

**STATE OF  
COLORADO****Cazier - DNR, Tim** <tim.cazier@state.co.us>

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**RE: (EXTERNAL)Re: VLF2 Data (Liner Investigation)**

1 message

**Justin Bills** <Justin.Bills@newmont.com>

Tue, Jun 5, 2018 at 8:33 AM

To: "Cazier - DNR, Tim" &lt;tim.cazier@state.co.us&gt;

Cc: Elliott Russell - DNR &lt;elliott.russell@state.co.us&gt;, Amy Eschberger - DNR &lt;amy.eschberger@state.co.us&gt;, Meg Burt &lt;Margaret.Burt@newmont.com&gt;, Gary Horton &lt;Gary.Horton@newmont.com&gt;, Ronald Parratt &lt;Ronald.Parratt@newmont.com&gt;, Linda White &lt;Linda.White@newmont.com&gt;, Tony Waldron &lt;tony.waldron@state.co.us&gt;, Russ Means &lt;russ.means@state.co.us&gt;, Michael Cunningham &lt;michaela.cunningham@state.co.us&gt;

Tim,

It looks like the LDS was checked on 5/22. The scanned copy isn't great and the ink in the yellow section doesn't show up well, but you can see the inspection times as 7:00, 7:05, 7:10 and "N" circled for water observed.

**From:** Cazier - DNR, Tim [mailto:[tim.cazier@state.co.us](mailto:tim.cazier@state.co.us)]**Sent:** Tuesday, June 05, 2018 8:15 AM**To:** Justin Bills**Cc:** Elliott Russell - DNR; Amy Eschberger - DNR; Meg Burt; Gary Horton; Ronald Parratt; Linda White; Tony Waldron; Russ Means; Michael Cunningham**Subject:** (EXTERNAL)Re: VLF2 Data (Liner Investigation)

Justin,

Why wasn't the leak detection system checked on May 22? As I understand the system, the power outage should not have affected the ability to check the LDS.

Tim Cazier, P.E.

Environmental Protection Specialist

P 303.866.3567 x8169 | F 303.832.8106 | C 303.328.5229

[1313 Sherman St., Room 215, Denver, CO 80203](#)[tim.cazier@state.co.us](mailto:tim.cazier@state.co.us) | [www.mining.state.co.us](http://www.mining.state.co.us)On Mon, Jun 4, 2018 at 2:35 PM, Justin Bills <[Justin.Bills@newmont.com](mailto:Justin.Bills@newmont.com)> wrote:

Tim,

Attached are the daily LDS inspection forms from May 22 to June 4, 2018.

Below is a table summarizing the CN results for the VLF2 pumpback vault.

Location	Date	WAD CN (mg/L)
SGVLF Pumpback Vault	5/14/2018	<0.01
SGVLF Pumpback Vault	5/21/2018	<0.01

I will send the next round of data on July 2, 2018.

Please let me know if you have any questions.

Thank you



**Justin Bills**

Senior Environmental Specialist

Cripple Creek and Victor Gold Mining Co.

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**Newmont Mining Corporation**

Cripple Creek and Victor Gold Mining Co.

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Victor, CO 80860

6/5/2018

State.co.us Executive Branch Mail - RE: (EXTERNAL)Re: VLF2 Data (Liner Investigation)

*Please consider the environment before printing this e-mail.*

Date: 5-22-18 / 7:00 am

Int. C. Chess

Field Inspection Report Form  
SG/VLF 2/LDS

Squaw Gulch

VLF 2 LVLC -

Totalizer/Gpm 1305241  
Pump 1 6.2  
Pump 2 5.6

VLF 2

Squaw Gulch Pump Back - Totalizer/Gpm 1113454  
Pump 1 Down  
Pump 2 Down

VLF 2 Leak Detection System

Water Observed		Comments	Total Gallons	Sampled	Time	pH	Temp. C	Cond	D.O.	O & G
#1	Y	N		Y N	7:00					
#2	Y	N		Y N	7:05					
#3	Y	N		Y N	7:10					

Comments: Squaw Gulch pump back is down due to temporary power outage.

Int. *P. Chess*

## Squaw Gulch

**VLF 2 LVLC -**

Totalizer/Gpm 1309063

Pump 1 10.4

Pump 2	9.7
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## VLF 2

Squaw Gulch Pump Back - Totalizer/Gpm 1113454

Pump 1 46.9

Pump 2 43.6

## VLF 2 Leak Detection System

			Total Gallons	Sampled	Time	pH	Temp. C	Cond	D.O.	O & G
Water Observed	Comments			Y N	7:30					
#1	Y	N		Y N	7:35					
#2	Y	N		Y N	7:40					
#3	Y	N		Y N	:					

**Comments:**

Date: 5-24-18

Int. BP/7:30

Field Inspection Report Form

SG/VLF 2/LDS

Squaw Gulch

VLF 2 LVLC -

Totalizer/Gpm 1312607-0gpm

Pump 1 14.4

Pump 2 13.7

VLF 2

Squaw Gulch Pump Back -

Totalizer/Gpm 1113454

Pump 1 45.9

Pump 2 43.0

VLF 2 Leak Detection System

		Total Gallons	Sampled		Time	pH	Temp. C	Cond	D.O.	O & G
Water Observed		Comments	Y	N	:					
#1	Y (N)		Y	N	7 : 05					
#2	Y (N)		Y	N	7 : 15					
#3	Y (N)		Y	N	7 : 20					

Comments:





Date: 5-26-18

Int. ZAC

Field Inspection Report Form  
SG/VLF 2/LDS

Squaw Gulch

VLF 2 LVLC -

Totalizer/Gpm 1320959 / 0

Pump 1 12.5

Pump 2 11.8

VLF 2

Squaw Gulch Pump Back -

Totalizer/Gpm 1113454 / 0

Pump 1 45.9

Pump 2 43.8

VLF 2 Leak Detection System

		Total Gallons	Sampled	Time	pH	Temp. C	Cond	D.O.	O & G
Water Observed			Y <input checked="" type="checkbox"/>	<u>12:08</u>					
#1	Y <input checked="" type="checkbox"/>		Y <input checked="" type="checkbox"/>	<u>12:08</u>					
#2	Y <input checked="" type="checkbox"/>		Y <input checked="" type="checkbox"/>	<u>1:00</u>					
#3	Y <input checked="" type="checkbox"/>		Y <input checked="" type="checkbox"/>	<u>1:10</u>					

Comments:



Date: 5-27-18

Int. ZAC

Field Inspection Report Form  
SG/VLF 2/LDS

Squaw Gulch

VLF 2 LVLC -

Totalizer/Gpm 1324070 / 18  
Pump 1 10.2  
Pump 2 9.5

VLF 2

Squaw Gulch Pump Back -

Totalizer/Gpm 1113454 / 0  
Pump 1 45.9  
Pump 2 113.8

VLF 2 Leak Detection System

Water Observed		Comments	Total Gallons	Sampled		Time	pH	Temp. C	Cond	D.O.	O & G
				Y	N	:					
#1	Y	<u>N</u>		Y	<u>N</u>	<u>9 : 48</u>					
#2	Y	<u>N</u>		Y	<u>N</u>	<u>9 : 50</u>					
#3	Y	<u>N</u>		Y	<u>N</u>	<u>9 : 23</u>					

Comments:

Date: 5-28-18

Int. JS

Field Inspection Report Form  
SG/VLF 2/LDS

Squaw Gulch

VLF 2 LVLC -  
7:00

Totalizer/Gpm 1327282 / 0  
Pump 1 14.2  
Pump 2 13.3

VLF 2

Squaw Gulch Pump Back -  
6:25

Totalizer/Gpm 1113454 / 0  
Pump 1 45.9  
Pump 2 43.6

VLF 2 Leak Detection System

Water Observed			Comments	Total Gallons	Sampled		Time	pH	Temp. C	Cond	D.O.	O & G
					Y	N	:					
#1	Y	(N)	Dry	N/A	Y	(N)	6 : 55	N/A	N/A	N/A	N/A	N/A
#2	Y	(N)	Dry	N/A	Y	(N)	7 : 05	N/A	N/A	N/A	N/A	N/A
#3	Y	(N)	Dry	N/A	Y	(N)	6 : 40	N/A	N/A	N/A	N/A	N/A

Comments:

Date: 5/29/18

Int. JS

Field Inspection Report Form

SG/VLF 2/LDS

Squaw Gulch

VLF 2 LVLC -

6:48<sup>A</sup>

Totalizer/Gpm 131060 / 0 Gpm

Pump 1 6.4

Pump 2 5.9

VLF 2

Squaw Gulch Pump Back -

6:32<sup>A</sup>

Totalizer/Gpm 113454 / 0 Gpm

Pump 1 45.7

Pump 2 43.6

VLF 2 Leak Detection System

		Total Gallons	Sampled	Time	pH	Temp. C	Cond	D.O.	O & G
Water Observed				:					
#1	Y <u>(N)</u>	<u>0/A</u>	Y <u>(N)</u>	<u>6:45<sup>A</sup></u>	<u>0/A</u>	<u>0/A</u>	<u>0/A</u>	<u>0/A</u>	<u>0/A</u>
#2	Y <u>(N)</u>	<u>0/A</u>	Y <u>(N)</u>	<u>7:02<sup>A</sup></u>	<u>0/A</u>	<u>0/A</u>	<u>0/A</u>	<u>0/A</u>	<u>0/A</u>
#3	Y <u>(N)</u>	<u>0/A</u>	Y <u>(N)</u>	<u>6:55<sup>A</sup></u>	<u>0/A</u>	<u>0/A</u>	<u>0/A</u>	<u>0/A</u>	<u>0/A</u>

Comments:

Date: 5-30-18

Int. JS

Field Inspection Report Form

SG/VLF 2/LDS

Squaw Gulch

VLF 2 LVLC -

7:00  
A.M.

Totalizer/Gpm 1334586 / 0

Pump 1 11.9

Pump 2 11.2

VLF 2

Squaw Gulch Pump Back -

6:43

Totalizer/Gpm 1113454 / 0

Pump 1 45.7

Pump 2 43.6

VLF 2 Leak Detection System

Water Observed		Comments	Total Gallons	Sampled	Time	pH	Temp. C	Cond	D.O.	O & G
#1	Y (N)	DRY	N/A	Y (N)	6:58	N/A	N/A	N/A	N/A	N/A
#2	Y (N)	DRY	N/A	Y (N)	7:04	N/A	N/A	N/A	N/A	N/A
#3	Y (N)	DRY	N/A	Y (N)	6:30	N/A	N/A	N/A	N/A	N/A

Comments:



Date: 5/31/18

Int. DE

Field Inspection Report Form

SG/VLF 2/LDS

Squaw Gulch

VLF 2 LVLC -

7:01

Totalizer/Gpm

1338118/0 Gpm

Pump 1 14.4

Pump 2 13.7

VLF 2

Squaw Gulch Pump Back -

7:47

Totalizer/Gpm

1113454/0 Gpm

Pump 1 45.7

Pump 2 43.6

VLF 2 Leak Detection System

Water Observed		Comments	Total Gallons	Sampled	Time	pH	Temp. C	Cond	D.O.	O & G
			N/A	Y <input checked="" type="radio"/> N	:	N/A	N/A	N/A	N/A	N/A
#1	Y <input checked="" type="radio"/> N	Dry	N/A	Y <input checked="" type="radio"/> N	6:57	N/A	N/A	N/A	N/A	N/A
#2	Y <input checked="" type="radio"/> N	Dry	N/A	Y <input checked="" type="radio"/> N	6:59	N/A	N/A	N/A	N/A	N/A
#3	Y <input checked="" type="radio"/> N	Dry	N/A	Y <input checked="" type="radio"/> N	7:06	N/A	N/A	N/A	N/A	N/A

Comments:

Date: 6/1/18

Int. EJ

Field Inspection Report Form  
SG/VLF 2/LDS

Squaw Gulch

VLF 2 LVLC -

Totalizer/Gpm 1341912 / 0

Pump 1 9.1

Pump 2 8.4

VLF 2

Squaw Gulch Pump Back - Totalizer/Gpm 1113454 / 0

Pump 1 45.7

Pump 2 43.6

VLF 2 Leak Detection System

Water Observed		Comments	Total Gallons	Sampled	Time	pH	Temp. C	Cond	D.O.	O & G
				Y N	:					
#1	Y (N)			Y (N)	8 :20 AM					
#2	Y (N)			Y (N)	8 :25 AM					
#3	Y (N)			Y (N)	8 :30 AM					

Comments:



Int. CB

## Squaw Gulch

Totalizer/Gpm	1345431
Pump 1	7.9
Pump 2	7.1

## VLF 2

Squaw Gulch Pump Back -	Totalizer/Gpm	1113454
	Pump 1	9.6
	Pump 2	9.1

		Total Gallons	Sampled	Time	pH	Temp. C	Cond	D.O.	O & G
Water Observed	Comments		Y <del>N</del>	6:50					
#1 Y <del>N</del>			Y <del>N</del>	6:55					
#2 Y <del>N</del>			Y <del>N</del>	7:00					
#3 Y <del>N</del>			Y <del>N</del>	7:10					

**Comments:**

Date: 6/3/18

Int. Cody Jannak

Field Inspection Report Form

SG/VLF 2/LDS

Squaw Gulch

VLF 2 LVLC -

Totalizer/Gpm 134868610

Pump 1 13.6

Pump 2 12.9

VLF 2

54.93

Squaw Gulch Pump Back -

Totalizer/Gpm 111345410

Pump 1 45.7

Pump 2 43.6

VLF 2 Leak Detection System

		Total Gallons	Sampled	Time	pH	Temp. C	Cond	D.O.	O & G
Water Observed			Y <u>(N)</u>	<u>06:45</u>					
#1	Y <u>(N)</u>		Y <u>(N)</u>	<u>06:45</u>					
#2	Y <u>(N)</u>		Y <u>(N)</u>	<u>06:45</u>					
#3	Y <u>(N)</u>		Y <u>(N)</u>	<u>06:45</u>					

Comments:

Date: 6-4-16  
Int. J. Smoot

Field Inspection Report Form  
SG/VLF 2/LDS

Squaw Gulch

VLF 2 LVLC - Totalizer/Gpm 1352190 - 0  
7:10 Pump 1 13.6  
Pump 2 13.1

VLF 2

Squaw Gulch Pump Back - Totalizer/Gpm 1113454  
7:40 Pump 1 45.7  
Pump 2 43.6

VLF 2 Leak Detection System

		Total Gallons	Sampled		Time	pH	Temp. C	Cond	D.O.	O & G
Water Observed		Comments	Y	N	:					
#1	Y	<del>N</del>	N/A	Y	N	7 : 20	N/A	N/A	N/A	N/A
#2	Y	<del>N</del>	N/A	Y	<del>N</del>	7 : 05	N/A	N/A	N/A	N/A
#3	Y	<del>N</del>	N/A	Y	N	7 : 15	N/A	N/A	N/A	N/A

Comments: