

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 20, 2020

MEMORANDUM

To: Beatty File

From: Haley Brown, Radiation Control Specialist *HB*

Subject: Beatty Inspection Summary August 19, 2020

An inspection of the Beatty Low-Level Radioactive Waste landfill (closed) was conducted on August 19, 2020 by Haley Brown. The radiological survey was performed by driving the BNC Model SAMpack-120 (BSN 120068) backpack around the site boundary access road and 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 at 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, inside of the fenced area.

Site Observations:

Radiological Postings Adequate:

One posting on the Northern border of the fence has fallen off and will be reattached. All other postings along the fence and gate are adequate.

Site Boundary Fence Undamaged and Gate(s) Locked: Yes

Site Boundary, Access Road, and Buffer Areas Maintained: Yes

Rain Since Last Inspection:

May – 0.01”, June – 0.00”, July – 0.00”, and August – 0.00” as of August 19, 2020.

Erosion, Fissures, Water Pooling, or Subsidence Concerns:

- Along the site boundary fence, minimal areas of minor erosion were observed due to runoff from the cap. Erosion along the site boundary fence indicates that water is running off the cap efficiently.
- At 10:32 AM on August 19, 2020, there was a 4.8 magnitude earthquake at Death Valley National Park, which is about 30 miles from the site. There was no apparent damage to the site or site boundary as a result of this earthquake.

Radiation Survey Results:

Instrument: 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: 16 - 23 urem/hr

Value used for twice background: 46 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:	Karen Beckley:	775-687-7540, kbeckley@health.nv.gov
	Glen Gimenez:	775-687-7542, glgimenez@health.nv.gov
	John Follette:	702-486-3017, jfollette@health.nv.gov
	Haley Brown:	702-486-3015, habrown@health.nv.gov

Back to:



← prev month **Station Summary** next month →

NOTE:
To print data frame (right side), click on right frame before printing.

Beatty 11SSE US Ecology Nevada

Monthly Summary for

May, 2020

- [Daily Summary](#)
- [Daily Summary \(with Wind Chill and Heat Index\)](#)
- [Daily Summary Time Series](#)
- [Monthly Summary](#)
- [Monthly Summary \(w/ Et data\)](#)
- [Monthly Summary Time Series](#)
- [Graph of last 7 days](#)
- [Time Series Graph](#)
- [Wind Rose Graph and Tables](#)
- [Wind Stability/Wind Rose Graph and Tables](#)
- [Frequency Distribution/Histogram](#)
- [Data Lister](#)
- [Data Inventory \(Monthly Graphic\)](#)
- [Station Metadata and Photos](#)
- [Current 7-day forecast \(NWS\) \(May not work correctly for some Central and Southern U.S. states.\)](#)

Day of Month	Day of Year	Total Solar Rad. ly.	Wind Ave. mph	Wind V. Dir. Deg	Max. mph	Air Temperature Deg. Fahrenheit			Humidity Percent			Dew Point	Wet Bulb	Total Precip. inches	Total Penman ET. inches	
Month	Year	ly.	mph	Deg	mph	Deg.	Fahrenheit	Mean	Max	Min	Mean	Max	Min	Deg. Fahrenheit	inches	inches
1	122	652	7.6	265	25.9	78	90	63	17	33	10	29	52	0.00	0.35	
2	123	681	7.7	161	22.6	76	89	59	16	28	7	25	50	0.00	0.36	
3	124	670	11.1	218	44.5	75	87	55	16	33	7	24	50	0.00	0.35	
4	125	704	12.2	321	32.7	72	86	58	11	17	4	13	46	0.00	0.36	
5	126	709	5.5	247	19.3	75	92	51	10	21	4	12	47	0.00	0.38	
6	127	638	9.0	308	30.1	79	97	57	10	20	4	13	49	0.00	0.39	
7	128	704	10.2	298	32.0	80	95	65	8	14	5	13	49	0.00	0.39	
8	129	706	5.8	258	19.9	79	96	57	10	20	5	17	49	0.00	0.40	
9	130	696	6.1	204	22.5	83	98	64	10	17	4	19	51	0.00	0.40	
10	131	653	10.9	184	32.8	82	96	62	13	23	8	26	53	0.00	0.39	
11	132	702	12.0	146	28.6	77	91	64	12	20	6	19	49	0.00	0.38	
12	133	697	16.1	138	33.8	70	83	61	22	42	14	28	49	0.00	0.33	
13	134	679	7.6	170	21.4	69	81	52	28	51	12	32	49	0.00	0.32	
14	135	696	8.5	264	26.9	72	85	56	20	35	11	27	49	0.00	0.35	
15	136	702	9.7	301	27.5	75	90	62	20	30	12	31	52	0.00	0.37	
16	137	632	8.4	177	25.9	80	93	65	17	25	11	30	53	0.00	0.37	
17	138	702	19.0	151	40.4	80	93	71	17	30	4	28	53	0.00	0.38	
18	139	584	16.8	175	35.3	72	82	59	31	49	18	38	53	0.00	0.30	
19	140	481	11.8	121	41.8	57	70	48	41	73	20	33	45	0.01	0.21	
20	141	689	5.2	245	23.4	63	78	46	31	64	11	28	46	0.00	0.30	
21	142	731	7.4	213	19.1	72	86	56	18	34	7	24	48	0.00	0.36	
22	143	604	12.1	252	43.9	72	89	54	18	29	8	24	48	0.00	0.35	
23	144	738	15.6	322	34.3	67	78	55	15	28	8	16	44	0.00	0.34	
24	145	700	10.3	332	29.0	74	85	57	14	22	9	20	48	0.00	0.36	
25	146				23.0		94	61			22	9				
26	147	724	5.5	239	19.5	84	102	62	14	25	8	28	54	0.00	0.43	
27	148	722	6.0	243	22.3	90	105	69	13	21	8	32	57	0.00	0.44	
28	149	721	7.3	197	30.1	91	107	71	13	23	5	32	58	0.00	0.45	
29	150	684	12.9	164	32.5	90	106	68	11	23	5	28	56	0.00	0.44	
30	151	707	16.9	155	37.2	81	93	72	13	26	4	23	52	0.00	0.39	
31	152	638	7.8	154	19.6	77	90	58	21	38	11	33	53	0.00	0.36	

MONTHLY STATISTICS

Total	Solar Rad. ly.	Wind Ave. mph	Wind V. Dir. Deg	Max. mph	Air Temperature Deg. Fahrenheit			Humidity Percent			Dew Point	Wet Bulb	Total Precip. inches	Total Penman ET. inches	
Total	ly.	mph	Deg	mph	Deg.	Fahrenheit	Mean	Max	Min	Mean	Max	Min	Deg. Fahrenheit	inches	inches
Total	20347													0.01	11.00
Ave.	678	10.1	207	29.0	76.5	90.6	59.9	17	30	8	25	50			0.37
Max.	738	19.0		44.5	91	107	72	41	73	20	38	58	0.01		0.45
Min.	481	5.2		19.1	57	70	46	8	14	4	12	44	0.00		0.21

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

Western Regional Climate Center,
wrc@dro.edu

Back to:



Station Summary

NOTE:
To print data frame (right side), click on right frame before printing.

Beatty 11SSE US Ecology Nevada

Monthly Summary for

June, 2020

- [Daily Summary](#)
- [Daily Summary \(with Wind Chill and Heat Index\)](#)
- [Daily Summary Time Series](#)
- [Monthly Summary](#)
- [Monthly Summary \(w/ Et data\)](#)
- [Monthly Summary Time Series](#)
- [Graph of last 7 days](#)
- [Time Series Graph](#)
- [Wind Rose Graph and Tables](#)
- [Wind Stability/Wind Rose Graph and Tables](#)
- [Frequency Distribution/Histogram](#)
- [Data Lister](#)
- [Data Inventory \(Monthly Graphic\)](#)
- [Station Metadata and Photos](#)
- [Current 7-day forecast \(NWS\) \(May not work correctly for some Central and Southern U.S. states.\)](#)

Day of Month	Day of Year	Total Solar Rad. ly.	Wind Ave. mph	Wind V. Dir. Deg	Air Temperature Deg. Fahrenheit			Humidity Percent			Dew Point Deg. Fahrenheit	Wet Bulb Precip. inches	Total Penman ET. inches		
Month	Year	ly.	mph	Deg	mph	Deg.	Fahrenheit	Percent			Deg. Fahrenheit	inches	inches		
1	153	611	8.0	213	24.0	81	96	61	15	27	8	28	53	0.00	0.38
2	154	494	6.1	264	23.2	85	98	70	14	21	9	28	54	0.00	0.37
3	155	702	6.2	260	24.5	89	104	70	12	21	7	29	56	0.00	0.43
4	156	733	6.8	170	29.4	91	105	73	12	20	6	29	57	0.00	0.44
5	157	599	11.2	181	37.2	87	102	71	16	36	8	34	57	0.00	0.39
6	158	689	14.9	136	31.9	73	87	62	32	55	13	40	54	0.00	0.34
7	159	747	17.0	335	56.8	68	83	55	18	38	5	19	46	0.00	0.35
8	160	758	19.2	332	51.6	64	77	51	16	29	6	13	42	0.00	0.34
9	161	750	5.5	193	20.6	74	91	56	9	14	6	12	47	0.00	0.40
10	162	751	5.1	243	20.5	81	97	58	9	16	6	16	50	0.00	0.42
11	163	751	10.1	206	31.6	84	101	62	9	17	4	16	52	0.00	0.44
12	164	663	16.1	177	39.8	83	96	64	8	25	2	11	51	0.00	0.39
13	165	701	8.5	157	24.6	75	87	64	19	32	7	27	51	0.00	0.36
14	166	744	10.8	291	29.0	79	92	65	14	26	8	25	51	0.00	0.40
15	167	665	7.9	189	26.1	82	98	62	13	21	8	26	53	0.00	0.40
16	168	736	11.3	134	25.8	83	97	72	18	31	8	34	56	0.00	0.41
17	169	750	19.4	330	37.4	78	88	67	11	18	5	17	49	0.00	0.39
18	170	756	6.0	302	19.0	80	95	64	7	11	4	11	49	0.00	0.41
19	171	749	5.5	224	21.2	85	99	66	8	13	5	16	52	0.00	0.43
20	172	744	5.0	226	24.6	88	103	67	8	13	5	19	53	0.00	0.44
21	173	735	5.4	208	18.7	91	105	68	11	19	7	29	57	0.00	0.44
22	174	734	5.4	216	20.3	92	107	71	11	20	7	30	57	0.00	0.45
23	175	725	7.7	167	24.2	94	108	72	10	18	6	27	57	0.00	0.45
24	176	607	7.7	177	20.4	91	106	71	11	15	7	29	57	0.00	0.42
25	177	624	14.6	269	60.2	88	104	73	19	36	11	39	59	0.00	0.41
26	178	618	6.4	356	44.8	87	102	72	22	39	11	42	60	0.00	0.40
27	179	714	8.6	194	25.1	92	108	71	16	28	8	37	59	0.00	0.45
28	180	662	16.1	149	32.9	88	101	74	18	33	6	35	58	0.00	0.41
29	181	708	16.5	334	31.1	75	85	65	14	24	7	22	49	0.00	0.36
30	182	740	7.5	200	24.8	80	93	64	13	23	8	24	52	0.00	0.40

MONTHLY STATISTICS

	Total Solar Rad. ly.	Wind Ave. mph	Wind V. Dir. Deg	Air Temperature Deg. Fahrenheit			Humidity Percent			Dew Point Deg. Fahrenheit	Wet Bulb Precip. inches	Total Penman ET. inches		
	ly.	mph	Deg	mph	Deg.	Fahrenheit	Percent			Deg. Fahrenheit	inches	inches		
Total	20958										0.00	12.13		
Ave.	699	9.9	217	30.0	83.0	97.2	66.0	14	25	7	26	53	0.40	
Max.	758	19.4		60.2	94	108	74	32	55	13	42	60	0.00	0.45
Min.	494	5.0		18.7	64	77	51	7	11	2	11	42	0.00	0.34

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

° 1 KW-hr/m² = 86.011 ly. = 86.011 cal/cm² = 3600 KJ/cm² = 316.99 BTU/ft²

Western Regional Climate Center,
wrc@dro.edu

Back to:



Station Summary

Beatty 11SSE US Ecology Nevada

NOTE:
To print data frame (right side), click on right frame before printing.

- [Daily Summary](#)
- [Daily Summary \(with Wind Chill and Heat Index\)](#)
- [Daily Summary Time Series](#)
- [Monthly Summary](#)
- [Monthly Summary \(w/ Et data\)](#)
- [Monthly Summary Time Series](#)
- [Graph of last 7 days](#)
- [Time Series Graph](#)
- [Wind Rose Graph and Tables](#)
- [Wind Stability/Wind Rose Graph and Tables](#)
- [Frequency Distribution/Histogram](#)
- [Data Lister](#)
- [Data Inventory \(Monthly Graphic\)](#)
- [Station Metadata and Photos](#)
- [Current 7-day forecast \(NWS\) \(May not work correctly for some Central and Southern U.S. states.\)](#)

Monthly Summary for

July, 2020

Day of Month	Day of Year	Total Solar Rad. ly.	Wind Ave. mph	Wind V. Dir. Deg	Air Temperature Max. Deg. Fahrenheit	Air Temperature Mean Deg. Fahrenheit	Air Temperature Min Deg. Fahrenheit	Humidity Mean Percent	Humidity Max Percent	Humidity Min Percent	Dew Point Deg. Fahrenheit	Wet Bulb Deg. Fahrenheit	Total Precip. inches	Total Penman ET. inches	
1	183	737	10.2	195	34.2	83	98	64	12	18	7	25	53	0.00	0.42
2	184	743	13.5	146	31.9	86	99	74	12	21	5	26	54	0.00	0.42
3	185	752	11.8	139	26.6	87	101	75	9	18	3	18	53	0.00	0.43
4	186	757	6.4	262	19.3	86	103	63	8	13	3	17	52	0.00	0.44
5	187	752	5.3	207	21.7	90	105	69	8	14	4	20	54	0.00	0.45
6	188	744	8.4	190	27.2	91	107	70	9	15	4	22	55	0.00	0.45
7	189	753	9.2	148	25.6	90	104	72	8	15	3	17	54	0.00	0.44
8	190	754	8.6	151	21.2	86	102	65	8	14	4	16	52	0.00	0.44
9	191	750	7.9	170	22.0	88	103	66	10	19	5	23	54	0.00	0.44
10	192	734	7.0	240	23.1	89	106	68	10	15	4	23	55	0.00	0.45
11	193	705	7.0	223	25.3	95	110	76	13	18	9	35	60	0.00	0.45
12	194	711	7.7	217	26.0	98	111	78	12	23	7	36	61	0.00	0.46
13	195	716	10.5	145	28.1	97	110	80	12	19	8	34	60	0.00	0.46
14	196	716	10.0	130	25.2	91	103	76	11	19	5	27	57	0.00	0.43
15	197	720	5.9	185	22.4	91	106	71	10	18	6	26	56	0.00	0.44
16	198	722	8.6	171	25.7	90	105	71	10	18	5	24	55	0.00	0.44
17	199	716	7.9	193	24.4	91	106	71	10	15	7	27	56	0.00	0.44
18	200	727	6.4	259	19.9	92	108	71	9	17	4	24	56	0.00	0.45
19	201	714	6.4	249	22.2	93	109	71	9	15	6	25	56	0.00	0.45
20	202	621	7.5	205	20.3	95	110	76	12	18	7	33	59	0.00	0.43
21	203	629	7.8	194	23.0	94	107	77	13	22	8	35	60	0.00	0.42
22	204	720	15.2	149	33.3	91	103	83	9	18	3	20	55	0.00	0.43
23	205	719	11.8	153	27.9	88	99	77	10	17	4	22	54	0.00	0.42
24	206	699	6.4	225	25.8	85	100	66	13	22	7	28	54	0.00	0.41
25	207	695	7.1	177	23.9	87	101	67	13	19	7	29	55	0.00	0.42
26	208	651	7.1	224	25.5	88	103	69	13	20	8	30	56	0.00	0.41
27	209	688	6.9	212	27.7	90	104	73	13	26	6	30	57	0.00	0.42
28	210	701	4.8	229	21.0	91	106	71	11	18	6	27	56	0.00	0.43
29	211	707	5.7	218	19.6	91	109	70	9	17	3	20	55	0.00	0.45
30	212	705	8.3	189	30.5	92	108	69	7	14	4	17	55	0.00	0.44
31	213	693	6.8	178	25.3	94	110	71	12	22	7	32	59	0.00	0.45

MONTHLY STATISTICS

	Total Solar Rad. ly.	Wind Ave. mph	Wind V. Dir. Deg	Air Temperature Max. Deg. Fahrenheit	Air Temperature Mean Deg. Fahrenheit	Air Temperature Min Deg. Fahrenheit	Humidity Mean Percent	Humidity Max Percent	Humidity Min Percent	Dew Point Deg. Fahrenheit	Wet Bulb Deg. Fahrenheit	Total Precip. inches	Total Penman ET. inches
Total	22151											0.00	13.54
Ave.	715	8.2	182	25.0	90.3	105.0	71.6	10	18	5	26	56	0.44
Max.	757	15.2		34.2	98	111	83	13	26	9	36	61	0.00
Min.	621	4.8		19.3	83	98	63	7	13	3	16	52	0.00

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

Western Regional Climate Center,
wrcc@dri.edu

Back to:



NOTE:
To print data frame (right side), click on right frame before printing.



Beatty 11SSE US Ecology Nevada

Monthly Summary for

August, 2020

- [Daily Summary](#)
- [Daily Summary \(with Wind Chill and Heat Index\)](#)
- [Daily Summary Time Series](#)
- [Monthly Summary](#)
- [Monthly Summary \(w/ Et data\)](#)
- [Monthly Summary Time Series](#)
- [Graph of last 7 days](#)
- [Time Series Graph](#)
- [Wind Rose Graph and Tables](#)
- [Wind Stability/Wind Rose Graph and Tables](#)
- [Frequency Distribution/Histogram](#)
- [Data Lister](#)
- [Data Inventory \(Monthly Graphic\)](#)
- [Station Metadata and Photos](#)
- [Current 7-day forecast \(NWS\) \(May not work correctly for some Central and Southern U.S. states.\)](#)

Western Regional Climate Center,
wrc@dr.edu

Day of Month	Day of Year	Total Solar Rad. ly.	Wind Ave. mph	Wind V. Dir. Deg	Wind Max. mph	Air Temperature Mean Deg. Fahrenheit	Air Temperature Max Deg. Fahrenheit	Air Temperature Min Deg. Fahrenheit	Humidity Mean Percent	Humidity Max Percent	Humidity Min Percent	Dew Point Deg. Fahrenheit	Wet Bulb Deg. Fahrenheit	Total Precip. inches	Total Penman ET. inches
1	214	706	7.1	185	19.2	94	109	70	7	16	3	19	56	0.00	0.45
2	215	708	7.4	193	21.5	90	107	68	7	11	3	16	54	0.00	0.44
3	216	676	5.2	216	18.5	92	108	71	7	13	4	18	55	0.00	0.43
4	217	677	8.5	151	26.2	88	104	69	8	13	5	19	53	0.00	0.42
5	218	661	10.2	149	27.5	87	101	70	14	23	7	30	56	0.00	0.40
6	219	652	9.8	140	28.6	85	98	70	15	28	7	31	55	0.00	0.39
7	220	676	5.5	208	28.1	83	98	63	12	18	7	23	52	0.00	0.40
8	221	667	5.7	245	19.4	85	101	65	11	17	7	24	53	0.00	0.41
9	222	672	5.5	251	20.4	87	104	68	11	18	6	24	54	0.00	0.42
10	223	676	6.8	207	23.1	89	105	69	9	17	5	22	54	0.00	0.42
11	224	670	7.5	205	25.1	89	102	67	10	18	5	23	54	0.00	0.41
12	225	671	6.1	203	19.7	88	104	68	10	20	4	22	54	0.00	0.41
13	226	514	5.2	248	19.4	89	105	70	13	21	8	31	57	0.00	0.38
14	227	629	5.9	250	21.9	93	108	74	16	26	8	38	60	0.00	0.42
15	228	625	5.3	245	24.3	97	113	76	14	24	6	37	61	0.00	0.43
16	229	619	7.9	242	35.4	101	114	84	12	19	7	37	62	0.00	0.43
17	230	622	10.8	273	37.8	102	115	89	12	19	6	37	63	0.00	0.44
18	231	605	8.3	250	27.0	100	114	87	13	21	6	39	63	0.00	0.43
19	232	589	7.2	258	36.9	97	113	79	14	22	8	39	62	0.00	0.42
20	233			10.2		101	78		27	14					
21	234														
22	235														
23	236														
24	237														
25	238														
26	239														
27	240														
28	241														
29	242														
30	243														
31	244														

MONTHLY STATISTICS

	Total Solar Rad. ly.	Wind Ave. mph	Wind V. Dir. Deg	Wind Max. mph	Air Temperature Mean Deg. Fahrenheit	Air Temperature Max Deg. Fahrenheit	Air Temperature Min Deg. Fahrenheit	Humidity Mean Percent	Humidity Max Percent	Humidity Min Percent	Dew Point Deg. Fahrenheit	Wet Bulb Deg. Fahrenheit	Total Precip. inches	Total Penman ET. inches
Total	12314												0.00	7.93
Ave.	648	7.2	211	24.5	91.4	106.2	72.7	11	19	6	28	57		0.42
Max.	708	10.8		37.8	102	115	89	16	28	14	39	63	0.00	0.45
Min.	514	5.2		10.2	83	98	63	7	11	3	16	52	0.00	0.38

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





