



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 14, 2024

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 2023 and 2024. Phase 1A has been mined and will continue to function as settling and fresh water ponds for the mine. Phase 3 contains the processing plant site, conveyors, haul roads and scale-house. Slurry walls have been constructed around Phase 1 and Phase 2. Mining and concurrent reclamation will continue in Phase 1 and Phase 2 in 2024 and 2025.

In Phase 1, we just have a few acres to finish mining (in 2025), then we can finish the sloping with the final grading, and bank armoring in areas closer to the river as per our permit. In Phase 2, after the slurry wall was installed, we stripped an area to start mining in 2024-2025. The Phase 2 mining area will expand in 2025, and as mining progresses, there will be concurrent reclamation - sloping, grading, and bank armoring some slopes as per our permit. In some areas along the reservoir perimeters, there is also topsoiling and seeding - as per our permit.

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.

An amendment to this permit will be completed in the next few months, which will address a compliance issue by expanding the western permit boundary in areas, and will also make updates to the mining plan and reclamation plan. The financial warranty (bond) will be updated as well, if needed.

If you have questions, feel free to contact me at 303-514-2778, or lmshults@lgeverist.com.

Sincerely,

Lynn Mayer Shults
Regulatory Manager

Attachments:

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



Groundwater Monitoring Report & Map

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

L.G. Everist, Inc. respectfully submits this **Groundwater Monitoring Report & Monitoring Well Map** as part of the **DRMS Annual Report for Ragsdale Reservoirs, DRMS 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 reporting year and a map with locations of the groundwater monitoring wells (MW) installed around the permit area. Most of the current groundwater monitoring wells were installed in October-2019, unless otherwise noted below. 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. Wells installed at a later date have a 2-year baseline period starting from their installation date and first month of monitoring. The trigger point and 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 were mostly in their baseline ranges and trigger point allowance ranges in 2023-2024. A few wells were out of range at the beginning of 2023, but have come back into baseline ranges. We have had no groundwater 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-01-A, MW-02, MW-03, MW-04, MW-05, MW-06, MW-07

MW-01 (gone) - This is the last report year we will include this well in the annual groundwater report, because this well no longer exists. It was mined through in November-2021, and replaced by MW-01-A in November-2021. This well was located in the northeast section of Phase 1A.

MW-01-A (NE corner of Phase 1A) - MW-01-A is located northeast of where MW-01 was located, in the northeast corner of Phase 1A. MW-01-A's baseline period completed in November-2023, and the water levels have remained within the new baseline range. In 2024, the well stayed within baseline ranges, there have been no issues with this well, and no neighbors have been adversely affected. The well is in compliance.

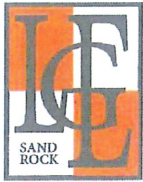
MW-02 (NE corner of Phase 2) - MW-02 is located in the northeast corner of Phase 2. In 2023 and 2024, the well stayed within baseline ranges, there have been no issues with this well, and no neighbors have been adversely affected. The well is in compliance.

MW-03 (gone) - This is the last report year we will include this well in the annual groundwater report, because this well no longer exists. It was mined through in October-2023, and replaced by MW-03-A in December-2023. This well was located in the northwest section of Phase 2.

MW-03-A (NW corner of Phase 2) - MW-03-A is located northwest of where MW-03 was located, in the northwest corner of Phase 2. MW-03-A's baseline period started December-2023. We will submit data from this well in next year's annual report. The well is located between the Phase 2 slurry wall and the South Platte River, with no residential neighbors nearby. There have been no issues with this newer well, and no neighbors have been adversely affected. The well is in compliance.

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

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

Note: In 2023 and 2024, L.G. Everist has not had any mining activity in the East side of the permit area, which is located on the east side of US Highway 85. The properties are being agriculturally managed until we begin mining operations in that area of the permit. (This helps maintain the properties, including weed management.) Any fluctuating water levels in these areas and wells are not caused by LGE operations. The fluctuations may be caused by various things, including, but not limited to, the climate, county road work, irrigation ditches and agricultural activity, including irrigated areas and dry-up areas.

MW-08, MW-09, MW-10, MW-11, MW-12, MW-13, MW-14 - There were some fluctuations outside of baseline ranges in some of these wells in early 2023, but they have all been primarily within baseline ranges for the rest of the reporting period, and there have been no issues with the wells. No neighbors have been adversely affected. The wells are in compliance.

We continue to check all our monitoring wells monthly and check in with neighbors and ditch companies as well. If any groundwater issues are discovered, we will investigate the cause(s), and address any issues immediately if they are found to be a result of the mining operations.

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

	west	west	west	west	west	west	west	west	west	east	east	east	east	east	east	east
MONITOR WELL NO.	MW-01	MW-01-A	MW-02	MW-03	MW-03-A	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	1295223.18	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	3188823.63	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	4864.042 EPSG 2231	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
	Destroyed Nov-2021	Installed Nov-2021		Destroyed Oct-2023	Installed Dec-2023	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	4,853.38	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	4,829.31	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

01/11/23	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-01-A	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
10/25/23	---	4,850.03	4,846.13	MW-03	---	missed	4,855.83	4,857.17	4,854.57	4,850.38	4,853.59	4,855.40	4,852.35	4,853.45	4,847.63	4,848.94
12/07/23	---	4,848.68	4,845.98	destroyed in	---	4,846.43	4,855.03	4,856.37	4,854.22	4,848.88	4,852.49	4,854.10	4,850.05	4,852.55	4,845.98	4,847.34
12/27/23	---	4,846.53	4,844.84	Oct-2023	MW-03-A	4,846.25	4,854.84	4,855.96	4,853.49	4,847.41	4,851.43	4,853.17	4,848.85	4,852.02	4,845.20	4,846.48
01/27/24	destroyed &	4,847.38	4,845.88	---	installed in	4,845.78	4,855.33	4,856.12	4,853.57	4,847.28	4,851.19	4,852.50	4,847.95	4,851.65	4,844.78	4,846.04
02/26/24	replaced with	4,847.38	4,845.38	---	Dec-2023 to	4,846.27	4,854.73	4,855.52	4,853.24	4,847.29	4,851.24	4,852.50	4,848.08	4,851.70	4,844.23	4,845.79
03/27/24	MW-01-A	4,847.18	4,845.38	---	replace MW-03	4,847.58	4,854.88	4,855.20	4,852.76	4,846.74	4,850.63	4,851.70	4,847.26	4,851.53	4,843.73	4,845.24
04/25/24	---	4,848.23	4,846.38	---	Baseline period	4,845.78	4,855.33	4,855.82	4,853.42	4,848.13	4,851.64	4,853.40	4,850.15	4,852.10	4,844.23	4,846.34
05/28/24	---	4,849.38	4,846.58	---	start Dec-2023	4,846.38	4,856.33	4,856.45	4,854.32	4,849.68	4,852.54	4,854.40	4,852.00	4,852.80	4,846.03	4,847.99
06/25/24	---	4,849.80	4,846.53	---	---	4,846.56	4,856.38	4,857.70	4,855.12	4,851.08	4,854.29	4,856.07	4,853.90	4,855.10	4,847.53	4,849.29
07/25/24	---	4,852.53	4,846.67	---	---	4,845.97	4,856.38	4,858.11	4,855.47	4,853.23	4,855.47	4,857.58	4,857.40	4,856.70	4,850.05	4,850.94
08/27/24	---	4,852.88	4,846.68	---	---	4,845.58	4,856.33	4,858.12	4,855.67	4,853.78	4,856.19	wasps	4,857.65	4,855.35	4,850.68	4,851.74
09/24/24	---	4,852.78	4,846.58	---	---	4,845.08	4,856.23	4,858.12	4,855.57	4,853.48	4,855.89	4,858.10	4,856.65	4,854.95	4,849.88	4,851.44

	west	west	west	west	west	west	west	west	west	east	east	east	east	east	east	east
Monitor Well No.	MW-01	MW-01-A	MW-02	MW-03	MW-03-A	MW-04	MW-05	MW-06	MW-07	MW-08	MW-09	MW-10	MW-11	MW-12	MW-13	MW-14
	Destroyed Nov-2021	Installed Nov-2021	Installed 2019	Destroyed Oct-2023	Installed Dec-2023	Installed 2019	Installed 2019	Installed 2019	Installed 2019	Installed 2019	Installed 2019	Installed 2019	Installed 2019	Installed 2019	Installed 2019	Installed 2019



 **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

