



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

May 31, 2024

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

RE: 112c Reclamation Permit - Attachments for Annual Fee and Annual Report

To Whom It May Concern:

PERMITTEE:	L. G. Everist, Inc.
PERMIT NO.:	M-1999-120
OPERATION NAME:	Fort Lupton Sand and Gravel Mine
ANNIVERSARY DATE:	June 1 (annually)
ANNUAL FEE:	\$791.00

The DRMS Annual Report for Fort Lupton Sand and gravel (M-1999-120) has been submitted online. The annual fee has been paid online with a credit card.

Enclosed with this letter are the attachments for the DRMS Annual Report. They include:

Exhibit F - Reclamation Plan Map – map shows the current permit area and reclamation plan.

- Notes explain active mining areas, and various stages of reclamation (sloping, seeding).
- Phases with active mining areas in 2023-2024 are Blue Ribbon, Swingle South, Fort Lupton West.
- In August 2023, a Technical Revision (TR) was approved to revise the reclamation configuration of the Blue Ribbon phase, due to relocation of a section of the Lupton Bottoms Ditch within the Blue Ribbon Phase. The ditch had traversed the middle of the Blue Ribbon phase, and was relocated to the eastern perimeter of the phase. The reclamation map was updated for this change.

Groundwater Monitoring Report

- Includes data review, recent data, and active wells map.

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

Sincerely,

Lynn Mayer Shults
L.G. Everist, Inc. - Regulatory Manager

cc: Chris Wilkins – L.G. Everist, Inc. - Fort Lupton Site Manager

attached:

- *Reclamation Plan Map*
- *Groundwater Monitoring Report - data review, data, wells map*

DRMS ANNUAL REPORT - GROUNDWATER MONITORING REPORT

SITE: L.G. Everist, Inc. - Fort Lupton Sand and Gravel, M-1999-120

DATE: Anniversary date - June 1, 2024

Fort Lupton Sand and Gravel's Groundwater Monitoring Report includes monitoring well data from January-2023 through April-2024 and a map with locations of the active groundwater monitoring wells in and around the active mining operation. Prior data has been submitted in prior annual reports. The map shows the active monitoring well locations (MW = monitoring well).

The majority of the monitoring wells have maintained groundwater levels within their baseline ranges established in L.G. Everist's (LGE) final adequacy response for the DRMS permit amendment in October-2012. This includes wells in areas where we are not yet mining, and also wells outside the perimeters of slurry walls - showing that the water is flowing around the slurry walls in natural patterns.

A few monitoring wells at Fort Lupton have fluctuated above and below their baseline ranges. L.G. Everist has investigated the data and compared monitoring well results with their locations and nearby activities. Most wells that have been outside of baseline ranges are internal to LGE operations, and any fluctuating water levels would only affect the operator, so no mitigation is necessary. Some external wells that are outside of baseline ranges have been affected by the mining operations in a neighboring mine (see details below), or other causes (see below). For these wells, LGE's lined operations are not the cause of the groundwater decrease or increase, so no mitigation is required by LGE.

ATTACHED

- DATA - Groundwater Monitoring Wells Data from January-2023 through April-2024

- MAP - Groundwater Monitoring Wells Map - Active Wells

Review of ACTIVE WELLS

Following is a detailed list of all active monitoring wells in and around the active mining operation - with notes on the location and accessibility of the wells, the groundwater level data for the reporting period, and explanations of the raw data and any contributing external (or internal) factors.

Any other well changes, investigation, and mitigation is also noted in this report. In general, there have been no adverse effects on neighbors with any changes indicated in these wells throughout this reporting period, and previous reporting periods. We continue to monitor all our active wells monthly.

MW-06 - internal to site - located between Swingle-South phase and Sandstead phase, and sometimes not accessible when Little Dry Creek is high. This well has fluctuated slightly in and out of baseline range in past years, but has been in baseline range since March-2023. Because the well is internal, changes in groundwater levels around this well could only affect LGE, therefore no mitigation is necessary.

MW-08 - external - edge of site - located on the south side of CR 18, outside of the Swingle-North slurry wall, and directly across from a neighboring mining operation. MW-08 has been out of baseline range in past years, due to the dewatering of the neighboring unlined mining operation. In June-2022, the other mine began reclaiming their site, and this well came back, and has remained, within baseline range since. There are no residential neighbors nearby, and no adverse effects to mitigate.

MW-09 - external - north of the Blue Ribbon phase, along County Road 25. The well is located east of CR 25 directly across from the neighboring mining operation mentioned in MW-08. This well was within baseline ranges until the neighboring mining operation started dewatering their unlined mining areas, which have affected the groundwater levels in our monitoring well. In July-2023, after substantial reclamation progress at the neighboring mine, this well came back, and has remained, within baseline range. There are no residential neighbors nearby, and no adverse effects to mitigate.

MW-11 - external - out of permit - located on the south side of CR 18, outside of the reclaimed and released Hill-Oakley phase's slurry wall, and across from the Blue Ribbon phase. Groundwater levels have remained within the baseline range for the past year, and are currently within baseline levels.

DRMS ANNUAL REPORT - GROUNDWATER MONITORING REPORT

SITE: L.G. Everist, Inc. - Fort Lupton Sand and Gravel, M-1999-120

DATE: Anniversary date - June 1, 2024

MW-14 - internal to site - located in the southeast corner of the Parker-Panowitz phase, within an approved slurry wall. Groundwater levels fluctuate within and just below baseline ranges, which indicates that the approved slurry wall is working. Because the well is internal, changes in groundwater levels around this well could only affect LGE, therefore no mitigation is necessary. Note: The Parker-Panowitz phase is completely mined and the reclamation sloping is complete.

MW-20 - edge of site - this well is located at the southwest corner of the Sandstead phase. This well has mostly stayed within baseline ranges for the past year. In August and September 2023, the well levels were slightly above baseline ranges, then dipped back into baseline range, and have remained in baseline range since. No adverse effects on any neighbors.

MW-24 - internal to site - this well is located along the east side of the Sandstead phase, with the Swingle-North phase to the east. This well has stayed within baseline ranges.

MW-25 - edge of site - this well is located at the northeast corner of the Sandstead phase, on the edge of the freshwater pond, and across CR 18 from the mining operation first mentioned in MW-08. This well has fluctuated within and above baseline ranges for the past year. No adverse effects on neighbors.

MW-26, MW-27, MW-28, MW-29, MW-30, MW-31 - all six of these wells are located in the south third of the site where mining has not yet begun. Once mining starts in this area, MW-30 will be internal to the site, the other five wells are located along site boundaries. The wells stayed mostly within baseline ranges for the past year, even fluctuating above for a month or two. MW-27 was slightly low from Oct-2023 to Feb-2024, when it came back up into baseline range. Because there are no LGE mining operations occurring anywhere near these wells, the temporary changes were not caused by LGE. The causes of any monthly groundwater level changes could be a combination of natural (precipitation changes throughout Colorado), agricultural (irrigation), or possibly public (road work). There were no adverse effects on any neighbors.

MW-32 - was internal to site, now edge of site - because it is located at the southeast corner of the lined and released Meadows Lake phase, which is also the northeast corner of south end of the site where mining has not begun. The well was within baseline ranges for all but May-June-2023, when it went slightly above baseline range. No adverse effects on any neighbors.

MW-34 - edge of site - located at the southwest corner of the Vincent West phase, which was released from the DRMS permit in August-2022. This well has always stayed within baseline ranges. No adverse effects on any neighbors.

MW-37 - was edge of site, now out of permit - located along the western side of the Vincent West phase, which was released from the DRMS permit in August-2022. This well has always stayed within baseline ranges. No adverse effects on any neighbors.

MW-45 and MW-45-A - internal to site - on the north side of Parker-Panowitz phase, which is located on the south side of CR 18, across from the Blue Ribbon phase on the north side of the road. MW-45 was within baseline ranges from Jan-Apr-2023, then slightly above May-July-2023, then back to baseline range in Aug-2023, but was run over in Oct-2023. MW-45 was replaced by MW-45-A in Dec-2023, and has been within or slightly above baseline range since. Because the well is internal - located between two mining phases, changes in groundwater levels around this well could only affect LGE.

MW-52 - internal to site - located within the Swingle-South slurry wall, in the north-east corner. Groundwater levels dipped below the baseline range starting in March-2020, which indicates that the approved slurry wall is working. Because the well is internal, changes in groundwater levels around this well could only affect LGE, therefore no mitigation is necessary.

MW-54 - internal to site - this well is located in the middle of the Sandstead phase, between the freshwater pond (to the north) and settling ponds (to the south). This well was within baseline ranges until July-2022, when groundwater levels increased, so the well is now slightly above baseline range. There have been no adverse effects on any neighbors.

DRMS ANNUAL REPORT - GROUNDWATER MONITORING REPORT

SITE: L.G. Everist, Inc. - Fort Lupton Sand and Gravel, M-1999-120

DATE: Anniversary date - June 1, 2024

MW-55 - edge of site - this well is located on the west side of the Sandstead phase, on the west side of the freshwater pond. This well was within baseline ranges until September-2022, when groundwater levels increased, and the well has been slightly above baseline range until March-2024, when it came back to baseline range. There have been no adverse effects on any neighbors.

Recently INACTIVE WELLS – inactive and/or no longer exist

Monitoring wells that have been mined out as mining progresses no longer exist. These wells are not on the map as active wells and there is no new data for these wells. They remain in this report through the year of their existence, then are removed. Any wells that were listed on last year's report, but no longer exist are listed here for 1 year.

MW-04 - internal to site - located in Fort Lupton West phase, south of the processing plant. The well was buried in Oct-2022. Because the well was internal, changes in groundwater levels around this well could only affect LGE, therefore no mitigation or well replacement is necessary.

MW-21 - internal to site - located along the south side of the Sandstead phase. The well was buried in May-2023. Because the well was internal, changes in groundwater levels around this well could only affect LGE, therefore no mitigation or well replacement is necessary.

MW-33 - internal to site, now edge of a released permit area - located at the southeast corner of the Vincent West phase, which was released from the DRMS permit in August-2022. The well was inaccessible for a few months due to a wasp nest, then buried in November-2022. Because the well was internal, changes in groundwater levels could only affect LGE.

FORT LUPTON S&G MONITOR WELL NO.	MW-06 (internal)	MW-08 (edge of site)	MW-09 (offsite-far)	MW-11 (offsite-close)	MW-14 (internal)	MW-20 (edge of site)	MW-24 (internal)	MW-25 (edge of site)
NORTHING, FT	1283728.10	1285900.46	1287365.87	1285909.77	1284654.27	1283584.51	1285220.96	1286191.14
EASTING, FT	3185934.31	3186592.51	3187426.10	3189221.98	3188830.71	3185761.31	3186629.91	3186587.77
ELEVATION (TOG), FT	4,873.53	4,869.20	4,866.27	4,872.46	4,874.69	4878.63	4870.81	4868.97
CASING HEIGHT, FT	3.02	3.18	3.20	2.83	2.88	3.24	3.08	3.68
ELEVATION (TOC), FT	4,876.55	4,872.38	4,869.47	4,875.29	4,877.57	4881.87	4873.89	4872.65

				4,877.94				
HIGH (max of first 2 yrs + 1)	4,874.39	4,866.30	4,863.12	4,865.57	4,867.40	4,876.48	4,870.89	4,866.45
LOW (min of first 2 yrs - 1)	4,867.68	4,857.83	4,855.35	4,861.49	4,861.77	4,859.47	4,856.19	4,853.95

01/16/23	4,866.30	4,861.08	4,832.22	4,862.49	4,858.27	4,874.37	4,867.39	not accessible
02/21/23	4,866.27	4,860.53	4,830.62	4,862.62	4,858.37	4,873.07	4,866.69	4,866.52
03/30/23	4,869.85	4,860.38	4,829.82	4,862.79	4,858.32	4,872.87	4,867.59	4,865.75
04/28/23	4,869.87	4,862.73	4,835.29	4,864.16	4,859.99	4,873.37	4,867.36	not accessible
05/17/23	4,869.90	4,865.08	4,840.77	4,865.54	4,861.67	4,873.87	4,867.14	-
06/08/23	4,871.15	4,865.78	4,848.47	4,866.29	4,863.97	4,874.17	4,869.09	4,868.25
07/20/23	4,869.60	4,865.31	4,853.67	4,863.84	4,863.87	4,875.37	4,869.24	4,870.45
08/28/23	4,871.00	4,864.83	4,858.87	4,863.64	4,862.07	4,876.67	4,869.39	not accessible
09/30/23	4,871.15	4,864.78	4,858.67	4,863.19	4,861.67	4,876.57	4,869.64	-
10/31/23	4,869.45	4,864.53	4,858.57	4,863.84	4,862.27	4,875.57	4,868.79	4,872.65
11/30/23	4,869.20	4,864.48	4,858.52	4,863.64	4,862.37	4,875.42	4,868.59	4,872.65
12/28/23	4,868.50	4,863.93	4,858.22	4,862.99	4,860.07	4,873.82	4,867.91	4,872.65
01/30/24	4,869.30	4,863.72	4,858.01	4,862.69	4,859.57	4,872.97	4,867.66	4,867.00
02/27/24	4,869.73	4,863.95	4,858.24	4,863.34	4,860.40	4,872.64	4,868.13	4,867.00
03/28/24	4,868.35	4,864.74	4,858.72	4,864.69	4,861.42	4,872.20	4,867.54	4,867.03
04/26/24	4,868.35	4,864.68	4,859.02	4,863.64	4,862.77	4,872.67	4,867.54	4,867.25

Groundwater Monitoring Wells from Jan-2023 to April-2024 (submitted with DRMS Annual Rpt Jun-2024)	internal	edge of site (next to NCCI)	offsite-far (next to NCCI)	offsite-close (out of permit, but close)	internal	edge of site	internal	edge of site
--	----------	-----------------------------	----------------------------	---	----------	--------------	----------	--------------

KEY

RED - low

GREEN - high

FORT LUPTON S&G MONITOR WELL NO.	MW-26 (south end)	MW-27 (south end)	MW-28 (south end)	MW-29 (south end)	MW-30 (south end)	MW-31 (south end)	MW-32 (inter/edge)	MW-34 (edge of site)
NORTHING, FT	1278473.10	1278442.03	1278427.71	1279705.24	1279612.81	1279702.73	1281049.34	1280976.36
EASTING, FT	3190083.81	3188252.28	3185716.95	3185920.94	3188258.35	3190495.90	3190074.13	3185167.73
ELEVATION (TOG), FT	4887.10	4885.69	4895.11	4891.42	4883.91	4884.66	4882.40	4887.04
CASING HEIGHT, FT	2.94	2.95	2.60	3.30	2.83	3.53	3.07	3.72
ELEVATION (TOC), FT	4890.04	4888.64	4897.71	4894.72	4886.74	4888.19	4885.47	4890.76

HIGH (max of first 2 yrs + 1)	4,882.02	4,884.28	4,888.31	4,887.23	4,882.70	4,879.49	4,876.72	4,887.69
LOW (min of first 2 yrs - 1)	4,878.03	4,880.84	4,884.39	4,880.89	4,877.04	4,875.56	4,873.15	4,878.96

01/16/23	4,879.04	4,883.34	4,886.36	4,884.42	4,881.44	4,876.99	4,874.72	4,885.41
02/21/23	4,878.99	4,883.14	not accessible	not accessible	4,881.19	4,877.09	4,874.97	not accessible
03/30/23	4,878.64	4,882.72	4,886.26	4,884.47	4,881.04	4,876.89	4,874.77	4,885.21
04/28/23	4,879.81	4,883.58	4,886.93	4,884.84	4,881.54	4,878.09	4,876.14	4,885.38
05/17/23	4,880.99	4,884.44	4,887.61	4,885.22	4,882.04	4,879.29	4,877.52	4,885.56
06/08/23	4,882.39	4,884.44	4,887.46	4,885.32	4,882.09	4,880.39	4,878.07	4,885.41
07/20/23	4,879.64	4,884.19	4,887.21	4,885.22	4,881.34	4,877.99	4,875.67	4,885.96
08/28/23	4,880.14	4,883.94	4,887.21	4,885.22	4,882.09	4,878.44	4,875.77	4,885.86
09/30/23	4,879.14	4,883.29	4,886.96	4,884.92	4,881.34	4,877.39	4,875.07	4,885.81
10/31/23	4,879.04	4,879.74	4,886.61	4,884.67	4,880.64	4,877.64	4,875.22	4,885.41
11/30/23	4,878.99	4,879.54	4,886.41	4,884.42	4,880.24	4,877.39	4,875.07	4,885.26
12/28/23	4,878.49	4,880.44	4,885.36	4,883.69	4,879.59	4,876.97	4,874.57	4,884.41
01/30/24	4,878.39	4,880.38	4,885.34	4,883.47	4,879.45	4,876.89	4,874.35	4,884.10
02/27/24	4,878.64	4,880.54	4,886.60	4,883.52	4,879.72	4,877.09	4,874.65	4,884.28
03/28/24	4,879.83	4,880.99	4,885.86	4,883.56	4,880.04	4,878.24	4,875.69	4,884.16
04/26/24	4,878.74	4,880.89	4,886.21	4,884.07	4,879.84	4,877.24	4,875.02	4,884.96

Groundwater Monitoring Wells from Jan-2023 to April-2024 (submitted with DRMS Annual Rpt Jun-2024)	south end	south end	south end	south end	south end	south end	internal/edge	edge of site
--	-----------	-----------	-----------	-----------	-----------	-----------	---------------	--------------

KEY

FORT LUPTON S&G MONITOR WELL NO.	MW-37 (out of permit)	MW-45 (internal-edge)	MW-45-A (internal-edge)	MW-52 (internal)	MW-54 (internal)	MW-55 (edge of site)
NORTHING, FT	1282451.42	1286212.47	1285845.69	1284875.58	1285027.37	1285705.08
EASTING, FT	3185753.31	3189018.10	3188270.41	3188125.52	3186385.20	3185816.56
ELEVATION (TOG), FT	4883.69	4870.99	4872.62	---	---	---
CASING HEIGHT, FT	3.49	3.28	2.82	---	---	---
ELEVATION (TOC), FT	4887.18	4874.27	4875.44	4878.28	4887.35	4879.99

ran over 10/23 new 12/23

HIGH (max of first 2 yrs + 1)	4,879.98	4,863.02		4,874.40	4,866.40	4,868.59
LOW (min of first 2 yrs - 1)	4,864.78	4,851.42		4,858.08	4,854.65	4,854.99

01/16/23	4,877.68	4,857.97		4,852.28	4,868.85	4,869.14
02/21/23	4,876.58	4,857.92		4,852.68	4,868.25	4,868.64
03/30/23	4,876.03	4,859.02		4,853.03	4,868.35	4,867.64
04/28/23	4,875.33	4,861.44		4,852.53	4,868.57	4,869.39
05/17/23	4,874.63	4,863.87		4,852.03	4,868.80	4,871.14
06/08/23	4,874.88	4,865.02		4,852.68	4,869.45	4,871.49
07/20/23	4,876.13	4,863.82		4,852.68	4,869.95	4,871.96
08/28/23	4,877.38	4,862.62		4,852.63	4,870.45	4,872.44
09/30/23	4,877.38	ran over 10/23		4,851.78	4,870.70	4,872.59
10/31/23	4,876.33	Replace MW-45	Replace MW-45	4,851.68	4,870.15	4,872.39
11/30/23	4,876.13	with MW-45-A	with MW-45-A	4,851.63	4,869.90	4,872.29
12/28/23	4,874.48	in 12/23	in 12/23	4,851.43	4,869.40	4,869.49
01/30/24	4,873.63	mined out	4,860.33	4,851.63	4,869.08	4,869.09
02/27/24	4,873.08	-	4,861.23	4,851.60	4,869.03	4,868.88
03/28/24	4,872.68	-	4,863.46	4,851.43	4,868.84	4,868.54
04/26/24	4,873.38	-	4,862.59	4,851.48	4,868.35	4,868.59

Groundwater Monitoring Wells from Jan-2023 to April-2024 (submitted with DRMS Annual Rpt Jun-2024)	out of permit (Aug-2022)	internal-edge of site	internal-edge of site	internal	internal	edge of site
--	-----------------------------	--------------------------	--------------------------	----------	----------	--------------

KEY



Active MW

2023-2024



			<div>DRAWN BY: JS DATE: 05/22/2022 SCALE: Not to scale SIZE: 11x17</div>	<div>REV. # BY DATE DESCRIPTION A - - - B - - -</div> <div><div>L.G. Everist, Inc. Aggregate Producers 7321 E. 80th Ave, Suite 200 Henderson, CO, 80640 (303) 266-2245</div></div>	Active MW Locations 2021-2022 L.G.E. Ft. Lupton Resource Weld County, CO