



TETRA TECH, INC.

HEALTH AND SAFETY PLAN COMPLIANCE AGREEMENT

Project Name: T035 Removal Assessment OCRM

Project Number: T035

I have read and understand the health and safety plan indicated above and agree to comply with all of its provisions. I understand that I could be prohibited from working on the project for violating any of the safety requirements specified in the plan.

Name	Signature	Employer	Date
Billy Baray		Tt	11/14/22
Christine Phillips		Tt	11/14/22
Anya Mikhecheva		Tt	11/14/22
SEAN KITE		Tt	11-14-22
Sam Conner		Tt	11-14-22
TREYDEN DECHEE		DCRM	11/14/22
Robranda Alstang		DCRM	11/14/22
Cris D'Onofrio		NNEPA	11/14/22
Kengen Larson		US EPA	11/14/22
Justin Bleiler		NNEPA	11/14/22
Margaret Carolan		Tetra Tech	11/16/22
Al Scott		Tt	11/16/22
Jim Herning		Tt	11/16/22
Alison Creech		Tt	11/19/22



TETRA TECH, INC.

DAILY TAILGATE SAFETY MEETING FORM

Date: 11/14/22 Time: 0945 Project No.: 35

Client: EPA Site Location: OCRM

Site activities planned for today: Gamma Scanning

Current weather conditions: Cold, Clear

Safety Topics Discussed
Protective Clothing and Equipment: <u>Warm clothes</u>
Chemical and Physical Hazards: <u>Radiological internal + external, ALARA practices, PCBs near IX building</u>
Equipment hazards identified for activities planned for today: <u>Potential heavy equipment</u>
Review of emergency procedures from HASP (including muster point locations): <u>Muster point at road, route to hospital in Gallup</u>
Other: <u>Trips, Slips, Falls, presence of PRP on site</u>



TETRA TECH, INC.
DAILY TAILGATE SAFETY MEETING FORM

Sign In Signature and Time	Sign Out Signature and Time
Seth Clark 09:46	
Milly Baird 09:46	
Angie Mukhacheva 9:46	
Christine Phillips 9:46	
SEAN KITE 9:46	
Cris Donadio 9:46	
Kendon Larsen 9:46	
TREYDEN DECKER 9:46	
Robb - Alaburg 9:48	
Justin Bleiler 9:48	

Meeting Conducted by:

Marcus Quinlan
Name

[Signature]
Signature



TETRA TECH, INC.
DAILY TAILGATE SAFETY MEETING FORM

Date: 11/15/22 Time: 0845 Project No.: TO35
Client: EPA Site Location: OCRM
Site Activities Planned for Today: Camera Scanning
Weather Conditions: Cold, Clear

Safety Topics Discussed	
Protective clothing and equipment: <u>Masks in high wind, clothes for cold</u>	
Chemical and physical hazards: <u>slips trips falls, dark wire, cacti, blowing dust</u>	
Emergency procedures: 	
Equipment hazards: 	
Other: <u>Dogs,</u>	
Attendees	
Printed Name	Signature
<u>Braden Belliveau</u>	<u>[Signature]</u>
<u>Marcus Quinlan</u>	<u>[Signature]</u>
<u>Rubens Alsburg</u>	<u>[Signature]</u>
<u>TREYDEN DECHRE</u>	<u>[Signature]</u>

Meeting Conducted by:

Braden Belliveau
Name

[Signature]
Signature



TETRA TECH, INC.

DAILY TAILGATE SAFETY MEETING FORM

Date: 11/16/22 Time: 0945 Project No.: 35
Client: EPA Site Location: OCRM
Site activities planned for today: Gamma Scans, BSAs
Current weather conditions: Cool, Clear

Safety Topics Discussed
Protective Clothing and Equipment: <u>warm clothes, gloves, gators</u>
Chemical and Physical Hazards: <u>Radiation, inhalation and ingestion, heavy metals</u>
Equipment hazards identified for activities planned for today: <u>XRF radiation</u>
Review of emergency procedures from HASP (including muster point locations):
Other: <u>Rest in car if too cold</u>



TETRA TECH, INC.
DAILY TAILGATE SAFETY MEETING FORM

Sign In Signature and Time	Sign Out Signature and Time
<i>PC Smith</i> 9:52	
<i>[Signature]</i> 9:52	
<i>[Signature]</i> 9:53	
<i>Margaret Handman</i> 9:53	
<i>John Wren</i> 9:53	
<i>[Signature]</i> 9:53	
<i>[Signature]</i> 9:53	
<i>[Signature]</i> 9:53	
<i>Braden Belliveau</i> 0953	
<i>Aleahh Smith</i> 9:53	
<i>TREYDEN DECHEE</i> 9:55	
<i>Robrend Alsbury</i> 09:55	
<i>Darren Vanover</i> 09:55	

Meeting Conducted by:

Name

Signature



TETRA TECH, INC.

DAILY TAILGATE SAFETY MEETING FORM

Date: 11/17/22 Time: 0845 Project No.: 35

Client: EPA Site Location: OCRM

Site activities planned for today: Soil Sampling

Current weather conditions: Cold, clear

Safety Topics Discussed
Protective Clothing and Equipment: <u>wear warm clothes, gloves, nitriles while sampling</u>
Chemical and Physical Hazards: <u>Radiation ALARA and heavy metals - wash hands between sampling</u>
Equipment hazards identified for activities planned for today: <u>Heavy metals and elevated gamma.</u>
Review of emergency procedures from HASP (including muster point locations): <u>Muster at parking lot</u>
Other:



Meeting Conducted by:

Signature Ming Chen



TETRA TECH, INC.
DAILY TAILGATE SAFETY MEETING FORM

Date: 11/18/22 Time: 0855 Project No.: 7035
Client: EPA Site Location: _____
Site activities planned for today: Gamma Scanning Stepouts, Homesites,
Current weather conditions: Cold, clear

Safety Topics Discussed
Protective Clothing and Equipment: <u>Warm clothes</u>
Chemical and Physical Hazards: <u>_____</u>
Equipment hazards identified for activities planned for today: <u>Trips, slips, falls</u>
Review of emergency procedures from HASP (including muster point locations): <u>Muster at cars, Rehoboth medical in Gallup</u>
Other:



Meeting Conducted by:

Signature



TETRA TECH, INC.
DAILY TAILGATE SAFETY MEETING FORM

Date: 11/19/22 Time: 0910 Project No.: 35
Client: EPA Site Location: CCRM
Site activities planned for today: XRF, Gamma, Correlation Study
Current weather conditions: cloudy, clear

Safety Topics Discussed
Protective Clothing and Equipment: <u>warm clothes</u>
Chemical and Physical Hazards: <u>slips, trips, falls</u>
Equipment hazards identified for activities planned for today: <u>XRF radiation</u>
Review of emergency procedures from HASP (including muster point locations): <u>muster at main gate</u>
Other: <u>masks if talking to residents.</u>



TETRA TECH, INC.
DAILY TAILGATE SAFETY MEETING FORM

Sign In Signature and Time	Sign Out Signature and Time
Anya Mikhacheva 9:10am	
Briden Belliveau 0910	
Milly Bean 0910	
Sean K. 0910	
James Kern 0910	
Aaron Orchwa 0910	
Adesah Foguth 9:10	
Darren Vanover T.10	
Robread. Alsburg 9:15	
Christopher 0915	
TREYDEN DECHG 0915	

Meeting Conducted by:

Marcus Quilan
Name

[Signature]
Signature



Safety Topics Discussed
Protective Clothing and Equipment: Warm clothes, gators
Chemical and Physical Hazards: Slips, trips, falls, traffic
Equipment hazards identified for activities planned for today: _____
Review of emergency procedures from HASP (including muster point locations):
Other:

Old Church Rock Mine Removal Assessment
November 2022

Soil Sampling Form

Site Name:

OCRM BSA 2

Date:

11/16/22

Area ID:

BSA 2 (B02)

Weather:

Sunny + Cold

Sampling Team:

Margaret Carolyn, Jim Herring, Al Scott

BSA

OCRM-B01-SS01-01-112222

Surface

OCRM-SS01-01-112222

Subsurface

OCRM-SB01-0612-01-112222

Correlation

OCRM-CORR01-01-112222

Soil Sample Location	Depth (in)	Date (MM/DD/YY)	Time (MST)	Field Sample ID	Duplicate?	Duplicate ID and Time (MST)		Static Gamma (10s)	Notes
OCRM-B02-SS01	30"	11/16/22	10:34	OCRM-B02-SS01-01-111622		13953 12908 14802	13298 13987 14259	Shielded 4024 3532 2426 4571 Unshielded 12455 13402 12768 12847	3770 5115 4013 3531 4735 3980
OCRM-B02-SS02			10:42	OCRM-B02-SS02-01-111622		12967 13091 14305	13368 13903 14780	Shielded 4014 5280 4112 3825 Unshielded 14495 13834 14365 13633	3272 4197 4018 3938 4811 4441
OCRM-B02-SS03			10:48	OCRM-B02-SS03-01-111622		14227 13138 13083	13805 13311 15700	Shielded 4080 3541 3936 4776 Unshielded 14473 13904 15057 13894	3801 3273 4174 4385 4239 3800
OCRM-B02-SS04			10:53	OCRM-B02-SS04-01-111622		14554 14843 13072	13730 13908 13812	Shielded 4050 3822 3979 4307 Unshielded 13977 13058 13172 13195	4061 3995 4008 4166 4002 4101
OCRM-B02-SS05			10:58	OCRM-B02-SS05-01-111622		13064 13076 13032	13333 13699 14636	Shielded 3509 4057 3800 3855 Unshielded 14407 13167 14673 12580	4387 4250 4781 4509 4212 4122
OCRM-B02-SS10			11:06 11:05	OCRM-B02-SS10-01-111622	Yes	14988 15236 12396 OCRM-B02-SS10-02-111622	13544 13867 14075	Shielded 3944 4289 3883 3795 Unshielded 14521 13597 13433 14664	3914 3776 4542 4565 4167 4070

2022

Soil Sampling Form

Site Name:

OCRM

Date:

11/16/22

Area ID:

Weather:

Sunny Cold

Sampling Team:

BSA OCRM-B01-SS01-01-112222
 Surface OCRM-SS01-01-112222
 Subsurface OCRM-SB01-0812-01-112222
 Correlation OCRM-CORR01-01-112222

Soil Sample Location	Depth (in)	Date (MM/DD/YY)	Time (MST)	Field Sample ID	Duplicate?	Duplicate ID and Time (MST)	Static Gamma (10s)	Notes
OCRM B02-SS09	3-6"	11/16/22	11:11	OCRM-B02 SS09-01-11/16/22		14699 14999 13311 14496 13459 13665	Shielded 4506 3776 4089 4455 Unshielded 13955 14475 13574 14524	7438 3856 3922 4013 3618 3590
OCRM B02-SS08			11:16	OCRM-B02 SS08-01-11/16/22		14732 13298 14077 11940 13322 14950	Shielded 3730 4459 4331 4711 Unshielded 13602 15799 13495 14314	3517 4858 3983 3707 4157 3566
OCRM B02-SS07			11:20	OCRM-B02 SS07-01-11/16/22		13695 13601 14903 14104 14870 13323	Shielded 3843 4439 6440 3446 Unshielded 13723 13213 14527 13793	3780 3671 4042 4086 3581 3450
OCRM B02-SS06			11:25	OCRM-B02 SS06-01-11/16/22		14097 13061 12852 12876 14356 12836	Shielded 3965 5113 4886 4772 Unshielded 13607 13398 13114 13790	5205 4254 4639 4328 3807 4132
OCRM B02-SS11			11:31	OCRM-B02 SS11-01-11/16/22		12468 12643 13034 13146 13338 13038	Shielded 3621 3850 3821 3721 Unshielded 13646 13661 14098 12742	3652 4149 3784 3642 3843 3966
OCRM B02-SS12			11:34	OCRM-B02 SS12-01-11/16/22		13848 13650 13744 14200 12963 13236	Shielded 4541 3575 3551 3981 Unshielded 14577 13318 13450 13505	4237 3562 3944 4327 3705 3588

Old Church Rock Mine Removal Assessment
November 2022

Soil Sampling Form

Site Name: OCRM Date: 11/16/22
Area ID: _____ Weather: Sunny cold Breezy
Sampling Team: _____

BSA OCRM-B01-SS01-01-112222
Surface OCRM-SS01-01-112222
Subsurface OCRM-SB01-0612-01-112222
Correlation OCRM-CORR01-01-112222

Soil Sample Location	Depth (in)	Date (MM/DD/YY)	Time (MST)	Field Sample ID	Duplicate?	Duplicate ID and Time (MST)	Static Gamma (10s)	Notes
OCRM-B02 SS13	0-6"	11/16/22	11:39	OCRM-B02 SS13 -01-111622		14086 13132 12942 13534 13689 13944	Shielded 3509 3427 3565 3318 Unshielded 13336 13450 12923 13610	3684 3751 3384 4630 3646 3502
OCRM-B02 SS14			11:44	OCRM-B02 SS14 -01-111622		13590 14672 13959 13862 14098 14451	Shielded 3961 3345 3759 3711 Unshielded 14314 14057 13461 13781	4031 3827 3787 3771 4143 4291
OCRM-B02 SS15			11:49	OCRM-B02 SS15 -01-111622		13688 14576 13563 13466 13157 14287	Shielded 3767 3315 4089 4347 Unshielded 13459 13490 13930 14696	4253 3603 3405 3456 3534 3896
OCRM-B02 SS20			11:54 H:55	OCRM-B02 SS20 -01-111622	Yes	13539 13291 13436 13655 14139 13326 OCRM-B02 SS20-02-111622	Shielded 3468 3963 3787 4106 Unshielded 13403 13789 12811 12485	4643 3082 4660 3603 3579 4189
OCRM-B02 SS19			12:03	OCRM-B02 SS19 -01-111622		13802 12245 13395 14260 13921 13175	Shielded 4392 3749 3891 4336 Unshielded 13729 11908 13504 12960	4109 3481 3796 3813 4273 3257
OCRM-B02 SS18			12:07	OCRM-B02 SS18 -01-111622		15095 15186 14908 14289 13883 13404	Shielded 3609 3993 3749 4203 Unshielded 15170 13496 13759 14063	5097 4645 3771 3995 4009 4553

Soil Sampling Form

Site Name:

OCRM

Date:

11/16/22

Area ID:

Weather:

Sunny Windy Cold Breezy

Sampling Team:

BSA

OCRM-B01-SS01-01-112222

Surface

OCRM-SS01-01-112222

Subsurface OCRM-SB01-0612-01-112222

Correlation OCRM-CORR01-01-112222

Soil Sample Location	Depth (in)	Date (MM/DD/YY)	Time (MST)	Field Sample ID	Duplicate?	Duplicate ID and Time (MST)	Static Gamma (10s)	Notes
OCRM-B02 SS17	0-6"	11/16/22	12:11	OCRM-B02 SS17 -01-11/16/22		13443 14883 13257 13700 13576 13729	Shielded 5650 5601 3840 3923 Unshielded 13575 13736 13747 13062	3833 3540 4530 3988 4230 4094
OCRM-B02 SS16			12:16	OCRM-B02 SS16 -01-11/16/22		13537 1413446 12744 12865 13425 14100	Shielded 3222 4341 3854 3927 Unshielded 14380 13581 14029 13076	3427 3490 4391 5724 4706 3761
OCRM-B02 SS21			12:21	OCRM-B02 SS21 -01-11/16/22		12797 13483 14279 13037 13551 13794	Shielded 3955 4040 3991 4333 Unshielded 13768 13370 14345 13005	4786 3929 4251 4361 3938 5035
OCRM-B02 SS22			12:26	OCRM-B02 SS22 -01-11/16/22		13503 13630 13605 15156 13541 13218	Shielded 4183 3906 3991 4038 Unshielded 13386 13332 13295 13847	3752 3421 3998 4286 4394 4147
OCRM-B02 SS23			12:30	OCRM-B02 SS23 -01-11/16/22		12682 13126 12228 13164 13347 13195	Shielded 4230 3595 4833 3584 Unshielded 13173 12877 14013 13743	3776 4653 3907 4683 4417 4144
OCRM-B02 SS24	✓	✓	12:37	OCRM-B02 SS24 -01-11/16/22		13447 13712 12607 13000 12748 13093	Shielded 3594 4614 4070 3458 Unshielded 13006 14019 13211 12787	5122 4053 3733 3428 3681 4061

Old Church Rock Mine Removal Assessment
November 2022

Soil Sampling Form

Site Name:

OCRM

Date:

11/16/22

Area ID:

Weather:

Sunny Breezy Cold

Sampling Team:

BSA

OCRM-B01-SS01-01-112222

Surface

OCRM-SS01-01-112222

Subsurface

OCRM-SB01-0612-01-112222

Correlation

OCRM-CORR01-01-112222

Soil Sample Location	Depth (in)	Date (MM/DD/YY)	Time (MST)	Field Sample ID	Duplicate?	Duplicate ID and Time (MST)		Static Gamma (10s)		Notes	
OCRM-B02 SS25	0-6"	11/16/22	12:42	OCRM-B02 SS25-01-111622		13106 13728 13962	13378 14161 13051	Shielded 3227 4718 3594 4599	4718 4185 3718 3617 3767 3921		
								Unshielded 12632 13409 13745 13634			
OCRM-B02 SS30			12:48	OCRM-B02 SS30-01-111622		13704 13607 14550	13663 14135 13020	Shielded 3678 4203 3700 4637	4755 4712 3915 4155 3386 4749		
								Unshielded 14577 13139 12405 14511			
OCRM-B02 SS29			12:53	OCRM-B02 SS29-01-111622		14305 12633 12581	12585 13484 13957	Shielded 4082 3580 3855 4105	3924 3759 3850 4330 4384 4088		
								Unshielded 13547 13993 13551 13155			
OCRM-B02 SS28			12:57	OCRM-B02 SS28-01-111622		13908 13437 13051	13809 12438 14156	Shielded 3280 3644 3553 4002	4164 4555 4419 3742 4704 4117		
								Unshielded 13499 12166 13945 13819			
OCRM-B02 SS27			13:01	OCRM-B02 SS27-01-111622		13091 13858 13726	13034 12487 13221	Shielded 3731 3942 3841 3868	5352 4314 3847 4286 4798 4676		
								Unshielded 13550 13527 14141 13069			
OCRM-B02 SS26	✓	✓	13:06	OCRM-B02 SS26-01-111622		12771 13027 13142	13627 13578 13148	Shielded 3877 4713 3909 3725	4550 4046 4426 4677 4742 4061		
								Unshielded 12582 13426 13236 12775			

Old Church Rock Mill Removal Assessment
November 2022

Soil Sampling Form

Site Name: OCRM Date: 11/16/22
Area ID: _____ Weather: Sunny Breezy Cold
Sampling Team: Marcus Quisenberry, Margaret Quisenberry, Jim Herring, Al Scott

BSA OCRM-B01-SS01-01-112222
Surface OCRM-SS01-01-112222
Subsurface OCRM-SB01-0612-01-112222
Correlation OCRM-CORR01-01-112222

Soil Sample Location	Depth (in)	Date (MM/DD/YY)	Time (MST)	Field Sample ID	Duplicate?	Duplicate ID and Time (MST)	Static Gamma (10s)	Notes
OCRM-SS2975	0-3	11/16/22	14:31	OCRM-SS2975-01-111622			Shielded	
	0-6"						Unshielded	
OCRM-SS3006	0-6		14:38	OCRM-SS3006-01-111622			Shielded	
							Unshielded	
OCRM-SS2946A	0-6		14:44	OCRM-SS2946A-01-111622			Shielded	
							Unshielded	
OCRM-SS2946B	Scrape		14:47	OCRM-SS2946B-01-111622			Shielded	Inside Door on Concrete
							Unshielded	
OCRM-SS3099	0-6		15:03	OCRM-SS3099-01-111622			Shielded	
							Unshielded	
OCRM-SS2738	✓	✓	15:13	OCRM-SS2738-01-111622			Shielded	
	✓						Unshielded	

Old Church Rock Mill Removal Assessment
November 2022

Soil Sampling Form

Site Name: OCRM

Area ID: _____

Sampling Team: _____

Date: 11/16/22

Weather: Sunny Breezy COLD

BSA OCRM-B01-SS01-01-112222
Surface OCRM-SS01-01-112222
Subsurface OCRM-SB01-0612-01-112222
Correlation OCRM-CORR01-01-112222

Soil Sample Location	Depth (in)	Date (MM/DD/YY)	Time (MST)	Field Sample ID	Duplicate?	Duplicate ID and Time (MST)	Static Gamma (10s)	Notes
OCRM-SS2679	0-6"	11/16/22	15:21	OCRM-SS2679 - 01-111622			Shielded	
							Unshielded	
OCRM-SS2217			15:28	OCRM-SS2217 - 01-111622			Shielded	
							Unshielded	
OCRM-SS2225			15:35	OCRM-SS2225 - 01-111622			Shielded	
							Unshielded	
OCRM-SS1804			15:44	OCRM-SS1804 - 01-111622			Shielded	
							Unshielded	
							Shielded	
							Unshielded	
							Shielded	
							Unshielded	

Old Church Rock Mine Removal Assessment
November 2022

Soil Sampling Form

Site Name:

OCRM

Area ID:

Date:

11/17/22

Weather:

Sunny Breezy Cold

Sampling Team:

BSA

OCRM-B01-SS01-01-112222

Surface

OCRM-SS01-01-112222

Subsurface OCRM-SB01-0612-01-112222

Correlation OCRM-CORR01-01-112222

Soil Sample Location	Depth (in)	Date (MM/DD/YY)	Time (MST)	Field Sample ID	Duplicate?	Duplicate ID and Time (MST)	Static Gamma (10s)	Notes
OCRM - SS02	0-3"	11/17/22	09:24	OCRM-SS02 - 01-111722			Shielded	
							Unshielded	
OCRM - SS17			09:43	OCRM-SS17 - 01-111722			Shielded	
							Unshielded	
OCRM - SS10			09:57	OCRM-SS10 - 01-111722			Shielded	
							Unshielded	
OCRM - SS13			10:06	OCRM-SS13 - 01-111722			Shielded	
							Unshielded	
OCRM - SS11			10:17 10:06	OCRM-SS11 - 01-111722			Shielded	
							Unshielded	
OCRM - SS09	✓	✓	10:27	OCRM-SS09 - 01-111722			Shielded	
							Unshielded	

Old Church Rock Mine Removal Assessment
November 2022

Soil Sampling Form

Site Name: OCRM Date: 11/17/22
Area ID: _____ Weather: Sunny Breezy Cold
Sampling Team: _____

BSA OCRM-B01-SS01-01-112222
Surface OCRM-SS01-01-112222
Subsurface OCRM-SB01-0612-01-112222
Correlation OCRM-CORR01-01-112222

Soil Sample Location	Depth (in)	Date (MM/DD/YY)	Time (MST)	Field Sample ID	Duplicate?	Duplicate ID and Time (MST)	Static Gamma (10s)	Notes
OCRM - SS06	0-3"	11/17/22	10:41	OCRM-SS06 - 01-11722			Shielded	
							Unshielded	
OCRM - SS05			10:49	OCRM-SS05 - 01-111722			Shielded	
							Unshielded	
OCRM - SS07			10:59	OCRM-SS07 - 01-111722			Shielded	
							Unshielded	
OCRM - SS08			11:08	OCRM-SS08 - 01-111722	Yes		Shielded	
							Unshielded	
OCRM - SS12			11:21 H	OCRM-SS12 - 01-111722	Yes	OCRM-SS12 - 02-111722	Shielded	
							Unshielded	
OCRM - SS16	v	v	11:31	OCRM-SS16 - 01-111722			Shielded	
							Unshielded	

Soil Sampling Form

Site Name:

Area ID:

Sampling Team:

OCRM

Date:

11/17/22

Weather:

Sunny Breezy Cld

BSA

OCRM-B01-SS01-01-112222

Surface

OCRM-SS01-01-112222

Subsurface

OCRM-SB01-0612-01-112222

Correlation

OCRM-CORR01-01-112222

Soil Sample Location	Depth (in)	Date (MM/DD/YY)	Time (MST)	Field Sample ID	Duplicate?	Duplicate ID and Time (MST)	Static Gamma (10s)	Notes
OCRM - SS18	0-3"	11/17/22	11:36	OCRM-SS18 - 01-11/17/22 11722			Shielded	
							Unshielded	
OCRM - SS25			11:42	OCRM-SS25 - 01- 11/17/22 11722			Shielded	
							Unshielded	
OCRM - SS20			11:47	OCRM-SS20 - 01-11/722			Shielded	
							Unshielded	
OCRM - SS23			11:52	OCRM-SS23 - 01-11722			Shielded	
							Unshielded	
OCRM - SS26			11:58	OCRM-SS26 - 01-11722			Shielded	
							Unshielded	
OCRM - SS27	✓	✓	12:04	OCRM-SS27 - 01-11722			Shielded	
							Unshielded	

Old Church Rock Mine Removal Assessment
November 2022

Soil Sampling Form

Site Name:

OCRM

Area ID:

Date:

11/17/22

Weather:

Sunny

Sampling Team:

BSA

OCRM-B01-SS01-01-112222

Surface

OCRM-SS01-01-112222

Subsurface

OCRM-SB01-0612-01-112222

Correlation

OCRM-CORR01-01-112222

Soil Sample Location	Depth (in)	Date (MM/DD/YY)	Time (MST)	Field Sample ID	Duplicate?	Duplicate ID and Time (MST)	Static Gamma (10s)	Notes
OCRM-SS24	0-3"	11/17/22	12:09	OCRM-SS24 - 01-111722			Shielded	
							Unshielded	
OCRM-SS35	1	11/17/22	13:05	OCRM-SS35 - 01-111722			Shielded	
							Unshielded	
OCRM-SS32	1	11/17/22	13:11	OCRM-SS32 - 01-111722			Shielded	
							Unshielded	
OCRM-SS31	1	11/17/22	13:17	OCRM-SS31 - 01-111722			Shielded	
							Unshielded	
OCRM-SS30	1	11/17/22	13:25	OCRM-SS30 - 01-111722			Shielded	
							Unshielded	
OCRM-SS29	✓	✓	13:31	OCRM-SS29 - 01-111722			Shielded	
							Unshielded	

Old Church Rock M Removal Assessment
November 2022

Soil Sampling Form

Site Name:

OCRM

Date:

11/17/22

Area ID:

Weather:

Sunny

Sampling Team:

BSA

OCRM-B01-SS01-01-112222

Surface

OCRM-SS01-01-112222

Subsurface

OCRM-SB01-0612-01-112222

Correlation

OCRM-CORR01-01-112222

Soil Sample Location	Depth (in)	Date (MM/DD/YY)	Time (MST)	Field Sample ID	Duplicate?	Duplicate ID and Time (MST)	Static Gamma (10s)	Notes
OCRM - SS 34	0-3"	11/17/22	13:37	OCRM-SS34 - 01-111722			Shielded	
							Unshielded	
OCRM - SS 36	1	11/17/22	13:53	OCRM-SS36 - 01-111722			Shielded	
							Unshielded	
OCRM - SS 28	1	11/17/22	14:14	OCRM-SS28 - 01-111722	Yes	OCRM-SS28 02-111722	Shielded	
			14:13				Unshielded	
OCRM - SS 19	1	11/17/22	14:26	OCRM-SS19 - 01-111722			Shielded	
							Unshielded	
OCRM - SS 21	1	11/17/22	14:38	OCRM-SS21 - 01-111722			Shielded	
							Unshielded	
OCRM - SS	2	11/17/22					Shielded	
							Unshielded	



Rite in the Rain®

ALL-WEATHER

FIELD

Nº 351FX

T035 task 3

Old Church Rock Mine

Removal Assessment

Church Rock, NM

11/19 - 11/20

MADE IN TACOMA

— SINCE 1916 —

Rite in the Rain®

— DEFYING MOTHER NATURE —

Name Marcus QuinlanAddress 3801 Automation Way
Fort Collins, CO 80525Phone 269-924-7059Project Old Church Rock Mine
Removal Assessment**RiteintheRain.com****CONTENTS**

PAGE

REFERENCE

DATE

11/14/22

11/14

OCRM Removal Assessment

Weather: Cold, clear

Planned daily activities: gamma scan primary
fenced area of OCRM

Tt Team: Seth Crank
Molly Baron
Sean Kite
Christine Phillips
Anya Mikheicheva

0730 Gamma meter fitting

0830 Arrived on site

0915 Met w/ Kenyon (EPA), Justin, Cris (EPA)
and David (NuFuels)
David agreed to build a fence
along the arroyo

0930 Signed in to NuFuels sign-in

0935 DCRM arrives

Wan Quil

11/14/22

0945 Conducted MRS

Present: Trey, DCRM
Roe, DCRM

1010 Start Kenyon, EPA
Cris, EPA
Justin, EPA
Seth, Tt
Molly, Tt
Anya, Tt
Sean, Tt
Christine, Tt
Marcus, Tt

1010 Began gamma scanning
Molly - Blue
Seth - Red
Anya - Yellow
Sean - Black
Christine - Orange

1010 Marcus walk site w/EPA

Wan Quil
Kite in the Rain

Site walk notes

11/14/22

- NuFuels has brought new material for roads and staging areas
- NuFuels has put a road through the arroyo
- NuFuels has graded and marked 7 boreholes
- Identified 4 locations around IX building for RAB soil analysis -
- Berm present outside map - expand gamma

Meetings w/ Residents

Johnny Livingston not at home

Larry King not at home

Rita King at home - discussed our presence and conveyed EPA's desire to scan the King's niece, Rita said would need Larry's permission - Larry might be at the chapterhouse

chapterhouse - nobody present

1345 Returned to OCRM

Mr. King

11/14/22

1400 Kenyon will provide technical direction to include BSA-2, an alternate, as a primary BSA, which will include the collection of an additional 30 soil samples for metals and radioisotope analysis

1515 Met with Larry King

Showed daily gamma scan to show extent of contamination at OCRM

Larry did not realize the heavy equipment on site was NuFuels, he thought it was EPA doing cleanup

Larry said he road to Johnny Livingston's house is new and that he won't speak up against NuFuels

Asked if we would scan his niece's home, we will need access agreement signed by her

1715 Obtained access agreement from Franene. Her mother, present, asked for hers to be scanned.

Mr. King

Rita in the Rain

11/15

Site: OCRM

Planned: Gamma scan BSA's,
correlation plots, drainages

Weather: cold, clear

Team: Marcus, Braden (TL)
Roe, Trey (DCRM)

0835 Arrive

0845 H+S w/ team led by Braden

0855 Began scanning BSA-2

0935 Completed BSA-2

0955 Started BSA-1

1015 Completed BSA-1

1030 Signed into site w/ NuFuels

1040 Began scanning correlation plots
<1m transect spacing

1225 Completed 9th correlation plot

Munier

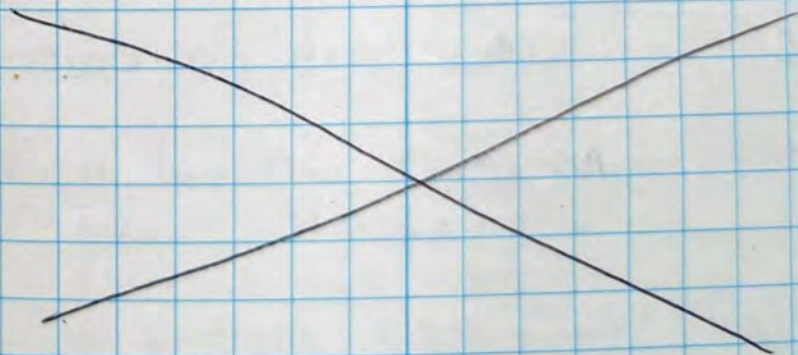
11/15

1230 Break for lunch

1305 Started scanning arrayo

Fences found installed in arrayo
at 3 different locationsBraden indicated these were not
present in August TO33 event.1430 Arrayo cliff faces increasing
gamma - geometry impact
Moving away from cliff faces
brings gamma below ~~IL~~ IL.

1545 Arrayo scanning finished, demob



Munier

11/16

Weather: cool, clear

Site: OCRM

Planned Activities: Stepouts gamma scanning
BSA XRF and BSA Soil SamplingGamma Team: Sean - black
Molly - blue
Seth - red
Anya - yellow
Brenden - green
Christine - orangeSoil Team: Margaret
Jim
Al
Morris - XRF

DERM: Trey, Adezba, Roe, Darren

0940: Arrive at site and signed in
with NFuels0945: ~~Ends~~ H&S Meeting w/gamma,
soil, and DERM Teams.

Deployed teams

BSA-2

XRF	Time	As	U	Dep?	Notes
01	1024	10	8	N	
02	1026	7	7	N	
03	1030	8	4	N	
04	1034	7	3	N	
05	1037	7	3	N	
10 06	1040	6	3	N	
09 07	1043	8	4	N	
08	1048	6	3	Y	U=3 A=7
07 09	1054	7	3	N	
06 10	1102	6	3	N	"06 actual"

Notes

Grid 10 logged in XRF as 06

Grid 09 logged in XRF as 07

Grid 07 logged in XRF as 09

BSA-2

XRF	Time	As	U	Dep	Notes
11	1104	5	3	N	
12	1107	5	3	N	
13	1111	7	4	N	
14	1115	7	4	N	

BSA 2

XRF Grid	Time	As	U	DJ	Notes
15	1117	7	2	N	
20	1120	7	3	Y	As=6 U=4
19	1126	6	3	N	
18	1129	7	3	N	
17	1134	6	2	N	
16	1138	7	4	N	
21	1142	6	3	N	
22	1146	8	3	N	
23	1149	7	4	N	
24	1209	5	2	N	
25	1213	6	3	Y	As=6 U=3
30	1220	6	3	N	
29	1223	6	3	N	
28	1226	6	2	N	
27	1230	5	3	N	
26	1233	4	3	Y	As=4 U=3

Reran XRF Grid 01 twice

R1) 1242 As: 7 U: 4

R2) 1243 As: 5 U: LOD

Reran XRF BSA2 Grid 02 twice

R1) 1247 As: 8 U: 3

R2) 1248 As: 7 U: 4

1300 Finished BSAs

1330 Spoke to Larry King

1415 Arrived at NuFuels gate

Began soil samples in man site

sample collected?

XRF screening

	Grid ID	As	U	S	V	Time
Y	2975	8	3	4450	56	1431
N	3005	6	23	404	61	1434
Y	3006	5	24	752	37	1437
Y	2946	4	39	1170	45	1443
Y	3099	206	12	253	61	1502

1457 Miles (NuFuels) stopped by
indicated a fence is going
up around the ix building

tomorrow (11/17) said
 with 3 months transformed remediation
 would be removed and a ~~reclamation~~ ^{remediation}
 process for the PCBs would occur
 XRF screening (ppm)

Grid ID	As	Sr	Mo	V	U	Co	Time	Sample collection
2738	6	120	LOD	62	10	66	1511	Y
2679	8	126	2	90	12	LOD	1519	Y
2217	7	109	LOD	80	7	LOD	1522	Y
2225							1533	

1545

11/17

OCRM

Weather: Cold, clear

Activities: Soil sampling at high gamma areas

0835: Arrive at site

0850: Conduct H&S

Attendees:

Seth, TE

Marcus, TE

Jim, TE

Al, TE

Adeeba, OCRM

Grid	XRF Sample Time	U	Sr	Th	As	Co	V	Sample taken
02	0923	47	95	7	3	LOD	12	Y
17	0943	278	94	4	LOD	LOD	LOD	Y
10	0952	58	88	10	3	LOD	LOD	Y
13	1000	569	119	15	6	LOD	LOD	Y
11	1011	832	110	8	2	31	LOD	Y
09	1027	28	61	6	3	LOD	LOD	Y

XRF Sample	Time	U	Sr	Th	As	Co	V	Sample
06	1039	83	79	5	LOD	LOD	LOD	Y
05	1046	63	74	5	2	-	-	Y
07	1056	26	91	8	2	-	-	Y
08	1101	88	82	9	6	-	-	Y
12	1120	46	77	7	3	-	-	Y
16	1129	52	81	8	2	-	-	Y
18	1133	200	65	3	1	-	-	Y
25	1141	43	81	9	4	-	-	Y
20	1146	725	66	9	7	-	-	Y
23	1151	43	82	6	3	-	-	Y
26	1154	79	91	8	5	-	-	Y
27	1204	128	83	6	2	-	-	Y
24	1208	53	112	9	6	-	-	Y

Break for lunch

XRF Sample	Time	U	Sr	Th	As	Co	V	Sample?
35	1303	15	116	13	8	77	LOD	Y
32	1309	7	108	10	7	-	-	Y
31	1314	14	106	10	5	-	-	Y
30	1324	8	109	12	9	33	-	Y
29	1329	21		10	5			Y
29 (dup)	1330	21	101	11	5	-	-	-

XRF Gold	Time	U	Sr	Th	As	Co	V	Sample
34	1337	36	Th ¹²	12	5	7	-	Y
36	1348	12	103	11	6	53	-	N
36 (shifted)	1349	60	84	6	2	-	-	N
36 (shifted)	1351	278	89	4	2	-	-	Y
28	1412	162	79	4	4	-	18	Y
19	1424	74	88	7	4	-	-	Y
21	1437	36	93	H	7	38	-	Y

Completed Sampling

1500 Demos

11/18

Weather: cool, clear

Site: OCRM

Planned Activities: Gamma Skpouts, homesites,
radial gridsTeam: Marcus, Braden, Molly, Anya, Christine (TE)
Trey, Ru (OCRM)

0855 H&S brief

0950 Began scanning of Francine's homesite

1026 Completed scanning

1040 Began scanning Dorothy's

1120 Completed scanning

1245 Left Dorothy's

Homesite scanning finished, beginning XRF
and gamma radials

Time	XRF ID	U	Dup	Offset
1324	OCR-RTSWX12	4	N	N
1328	OCR-RTSWX11	3	N	N

Mun. Cont.

11/18

Time	XRF ID	U	Dup	Offset
1332	RTSWX10	3	N	N
1336	RTSWX09	5	N	N
1340	RTSWX08	4	N	N
1343	collected OCR-RTWS-XS68-01-111822			
1350	RTSWX07	5	N	N
1353	RTSWX06	6	N	N
1357	RTSWX05	7	N	N
1403	RTSWX04	3	N	N
1412	RTWX01	5	N	N
1417	RTWX02	5	N	N
1422	RTWX03	4	N	N
1424	RTWX04	3	N	N
1428	RTWX05	6	N	N
1431	RTWX06	5	N	N
1435	RTWX07	3	N	N
1438	RTWX08	5	N	N
1444	RTWX09	3	Y	N
1531	RTNEX08	4	N	N
1535	RTNEX09	5	N	N
1539	RTNEX10	7	N	N

Mun. Cont.

Rite in the Rain

11/19

Weather: cold, clear

Site: OCRM

Team: Marcus: Radial transects

Jim, Margaret, Sean, Aaron: Corrupt plots

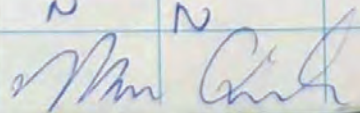
Christine, Maya, Braden, Molly: Skipout gammas

0910 HRS

0920 Teams deployed

0945 Headed to First radial transect

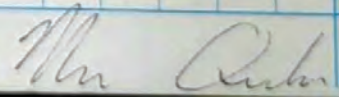
Time	XRF ID	U	Dup?	Offset
0945	OCR-RTS-X03	LOD	N	N
0949	OCR-RTS-X04	4	N	N
0953	OCR-RTS-X05	LOD	N	N
0958	OCR-RTS-X06	4	N	N
1001	OCR-RTS-X07	LOD	N	N
1004	OCR-RTS-X08	6	N	N
1007	OCR-RTS-X09	5	N	N
1011	OCR-RTS-X10	LOD	N	N
1032	OCR-RTSE-X12	4	N	N
1036	OCR-RTSE-X11	LOD	N	N
1038	OCR-RTSE-X10	3	N	N
1042	OCR-RTSE-X09	LOD	N	N
1045	OCR-RTSE-X08	LOD	N	N
1049	OCR-RTSE-X07	LOD	N	N



11/19

~~XRF ID~~

Time	XRF ID	U	Dup	Offset
1053	OCR-RTSE-X06	LOD	N	N
1056	OCR-RTSE-X05	LOD	N	N
1059	OCR-RTSE-X04	LOD	N	N
1104	OCR-RTSE-X03	LOD	N	N
1110	OCR-RTE-X04	3,3	Y	N
1127	OCR-RTE-X05	LOD	N	N
1132	OCR-RTE-X06	LOD	N	N
1135	OCR-RTE-X07	LOD	N	N
1139	OCR-RTE-X08	LOD	N	N
1142	OCR-RTE-X09	LOD	N	N
1145	OCR-RTE-X10	LOD	N	N
1148	OCR-RTE-X11	4	N	N
1151	OCR-RTE-X12	LOD	N	N
1221	OCR-RTNE-X11	5	N	N
1225	OCR-RTNE-X12	6	N	Y
1236	OCR-RTNE-X07	2	N	N
1239	OCR-RTNE-X06	8	N	N
1242	OCR-RTNE-X05	3	N	N
1301	OCR-RTN-X07 RTN-X07	LOD	N	Y
1305	OCR-RTN-X06	4	N	N
1316	OCR-RTNW-X07	LOD, LOD	Y	N



Rite in the Rain

20 11/19

Time	XRF ID	U	Dup	Offset
1319	OCR-RTNW-X06	LOD	N	N
1323	OCR-RTNW-X05	LOD	N	N
1326	OCR-RTNW-X04	LOD	N	N
1329	OCR-RTNW-X03	4	N	N
1333	OCR-RTNW-X02	LOD 4	N	N
1337	OCR-RTNW-X01	LOD	N	N

Completed exterior of CCRM

Spoke to Dave Thomas. He expects the road going through the arroyo to wash away. Once exploratory drilling is complete, will remediate.

Asked if any work to the fences will be done - Dave said the whole perimeter will undergo maintenance.

1410 signed into main site

Mark O'Brien

11/19

Time	XRF ID	U	Dup	Offset
1414	OCR-RTS-X02	990	N	N
1419	OCR-RTW-X03	875	N	N
1424	OCR-RTW-X02	1180	N	N
1428	OCR-RTS-X01	981	N	N
1433	OCR-RTSW-X01	926	N	N
1436	OCR-RTSE-X02	945	N	N
1445	^{OCR} RTE-X03	767	N	N
1449	OCR-RTE-X02	1025	N	N
1453	OCR-RTE-01	989	N	N
1458	OCR-RTNE-X02	1271	N	N
1503	OCR-RTN-X02	938	N	N
1511	OCR-RTN-X03	5	N	N
1514	OCR-RTN-X04	5	N	N
1517	OCR-RTN-X05	4,4	Y	N

Completed interior

1535 - demob

Mark O'Brien

Rite in the

WORM GAMMA-RADIUM
& HPC CORRELATION
STUDY FIELD NOTE BOOK



Rite in the Rain.

ALL-WEATHER
METRIC FIELD

Nº 361FX

Name _____

Address _____

Phone _____

Project _____



Archival
paper

RiteintheRain.com

2 11/19/22 Saturday

0900 ONSITE
H&S meeting

ARRIVE @ OCRM-CORR02 0930 MT

MARKED CHANGE FLAGS

SK INITIATED UNSHIELDED SCAN @ 0934

SK PERFORMED STATIC GAMMA @ 0936

$\mu = 12163$ cpm

$\sigma = 930.49$ cpm

$n = 60$

Photo ✓

open mostly
undisturbed
shrub brush
summer cypress

SK PERFORMED SHIELDED SCAN @ 0937

INITIATED HPIC IN CENTER OF PLOT

HPIC start: 0940

HPIC stop: 0950

MC collected soil sample ST: 0940

OCR02-CORR02-01-111922

Brown sandy clay, w/silt

LEFT CORR02 @ 0951

END OF FIELD ENTRIES
FOR PAGE

11/19/22 SATURDAY

ARRIVE @ OCRM-CORR01

SK PERFORM UNSHIELDED SCAN, SHIELDED SCAN
STATIC 1M IN CENTER

PHOTO TAKEN OF PLOT

Static 1m

$\mu = 14299$ cpm

$\sigma = 919.75$ cpm

$n = 60$

HPIC start: 955(?)
stop 1005

Open sparse plot saltbrush + ragweed
(summer cypress)

brown sandy clay w/silt

OCR01-CORR01-01-111922

ST: 1000

OCR01-CORR01-02-111922

* DUPLICATE SAMPLE COLLECTED *

LEFT OCRM-CORR01 1005

END OF ENTRIES
FOR PAGE

4 11/19/22 SATURDAY

ARRIVE @ OCRM - CORRO3 1007
SK UNSHIELDED SCAN, SHIELDED SCAN
STATIC

STATIC 1m
 $\mu = 11313$
 $\sigma = 796.02$
 $n = 60$
HPIC shot 1012
1022

light brown to brown sand

ragweed, salt bush, russian thistle,
+ ~~bass~~ african mustard

photo taken; GPS taken

LEFT OCRM - CORRO3
@ 1020

END OF ENTRIES
FOR PAGE

5 11/19/22 SATURDAY

ARRIVE OCRM - CORRO4 1040

LOCATED INSIDE POND; shrubs,

STATIC 1m (SK)
 $\mu = 15369$
 $\sigma = 919.34$
 $n = 60$
HPIC shot 1047
stop 1057

SK performed unshielded scan, shielded scan

OCRM - CORRO4 - 01-11-1922

ST: 1050

light brown to brown silty clay, some sand

photo taken of plot + soil

GPS taken

LEFT OCRM - CORRO4
@ 1100

END OF ENTRIES
FOR PAGE

6 11/19/22 SATURDAY

ARRIVE @ OCRM - CORRO5 1100

MARKED FLAGS, UNSTABILIZED SCAN,
STATIC, UNSTABILIZED

Static 1m

HPIC Start: 1100

$\mu = 16119$

$\sigma = 1112.02$

$n = 60$

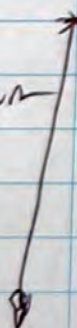
located along road between ponds
no vegetation or sparse

Collected photo of plot & soil, GPS taken

OCRM - CORRO6 - 01 - 111922 ST: 1100

loam to sandy loam
brownish tan LEFT @ 1102

END OF
FUR
PAW



11/19/22 SATURDAY

ARRIVE @ OCRM - CORRO6 1112

SK PERFORM UNSTABILIZED SCAN, STATIC
& SHIBBOLA

Static 1m

HPIC Start: 1117

$\mu = 16435$

$\sigma = 912.66$

$n = 60$

located in pond adjacent, aster
rabbit brush, russian thistle,

OCRM - CORRO6 - 01 - 111922

ST: 1120

brown loam silt / silt loam
organic debris

photo of plot, HPIC, soil taken
GPS taken

8 11/19/22 SATURDAY

ARRIVE OCRM-CORRO7 @ 1125

located in pond; less dense than
CORRO8. Vegetation includes wintery
fat & prickly pear.

Static 1m

$\mu = 17852$ cpm

$\sigma = 1032.13$ cpm

$n = 60$

HPIC start: 1131

stop 1141

OCRM - CORRO7-01-111922

brown silt loam ST 1130

* Photos, GPS, taken at plot *

LEFT OCRM-CORRO7

@ 1142

END OF ENTRIES
FOR PAGE

9 11/19/22 SATURDAY

ARRIVE OCRM-CORRO8 @ 1140

LOCATED AMONG PUNGBUNG
DISPERSED VEGETATION

STATIC 1m

$\mu = 17431$

$\sigma = 1046.16$

$n = 60$

HPIC start:

1147

HPIC stop:

* Similar gamma to CORRO7 *

SK unshielded scan, shielded scan
Static 1m, GPS taken

* Photos of plot & soil taken *

OCRM-CORRO8-01-111922

ST: 1150

collected by MC

Soil description: silty sand, light brown to
brown

LEFT OCRM-CORRO8 @ 1200

END OF ENTRIES
FOR PAGE

11/19/22 Saturday

ARRIVE @ OCRM-CORR09 1200

Static Im

 $\mu = 23286$ $\sigma = 1301.49$ $n = 60$

HPIC stat:

1203

HPIC stop:

LOCATED IN POND; large bushes/shrubs
less dense overallNOTE: HPIC offset from centroid of plot
(vegetation)- SK PERFORMED UNSHIELDED + SHIELDED
SCM

- MC collected soil sample at 1210

OCR-M-CORR09-01-111922

ST: 1210

Soil description: brown silty clay w/sand

Photo of plot from drone taken
along w/photo of soil.

LEFT OCRM-CORR09 1215

END OF ENTRIES
FOR PAGE

11/19/22 SATURDAY

ARRIVE @ OCRM-CORR10 @ 1217

Along road (new) above a pond.
Quite variable gamma, possibly because of
rock $\mu = 23048$

HPIC start: 1222

 $\sigma = 1082.33$

HPIC stop:

 $n = 60$ Road disturbance in plot, tire marks/tracks
etc. light shrub vegetation.

SK performed unshielded and shielded scm

JH performed HPIC

MC collected soil sample

OCR-M-CORR10-01-111922

ST: 1220

Soil description: brown silty sand

Photo of plot/HPIC + soil taken

LEFT OCRM-CORR10 @ 1233

END OF ENTRIES
FOR PAGE

11/19/22 SATURDAY

ARRIVE OCRM-CORR11 @ 1226

SK performed unshielded & static
located in pond w/ light vegetation
ragweed, salt bush, russian thistle

Static 1m

 $\mu = 18219$ $\sigma = 1062.80$ $n = 60$ HPIC start:
1235

HPIC stop:

* Note slight elevation on north portion
of plot

SK performed shielded scan (photo)

JH performed HPIC

MC collected soil sample

OCRM-CORR11-01-111922

ST: 1230

soil description: brown loam to silt
loam

photo collected, GPS taken

END OF FIELD ENTRIES
FOR DAY



11/19/22 SATURDAY

* Completed study at OCRM-CORR11
~1245

- BREAK FOR LUNCH -

ARRIVE @ OCRM-CORR12 1310

* shifted plot to off road

Static 1m by SIL (center off plot)

 $\mu = 36408$ cpm $\sigma = 1631.62$ cpm $n = 60$

HPIC start: 1313 HPIC stop: 1323

SK completed unshielded and shielded scan

JH performed HPIC study

MC collected soil sample

Plot located off side of road above
on array. Photo, GPS taken.

OCRM-CORR12-01-111922

ST: 1320

brown silty sand, moist (slightly)

LEFT OCRM-CORR12 @ 1325

END OF ENTRIES
FOR DAY



Return in car

11/19/22 SATURDAY

ARRIVE @ OCRM - CORR13 @ 1330

Located in waste area; drove to location.
Marked plot corners w/ pin flags then
performed static measurement.

Static 1m

 $\mu = 38311 \text{ cpm}$ $\sigma = 1641.32$ $n = 60$ HPIC start:
1334HPIC stop:
1344

SK performed unshielded and shielded
scans

JH conducted HPIC study

MC collected soil sample

AO collected photo, GPS

OCRIM - CORR13-01-11/19/22

ST: 1335

soil description: Soil type same as
CORR12

LEFT OCRM - CORR13 @
1344

END OF ENTRIES
FOR PAGE



11/19/22 SATURDAY

ARRIVE @ OCRM - CORR14 @ 1345

Located across old road from CORR13
Very similar gamma and conditions.

Static 1m

 $\mu = 34464$ $\sigma = 1268.58$ $n = 60$

HPIC start: 1347

HPIC stop:

SK performed unshielded + shielded
scanning

JH conducted HPIC study

MC collected composite correlation
soil sample > AO photos, GPS

OCRIM - CORR14-01-11/19/22

ST: 1350

soil type: same as CORR12 + CORR13

Left OCRM - CORR14 @ 1352

11/19/22 SATURDAY

ARRIVE @ OCRM - CORR 15 @
1358(relocated from original corr 16
due to gamma bracket needed)

Static 1 m

HPIC start: 1359

 $\mu = 31050$

HPIC stop: 1409

 $\sigma = 1240.88$ $n = 60$

- > SK performed unshielded + shielded
- > JH conducted HPIC study
- > AD photos, GPS
- > MC collected soil sample

OCR - CORR 15 - 01 - 11/19/22

ST: 1400

Soil: same as CORR 12, 13, & 14
typeLEFT OCRM - CORR 15
@ 1410

11/19/22 SATURDAY

ARRIVE @ OCRM - CORR 16 @
"Ablation" fenced-in study area
@ 1415

- SK conducted high density gamma scan at ablation pilot study area per request of project manager.

Completed all site activities at
1430.LEFT OCRM @ 1430
to Gallup, NM for data
processing, analysis, and
field demobilization procedures.

END OF FIELD

ENTRIES

FOR

11/19/22