



L.G. EVERIST, INC.

ROCK SOLID SINCE 1876

7321 E. 88TH AVENUE, SUITE 200

HENDERSON, COLORADO 80640

PHONE 303-287-9606 • FAX 303-289-1348

October 12, 2023

Division of Reclamation, Mining and Safety
1313 Sherman Street, Room 215
Denver, CO 80203

RE: DRMS Annual Report - Ragsdale Reservoirs, Permit M-2020-007
Permittee Name: L.G. Everist, Inc.
Anniversary Date: October 14

Dear Division:

The DRMS Annual Report for **Ragsdale Reservoirs, DRMS Permit M-2020-007**, has been submitted online. Included with this letter are the attachments for the online DRMS Annual Report. The annual fee has been paid online with a credit card (\$791 + processing fees).

The DRMS permit for Ragsdale Reservoirs was approved on October 14, 2020. The Weld County USR Mining Permit USR20-0030 was approved December 9, 2020 (USR resolution signed 01/06/21).

The Ragsdale Reservoirs Mining Plan Map shows the various areas of mining and reclamation noted in the Annual Report. The mining map shows active mining areas, reclaimed areas, future mining areas, processing plant, and settling ponds. Weeds are controlled with mowing and spraying throughout the growing seasons.

Mining and processing operations continued in 2022 and 2023. Phase 1A has been mined and will function as settling and fresh water ponds for the life of the mine. Phase 3 contains the processing plant site, conveyors, haul roads and scale-house. A slurry wall has been constructed around Phase 1, and it is the active mining area. Mining and concurrent reclamation will continue in Phase 1 in 2024. Also in the next year, we will be constructing the planned slurry wall around the perimeter of Phase 2. When the mining is nearing completion in Phase 1, we can start mining in Phase 2. We conduct concurrent reclamation as much as possible, which includes backfilling, sloping, bank armoring, and topsoiling as per our permit plans.

The Groundwater Monitoring Report, which includes groundwater data and a map of the groundwater monitoring wells is attached. Data from the wells is collected monthly.

If you have questions, feel free to contact me at 303-286-2247, or lmshults@lgeverist.com.

Sincerely,

Lynn Mayer Shults
Regulatory Manager

Attachments:

- Ragsdale Reservoirs - Exhibit C-1, Mining Plan Map
- Groundwater Monitoring Report & Map

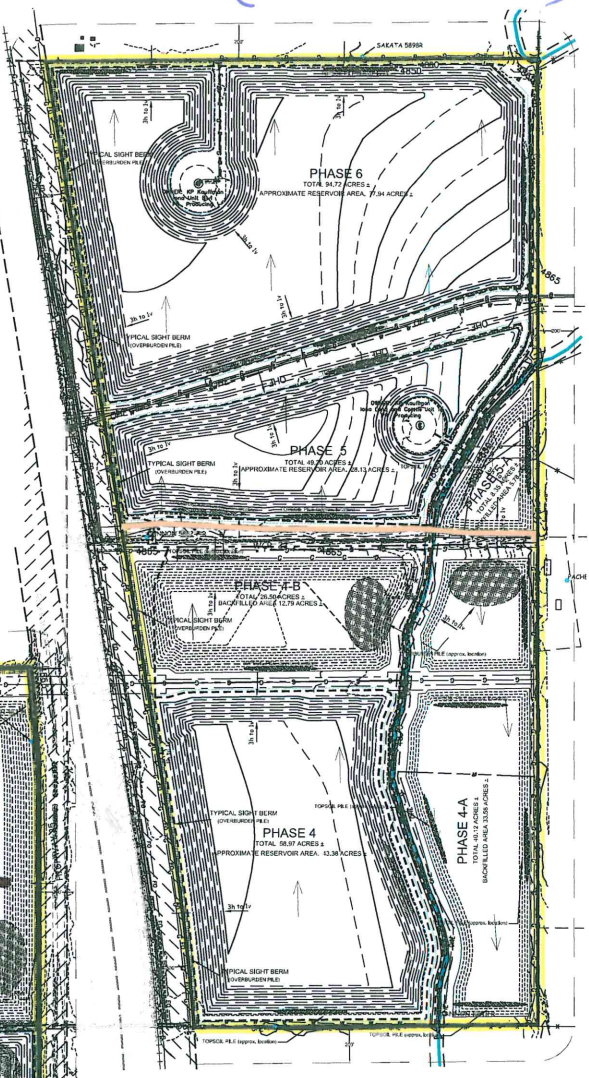
RAGSDALE RESERVOIRS (M-2020-007)

DRMS Annual Rpt. 2023

MAY 04, 2020 - 10:15:38

Item	Description	Distance (feet)	Notes
1	Section 1	10	Section 1
2	Section 2	10	Section 2
3	Section 3	10	Section 3
4	Section 4	10	Section 4
5	Section 5	10	Section 5
6	Section 6	10	Section 6
7	Section 7	10	Section 7
8	Section 8	10	Section 8
9	Section 9	10	Section 9
10	Section 10	10	Section 10
11	Section 11	10	Section 11
12	Section 12	10	Section 12
13	Section 13	10	Section 13
14	Section 14	10	Section 14
15	Section 15	10	Section 15
16	Section 16	10	Section 16
17	Section 17	10	Section 17
18	Section 18	10	Section 18
19	Section 19	10	Section 19
20	Section 20	10	Section 20
21	Section 21	10	Section 21
22	Section 22	10	Section 22
23	Section 23	10	Section 23
24	Section 24	10	Section 24
25	Section 25	10	Section 25
26	Section 26	10	Section 26
27	Section 27	10	Section 27
28	Section 28	10	Section 28
29	Section 29	10	Section 29
30	Section 30	10	Section 30
31	Section 31	10	Section 31
32	Section 32	10	Section 32
33	Section 33	10	Section 33
34	Section 34	10	Section 34
35	Section 35	10	Section 35
36	Section 36	10	Section 36
37	Section 37	10	Section 37
38	Section 38	10	Section 38
39	Section 39	10	Section 39
40	Section 40	10	Section 40
41	Section 41	10	Section 41
42	Section 42	10	Section 42
43	Section 43	10	Section 43
44	Section 44	10	Section 44
45	Section 45	10	Section 45
46	Section 46	10	Section 46
47	Section 47	10	Section 47
48	Section 48	10	Section 48
49	Section 49	10	Section 49
50	Section 50	10	Section 50
51	Section 51	10	Section 51
52	Section 52	10	Section 52
53	Section 53	10	Section 53
54	Section 54	10	Section 54
55	Section 55	10	Section 55
56	Section 56	10	Section 56
57	Section 57	10	Section 57
58	Section 58	10	Section 58
59	Section 59	10	Section 59
60	Section 60	10	Section 60
61	Section 61	10	Section 61
62	Section 62	10	Section 62
63	Section 63	10	Section 63
64	Section 64	10	Section 64
65	Section 65	10	Section 65
66	Section 66	10	Section 66
67	Section 67	10	Section 67
68	Section 68	10	Section 68
69	Section 69	10	Section 69
70	Section 70	10	Section 70
71	Section 71	10	Section 71
72	Section 72	10	Section 72
73	Section 73	10	Section 73
74	Section 74	10	Section 74
75	Section 75	10	Section 75
76	Section 76	10	Section 76
77	Section 77	10	Section 77
78	Section 78	10	Section 78
79	Section 79	10	Section 79
80	Section 80	10	Section 80
81	Section 81	10	Section 81
82	Section 82	10	Section 82
83	Section 83	10	Section 83
84	Section 84	10	Section 84
85	Section 85	10	Section 85
86	Section 86	10	Section 86
87	Section 87	10	Section 87
88	Section 88	10	Section 88
89	Section 89	10	Section 89
90	Section 90	10	Section 90
91	Section 91	10	Section 91
92	Section 92	10	Section 92
93	Section 93	10	Section 93
94	Section 94	10	Section 94
95	Section 95	10	Section 95
96	Section 96	10	Section 96
97	Section 97	10	Section 97
98	Section 98	10	Section 98
99	Section 99	10	Section 99
100	Section 100	10	Section 100

Surface owners (shown on map)	Rights of Way & Easements (shown on map)
<p>Canon Land Company</p> <p>Phase 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100</p>	<p>Unsub. Pacific Railroad</p> <p>Phase 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100</p>



- LEGEND**
- PERMIT BOUNDARY/AFFECTED LANDS
 - 200 FOOT LIMIT
 - PHASE LINE
 - COMMUNICATION LINES
 - OVERHEAD POWER LINES
 - FENCE
 - EXISTING RAIL LINE
 - WATER LINE
 - IRRIGATION LINES
 - FIBER OPTIC LINES
 - GAS LINES
 - ROADS (OFFSITE)
 - ROADS (HAUL, ACCESS) (TYP.)
 - TOPO CONTOUR
 - STREAM
 - DITCH
 - FLOOD PLAIN
 - SLURRY WALL
 - TYPICAL SIGHT BERMS/OVERBURDEN PILES
 - BUILDINGS
 - MONITORING WELL
 - WATER WELL (OWNER PERMIT #)
 - OIL/GAS WELL
 - HIGHWAY 85 RIGHT OF WAY
 - RAILROAD RIGHT OF WAY
 - TOPSOIL PILES (approx location)
 - OVERBURDEN PILES (approx location)

- Notes:**
- Oil/gas well, gas line and facility access corridors may change from what is shown on this map if required by amended oil & gas agreements.
 - Reservoir development and configuration may change if Option B is exercised and the necessary Technical Revisions are filed and approved.
 - Main access to mine is located on WCR 20 west of HWY 85 this may change to the eastern access located on WCR 22 at the SW corner of Phase 4A.
 - The 5 settling pond/overburden disposal Phases may be reclaimed by backfilling and revegetated as crop land. If there is not enough fill material, some of the Phases may be filled to at least 2 feet above the ground water table before reclaiming.
 - All structures within the mining area owned by Canon Land Company will be removed as allowed in the lease agreement L.G. Everist Inc. has with Canon Land Company.
 - Sight Berms built along the Highway 85 corridor will be built using overburden and recycled and vegetated. These berms will remain when reclamation is complete.

<p>PREPARED BY: ENVIRONMENT, INC.</p> <p>DATE: 4/23/2020</p> <p>PROJECT: RAGSDALE RESERVOIRS</p>	<p>LEGAL DESCRIPTION:</p> <p>Part of the NW1/4, Section 7, and all of the SW1/4 of Section 8, Parts of the NE1/4, NW1/4, SW1/4, SE1/4, NE1/4, NW1/4, and SE1/4 of Section 18, and Part of the NW1/4, Section 19, Township 2 North, Range 65 West, 6th P.M., Weld County, Colorado.</p>	<p>REVISIONS:</p> <p>ORIGINAL PERMIT</p> <p>DATE: 4/23/2020</p>	<p>DATE: 4/23/2020</p> <p>APPLICATION FOR A 112 PERMIT</p> <p>RAGSDALE RESERVOIRS</p>	<p>L.G. Everist, Inc.</p> <p>7321 East 88th Avenue Henderson, Colorado 80640</p> <p>phone: (303) 287-4656 fax: (303) 280-1348</p>
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Slurry wall complete around PHASE 1



Groundwater Monitoring Report & Map

Site: Ragsdale Reservoirs, DRMS Permit M-2020-007

L.G. Everist, Inc. respectfully submits this **Groundwater Monitoring Report & Map** as part of the **DRMS Annual Report for Ragsdale Reservoirs, Permit M-2020-007**.

The DRMS permit for Ragsdale Reservoirs was approved on October 14, 2020. The Weld County USR Mining Permit USR20-0030 was approved December 9, 2020 (USR resolution signed 01/06/21).

This groundwater monitoring report includes monitoring well data from the past year and a map with locations of the groundwater monitoring wells (MW) installed around the permit area. The groundwater monitoring wells were installed in October-2019. Data from the wells is collected monthly. The 2-year baseline time period for the original monitoring wells runs from November-2019 through October-2021. The trigger point allowance range for the monitoring wells is the range between the high baseline levels +3 feet to the low baseline levels -3 feet.

The groundwater levels in all the monitoring wells have come back into their within their baseline ranges and trigger point allowance ranges in 2023. We have had no compliance issues or groundwater level issues this year. Data and notes for all wells follow below and on attached tables.

West side monitoring Wells: MW-01, MW-01A, MW-02, MW-03, MW-04, MW-05, MW-06, MW-07

MW-01 - remained within its baseline range. This well was mined through, and replaced by MW-01A in November-2021. MW-01A is approximately 350 feet northeast of where MW-01 was located.

MW-01A (NE corner of Phase 1A), MW-02 (NE corner of Phase 2) – This year we have had no issues with groundwater levels in either of these wells, and have not affected any neighbors. They are in compliance. MW-01A is at the NEW corner of Phase 1A - which is a settling and fresh-water pond area for the site, and will remain so for the life of the mine. In 2023, we have kept the groundwater levels within the pond at close to original levels. Note: In the Annual Report for 2022, we noted groundwater level issues in these wells. We helped out a neighbor north of Phase 1A – and replaced their shallow house well, even though it was outside of the 600-foot DWR mitigation requirement. Prior to the well replacement, we supplied the neighbor with water as needed. For full details on this – refer to last year's annual report.

MW-03, MW-04, MW-05, MW-06, MW-07 - have remained within their baseline ranges. No issues to discuss.

East side monitoring Wells: MW-08, MW-09, MW-10, MW-11, MW-12, MW-13, MW-14

MW-08, MW-09, MW-10, MW-11, MW-14 - There were some fluctuations outside of baseline ranges in some of these wells in 2022, but they have all come back into baseline ranges in 2023, and are all in full compliance. There have been no issues with any neighbors.

Note: L.G. Everist does not have any mine activity in the East side of the permit area, which is located on the east side of US Highway 85. Therefore, the fluctuating water levels in these wells are not caused by LGE operations. The fluctuations may be caused by various things, including, but not limited to the climate, irrigation ditches, county road work, and agricultural activity, including irrigated areas and dry-up areas.

MW-12, MW-13 - have remained within their baseline ranges. No issues to discuss.

We continue to check all our monitoring wells monthly and check in with neighbors a regular basis.

L.G. Everist, Inc. - Ragsdale Reservoirs (M-2020-007) - Groundwater Monitoring Well Data

	west	west	west	west	west	west	west	west	east	east	east	east	east	east	east
MONITOR WELL NO.	MW-01	MW-01A	MW-02	MW-03	MW-04	MW-05	MW-06	MW-07	MW-08	MW-09	MW-10	MW-11	MW-12	MW-13	MW-14
NORTHING, FT	1,295,898.65	1,296,201.95	1,295,942.41	1,295,534.63	1,293,275.39	1,291,109.84	1,291,668.25	1,292,861.73	1,296,713.39	1,294,323.43	1,294,309.42	1,296,788.30	1,299,372.37	1,299,433.15	1,298,160.70
EASTING, FT	3,193,257.54	3,193,425.03	3,192,033.57	3,189,747.26	3,189,910.84	3,192,292.95	3,193,454.29	3,193,446.12	3,194,014.82	3,194,377.76	3,195,616.77	3,195,447.13	3,196,042.42	3,193,591.30	3,193,833.97
ELEVATION (TOG), FT	4,863.20	4,862.79	4,850.19	4,849.64	4,853.85	4,859.84	4,873.22	4,869.74	4,862.89	4,868.27	4,869.58	4,865.88	4,862.42	4,856.35	4,859.34
CASING HEIGHT, FT	2.90	2.89	2.39	2.94	3.12	2.99	3.10	3.03	2.79	2.92	2.92	2.86	3.03	3.33	2.90
ELEVATION (TOC), FT	4,866.10	4,865.68	4,852.58	4,852.58	4,856.98	4,862.83	4,876.32	4,872.77	4,865.68	4,871.19	4,872.50	4,868.75	4,865.45	4,859.68	4,862.24

for MW-01A, use MW-01 high & low
until MW-01A has 2-yr baseline

from Feb-2021 - use updated Elevation (TOC) for MW12
(case replaced 02/22/21 and TOC changed)

4,865.69

HIGH (baseline max + 3 ft)	4,854.31	4,854.31	4,849.80	4,846.69	4,849.66	4,859.78	4,862.16	4,861.58	4,855.27	4,860.07	4,862.17	4,857.34	4,857.98	4,852.69	4,853.69
LOW (baseline min - 3 ft)	4,844.45	4,844.45	4,841.82	4,838.78	4,841.76	4,851.02	4,852.17	4,848.96	4,844.63	4,848.09	4,848.95	4,844.95	4,848.60	4,841.36	4,842.95

01/21/22	Destroyed	4,845.65	4,845.57	4,841.69	4,845.02	4,855.41	4,856.08	4,853.25	4,846.68	4,850.32	4,851.69	4,847.58	4,851.74	4,845.27	4,846.36
02/09/22	replaced with	4,844.37	4,844.58	4,842.60	4,845.76	4,854.52	4,855.37	4,852.56	4,846.00	4,849.83	4,851.40	4,847.11	4,851.59	4,844.90	4,847.29
03/04/22	MW-01A	4,842.90	4,843.50	4,842.69	4,845.88	4,854.14	4,854.63	4,851.65	4,844.86	4,848.94	4,850.70	4,846.23	4,851.47	4,843.83	4,844.69
04/19/22	-	4,838.27	4,841.50	4,841.90	4,845.12	4,854.52	4,854.60	4,850.33	4,842.78	4,847.17	4,849.73	4,845.44	4,853.78	4,843.23	4,843.83
05/11/22	-	4,837.34	4,841.24	4,841.87	4,845.09	4,854.91	4,854.83	4,850.99	4,842.47	4,846.88	4,850.37	4,846.57	4,856.58	4,844.13	4,844.11
06/22/22	-	4,833.98	4,839.31	4,842.15	4,845.48	4,855.37	4,855.84	4,851.71	4,840.61	4,845.30	4,849.38	4,844.20	4,855.22	4,843.74	4,843.31
07/26/22	-	4,833.33	4,838.25	4,841.98	4,845.37	4,855.50	4,855.86	4,852.12	4,840.35	4,844.48	4,848.66	4,843.93	4,853.25	4,845.03	4,843.71
08/22/22	-	4,833.92	4,839.30	4,842.62	4,845.66	4,855.69	4,855.89	4,852.38	4,839.92	4,844.86	4,848.44	4,842.84	4,852.88	4,845.24	4,843.45
09/23/22	-	4,835.25	4,839.27	4,841.94	4,845.35	4,855.24	4,855.87	4,852.21	4,840.54	4,845.80	4,848.87	4,842.93	4,852.63	4,845.18	4,843.64
10/31/22	-	4,832.31	4,837.62	4,842.02	4,845.49	4,854.54	4,854.83	4,850.16	4,839.54	4,844.07	4,848.01	4,842.57	4,852.04	4,843.57	4,842.48
11/09/22	-	4,836.93	4,839.33	4,842.08	4,845.48	4,854.53	4,854.37	4,849.92	4,840.48	4,844.94	4,848.25	4,843.10	4,852.00	4,843.28	4,842.44
12/21/22	-	4,841.58	4,841.08	4,842.13	4,845.48	4,854.53	4,853.87	4,849.67	4,841.43	4,845.79	4,848.55	4,843.55	4,851.95	4,843.03	4,842.44
01/11/23	Destroyed &	4,842.23	4,842.38	4,842.38	4,845.58	4,854.63	4,854.17	4,850.32	4,842.33	4,846.69	4,848.80	4,844.10	4,851.90	4,842.73	4,842.39
02/17/23	replaced with	4,842.88	4,843.68	4,842.63	4,845.68	4,854.68	4,854.47	4,850.97	4,843.28	4,847.54	4,849.10	4,844.60	4,851.85	4,842.43	4,842.37
03/24/23	MW-01A	4,843.48	4,844.98	4,842.88	4,845.78	4,854.73	4,854.72	4,851.62	4,844.23	4,848.39	4,849.35	4,845.10	4,851.80	4,842.18	4,842.34
04/28/23	-	4,842.80	4,843.90	4,842.63	4,845.78	4,854.98	4,854.89	4,851.79	4,844.15	4,848.38	4,849.90	4,846.77	4,852.07	4,842.23	4,843.04
05/05/23	-	4,842.13	4,842.83	4,842.38	4,845.78	4,855.23	4,855.07	4,851.97	4,844.08	4,848.37	4,850.45	4,848.45	4,852.35	4,842.28	4,843.74
06/19/23	-	4,846.78	4,845.88	4,846.18	4,849.38	4,855.78	4,855.72	4,852.87	4,846.33	4,850.24	4,851.30	4,846.95	4,853.45	4,843.98	4,845.09
07/17/23	-	4,849.73	4,845.98	4,843.33	4,846.28	4,856.43	4,856.52	4,853.67	4,849.78	4,851.89	4,852.70	4,853.20	4,852.80	4,845.48	4,847.34
08/22/23	-	4,848.68	4,846.23	4,842.68	4,845.93	4,856.08	4,857.27	4,854.67	4,850.58	4,853.34	4,855.05	4,853.10	4,854.25	4,849.28	4,849.54
09/19/23	-	4,850.38	4,846.38	4,842.78	4,846.13	4,856.33	4,857.72	4,854.87	4,851.08	4,853.74	4,855.50	4,853.55	4,854.15	4,848.88	4,849.94
oct															
nov															
dec															



 **MEASURED WELLS**

RAGSDALE
MONITORING WELL LOCATIONS



L. G. EVERIST, INC.
We Deliver Solutions!
FORT LUPTON, CO

DRAWN BY	AMK
SCALE	NTS
DATE	11/02/2022

DRAWING NO.

L01

REV.

