βγ MDA

Sample No.	Description / Location	Gross CPM α Removable	Net CPM α Removable	dpm/100cm α Removable	Gross CPM β Removable	Net CPM β Removable	dpm/100cm β Removable	Gross CPM α Total	Net CPM α Total	dpm/100cm α Total	Gross CPM β Total	Net CPM β Total	dpm/100cm β Total	uR/hr
1	meter / Source Box	0	0	<MDA	52	2	<MDA							21
2														
3														
4														
5														
6														
7														
8														
9														
10														

REMARKS:

TECHNICIAN(S) SIGNATURE/ DATE: [signature] / 10-16-08 /

REVIEWER SIGNATURE/ DATE: [signature] / /

SAIC RADIOLOGICAL SURVEY REPORT

SURVEY LOCATION: Grants New Mexico | HSWP: SM-08-001.0 | Page 1 of 2

PURPOSE OF SURVEY: Release Survey on Surveying Equipment and SAIC Rental Vehicles | DATE: 10/28/08 | TIME: 2200

Instrument Type(s):	Detector Area (cm²)	Serial Number: meter	Serial Number: detector	Cal. Due Date meter	Cal. Due Date detector	Background: (CPM) Alpha (α)	Background: (CPM) Beta (βγ)	Efficiency: (%) Alpha (α)	Efficiency: (%) Beta (βγ)
☑ Ludlum 2929 / 43-10-1	N/A	190602	PR199159	10/21/09	10/21/09	0.6	73	36.5%	38.6%
☐ Ludlum 2360 / 43-89	125	N/A							
☑ Ludlum 2221 / 44-9	15.5	202364	212133	10/15/09	10/15/09	NA	59	NA	20.5%
☑ Micro - R	N/A	C582J	NA	8/28/09	NA	NA	NA	NA	NA

Contamination Limits: (dpm/100cm²)	Removable α 20	Removable βγ 1000	Total α N/A	Total βγ 5000
Instrument MDA: (dpm/100cm²)	α MDA 18.1	βγ MDA 110.6	α MDA N/A	βγ MDA 1215

Sample No.	Description / Location	Gross CPM α Removable	Net CPM α Removable	dpm/100cm² α Removable	Gross CPM β Removable	Net CPM β Removable	dpm/100cm² β Removable	Gross CPM α Total	Net CPM α Total	dpm/100cm² α Total	Gross CPM β Total	Net CPM β Total	dpm/100cm² β Total	uR/hr
1	Ludlum Model 44-10/2221 A	0	0	< MDA	58	0	< MDA				63	4	< MDA	
2	Ludlum Model 44-10/2221 B	0	0	< MDA	77	4	< MDA				65	6	< MDA	
3	Ludlum Model 44-10/2221 C	1	0	< MDA	71	0	< MDA				53	0	< MDA	
4	Ludlum Model 44-9/2221	1	0	< MDA	78	5	< MDA				49	0	< MDA	
5	Trimble Geo XH GPS Unit (E16089)	1	0	< MDA	89	16	< MDA				55	0	< MDA	
6	Trimble Geo XH GPS Unit 4613457579	0	0	< MDA	66	0	< MDA				64	5	< MDA	
7	SAIC Grey Ford Explorer Front Tires	1	0	< MDA	86	13	< MDA				60	1	< MDA	
8	SAIC Grey Ford Explorer Rear Tires	2	1	< MDA	78	5	< MDA				68	9	< MDA	
9	SAIC Grey Ford Explorer Floor Board	0	0	< MDA	77	4	< MDA				64	5	< MDA	
10	SAIC GREY Ford Excape Front Tires	0	0	< MDA	77	4	< MDA				70	11	< MDA	

N/A

REMARKS:

TECHNICIAN(S) SIGNATURE/ DATE: [signature] / 10/28/08 /

REVIEWER SIGNATURE/ DATE: [signature] / 11/5/08 /

SAIC RADIOLOGICAL SURVEY REPORT (Supplement)

SURVEY LOCATION: Grants New Mexico

Contamination Limits: (dpm/100cm²)	Removable α 20	Removable βγ 1000	Total α N/A	Total βγ 5000
Instrument MDA: (dpm/100cm²)	α MDA 18.1	βγ MDA 110.6	α MDA N/A	βγ MDA 1215

Sample No.	Description / Location	Gross CPM α Removable	Net CPM α Removable	dpm/100cm α Removable	Gross CPM β Removable	Net CPM β Removable	dpm/100cm β Removable	Gross CPM α Total	Net CPM α Total	dpm/100cm α Total	Gross CPM β Total	Net CPM β Total	dpm/100cm β Total	uR/hr
11	SAIC Grey Ford Excape Rear Tires	1	0	< MDA	76	3	< MDA				75	16	< MDA	
12	SAIC Grey Ford Excape Floor Board	0	0	< MDA	78	5	< MDA				65	6	< MDA	
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														
25														

NA

REMARKS:

TECHNICIAN(S) SIGNATURE/ DATE: / 10/25/08 /

REVIEWER SIGNATURE/ DATE: / 11/5/08 /

SAIC RADIOLOGICAL SURVEY REPORT

SURVEY LOCATION: Grants New Mexico | HSWP: SM-08-001.0 | Page 1 of 1

PURPOSE OF SURVEY: Shipping Survey on Sample Coolers | DATE: 10/28/08 | TIME: 2200

Instrument Type(s):	Detector Area (cm²)	Serial Number: meter	Serial Number: detector	Cal. Due Date meter	Cal. Due Date detector	Background: (CPM) Alpha (α)	Background: (CPM) Beta (βγ)	Efficiency: (%) Alpha (α)	Efficiency: (%) Beta (βγ)
☑ Ludlum 2929 / 43-10-1	N/A	190602	PR199159	10/21/09	10/21/09	0.6	73	36.5%	38.6%
☐ Ludlum 2360 / 43-89	125	N/A							
☑ Ludlum 2221 / 44-9	15.5	202364	212133	10/15/09	10/15/09	NA	59	NA	20.5%
☑ Micro - R	N/A	C582J	NA	8/28/09	NA	NA	NA	NA	NA

Contamination Limits: (dpm/100cm²)	Removable α 20	Removable βγ 1000	Total α N/A	Total βγ 5000
Instrument MDA: (dpm/100cm²)	α MDA 18.1	βγ MDA 110.6	α MDA N/A	βγ MDA 1215

Sample No.	Description / Location	Gross CPM α Removable	Net CPM α Removable	dpm/100cm α Removable	Gross CPM β Removable	Net CPM β Removable	dpm/100cm β Removable	Gross CPM α Total	Net CPM α Total	dpm/100cm α Total	Gross CPM β Total	Net CPM β Total	dpm/100cm β Total	uR/hr
1	SAMPLE COOLER 1	1	0	< MDA	73	0	< MDA				61	2	< MDA	2
2	SAMPLE COOLER 2	3	2	< MDA	87	14	< MDA				62	3	< MDA	6
3	SAMPLE COOLER 3	2	1	< MDA	65	0	< MDA				74	15	< MDA	6
4														
5														
6														
7														
8														
9														
10														

N/A

REMARKS:

TECHNICIAN(S) SIGNATURE/ DATE: [signature] 10/28/08 /

REVIEWER SIGNATURE/ DATE: [signature] 11/5/08 /

SAIC RADIOLOGICAL SURVEY REPORT

SURVEY LOCATION: Grants New Mexico | HSWP: SM-08-001.0 | Page 1 of 1

PURPOSE OF SURVEY: Release Survey on Rental Sources and Equipment | DATE: 10/28/08 | TIME: 2200

Instrument Type(s):	Detector Area (cm²)	Serial Number: meter	Serial Number: detector	Cal. Due Date meter	Cal. Due Date detector	Background: (CPM) Alpha (α)	Background: (CPM) Beta (βγ)	Efficiency: (%) Alpha (α)	Efficiency: (%) Beta (βγ)
☑ Ludlum 2929 / 43-10-1	N/A	190602	PR199159	10/21/09	10/21/09	0.6	73	36.5%	38.6%
☐ Ludlum 2360 / 43-89	125	N/A							
☑ Ludlum 2221 / 44-9	15.5	202364	212133	10/15/09	10/15/09	NA	59	NA	20.5%
☑ Micro - R	N/A	C582J	NA	8/28/09	NA	NA	NA	NA	NA

Contamination Limits: (dpm/100cm²)	Removable α 20	Removable βγ 1000	Total α N/A	Total βγ 5000			
Instrument MDA: (dpm/100cm²)	α MDA 18.1	βγ MDA 110.6	α MDA N/A	βγ MDA 1215			

Sample No.	Description / Location	Gross CPM α Removable	Net CPM α Removable	dpm/100cm² α Removable	Gross CPM β Removable	Net CPM β Removable	dpm/100cm² β Removable	Gross CPM α Total	Net CPM α Total	dpm/100cm² α Total	Gross CPM β Total	Net CPM β Total	dpm/100cm² β Total	uR/hr
1	Shipping Container	0	0	< MDA	53	0	< MDA	N/A			85	26	< MDA	20
2														
3														
4														
5														
6														
7														
8														
9														
10														

N

REMARKS:

TECHNICIAN(S) SIGNATURE/ DATE: 10/28/08

REVIEWER SIGNATURE/ DATE: 11/5/08

From Science to Solutions™

Daily Tailgate Safety Briefing

Project/Site Location Name:

JW 10/20/09

Date: 10/20/09	**Temperature:** 45°F	**Wind:** Calm
Weather: Overcast		

Safety Moment Topic:	
Dangers that can occur while working on the job-site	
Task Descriptions:	**Associated Hazards:**
Visual walkover the work site	Steep slopes, cliffs, loose rock and soil,
San Mateo Mine Site New Mexico	wild animals, insects, animal burrows

Subcontractors Onsite:	**Equipment Onsite:**
N/A	N/A

Discussion Topics: (Check all items that apply and ensure their availability and use).

Personal Protective Equipment*	Review of Site-Specific Conditions	Monitoring Equipment, Calibration and Communication	Hazard Control Measures and Equipment
☐ Hard Hat	☑ Accessibility	☐ PID	☐ 1st Aid Kit
☑ Safety Boots	☐ Dig Permit	☐ OVA	☐ Eyewash
☐ Hearing Protection	☐ Site Controls	☐ CGI	☐ Fire Extinguisher
☐ Safety Glasses	☑ Site Hazards	☐ Horiba	☑ HASP
☐ Tyvek	☐ Decontamination Procedure/Hazard	☐ Calibration	☐ Exclusion Zone
☐ Respirator	☐ IDW Management	☑ Phones/Radios	☐ Chain of command
☐ Gloves	☑ Driving	☑ Emergency #'s	☑ Certification of personnel
		☐ Hospital Map	

*** Check PPE required in HASP. If crew is not using checked protection, state reason:**

Reason: _____

Task-specific Potential Emergencies (e.g., broken bone, drill rig hits power line, excavation cave-in)	Appropriate Emergency Response Procedures

Individuals attending daily tailgate meeting (signatures):

Name/Company	Signature	Date
James Winston SAIC	[signature]	10/20/~~09~~ 08 JW 10/20/08
Quentina Borgic SAIC	[signature]	10/20/~~09~~ 08

Site Safety and Health: Officer James Winston **(Printed Name)** [signature] **(Signature)** 10/20/~~09~~ 08 JW 10/20/08 **(Date)**

From Science to Solutions™

Daily Tailgate Safety Briefing

Project/Site Location Name:

Date: 10/21/09 & JW 10/21/09	**Temperature:** 40°	**Wind:** N/A
Weather: Clear Skies		
Safety Moment Topic: Dangers that can occur while performing GWS on the job site		
Task Descriptions:	**Associated Hazards:**	
GWS of the job site	Steep slopes, Cliffs, loose rock and soil	
San Mateo Mine Site New Mexico	wild animals, insects, animal burrows	

Subcontractors Onsite:	**Equipment Onsite:**
N/A	Radiological Surveying equipment

Discussion Topics: (Check all items that apply and ensure their availability and use).

Personal Protective Equipment*	Review of Site-Specific Conditions	Monitoring Equipment, Calibration and Communication	Hazard Control Measures and Equipment
☐ Hard Hat	☑ Accessibility	☐ PID	☐ 1st Aid Kit
☑ Safety Boots	☐ Dig Permit	☐ OVA	☐ Eyewash
☐ Hearing Protection	☐ Site Controls	☐ CGI	☐ Fire Extinguisher
☐ Safety Glasses	☑ Site Hazards	☐ Horiba	☑ HASP
☐ Tyvek	☐ Decontamination Procedure/Hazard	☐ Calibration	☐ Exclusion Zone
☐ Respirator	☐ IDW Management	☑ Phones/Radios	☐ Chain of command
☐ Gloves	☑ Driving	☑ Emergency #'s	☑ Certification of personnel
		☐ Hospital Map	

*** Check PPE required in HASP. If crew is not using checked protection, state reason:**
Reason: _____

Task-specific Potential Emergencies (e.g., broken bone, drill rig hits power line, excavation cave-in)	Appropriate Emergency Response Procedures

Individuals attending daily tailgate meeting (signatures):

Name/Company	Signature	Date JW 10/21/09
James Winston	James Winston	10/21/09
Quentin Borgic SAIC	Borgic	10/21/09

Site Safety and Health: Officer James Winston **(Printed Name)** James Winston **(Signature)** 10/21/09 JW 10/21/09 **(Date)**

From Science to Solutions™

Daily Tailgate Safety Briefing

Project/Site Location Name:

Date: 10/22/08	**Temperature:** 290 F	**Wind:** Calm
Weather: Clear		
Safety Moment Topic: Dangers that can occur while performing GWS on the Job site		
Task Descriptions:	**Associated Hazards:**	
GWS of the Job site	Steep slopes, cliffs, loose rock and soil	
San Mateo Mine Site New Mexico	wild animals, insects, animal burrows	

Subcontractors Onsite:	**Equipment Onsite:**
N/A	Radiological surveying equipment

Discussion Topics: (Check all items that apply and ensure their availability and use).

Personal Protective Equipment*	Review of Site-Specific Conditions	Monitoring Equipment, Calibration and Communication	Hazard Control Measures and Equipment
☐ Hard Hat	☑ Accessibility	☐ PID	☐ 1st Aid Kit
☑ Safety Boots	☐ Dig Permit	☐ OVA	☐ Eyewash
☐ Hearing Protection	☑ Site Controls	☐ CGI	☐ Fire Extinguisher
☐ Safety Glasses	☐ Site Hazards	☐ Horiba	☑ HASP
☐ Tyvek	☐ Decontamination Procedure/Hazard	☐ Calibration	☐ Exclusion Zone
☐ Respirator	☐ IDW Management	☑ Phones/Radios	☐ Chain of command
☐ Gloves	☑ Driving	☑ Emergency #'s	☑ Certification of personnel
		☐ Hospital Map	

*** Check PPE required in HASP. If crew is not using checked protection, state reason:**
Reason: _____

Task-specific Potential Emergencies (e.g., broken bone, drill rig hits power line, excavation cave-in)	Appropriate Emergency Response Procedures

Individuals attending daily tailgate meeting (signatures):

Name/Company	Signature	Date
James Winston SAIC	[signature]	10/22/08
Quentin Bogic SAIC	[signature]	10/22/08

Site Safety and Health: Officer James Winston **(Printed Name)** [signature] **(Signature)** 10/22/08 **(Date)**

From Science to Solutions™

Daily Tailgate Safety Briefing

Project/Site Location Name:

Date: 10/23/08	**Temperature:** 21° F	**Wind:** N/A
Weather: clear Skies		

Safety Moment Topic:	
Dangers that can occur while performing GWS on the Job site.	
Task Descriptions:	**Associated Hazards:**
GWS of the Job site	Steep slopes, cliffs, loose rocks and soil
San Mateo Mine Site New Mexico	wild animals, insects, animal burrows

Subcontractors Onsite:	**Equipment Onsite:**
N/A	Radiological Surveying Equipment

Discussion Topics: (Check all items that apply and ensure their availability and use).

Personal Protective Equipment*	Review of Site-Specific Conditions	Monitoring Equipment, Calibration and Communication	Hazard Control Measures and Equipment
☐ Hard Hat	☑ Accessibility	☐ PID	☐ 1st Aid Kit
☑ Safety Boots	☐ Dig Permit	☐ OVA	☐ Eyewash
☐ Hearing Protection	☑ Site Controls	☐ CGI	☐ Fire Extinguisher
☐ Safety Glasses	☐ Site Hazards	☐ Horiba	☑ HASP
☐ Tyvek	☐ Decontamination Procedure/Hazard	☐ Calibration	☐ Exclusion Zone
☐ Respirator	☐ IDW Management	☑ Phones/Radios	☐ Chain of command
☐ Gloves	☑ Driving	☑ Emergency #'s	☑ Certification of personnel
		☐ Hospital Map	

*** Check PPE required in HASP. If crew is not using checked protection, state reason:**
Reason: _____

Task-specific Potential Emergencies (e.g., broken bone, drill rig hits power line, excavation cave-in)	Appropriate Emergency Response Procedures

Individuals attending daily tailgate meeting (signatures):

Name/Company	Signature	Date
James Winston SATC	[illegible]	10/23/08
Quentina Boggis SA/C	[illegible]	10/23/08

Site Safety and Health: Officer James Winston **(Printed Name)** [illegible] **(Signature)** 10/23/08 **(Date)**

From Science to Solutions™

Daily Tailgate Safety Briefing

Project/Site Location Name:

Date: 10/24/06	**Temperature:** 25°F	**Wind:** Calm
Weather: Clear Skies		
Safety Moment Topic:		
Task Descriptions:	**Associated Hazards:**	
Gas of the Job site	Steep Slopes, Cliffs, loose rocks and soil	
San Mateo Mine Site New Mexico	wild animals, insects, animal burrows	

Subcontractors Onsite:	**Equipment Onsite:**
N/A	Radiological Surveying Equipment

Discussion Topics: (Check all items that apply and ensure their availability and use).

Personal Protective Equipment*	Review of Site-Specific Conditions	Monitoring Equipment, Calibration and Communication	Hazard Control Measures and Equipment
☐ Hard Hat	☑ Accessibility	☐ PID	☐ 1st Aid Kit
☑ Safety Boots	☐ Dig Permit	☐ OVA	☐ Eyewash
☐ Hearing Protection	☑ Site Controls	☐ CGI	☐ Fire Extinguisher
☐ Safety Glasses	☐ Site Hazards	☐ Horiba	☑ HASP
☐ Tyvek	☐ Decontamination Procedure/Hazard	☐ Calibration	☐ Exclusion Zone
☐ Respirator	☐ IDW Management	☑ Phones/Radios	☐ Chain of command
☐ Gloves	☑ Driving	☑ Emergency #'s	☑ Certification of personnel
		☐ Hospital Map	

*** Check PPE required in HASP. If crew is not using checked protection, state reason:**

Reason: _____

Task-specific Potential Emergencies (e.g., broken bone, drill rig hits power line, excavation cave-in)	Appropriate Emergency Response Procedures

Individuals attending daily tailgate meeting (signatures):

Name/Company	Signature	Date
James Winston SAIC	James Winston	10/24/08
Quentin Borgie SAIC	[illegible]	10/24/08

Site Safety and Health: Officer James Winston **(Printed Name)** James Winston **(Signature)** 10/24/08 **(Date)**

SAIC
From Science to Solutions™

Daily Tailgate Safety Briefing

Project/Site Location Name:
5 SW 10/25/04

Date: 10/27/04	**Temperature:** 25°F	**Wind:** Calm
Weather: Clear Skies		

Safety Moment Topic: Dangers that can occur while performing a GWS on the Job site	
Task Descriptions:	**Associated Hazards:**
GWS on the Jobsite	Steep slopes, cliffs, loose rocks and soil
San Mateo Mine Site New Mexico	Wild animals, insects, animal burrows

Subcontractors Onsite:	**Equipment Onsite:**
N/A	Radiological Surveying Equipment

Discussion Topics: (Check all items that apply and ensure their availability and use).

Personal Protective Equipment*	Review of Site-Specific Conditions	Monitoring Equipment, Calibration and Communication	Hazard Control Measures and Equipment
☐ Hard Hat	☑ Accessibility	☐ PID	☐ 1st Aid Kit
☑ Safety Boots	☐ Dig Permit	☐ OVA	☐ Eyewash
☐ Hearing Protection	☐ Site Controls	☐ CGI	☐ Fire Extinguisher
☐ Safety Glasses	☑ Site Hazards	☐ Horiba	☑ HASP
☐ Tyvek	☐ Decontamination Procedure/Hazard	☐ Calibration	☐ Exclusion Zone
☐ Respirator	☐ IDW Management	☑ Phones/Radios	☐ Chain of command
☐ Gloves	☑ Driving	☑ Emergency #'s	☑ Certification of personnel
		☐ Hospital Map	

*** Check PPE required in HASP. If crew is not using checked protection, state reason:**
Reason: _____

Task-specific Potential Emergencies (e.g., broken bone, drill rig hits power line, excavation cave-in)	Appropriate Emergency Response Procedures

Individuals attending daily tailgate meeting (signatures):

Name/Company	Signature	Date
James Winston SAIC	[illegible]	10/25/06
Quentin Bergic SAIC	[illegible]	10/25/06

Site Safety and Health: Officer James Winston **(Printed Name)** [illegible] **(Signature)** 10/25/06 **(Date)**

From Science to Solutions™

Daily Tailgate Safety Briefing

Project/Site Location Name:

Date: 10/26/06	**Temperature:** 35°F	**Wind:** Calm
Weather: Clear Skies		

Safety Moment Topic:	
Task Descriptions:	**Associated Hazards:**
GWS of the Jobsite	Steep Slopes, Cliffs, loose rocks and soil
San Mateo Mine Site New Mexico	wild animals, insects, animal burrows

Subcontractors Onsite:	**Equipment Onsite:**
N/A	Radiological Surveying Equipment

Discussion Topics: (Check all items that apply and ensure their availability and use).

Personal Protective Equipment*	Review of Site-Specific Conditions	Monitoring Equipment, Calibration and Communication	Hazard Control Measures and Equipment
☐ Hard Hat	☑ Accessibility	☐ PID	☐ 1st Aid Kit
☑ Safety Boots	☐ Dig Permit	☐ OVA	☐ Eyewash
☐ Hearing Protection	☐ Site Controls	☐ CGI	☐ Fire Extinguisher
☐ Safety Glasses	☑ Site Hazards	☐ Horiba	☑ HASP
☐ Tyvek	☐ Decontamination Procedure/Hazard	☐ Calibration	☐ Exclusion Zone
☐ Respirator	☐ IDW Management	☑ Phones/Radios	☐ Chain of command
☐ Gloves	☑ Driving	☑ Emergency #'s	☑ Certification of personnel
		☐ Hospital Map	

*** Check PPE required in HASP. If crew is not using checked protection, state reason:**

Reason: _____

Task-specific Potential Emergencies (e.g., broken bone, drill rig hits power line, excavation cave-in)	Appropriate Emergency Response Procedures

Individuals attending daily tailgate meeting (signatures):

Name/Company	Signature	Date
James Winston SAIC	James Winston	10/26/08
Quentan Borsic SAIC	[illegible]	10/26/08

Site Safety and Health: Officer James Winston **(Printed Name)** James Winston **(Signature)** 10/26/08 **(Date)**

SAIC
From Science to Solutions™

Daily Tailgate Safety Briefing

Project/Site Location Name:

Date: 10/27/06	**Temperature:** 32°F	**Wind:** Calm
Weather: Clear Skies		
Safety Moment Topic:		

Task Descriptions:	**Associated Hazards:**
GWS of the job site	steep slopes, cliffs, loose rock and soil
San Mateo Mine Site New Mexico	wildanimals, insects, animal burrows

Subcontractors Onsite:	**Equipment Onsite:**
N/A	Radiological Surveying Equipment

Discussion Topics: (Check all items that apply and ensure their availability and use).

Personal Protective Equipment*	Review of Site-Specific Conditions	Monitoring Equipment, Calibration and Communication	Hazard Control Measures and Equipment
☐ Hard Hat	☑ Accessibility	☐ PID	☐ 1st Aid Kit
☑ Safety Boots	☐ Dig Permit	☐ OVA	☐ Eyewash
☐ Hearing Protection	☐ Site Controls	☐ CGI	☐ Fire Extinguisher
☐ Safety Glasses	☑ Site Hazards	☐ Horiba	☑ HASP
☐ Tyvek	☐ Decontamination Procedure/Hazard	☐ Calibration	☐ Exclusion Zone
☐ Respirator	☐ IDW Management	☑ Phones/Radios	☐ Chain of command
☐ Gloves	☑ Driving	☑ Emergency #'s	☑ Certification of personnel
		☐ Hospital Map	

*** Check PPE required in HASP. If crew is not using checked protection, state reason:**
Reason: _____

Task-specific Potential Emergencies (e.g., broken bone, drill rig hits power line, excavation cave-in)	Appropriate Emergency Response Procedures

Individuals attending daily tailgate meeting (signatures):

Name/Company	Signature	Date
James Winston SAIC	James Winston	10/27/08
Quentin Borge SAIC	[illegible]	10/27/08

Site Safety and Health: Officer James Winston **(Printed Name)** James Winston **(Signature)** 10/27/08 **(Date)**

From Science to Solutions™

Daily Tailgate Safety Briefing

Project/Site Location Name:
28 SW 10/28/08

Date: 10/28/08	**Temperature:** 24°F	**Wind:** Calm
Weather: Clear Skies		

Safety Moment Topic:	
Task Descriptions:	**Associated Hazards:**
GWS at the Sobsite, Soil Sampling	Steep Slopes, Cliffs, loose rock and Soil
San Mateo Minesite New Mexico	Wild animals, insects, animal burrows

Subcontractors Onsite:	**Equipment Onsite:**
N/A	Radiological Surveying Equipment
	Soil Sampling Equipment

Discussion Topics: (Check all items that apply and ensure their availability and use).

Personal Protective Equipment*	Review of Site-Specific Conditions	Monitoring Equipment, Calibration and Communication	Hazard Control Measures and Equipment
☐ Hard Hat	☑ Accessibility	☐ PID	☐ 1st Aid Kit
☑ Safety Boots	☐ Dig Permit	☐ OVA	☐ Eyewash
☐ Hearing Protection	☐ Site Controls	☐ CGI	☐ Fire Extinguisher
☑ Safety Glasses	☑ Site Hazards	☐ Horiba	☑ HASP
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Reason: _____

Task-specific Potential Emergencies (e.g., broken bone, drill rig hits power line, excavation cave-in)	Appropriate Emergency Response Procedures

Individuals attending daily tailgate meeting (signatures):

Name/Company	Signature	Date
James Winston SAIC	James Winston	10/28/08
Quentin Borgie SAIC	[illegible]	10/28/08
Twinky Murray SAIC	[illegible]	10/28/08

Site Safety and Health: Officer James Winston **(Printed Name)** James Winston **(Signature)** 10/28/08 **(Date)**