

Douglas A. Ducey

Governor

Arizona Department of Environmental Quality



Karen Peters Cabinet Executive Officer Executive Deputy Director

Report Review

Inspection ID: 441511 Permit No: 88788 Place ID: 827 AZURITE Place Name: ENERGY FUELS RESOURCES - PINYON PLAIN MINE

Inspection Type: Report Review **Type of Report:** Environmental Gamma Monitoring Results 4th Quarter 2023

Date Received:2/8/2024Date Reviewed:2/26/2024Reviewer:Mariana Mendez Armendariz

Results of Inspection:

Is the report certified for truth, accuracy, and completeness by a responsible official?

 \boxtimes Yes – Scott Bakken

 \Box No – Contact Permittee for proper signature.

Does the Permittee state they are in compliance?

 \boxtimes Yes – File report without contacting Permittee.

 \Box No – Request additional information or permit deviation report as necessary.

Reviewer Comments:

4th Quarter 2023 (10/06/2023 – 01/03/2024): Badge #66: 2.71 mRem/week Badge #67: 2.75 mRem/week Badge #68: 3.12 mRem/week Badge #69: 2.57 mRem/week Badge #114: 2.43 mRem/week Badge #115: 2.37 mRem/week

The trigger level for this mine is 7.8 mRem/week. Since the gamma results are below the trigger level, no additional reporting is required according to Att D. Condition II.B.3.c-d.

No reporting deficiencies noted.

Ct5433842

57598



Energy Fuels Resources (USA) Inc. 225 Union Blvd. Suite 600 Lakewood, CO, US, 80228 303 974 2140 www.energyfuels.com

February 7, 2024

VIA PDF AND FEDERAL EXPRESS

Daniel Czecholinski, Director Division of Air Quality Arizona Department of Environmental Quality Technical Services Unit 1110 West Washington Street Phoenix, AZ 85007



Subject: Energy Fuels Resources (USA) Inc. Pinyon Plain Mine 4th Quarter 2023 Environmental Gamma Monitoring Results –Air Quality Class II Permit No. 88788

Dear Mr. Czecholinski:

Attached please find the Environmental Gamma Monitoring Results for the Pinyon Plain Mine for 4th Quarter 2023. The Environmental Gamma Monitoring Results are required by Section II.B.1.b of Attachment D to the Arizona Department of Environmental Quality ("ADEQ") Air Quality Class II Permit No. 88788 (the "Permit") for the Pinyon Plain Mine. Also attached is a certification signature as required by VIII of Attachment A to the Permit.

If you have any questions or comments, please do not hesitate to contact me at 303-389-4131.

Yours very truly,

C. agy

ENERGY FUELS RESOURCES (USA) INC. Jordan App Environmental Scientist

cc: Scott Bakken Matt Germansen Nick Martin Tyler Martin Kathy Weinel Travis Chiotti

ENVIRONMENTAL GAMMA MONITORING REPORT FOR 4th QUARTER 2023

ENERGY FUELS RESOURCES (USA) INC.



PINYON PLAIN MINE 6.5 MILES SOUTHEAST OF TUSAYAN

COCONINO COUNTY, ARIZONA

February 7, 2024

PREPARED BY: Energy Fuels Resources (USA) Inc. 225 Union Boulevard, Ste. 600 Lakewood, Colorado 80228

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Appendix A Pinyon Plain OSL (Badge) Results

FIGURES

Figure 1 Sampling and Monitoring Location Map

Pinyon Plain Air Quality Control Permit No. 88788 February 7, 2024

Pinyon Plain Mine Air Quality Control Permit No. 88788

1.0 Introduction

The Pinyon Plain Mine (the "Mine") is an underground uranium mine, operated by Energy Fuels Resources (USA) Inc. ("EFRI"). The Mine is located 6.5 miles southeast of Tusayan in Coconino County, Arizona. The Mine is capable of producing a maximum of 109,500 tons per year of uranium ore. Ore is hauled to the White Mesa Mill (the "Mill"), near Blanding, Utah for processing. No ore processing occurs on site when operating. The site contains a mine shaft, a ventilation shaft, an office building, a head-frame and associated hoist and maintenance building, a septic vault, ore stockpiles (when mining), development rock stockpiles (when mining), topsoil stockpiles, other facilities associated with the mine operation and a lined non-stormwater impoundment. The location of the Mine is shown on Figure 1.

Pursuant to Attachment D, Section II.A of the Arizona Department of Environmental Quality (ADEQ") Air Quality Control Permit, Number 88788 (the "Permit"), EFRI is required to conduct soil and gamma monitoring at six locations outside of the mine site. The locations are shown on Figure 1. The frequency of monitoring is described in Section 2 below.

This report presents the gamma monitoring results for the Mine as required by the Permit and as described below.

2.0 Radiation Monitoring Activities In 2023

Pursuant to the current Permit, approved on October 20, 2021, soil and passive gamma monitoring are required to be conducted in accordance with the ADEQ-approved standard Operating Procedures ("SOPs") included as Appendices 2 and 3 to the Permit. Attachment D, Section II.B.1.b requires that Optically Stimulated Luminescence ("OSL") monitors for passive gamma be collected on a calendar quarter basis. Attachment D, Section II.B.2.b requires that soil samples be collected within 60 days of Permit issuance and subsequent samples be collected quarterly for one year and annually thereafter. Reporting of both soil and gamma data are required within 30 days of data receipt.

Soil data was reported under separate cover in quarter four within 30 days of data receipt in accordance with the Permit requirements.

Pinyon Plain Air Quality Control Permit No. 88788 February 7, 2024

3.0 Trigger Levels

Attachment D, Section II.B.3.c specifies Initial Action Trigger Levels ("trigger level") for uranium and radium-226 in soil and passive gamma results. The ADEQ-approved trigger levels were developed as described in the ADEQ Technical Review and Evaluation of Application for Air Quality Significant Revision and in the report entitled *Development of the Proposed Trigger Levels for Energy Fuel's Arizona Mines*.

The trigger level for passive gamma is 50 μ R/hr. (7.8 mrem/week). The passive gamma results reported herein were compared to this trigger level.

4.0 Analysis of Findings

Passive gamma results are included in Appendix A.

The passive gamma results for Q4 2023 are below the trigger levels specified in the Permit. No additional reporting as contemplated in Attachment D, Section II.B.3.c and Section II.B.3.d is required.

Pinyon Plain Air Quality Control Permit No. 88788 February 7, 2024

5.0 Certification

ENERGY FUELS RESOURCES (USA) INC. PINYON PLAIN MINE, AIR QUALITY CONTROL PERMIT NUMBER 88788 CERTIFICATION OF TRUTH, ACCURACY AND COMPLETENESS

Based on information and belief formed after reasonable inquiry, the statements and information in the foregoing document are true, accurate, and complete.

Signature of Responsible Official Scott Bakken Vice President, Regulatory Affairs

Date

APPENDIX A PINYON PLAIN OSL (BADGE) RESULTS

Quarter	Badge Number	Location	Date Issued	Date Returned	Total Days Badge Deployed	Mean Ambient Dose Equivalent	mRem / Week	mRem/wk* time
			20	13				
First Quarter 2013	66	Pinyon Plain Site	12/31/2012	3/28/2013	87	34.0	2.74	238.00
Second Quarter 2013	66	Pinyon Plain Site	3/28/2013	6/26/2013	90	36.3	2.82	254.10
Third Quarter 2013	66	Pinyon Plain Site	6/26/2013	9/30/2013	96	40.1	2.92	280.70
Fourth Quarter 2013	66	Pinyon Plain Site	9/30/2013	1/2/2014	94	37.5	2.79	262.50
				· Sum	367			1035.30
			Time wei	ghted average				2.82
			20	14				
First Quarter 2014	66	Pinyon Plain Site	1/2/2014	3/27/2014	84	36.3	3.03	254.52
Second Quarter 2014	66	Pinyon Plain Site	3/27/2014	6/27/2014	92	42.7	3.25	299.00
Third Quarter 2014	66	Pinyon Plain Site	6/27/2014	9/25/2014	90	49.4	3.82	343.80
Fourth Quarter 2014	66	Pinyon Plain Site	9/25/2014	1/2/2015	99	41.9	2.96	293.04
				Sum	365			1190.36
			Time wei	ghted average				3.26
			20	15				
First Quarter 2015	66	Pinyon Plain Site	1/2/2015	4/1/2015	89	35.2	2.77	246.53
Second Quarter 2015	66	Pinyon Plain Site	4/1/2015	7/1/2015	91	38.1	2.93	266.63
Third Quarter 2015	66	Pinyon Plain Site	7/1/2015	9/25/2015	86	38.9	3.17	272.62
Fourth Quarter 2015	66	Pinyon Plain Site	9/25/2015	1/7/2016	104	42.4	2.85	296.40
				Sum	370			1082.18
			Time wei	ghted average				2.92
			20	16				
First Quarter 2016	66	Pinyon Plain Site	1/7/2016	3/31/2016	86	51.0	4.15	356.90
Second Quarter 2016	66	Pinyon Plain Site	3/31/2016	7/7/2016	98	41.8	2.99	293.02
Third Quarter 2016	66	Pinyon Plain Site	7/7/2016	10/10/2016	95	45.5	3.35	318.25
Fourth Quarter 2016	66	Pinyon Plain Site	10/10/2016	. 1/3/2017	85	42.1	3.52	299.20
				Sum	364			1267.37
			Time wei	ghted average				3.48

Quarter	Badge Number	Location	Date Issued	Date Returned	Total Days Badge Deployed	Mean Ambient Dose Equivalent	mRem / Week	mRem/wk* time
			20	17				
First Quarter 2017	66	Pinyon Plain Site	1/3/2017	4/10/2017	97	36.6	2.64	256.08
Second Quarter 2017	66	Pinyon Plain Site	4/10/2017	7/6/2017	87	35.0	2.82	245.34
Third Quarter 2017	66	Pinyon Plain Site	7/6/2017	10/3/2017	89	34.4	2.71	241.19
Fourth Quarter 2017	66	Pinyon Plain Site	10/3/2017	1/3/2018	92	37.9	2.88	264.96
		·		Sum	365			1007.57
			Time wei	ghted average				2.76
			20	18				
First Quarter 2018	66	Pinyon Plain Site	1/3/2018	4/3/2018	90	36.2	2.82	253.80
Second Quarter 2018	66	Pinyon Plain Site	4/3/2018	7/15/2018	103	41.6	2.83	291.49
Third Quarter 2018	66	Pinyon Plain Site	7/15/2018	10/11/2018	88	35.2	2.80	246.4
Fourth Quarter 2018	66	Pinyon Plain Site	10/11/2018	1/11/2019	92	39.5	3.01	276.92
				Sum	373			1068.61
			Time wei	ghted average				2.86
			20	19				
First Quarter 2019	66	Pinyon Plain Site	1/11/2019	4/2/2019	81	27.1	2.34	189.54
Second Quarter 2019	66	Pinyon Plain Site	4/2/2019	7/8/2019	97	39.8	2.87	278.39
Third Quarter 2019	66	Pinyon Plain Site	7/8/2019	10/9/2019	93	37	2.78	258.54
Fourth Quarter 2019	66	Pinyon Plain Site	10/9/2019	1/8/2020	91	40.5	3.12	283.92
				Sum	362			1010.39
			Time wei	ghted average				2.79
			202	20				
First Quarter 2020	66	Pinyon Plain Site	1/8/2020	4/6/2020	89	32.7	2.57	228.73
Second Quarter 2020	66	Pinyon Plain Site	4/6/2020	7/7/2020	92	94.1	7.16	658.72
Third Quarter 2020	66	Pinyon Plain Site	7/7/2020	10/8/2020	93	39.7	2.99	278.07
Fourth Quarter 2020	66	Pinyon Plain Site	10/8/2020	1/7/2021	91	36.8	2.83	257.53
				Sum	365			1423.05
			Time weig	ghted average				3.90

Quarter	Badge Number	Location	Date Issued	Date Returned	Total Days Badge Deployed	Mean Ambient Dose Equivalent	mRem / Week	mRem/wk* time
			202	21				
First Quarter 2021	66	Pinyon Plain Site	1/7/2021	4/8/2021	91	36.1	2.78	252.98
Second Quarter 2021	66	Pinyon Plain Site	4/8/2021	7/7/2021	90	34.6	2.69	242.1
Third Quarter 2021	66	Pinyon Plain Site	7/7/2021	10/6/2021	91	26.4	2.03	184.73
Fourth Quarter 2021	66	Pinyon Plain Site	10/6/2021	1/5/2022	91	37.7	2.90	263.9
				Sum	363			943.71
			Time weig	ghted average				2.60
			202	22				
First Quarter 2022	66	Pinyon Plain Site	1/5/2022	4/13/2022	98	39.5	2.82	276.50
Second Quarter 2022	66	Pinyon Plain Site	4/13/2022	7/11/2022	89	37.9	2.98	265.22
Third Quarter 2022	66	Pinyon Plain Site	7/11/2022	10/3/2022	84	31.2	2.60	218.4
Fourth Quarter 2022	66	Pinyon Plain Site	10/3/2022	1/4/2022	93	29.8	2.24	208.32
				Sum	364			968.44
			Time weig	ghted average				2.66
			202	23				
First Quarter 2023	66	Pinyon Plain Site	1/4/2023	4/5/2023	91	32.9	2.53	230.30
Second Quarter 2023	66	Pinyon Plain Site	4/5/2023	7/6/2023	92	34.9	2.66	244.72
Third Quarter 2023	66	Pinyon Plain Site	7/6/2023	10/6/2023	92	37.4	2.85	262.20
Fourth Quarter 2023	66	Pinyon Plain Site	10/6/2023	1/3/2024	89	34.5	2.71	241.50
				Sum	364			978.72
			Time weig	ghted average				2.69

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Second Quarter 2013 67 Pinyon Plain Site 3/28/2013 6/26/2013 90 33 Third Quarter 2013 67 Pinyon Plain Site 6/26/2013 9/30/2013 96 40 Fourth Quarter 2013 67 Pinyon Plain Site 9/30/2013 1/2/2014 94 36 Fourth Quarter 2013 67 Pinyon Plain Site 9/30/2013 1/2/2014 94 36 Sum 367 Time weighted average 2014 67 Pinyon Plain Site 1/2/2014 3/27/2014 84 35 Second Quarter 2014 67 Pinyon Plain Site 3/27/2014 6/27/2014 92 43 Second Quarter 2014 67 Pinyon Plain Site 3/27/2014 6/27/2014 92 43 Third Quarter 2014 67 Pinyon Plain Site 6/27/2014 9/25/2014 90 54 Fourth Quarter 2014 67 Pinyon Plain Site 9/25/2014 1/2/2015 99 43 Fourth Quarter 2014 67 Pinyon Plain Site 9/25/2014 1/2/2015 99 43		time
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Third Quarter 2013 67 Pinyon Plain Site 6/26/2013 9/30/2013 96 40 Fourth Quarter 2013 67 Pinyon Plain Site 9/30/2013 1/2/2014 94 36 Sum 367 Time weighted average 2014 67 Pinyon Plain Site 1/2/2014 3/27/2014 84 32 First Quarter 2014 67 Pinyon Plain Site 1/2/2014 3/27/2014 84 32 Second Quarter 2014 67 Pinyon Plain Site 3/27/2014 6/27/2014 92 43 Third Quarter 2014 67 Pinyon Plain Site 6/27/2014 9/25/2014 90 54 Fourth Quarter 2014 67 Pinyon Plain Site 6/27/2014 9/25/2014 90 54 Fourth Quarter 2014 67 Pinyon Plain Site 9/25/2014 1/2/2015 99 44 Fourth Quarter 2014 67 Pinyon Plain Site 9/25/2014 1/2/2015 99 44 Fine weighted average	4.5 2.78	241.50
Fourth Quarter 2013 67 Pinyon Plain Site 9/30/2013 1/2/2014 94 36 Sum 367 Time weighted average Time weighted average First Quarter 2014 67 Pinyon Plain Site 1/2/2014 3/27/2014 84 34 Second Quarter 2014 67 Pinyon Plain Site 3/27/2014 6/27/2014 92 43 Third Quarter 2014 67 Pinyon Plain Site 6/27/2014 9/25/2014 90 54 Fourth Quarter 2014 67 Pinyon Plain Site 9/25/2014 1/2/2015 99 45 Sum 365 Time weighted average	5.1 2.73	245.70
Sum 367 Time weighted average Time weighted average Errst Quarter 2014 67 Pinyon Plain Site 1/2/2014 3/27/2014 84 35 Second Quarter 2014 67 Pinyon Plain Site 3/27/2014 6/27/2014 92 43 Third Quarter 2014 67 Pinyon Plain Site 6/27/2014 9/25/2014 90 54 Fourth Quarter 2014 67 Pinyon Plain Site 9/25/2014 1/2/2015 99 43 Fourth Quarter 2014 67 Pinyon Plain Site 9/25/2014 1/2/2015 99 43 Errst Quarter 2014 67 Pinyon Plain Site 9/25/2014 1/2/2015 99 43 Fourth Quarter 2014 67 Pinyon Plain Site 9/25/2014 1/2/2015 99 43 Errst Weighted average	0.2 2.93	281.40
Time weighted average 2014 Second Quarter 2014 67 Pinyon Plain Site 1/2/2014 3/27/2014 84 35 Second Quarter 2014 67 Pinyon Plain Site 3/27/2014 6/27/2014 92 43 Third Quarter 2014 67 Pinyon Plain Site 6/27/2014 9/25/2014 90 54 Fourth Quarter 2014 67 Pinyon Plain Site 9/25/2014 1/2/2015 99 45 Fourth Quarter 2014 67 Pinyon Plain Site 9/25/2014 1/2/2015 99 45 Sum 365	5.4 2.71	254.80
2014 First Quarter 2014 67 Pinyon Plain Site 1/2/2014 3/27/2014 84 33 Second Quarter 2014 67 Pinyon Plain Site 3/27/2014 6/27/2014 92 43 Third Quarter 2014 67 Pinyon Plain Site 6/27/2014 9/25/2014 90 54 Fourth Quarter 2014 67 Pinyon Plain Site 9/25/2014 1/2/2015 99 43 Sum 365 Time weighted average		1023.40
First Quarter 2014 67 Pinyon Plain Site 1/2/2014 3/27/2014 84 35 Second Quarter 2014 67 Pinyon Plain Site 3/27/2014 6/27/2014 92 43 Third Quarter 2014 67 Pinyon Plain Site 3/27/2014 9/25/2014 90 54 Fourth Quarter 2014 67 Pinyon Plain Site 6/27/2014 9/25/2014 90 54 Fourth Quarter 2014 67 Pinyon Plain Site 9/25/2014 1/2/2015 99 43 Sum 365		2.79
Second Quarter 2014 67 Pinyon Plain Site 3/27/2014 6/27/2014 92 43 Third Quarter 2014 67 Pinyon Plain Site 6/27/2014 9/25/2014 90 54 Fourth Quarter 2014 67 Pinyon Plain Site 6/27/2014 9/25/2014 90 54 Fourth Quarter 2014 67 Pinyon Plain Site 9/25/2014 1/2/2015 99 45 Sum 365 Time weighted average		
Second Quarter 2014 67 Pinyon Plain Site 3/27/2014 6/27/2014 92 43 Third Quarter 2014 67 Pinyon Plain Site 6/27/2014 9/25/2014 90 54 Fourth Quarter 2014 67 Pinyon Plain Site 6/27/2014 9/25/2014 90 54 Fourth Quarter 2014 67 Pinyon Plain Site 9/25/2014 1/2/2015 99 45 Sum 365 Time weighted average	5.7 2.98	250.32
Fourth Quarter 2014 67 Pinyon Plain Site 9/25/2014 1/2/2015 99 45 Sum 365 Time weighted average	3.1 3.28	301.76
Sum 365 Time weighted average	4.1 4.21	378.90
Time weighted average	5.5 3.22	318.78
		1249.76
2015		3.42
2015		
First Quarter 2015 67 Pinyon Plain Site 1/2/2015 4/1/2015 89 36	5.8 2.89	257.21
Second Quarter 2015 67 Pinyon Plain Site 4/1/2015 7/1/2015 91 40	0.9 3.15	286.65
Third Quarter 2015 67 Pinyon Plain Site 7/1/2015 9/25/2015 86 38	8.0 3.09	265.74
Fourth Quarter 2015 67 Pinyon Plain Site 9/25/2015 1/7/2016 104 43	3.2 2.91	302.64
Sum 370		1112.24
Time weighted average		3.01
2016		
First Quarter 2016 67 Pinyon Plain Site 1/7/2016 3/31/2016 86 52	3.4 4.35	374.10
Second Quarter 2016 67 Pinyon Plain Site 3/31/2016 7/7/2016 98 44	4.1 3.15	308.70
Third Quarter 2016 67 Pinyon Plain Site 7/7/2016 10/10/2016 95 49	9.2 3.63	344.85
Fourth Quarter 2016 67 Pinyon Plain Site 10/10/2016 1/3/2017 85 42	2.6 3.51	298.35
Sum 364		1326.00
Time weighted average		3.64

Badge 67 - Pinyon Plain - West Badge

Quarter	Badge Number	Location	Date Issued	Date Returned	Total Days Badge Deployed	Mean Ambient Dose Equivalent	mRem / Week	mRem/wk* time
			2017					
First Quarter 2017	67	Pinyon Plain Site	1/3/2017	4/10/2017	97	37.4	2.70	261.90
Second Quarter 2017	67	Pinyon Plain Site	4/10/2017	7/6/2017	87	36.8	2.96	257.52
Third Quarter 2017	67	Pinyon Plain Site	7/6/2017	10/3/2017	89	38.0	2.99	266.11
Fourth Quarter 2017	67	Pinyon Plain Site	10/3/2017	1/3/2018	92	37.3	2.84	261.28
				Sum	365			1046.81
			Time we	ighted average				2.87
			2018					
First Quarter 2018	67	Pinyon Plain Site	1/3/2018	4/3/2018	90	38.9	3.03	272.70
Second Quarter 2018	67	Pinyon Plain Site	4/3/2018	7/15/2018	103	48.8	3.32	341.96
Third Quarter 2018	67	Pinyon Plain Site	7/15/2018	10/11/2018	88	38.8	3.09	271.92
Fourth Quarter 2018	67	Pinyon Plain Site	10/11/2018	1/11/2019	92	38.9	2.96	272.32
				Sum	373			1158.90
			Time wei	ighted average				3.11
			2019	1.1.1.1.1.1.1				
First Quarter 2019	67	Pinyon Plain Site	1/11/2019	4/2/2019	81	28	2.42	196.02
Second Quarter 2019	67	Pinyon Plain Site	4/2/2019	7/8/2019	97	40.1	2.89	280.33
Third Quarter 2019	67	Pinyon Plain Site	7/8/2019	10/9/2019	93	39.6	2.98	277.14
Fourth Quarter 2019	67	Pinyon Plain Site	10/9/2019	1/8/2020	91	38.3	2.95	268.45
				Sum	362			1021.94
			Time we	ighted average				2.82
			2020					
First Quarter 2020	67	Pinyon Plain Site	1/8/2020	4/6/2020	89	37.2	2.93	260.77
Second Quarter 2020	67	Pinyon Plain Site	4/6/2020	7/7/2020	92	85.5	6.51	598.92
Third Quarter 2020	67	Pinyon Plain Site	7/7/2020	10/8/2020	93	39.4	2.97	276.21
Fourth Quarter 2020	67	Pinyon Plain Site	10/8/2020	1/7/2021	91	36.7	2.82	256.62
				Sum	365			1392.52
			Time we	ighted average				3.82

Badge 67 - Pinyon Plain - West Badge

Quarter	Badge Number	Location	Date Issued	Date Returned	Total Days Badge Deployed	Mean Ambient Dose Equivalent	mRem / Week	mRem/wk* time
			2021					
First Quarter 2021	67	Pinyon Plain Site	1/7/2021	4/8/2021	91	40.4	3.11	283.01
Second Quarter 2021	67	Pinyon Plain Site	4/8/2021	Missing				0.00
Third Quarter 2021	67	Pinyon Plain Site	7/7/2021	10/6/2021	91	34.7	2.67	242,97
Fourth Quarter 2021	67	Pinyon Plain Site	10/6/2021	1/5/2022	91	39.8	3.06	278.46
				Sum	273			804.44
			Time we	ighted average				2.95
			2022					
First Quarter 2022	67	Pinyon Plain Site	1/5/2022	4/13/2022	98	38.1	2.72	266.70
Second Quarter 2022	67	Pinyon Plain Site	4/13/2022	7/11/2022	89	37.8	2.97	264.33
Third Quarter 2022	67	Pinyon Plain Site	7/11/2022	10/3/2022	84	31.9	2.66	223.44
Fourth Quarter 2022	67	Pinyon Plain Site	10/3/2022	1/4/2023	93	31.9	2.40	223.2
				Sum	364			977.67
			Time we	ighted average				2.69
			2023					
First Quarter 2023	67	Pinyon Plain Site	1/4/2023	4/5/2023	91	33.3	2.56	233.10
Second Quarter 2023	67	Pinyon Plain Site	4/5/2023	7/6/2023	92	37.1	2.82	259.44
Third Quarter 2023	67	Pinyon Plain Site	7/6/2023	10/6/2023	92	41.9	3.19	293.48
Fourth Quarter 2023	67	Pinyon Plain Site	10/6/2023	1/3/2024	89	35	2.75	245.00
				Sum	364			1031.02
			Time we	ighted average				2.83

Badge 67 - Pinyon Plain - West Badge

Badge 68 - Pinyon Plain - North Badge

	Badge				Total Days Badge	Mean Ambient Dose	mRem /	mRem/wk
Quarter	Number	Location	Date Issued	Date Returned	Deployed	Equivalent	Week	*time
			2013					
First Quarter 2013	68	Pinyon Plain Site	12/31/2012	3/28/2013	87	37.4	3.01	261.80
Second Quarter 2013	68	Pinyon Plain Site	3/28/2013	6/26/2013	90	37.6	2.92	263.20
Third Quarter 2013	68	Pinyon Plain Site	6/26/2013	9/30/2013	96	38.8	2.83	271.60
Fourth Quarter 2013	68	Pinyon Plain Site	9/30/2013	1/2/2014	94	39.2	2.92	274.40
				Sum	367			1071.00
			Time v	veighted average				2.92
			2014					
First Quarter 2014	68	Pinyon Plain Site	1/2/2014	3/27/2014	84	34.6	2.88	241.92
Second Quarter 2014	68	Pinyon Plain Site	3/27/2014	6/27/2014	92	40.8	3.10	285.20
Third Quarter 2014	68	Pinyon Plain Site	6/27/2014	9/25/2014	90	47.3	3.68	331.20
Fourth Quarter 2014	68	Pinyon Plain Site	9/25/2014	1/2/2015	99	41.4	2.93	290.07
				Sum	365			1148.39
			Time v	veighted average				3.15
			2015					
First Quarter 2015	68	Pinyon Plain Site	1/2/2015	4/1/2015	89	35.9	2.82	250.98
Second Quarter 2015	68	Pinyon Plain Site	4/1/2015	7/1/2015	91	38.9	2.99	272.09
Third Quarter 2015	68	Pinyon Plain Site	7/1/2015	9/25/2015	86	37.9	3.08	264.88
Fourth Quarter 2015	68	Pinyon Plain Site	9/25/2015	1/7/2016	104	40.7	2.74	284.96
		-		Sum	370			1072.91
			Time v	veighted average				2.90
			2016	1.00				
First Quarter 2016	68	Pinyon Plain Site	1/7/2016	3/31/2016	86	58.3	4.75	408.50
Second Quarter 2016	68	Pinyon Plain Site	3/31/2016	7/7/2016	98	44.6	3.19	312.62
Third Quarter 2016	68	Pinyon Plain Site	7/7/2016	10/10/2016	95	47.7	3.51	333.45
Fourth Quarter 2016	68	Pinyon Plain Site	10/10/2016	1/3/2017	85	42.9	3.53	300.05
				Sum	364			1354.62
			Time v	veighted average				3.72

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Badge 68 - Pinyon Plain - North Badge

	Badge				Total Days Badge	Mean Ambient Dose	mRem /	mRem/wk
Quarter	Number	Location	Date Issued	Date Returned	Deployed	Equivalent	Week	*time
			2017					
First Quarter 2017	68	Pinyon Plain Site	1/3/2017	4/10/2017	97	36.8	2.66	258.02
Second Quarter 2017	68	Pinyon Plain Site	4/10/2017	7/6/2017	87	37.9	3.05	265.35
Third Quarter 2017	68	Pinyon Plain Site	7/6/2017	10/3/2017	89	36.3	2.86	254.54
Fourth Quarter 2017	68	Pinyon Plain Site	10/3/2017	1/3/2018	92	39.3	2.99	275.08
			Time v	weighted average				2.88
			2018					
First Quarter 2018	68	Pinyon Plain Site	1/3/2018	4/3/2018	90	37.4	2.91	261.90
Second Quarter 2018	68	Pinyon Plain Site	4/3/2018	7/15/2018	103	45.2	3.07	316.21
Third Quarter 2018	68	Pinyon Plain Site	7/15/2018	10/11/2018	88	38.1	3.03	266.64
Fourth Quarter 2018	68	Pinyon Plain Site	10/11/2018	1/11/2019	92	41.2	3.13	287.96
				Sum	373			1132.71
			Time v	weighted average				3.04
			2019					
First Quarter 2019	68	Pinyon Plain Site	1/11/2019	4/2/2019	81	29.7	2.57	208.17
Second Quarter 2019	68	Pinyon Plain Site	4/2/2019	7/8/2019	97	43.3	3.12	302.64
Third Quarter 2019	68	Pinyon Plain Site	7/8/2019	10/9/2019	93	39.9	3.00	279
Fourth Quarter 2019	68	Pinyon Plain Site	10/9/2019	1/8/2020	91	39.1	3.01	273.91
				Sum	362			1063.72
			Time v	weighted average				2.94
			2020					
First Quarter 2020	68	Pinyon Plain Site	1/8/2020	4/6/2020	89	37.5	2.95	262.55
Second Quarter 2020	68	Pinyon Plain Site	4/6/2020	7/7/2020	92	88.6	6.74	620.08
Third Quarter 2020	68	Pinyon Plain Site	7/7/2020	10/8/2020	93	37.9	2.85	265.05
Fourth Quarter 2020	68	Pinyon Plain Site	10/8/2020	1/7/2021	91	38.9	2.99	272.09
				Sum	365			1419.77
			Time v	weighted average				3.89

Badge 68 - Pinyon Plain - North Badge

Quarter	Badge ⁻ Number	Location	Date Issued	Date Returned	Total Days Badge Deployed	Mean Ambient Dose Equivalent	mRem / Week	mRem/wk *time
			2021					
First Quarter 2021	68	Pinyon Plain Site	1/7/2021	4/8/2021	91	36.6	2.82	256.62
Second Quarter 2021	68	Pinyon Plain Site	4/8/2021	7/7/2021	90	34.8	2.71	243.9
Third Quarter 2021	68	Pinyon Plain Site	7/7/2021	10/6/2021	91	36.1	2.78	252.98
Fourth Quarter 2021	68	Pinyon Plain Site	10/6/2021	1/5/2022	91	39.1	3.01	273.91
				Sum	363			1027.41
			Time v	weighted average				2.83
			2022					
First Quarter 2022	68	Pinyon Plain Site	1/5/2022	4/13/2022	98	39.3	2.81	275.10
Second Quarter 2022	68	Pinyon Plain Site	4/13/2022	7/11/2022	89	38.7	3.04	270.56
Third Quarter 2022	68	Pinyon Plain Site	7/11/2022	10/3/2022	84	31.3	2.61	219.24
Fourth Quarter 2022	68	Pinyon Plain Site	10/3/2022	1/4/2023	93	40.2	3.03	281.79
				Sum	364			1046.69
			Time v	weighted average				2.88
			2023	53 E				
First Quarter 2023	68	Pinyon Plain Site	1/4/2023	4/5/2023	91	32.5	2.50	227.50
Second Quarter 2023	68	Pinyon Plain Site	4/5/2023	7/6/2023	92	36.4	2.77	254.84
Third Quarter 2023	68	Pinyon Plain Site	7/6/2023	10/6/2023	92	40.2	3.06	281.52
Fourth Quarter 2023	68	Pinyon Plain Site	10/6/2023	1/3/2024	89	39.7	3.12	277.90
				Sum	364			1041.76
			Time v	weighted average				2.86

Badge 69 - Pinyon Plain - East Badge

	Badge			Date	Total Days Badge	Mean Ambient Dose	mRem /	mRem/wk*
Quarter	Number	Location	Date Issued	Returned	Deployed	Equivalent	Week	time
			2013					
First Quarter 2013	69	Pinyon Plain Site	12/31/2012	3/28/2013	87	35	2.82	245.00
Second Quarter 2013	69	Pinyon Plain Site	3/28/2013	6/26/2013	90	34.8	2.71	243.60
Third Quarter 2013	69	Pinyon Plain Site	6/26/2013	9/30/2013	96	38.1	2.78	266.70
Fourth Quarter 2013	69	Pinyon Plain Site	9/30/2013	1/2/2014	94	38.2	2.84	267.40
				Sum	367			1022.70
			Time we	ighted average				2.79
			2014					
First Quarter 2014	69	Pinyon Plain Site	1/2/2014	3/27/2014	84	39.4	3.28	275.52
Second Quarter 2014	69	Pinyon Plain Site	3/27/2014	6/27/2014	92	39.8	3.03	278.76
Third Quarter 2014	69	Pinyon Plain Site	6/27/2014	9/25/2014	90	47.8	3.72	334.80
Fourth Quarter 2014	69 _	Pinyon Plain Site	9/25/2014	1/2/2015	99	45	3.18	314.82
				Sum	365			1203.90
			Time we	ighted average				3.30
			2015					
First Quarter 2015	69	Pinyon Plain Site	1/2/2015	4/1/2015	89	37.2	2.93	260.77
Second Quarter 2015	69	Pinyon Plain Site	4/1/2015	7/1/2015	91	42	3.23	293.93
Third Quarter 2015	69	Pinyon Plain Site	7/1/2015	9/25/2015	86	37.1	3.02	259.72
Fourth Quarter 2015	69	Pinyon Plain Site	9/25/2015	1/7/2016	104	44	2.96	307.84
		-		Sum	370			1122.26
			Time we	ighted average				3.03
			2016					
First Quarter 2016	69	Pinyon Plain Site	1/7/2016	3/31/2016	86	57.3	4.66	400.76
Second Quarter 2016	69	Pinyon Plain Site	3/31/2016	7/7/2016	98	45.2	3.23	316.54
Third Quarter 2016	69	Pinyon Plain Site	7/7/2016	10/10/2016	95	44.8	3.30	313.50
Fourth Quarter 2016	69	Pinyon Plain Site	10/10/2016	1/3/2017	85	41.5	3.42	290.70
-				Sum	364			1321.50
			Time we	ighted average				3.63

Badge 69 - Pinyon Plain - East Badge

	Badge			Date	Total Days Badge	Mean Ambient Dose	mRem /	mRem/wk*
Quarter	Number	Location	Date Issued	Returned	Deployed	Equivalent	Week	time
			2017					
First Quarter 2017	69	Pinyon Plain Site	1/3/2017	4/10/2017	97	35.1	2.53	245.41
Second Quarter 2017	69	Pinyon Plain Site	4/10/2017	7/6/2017	87	36.3	2.92	254.04
Third Quarter 2017	69	Pinyon Plain Site	7/6/2017	10/3/2017	89	37.5	2.95	262.55
Fourth Quarter 2017	69	Pinyon Plain Site	10/3/2017	1/3/2018	92	37.4	2.85	262.20
				Sum	365			1024.20
			Time we	ighted average				2.81
			2018					
First Quarter 2018	69	Canyon Mine Site	1/3/2018	4/3/2018	90	36.8	2.86	257.4
Second Quarter 2018	69	Canyon Mine Site	4/3/2018	7/15/2018	103	43.6	2.96	304.88
Third Quarter 2018	69	Canyon Mine Site	7/15/2018	10/11/2018	88	38.6	3.07	270.16
Fourth Quarter 2018	69	Canyon Mine Site	10/11/2018	1/11/2019	92	39.2	2.98	274.16
-		·		Sum	373			1106.6
			Time we	ighted average				2.97
			2019					
First Quarter 2019	69	Pinyon Plain Site	1/11/2019	4/2/2019	81	27.3	2.36	191.16
Second Quarter 2019	69	Pinyon Plain Site	4/2/2019	7/8/2019	97	39.1	2.82	273.54
Third Quarter 2019	69	Pinyon Plain Site	7/8/2019	10/9/2019	93	37.6	2.83	263.19
Fourth Quarter 2019	69	Pinyon Plain Site	109/2019	1/8/2020	91	38.8	2.98	271.18
				Sum	362			999.07
			Time we	ighted average				2.76
			2020					
First Quarter 2020	69	Pinyon Plain Site	1/8/2020	4/6/2020	89	34.5	2.71	241.19
Second Quarter 2020	69	Pinyon Plain Site	4/6/2020	7/7/2020	92	99.3	7.56	695.52
Third Quarter 2020	69	Pinyon Plain Site	7/7/2020	10/8/2020	93	37.9	2.85	265.05
Fourth Quarter 2020	69	Pinyon Plain Site	10/8/2020	1/7/2021	91	36.7	2.82	256.62
				Sum	365			1458.38
			Time we	ighted average				4.00

Badge 69 - Pinyon Plain - East Badge

Quarter	Badge Number	Location	Date Issued	Date Returned	Total Days Badge Deployed	Mean Ambient Dose Equivalent	mRem / Week	mRem/wk* time
			2021					
First Quarter 2021	69	Pinyon Plain Site	1/7/2021	4/8/2021	91	36.3	2.79	253.89
Second Quarter 2021	69	Pinyon Plain Site	4/8/2021	Missing				0
Third Quarter 2021	69	Pinyon Plain Site	7/7/2021	10/6/2021	91	35.9	2.76	251.16
Fourth Quarter 2021	69	Pinyon Plain Site	10/6/2021	1/5/2022	91	34.5	2.65	241.15
				Sum	273			746.20
		Time weighted average						
			2022					
First Quarter 2022	69	Pinyon Plain Site	1/5/2022	4/13/2022	98	39.7	2.84	277.90
Second Quarter 2022	69	Pinyon Plain Site	4/13/2022	7/11/2022	89	38.3	3.01	267.89
Third Quarter 2022	69	Pinyon Plain Site	7/11/2022	10/3/2022	84	32.3	2.69	225.96
Fourth Quarter 2022	69	Pinyon Plain Site	10/3/2022	1/4/2023	93	37.8	2.85	265.05
				Sum	364			1036.80
		Time weighted average						2.85
			2023					
First Quarter 2023	69	Pinyon Plain Site	1/4/2023	4/5/2023	91	33.7	2.59	235.90
Second Quarter 2023	69	Pinyon Plain Site	4/5/2023	7/6/2023	92	33.2	2.53	232.76
Third Quarter 2023	69	Pinyon Plain Site	7/6/2023	10/6/2023	92	42.5	3.23	297.16
Fourth Quarter 2023	69	Pinyon Plain Site	10/6/2023	1/3/2024	89	32.7	2.57	228.90
				Sum	364			994.72
		Time weighted average						2.73

Badge 114 - Pinyon Plain - South West Badge	
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Quarter	Badge Number	Location	Date Issued	Date Returned	Total Days Badge Deployed	Mean Ambient Dose Equivalent	mRem / Week	mRem/wk *time
			2021					
First Quarter 2021	114	Pinyon Plain Site	Not in use					
Second Quarter 2021	114	Pinyon Plain Site	Not in use					
Third Quarter 2021	114	Pinyon Plain Site	Not in use					
Fourth Quarter 2021	114	Pinyon Plain Site	10/7/2021	1/5/2022	90	30.6	2.38	214.2
				Sum	90			214.2
			Time weigh	ted average				2.38
			2022					
First Quarter 2022	114	Pinyon Plain Site	1/5/2022	4/13/2022	98	28.9	2.06	202.30
Second Quarter 2022	114	Pinyon Plain Site	4/13/2022	7/11/2022	89	31.9	2.51	223.39
Third Quarter 2022	114	Pinyon Plain Site	7/11/2022	10/3/2022	84	27.5	2.29	192.36
Fourth Quarter 2022	114	Pinyon Plain Site	10/3/2022	1/4/2023	93	32.2	2.42	225.06
				Sum	364			843.11
			Time weigh	ted average				2.32
			2023					
First Quarter 2023	114	Pinyon Plain Site	1/4/2023	4/5/2023	91	28.3	2.18	198.10
Second Quarter 2023	114	Pinyon Plain Site	4/5/2023	7/6/2023	92	31.2	2.37	218.04
Third Quarter 2023	114	Pinyon Plain Site	7/6/2023	10/5/2023	91	33.4	2.57	233.87
Fourth Quarter 2023	114	Pinyon Plain Site	10/5/2023	1/3/2024	90	31.2	2.43	218.40
				Sum	364			868.41
			Time weigh	ted average				2.39

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	Badge			Date	Total Days Badge	Mean Ambient Dose	mRem /	mRem/wk
Quarter	Number	Location	Date Issued	Returned	Deployed	Equivalent	Week	*time
			2021					
First Quarter 2021	115	Pinyon Plain Site	Not in use					
Second Quarter 2021	115	Pinyon Plain Site	Not in use					
Third Quarter 2021	115	Pinyon Plain Site	Not in use					
Fourth Quarter 2021	115	Pinyon Plain Site	10/7/2021	1/5/2022	90	34.4	2.68	241.2
				Sum	90			241.2
			Time weigh	ted average				2.68
			2022					
First Quarter 2022	115	Pinyon Plain Site	1/5/2022	4/13/2022	98	34.2	2.44	239.40
Second Quarter 2022	115	Pinyon Plain Site	4/13/2022	7/11/2022	89	35.2	2.77	246.53
Third Quarter 2022	115	Pinyon Plain Site	7/11/2022	10/3/2022	84	27.6	2.30	193.2
Fourth Quarter 2022	115	Pinyon Plain Site	10/3/2022	1/4/2023	93	37.0	2.78	258.54
				Sum	364			937.67
			Time weigh	ted average				2.58
			2023					
First Quarter 2023	115	Pinyon Plain Site	1/4/2023	4/5/2023	91	32.7	2.52	228.90
Second Quarter 2023	115	Pinyon Plain Site	4/5/2023	7/6/2023	92	36.9	2.81	258.52
Third Quarter 2023	115	Pinyon Plain Site	7/6/2023	10/5/2023	91	37.1	2.85	259.35
Fo <mark>urth Quarter 2023</mark>	115	Pinyon Plain Site	10/5/2023	1/3/2024	90	30.5	2.37	213.50
				Sum	364			960.2 7
			Time weigh	ted average	!			2.64

Badge 115 - Pinyon Plain - South East Badge

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