

Steve Sisolak
Governor



Richard Whitley, MS
Director

**DEPARTMENT OF
HEALTH AND HUMAN SERVICES**
DIVISION OF PUBLIC AND BEHAVIORAL HEALTH
Helping people. It's who we are and what we do.



Lisa Sherych
Administrator

Ihsan Azzam,
Ph.D., M.D.
Chief Medical Officer

December 16, 2022

MEMORANDUM

To: Beatty File

From: Corey Creveling, Radiation Control Supervisor *CRC*

Subject: Beatty Inspection Summary November 28, 2022

An inspection of the Beatty Low-Level Radioactive Waste landfill (closed) was conducted on November 28, 2022, by Corey Creveling, John Follette, and Dave Elkington. The site is properly secured with an outside perimeter fence placed on the western and southern sides of the site. An interior boundary has been established around the entire area surrounding the cap. Caution Radioactive Materials signs are posted at the boundary to clearly mark the location of the low-level radioactive waste area. The radiological survey was performed using BNC Model SAMpack-120 with serial number BSN 120069. The survey was conducted by driving the backpack around the site boundary access road and by walking in a grid pattern across the cap to detect radiological anomalies. None were detected. Work (piping assembly/welding) was in progress on the northeast corner which blocked the road near the heavy equipment shop preventing driving around the full perimeter but back tracking and driving to the other side of the perimeter allowed full survey completion by vehicle. Dose rate readings on the cap remain about twice background,* as measured in the background location. The cap was in good condition with no visible defects on the top or sides and the repairs noted in the previous inspection were set into the surface of the cap.

Status of Previous Inspection Items:

The markers for the trenches are not in place on the cap. They are still stacked off to the side of the cap, near the southwest corner.

Site Observations:

Radiological Postings Adequate: Yes

Site Boundary and Access Road Maintained: Yes

Erosion, Fissures, Water Pooling, or Subsidence Concerns:
No concerns identified.

Rain Since Last Inspection:
September – 0.0”, October – 0.02”, November – 0.32”

Radiation Survey Results:

Instruments:

BNC Model SAMpack-120 (BSN 120069) Calibration date: Daily by self-calibration

Background Location: Between US 95 and the site, at the south-east side of the site entrance gate.

Background measurement: 18 – 22 µrem/hr

Value used for twice background: 44 µrem/hr

Site Boundary Highest Measurement: Within twice background*

Cap Highest Measurement: Within twice background*

*If sustained radiation measurements are above twice background, record the measurement and identify the location. Otherwise, indicate all measurements were within twice background.

For any reading above 0.5 mrem/hr contact a supervisor or the State of Nevada Radiation Control Program Manager. (Site Stabilization and Closure Plan Closure Plan for Low-Level Radioactive Waste Management Facility US Ecology, Inc. Beatty, Nevada, submittal date December 1988.)

Contacts: John Follette: 702-486-3017, jfollette@health.nv.gov
 Corey Creveling: 775-687-7536, ccreveling@health.nv.gov

Beatty 11SSE US Ecology Nevada
 Monthly Summary for
September, 2022

Day	Day	Total	Wind			Air Temperature			Humidity			Dew	Wet	Total
of	of	Solar Rad.	Ave. V.	Dir.	Max.	Mean	Max	Min	Mean	Max	Min	Point	Bulb	Precip
Month	Year	ly.	mph	Deg	mph	Deg.	Fahrenheit		Percent			Deg.	Fahrenheit	inches
1	244	0	6.2	286	27.0	94	110	76	13	23	7	33	59	0.00
2	245	5	5.2	190	24.7	96	114	76	13	22	6	34	60	0.00
3	246	0	6.6	179	34.0	94	109	77	21	31	12	47	64	0.00
4	247	0	5.6	271	21.1	94	109	77	23	37	13	48	64	0.00
5	248	0	6.2	226	19.2	95	109	78	21	34	11	47	64	0.00
6	249	0	5.5	223	23.3	96	113	78	15	29	6	38	61	0.00
7	250	0	7.3	158	23.6	96	110	80	18	32	10	45	64	0.00
8	251	0	7.5	254	34.7	93	107	76	19	32	9	44	62	0.00
9	252	0	8.4	190	26.8	88	102	76	29	47	16	50	63	0.00
10	253	0	10.6	132	26.3	80	90	72	51	66	33	60	66	0.00
11	254	0	6.4	236	26.2	82	95	68	41	73	16	53	63	0.00
12	255	3	8.5	127	25.7	78	87	72	44	64	34	54	62	0.00
13	256	0	7.4	159	28.0	76	85	67	52	73	37	56	63	0.47
14	257	0	6.9	163	19.9	75	88	63	45	85	14	47	58	0.00
15	258	1	6.6	195	24.3	75	89	60	30	62	13	39	54	0.00
16	259	0	5.2	226	19.8	75	90	59	26	45	12	35	53	0.00
17	260	0	12.4	174	31.7	75	90	60	23	45	8	32	52	0.00
18	261	0	14.1	155	36.3	75	87	65	22	40	8	32	52	0.00
19	262	0	11.0	141	27.2	75	88	65	20	34	8	29	51	0.00
20	263	5	12.1	157	35.1	75	87	61	19	35	9	29	51	0.00
21	264	0	8.8	163	25.8	74	86	61	20	45	6	27	51	0.00
22	265	0	4.7	230	15.6	71	87	57	20	33	9	27	49	0.00
23	266	0	4.8	243	14.4	75	92	59	16	29	5	23	49	0.00
24	267	0	4.8	260	17.5	79	97	58	17	27	7	29	52	0.00
25	268	0	5.1	256	20.5	81	99	63	17	33	7	29	53	0.00
26	269	0	5.1	260	18.0	81	98	62	12	20	6	21	51	0.00
27	270	0	5.1	259	22.8	81	98	63	14	22	8	25	52	0.00
28	271	0	11.8	136	26.8	83	98	67	23	29	11	40	58	0.00
29	272	0	8.3	212	23.0	83	96	68	22	46	8	36	56	0.00
30	273	0	5.2	259	18.1	78	93	61	17	29	8	28	52	0.00

MONTHLY STATISTICS

	Total	Wind			Air Temperature			Humidity			Dew	Wet	Total
	Solar Rad.	Ave. V.	Dir.	Max.	Mean	Max	Min	Mean	Max	Min	Point	Bulb	Precip.
	ly.	mph	Deg	mph	Deg.	Fahrenheit		Percent			Deg.	Fahrenheit	inches
Total	15												0.47
Ave.	0	7.4	194	24.6	82.3	96.7	67.4	24	41	12	38	57	
Max.	5	14.1		36.3	96	114	80	52	85	37	60	66	0.47
Min.	0	4.7		14.4	71	85	57	12	20	5	21	49	0.00

Data are subject to further review and editing. Please refer any questions to the Western Regional Climate Center.

° 1 ly = 1 cal/cm² = 4.1855 J/cm² = 3.6855 BTU/ft² = .01163 KW-hr/m²

Beatty 11SSE US Ecology Nevada

Monthly Summary for

October, 2022

Day	Day	Total	Wind			Air Temperature			Humidity			Dew	Wet	Total
of	of	Solar Rad.	Ave. V.	Dir.	Max.	Mean	Max	Min	Mean	Max	Min	Point	Bulb	Precip
Month	Year	ly.	mph	Deg	mph	Deg.	Fahrenheit		Percent		Deg.	Fahrenheit		inches
1	274	0	4.7	175	24.5	77	91	63	16	26	10	27	51	0.00
2	275	0	6.2	273	17.2	75	92	59	22	33	11	32	52	0.00
3	276	0	5.3	310	17.1	77	92	61	18	34	8	28	51	0.00
4	277	0	4.7	270	15.1	78	94	62	14	22	8	24	51	0.00
5	278	0	4.8	240	18.1	77	94	60	14	23	8	23	50	0.00
6	279	0	5.0	278	15.6	77	94	60	16	24	9	26	50	0.00
7	280	0	4.9	261	16.5	76	94	61	18	27	11	29	51	0.00
8	281	0	4.8	262	20.6	77	92	61	18	29	10	28	51	0.00
9	282	0	5.4	239	15.1	75	91	59	21	30	13	32	52	0.00
10	283	0	7.6	278	30.6	75	91	60	24	37	11	34	52	0.00
11	284	0	4.7	268	17.1	74	89	59	22	37	11	30	51	0.00
12	285	0	4.3	292	16.9	75	93	59	15	26	7	22	49	0.00
13	286	0	4.8	298	15.5	74	93	57	13	22	7	19	48	0.00
14	287	0	4.8	270	14.9	74	92	58	13	20	6	17	48	0.00
15	288	0	6.2	261	26.7	74	91	56	19	56	8	26	50	0.00
16	289	1	5.0	195	18.3	71	86	56	38	67	17	41	54	0.00
17	290	0	5.3	278	13.3	71	88	56	29	46	13	35	51	0.00
18	291	0	4.1	280	14.7	71	90	54	21	36	9	27	49	0.00
19	292	0	5.2	268	16.0	72	88	54	16	25	9	21	47	0.00
20	293	0	4.5	289	16.3	69	88	56	16	22	9	20	46	0.00
21	294	0	6.4	219	18.7	70	85	52	19	27	11	24	47	0.00
22	295	1	16.6	19	61.8	65	82	52	27	40	12	29	47	0.02
23	296	17	22.0	343	43.1	53	59	48	22	31	12	15	37	0.00
24	297	34	10.1	313	29.7	52	65	41	20	34	10	11	36	0.00
25	298	21	5.1	263	14.5	54	71	39	17	27	9	8	37	0.00
26	299	7	7.4	290	32.2	59	74	41	20	42	13	16	40	0.00
27	300	3	6.6	303	22.6	54	68	43	15	25	7	6	37	0.00
28	301	6	4.8	259	14.7	54	69	37	14	22	8	5	36	0.00
29	302	2	5.5	296	23.3	59	76	41	12	19	7	5	39	0.00
30	303	0	8.4	336	30.9	62	77	50	14	20	9	13	42	0.00
31	304	1	4.7	216	17.7	62	76	44	16	27	10	14	42	0.00

MONTHLY STATISTICS

	Total	Wind			Air Temperature			Humidity			Dew	Wet	Total
	Solar Rad.	Ave. V.	Dir.	Max.	Mean	Max	Min	Mean	Max	Min	Point	Bulb	Precip.
	ly.	mph	Deg	mph	Deg.	Fahrenheit		Percent		Deg.	Fahrenheit		inches
Total	94												0.02
Ave.	3	6.5	278	21.6	68.8	84.7	53.5	19	31	10	22	47	
Max.	34	22.0		61.8	78	94	63	38	67	17	41	54	0.02
Min.	0	4.1		13.3	52	59	37	12	19	6	5	36	0.00

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° 1 ly = 1 cal/cm² = 4.1855 J/cm² = 3.6855 BTU/ft² = .01163 KW-hr/m²

Beatty 11SSE US Ecology Nevada
 Monthly Summary for
November, 2022

Day of Month	Day of Year	Total Solar Rad. ly.	Ave. V. mph	Wind Dir. Deg	Max. mph	Air Temperature Mean Deg. Fahrenheit	Max Fahrenheit	Min Fahrenheit	Humidity Mean	Max	Min	Dew Point Deg. Fahrenheit	Wet Bulb	Total Precip. inches
1	305	0	14.5	172	37.3	64	76	53	18	40	9	18	44	0.00
2	306	4	10.7	117	37.8	56	64	43	32	60	15	24	42	0.00
3	307	133	21.4	333	42.4	47	55	41	38	76	20	21	36	0.00
4	308	41	7.5	231	29.3	49	65	37	29	43	17	17	36	0.00
5	309	19	4.5	254	11.5	50	67	36	30	48	17	18	37	0.00
6	310	6	9.0	163	25.7	54	65	39	37	55	24	28	42	0.00
7	311	11	16.4	152	36.8	60	70	53	46	64	30	38	48	0.00
8	312	51	17.3	165	52.8	50	62	45	62	88	36	37	44	0.32
9	313	106	6.7	218	28.1	47	57	37	51	78	27	28	38	0.00
10	314	145	12.7	322	26.1	47	56	38	34	58	16	18	35	0.00
11	315	50	4.3	290	22.3	44	56	33	34	58	15	16	33	0.00
12	316	124	5.3	226	14.6	43	56	29	37	63	18	16	32	0.00
13	317	130	20.1	326	39.8	47	54	37	38	59	28	22	36	0.00
14	318	46	6.6	266	28.2	47	60	36	36	50	20	20	36	0.00
15	319	79	9.7	353	29.1	47	58	35	30	51	15	15	35	0.00
16	320	116	13.9	310	31.4	48	61	39	22	40	10	9	34	0.00
17	321	19	3.6	175	9.7	47	64	36	24	34	11	11	34	0.00
18	322	30	12.9	333	34.0	49	61	36	22	36	11	10	35	0.00
19	323	138	13.1	322	36.4	46	59	35	18	30	7	3	32	0.00
20	324	11	3.9	283	12.3	45	66	29	18	31	6	2	31	0.00
21	325	16	4.0	246	10.3	46	64	32	18	29	7	3	31	0.00
22	326	26	3.3	276	11.6	48	67	33	17	29	7	3	33	0.00
23	327	3	14.9	324	38.5	55	67	36	17	27	9	10	37	0.00
24	328	1	8.0	325	25.3	51	64	39	15	23	8	4	34	0.00
25	329	5	4.5	281	11.9	48	66	33	19	31	9	6	33	0.00
26	330	20	10.0	318	39.8	51	66	35	25	39	12	15	36	0.00
27	331	7	5.0	165	19.2	48	60	36	35	53	21	20	36	0.00
28	332	14	7.2	295	29.9	46	57	33	34	53	20	18	35	0.00
29	333	2	7.1	313	28.5	46	58	33	29	43	18	14	33	0.00
30	334	22	5.5	207	17.4	43	55	29	34	47	20	16	32	0.00

MONTHLY STATISTICS

	Total Solar Rad. ly.	Ave. V. mph	Wind Dir. Deg	Max. mph	Air Temperature Mean Deg. Fahrenheit	Max Fahrenheit	Min Fahrenheit	Humidity Mean	Max	Min	Dew Point Deg. Fahrenheit	Wet Bulb	Total Precip. inches
Total	1374												0.32
Ave.	46	9.5	290	27.3	48.9	61.9	36.9	30	48	16	16	36	
Max.	145	21.4		52.8	64	76	53	62	88	36	38	48	0.32
Min.	0	3.3		9.7	43	54	29	15	23	6	2	31	0.00

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