

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

August 1, 2022

MEMORANDUM

To: Beatty File

From: John Follette, Manager, Radiation Control Program 

Subject: Beatty Inspection Summary July 29, 2022

An inspection of the Beatty Low-Level Radioactive Waste landfill (closed) was conducted on July 29, 2022 by John Follette and Corey Creveling. 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 numbers BSN 120068. 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. Dose rate readings on the cap remain about twice background,* as measured in the background location.

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:
June – 0.0”, July – 0.19”.

Radiation Survey Results:

Instruments:

BNC Model SAMpack-120 (BSN 120068) 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: 20 – 24 urem/hr

Value used for twice background: 48 urem/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

Station Summary Beatty 11SSE US Ecology Nevada
Monthly Summary for June, 2022

Day of Month	Day of Year	Total Solar Rad. ly.	Wind Ave. V. mph	Dir. Max. Deg	Air Temperature Mean Deg. Fahrenheit	Max	Min	Humidity Mean Percent	Max	Min	Dew Point Deg. Fahrenheit	Wet Bulb	Total Precip. inches	
1	152	0	4.2	181	14.6	75	92	58	11	20	6	16	48	0.00
2	153	0	6.0	193	25.4	80	95	58	9	13	5	14	50	0.00
3	154	0	8.8	146	25.4	83	96	66	12	18	7	24	53	0.00
4	155	0	8.9	126	22.3	81	93	71	20	30	11	34	55	0.00
5	156	0	6.7	180	22.4	85	98	69	20	31	11	38	57	0.00
6	157	0	9.1	300	28.5	86	100	70	14	39	4	25	54	0.00
7	158	0	5.4	209	22.5	89	103	73	7	13	5	18	54	0.00
8	159	5	7.3	184	24.1	89	104	69	10	15	6	25	55	0.00
9	160	0	7.4	222	23.4	88	103	68	10	17	5	23	54	0.00
10	161	11	6.9	197	25.8	92	108	70	11	19	6	29	57	0.00
11	162	7	7.9	178	23.1	93	108	72	12	22	6	31	58	0.00
12	163	0	15.1	149	37.1	90	106	74	15	27	4	34	58	0.00
13	164	2	14.5	341	44.7	84	97	73	19	39	5	34	56	0.00
14	165	1	11.2	300	32.9	77	92	63	8	15	4	10	48	0.00
15	166	0	6.9	201	28.2	85	100	68	6	11	4	11	51	0.00
16	167	0	13.0	200	34.5	88	104	64	8	12	4	18	53	0.00
17	168	0	20.7	169	43.5	83	94	72	10	17	5	20	52	0.00
18	169	0	12.7	147	37.0	74	88	62	9	19	2	10	47	0.00
19	170	0	11.0	305	30.4	73	84	61	16	30	7	21	48	0.00
20	171	0	8.7	283	24.8	78	92	66	11	18	5	17	49	0.00
21	172	0	5.1	252	19.0	82	98	62	7	12	4	10	49	0.00
22	173	0	9.6	298	32.1	72	80	64	32	66	7	34	53	0.00
23	174	0	10.4	243	52.0	78	96	59	39	75	15	48	59	0.00
24	175	0	5.2	221	24.3	84	99	65	22	53	8	36	57	0.00
25	176	0	6.1	259	23.3	88	103	66	13	27	6	28	56	0.00
26	177	0	5.8	217	27.8	91	105	71	10	22	5	26	56	0.00
27	178	1	7.0	150	22.6	93	106	73	16	35	8	38	60	0.00
28	179	0	9.3	178	29.6	95	108	76	15	24	9	38	61	0.00
29	180	0	12.5	154	30.8	95	105	85	12	18	7	34	60	0.00
30	181	0	11.2	145	25.0	92	104	82	12	18	8	32	58	0.00

MONTHLY STATISTICS

	Total Solar Rad. ly.	Wind Ave. V. mph	Dir. Max. Deg	Air Temperature Mean Deg. Fahrenheit	Max	Min	Humidity Mean Percent	Max	Min	Dew Point Deg. Fahrenheit	Wet Bulb	Total Precip. inches	
Total	28											0.00	
Ave.	1	9.2	193	28.6	84.8	98.8	68.3	14	26	6	26	54	
Max.	11	20.7		52.0	95	108	85	39	75	15	48	61	0.00
Min.	0	4.2		14.6	72	80	58	6	11	2	10	47	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

Station Summary Beatty 11SSE US Ecology Nevada
Monthly Summary for July, 2022

Day of Month	Day of Year	Total Solar Rad. ly.	Wind Ave. V. mph	Dir. Max. Deg	Air Temperature Mean Deg. Fahrenheit	Max	Min	Humidity Mean Percent	Max	Min	Dew Point Deg. Fahrenheit	Wet Bulb	Total Precip. inches	
1	182	0	10.4	144	23.3	90	102	78	9	16	4	21	55	0.00
2	183	0	14.0	148	30.8	89	101	75	14	20	9	32	57	0.00
3	184	0	11.9	149	28.2	85	98	73	12	20	5	24	53	0.00
4	185	0	11.9	146	32.0	83	96	71	15	24	9	30	54	0.00
5	186	0	13.0	141	30.3	85	97	74	18	25	11	36	57	0.00
6	187	0	12.9	149	29.5	87	99	76	20	33	10	38	58	0.00
7	188	0	8.7	163	35.0	88	101	72	13	23	6	30	56	0.00
8	189	0	8.4	177	29.9	88	103	68	11	19	7	27	55	0.00
9	190	0	8.6	203	26.0	90	106	69	9	19	3	19	54	0.00
10	191	0	6.3	248	24.5	91	106	70	9	12	6	24	55	0.00
11	192	6	4.6	245	20.0	94	109	73	10	18	6	29	58	0.00
12	193	0	8.9	210	30.7	95	109	74	11	18	7	31	59	0.00
13	194	0	10.8	169	29.3	97	108	85	11	16	8	34	60	0.00
14	195	0	13.3	156	35.7	95	108	78	19	35	12	45	64	0.00
15	196	0	11.0	141	26.7	94	107	81	25	42	14	52	66	0.00
16	197	0	7.3	193	22.4	97	110	79	21	33	13	49	65	0.00
17	198	0	10.2	142	29.4	93	104	80	22	36	15	48	64	0.00
18	199	0	11.2	147	30.9	92	106	77	24	34	15	49	64	0.00
19	200	0	7.2	233	24.7	94	107	78	22	36	11	47	64	0.00
20	201	0	6.5	214	25.4	96	108	79	17	29	11	43	63	0.00
21	202	0	5.3	223	23.2	97	109	77	13	25	9	37	61	0.00
22	203	0	8.2	212	29.7	96	110	76	13	22	8	35	60	0.00
23	204	0	12.7	140	34.3	93	104	81	13	29	6	33	59	0.00
24	205	0	9.8	155	27.8	94	107	82	19	33	9	44	63	0.00
25	206	0	12.5	124	31.3	82	88	73	44	77	31	58	66	0.00
26	207	0	6.2	137	18.2	87	100	75	38	54	23	58	67	0.00
27	208	122	7.8	120	33.7	91	105	81	31	47	18	55	67	0.00
28	209	652	8.5	165	30.2	92	106	75	29	48	14	53	66	0.00
29	210	574	11.5	121	66.2	90	104	79	32	51	18	55	66	0.00
30	211	0	8.1	154	39.0	88	103	75	39	60	19	58	67	0.00
31	212	18	7.5	127	41.7	81	97	73	58	85	32	64	69	0.19

MONTHLY STATISTICS

	Total Solar Rad. ly.	Wind Ave. V. mph	Dir. Max. Deg	Air Temperature Mean Deg. Fahrenheit	Max	Min	Humidity Mean Percent	Max	Min	Dew Point Deg. Fahrenheit	Wet Bulb	Total Precip. inches
Total	1372			90.7	103.8	76.0	21	34	12	41	61	0.19
Ave.	44	9.5	160	30.3	103.8	76.0	21	34	12	41	61	
Max.	652	14.0		66.2	97	110	58	85	32	64	69	0.19
Min.	0	4.6		18.2	81	88	9	12	3	19	53	0.00

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