

Jones
m/001/0067



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MAR 22 2017

Div. of Oil, Gas & Mining

Weekly Report Week ending: 3/20/17

Neutralization of Leach Tailings:

Neutralization of leach continued last week, with CSM receiving 6 truck load(s) of LKD(Lime Kiln Dust). Since the resumption of leaching copper ore on February 14th, 2017, CSM has received 29, 42-ton truck loads of LKD.

Leach Tailings Neutralization pH Log				
Date	AM	Mid-Day	PM	Comments
2/16/17		8.91	9.07	
2/17/17	8.24	8.42	8.31	
2/18/17	7.50	6.00	5.13	
2/19/17		2.50	2.20	No LKD Delivered
2/20/17	1.95	2.00	5.65	
2/21/17	8.10	5.15	5.05	
2/22/17	5.88	6.27		
2/23/17	5.37	5.90	5.05	
2/24/17	2.07			No LKD, ITDF Pump Down
2/27/17	1.47	5.36	5.29	
2/28/17	3.26	3.37	8.55	
3/1/17	4.91	6.50	8.09	
3/2/17	5.40	4.70	3.80	
3/3/17	4.71	3.59	5.04	
3/6/17	5.10	4.23	4.73	
3/7/17	8.64	5.36	3.59	
3/8/17	1.40	4.68	4.28	
3/9/17	2.41	3.64	3.61	
3/14/17	2.99	5.37	5.01	
3/15/17	1.50	1.40	3.87	
3/16/17	1.37	4.60	4.86	
3/17/17	1.82	5.10	4.41	
3/20/17	5.49	7.33	4.92	

Mill/SX

Mill/SX has worked/is working through a number of snags adversely affecting efficient control of ITDF discharge pH. Such adversities have included:

- Uncontrollable densities affecting flowrates within the neutralization circuit. I.e. the sample port where CCD4 density is taken was broken and took time to repair. This resulted in inconsistent flow rates of CCD tailings. Higher tailings flow ultimately drove pH downward.
- Inconsistencies with LKD delivery times. A factor that is, largely, out of our hands. pH recorded in the morning is typically low because of a late delivery.

- Change in flow pathways. Leach feed now requires both the North and South Mill Thickeners. Rather than using the Mill South Thickener as part of our neutralization circuit, we have reverted to sending LKD directly to the Booster Station. This change took time and temporarily affected pH.
- The pH meter, to be installed at the point of ITDF discharge, requires more infrastructure. Until such infrastructure can be accomplished, pH continues to be monitored manually and as little as three times a day. Start-up and current operational demands of Mill/SX have limited personnel availability in frequently checking of pH.

As described above some of the factors affecting tailings discharge pH control have been addressed, others will require more time, perhaps 2 weeks or more to resolve

ITDF pH Monitoring (see table below):

Intermediate Tailings Dam Facility pH @ 25°C				
Date	North	East	South	West
9/6/16	1.28	1.29	1.22	1.29
9/13/16	1.48	1.49	1.50	1.54
9/20/16	1.59	1.59	1.61	1.62
9/27/16	1.57	1.54	1.55	1.58
10/4/16	1.52	1.53	1.59	1.52
10/12/16	1.74	1.67	1.65	1.68
10/18/16	1.88	1.70	1.71	1.72
10/25/16	1.95	1.69	1.68	1.70
11/1/16	2.00	1.73	1.73	1.74
11/8/16	2.12	1.84	1.83	1.83
11/14/16	2.13	1.89	1.87	1.91
11/21/16	2.15	1.90	1.91	1.92
11/29/16	2.06	1.86	1.86	1.87
12/5/16	2.08	1.89	1.93	1.88
12/12/16	2.17	1.93	1.93	1.91
12/19/16	*NA	*NA	*NA	*NA
12/26/16	*NA	*NA	*NA	*NA
12/28/16	*NA	*NA	*NA	*NA
1/3/17	*NA	*NA	*NA	*NA
1/10/17	3.02	2.03	2.02	2.03
1/16/17	2.29	2.02	2.03	2.01
1/23/17	*NA	*NA	*NA	*NA
1/30/17	*NA	2.07	2.07	2.06
2/13/17	2.14	2.03	2.02	2.02
2/20/17	3.91	2.13	2.08	2.07
2/27/17	2.39	2.11	2.11	2.10
3/6/17	3.55	2.19	2.17	2.16
3/14/17	2.45	2.18	2.17	2.18
3/21/17	2.31	2.20	2.20	2.21

* pH measurements not available (NA) due to winter weather conditions (ice-covered pond and/or snow/water on ITDF liner)



Incoming
M/001/0007
No task

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MAR 07 2017

Div. of Oil, Gas & Mining

Weekly Report Week ending: 3/6/17

Neutralization of Leach Tailings:

Neutralization of leach tailings commenced last week, with CSM receiving 5 truck load(s) of LKD(Lime Kiln Dust). Since the resumption of leaching copper ore on February 14th, 2017, CSM has received 16, 42-ton truck loads of LKD.

To recap, the emphasis during the first several weeks of operation will be, besides optimal copper production, both control of pH in the CCD circuit and neutralization of the resultant tailings using the lime slaking system. During this period, pH of tailings going to the ITDF is expected to be variable as the operation of the leaching and CCD circuits are optimized in terms of the grade of PLS produced and the pH of the tailings leaving CCD #4. CSM will endeavor to maintain a pH no lower than pH 6.5 to pH 7.5 during the first weeks of operation.

Leach Tailings Neutralization pH Log				
Date	AM	Mid-Day	PM	Comments
2/16/17		8.91	9.07	
2/17/17	8.24	8.42	8.31	
2/18/17	7.50	6.00	5.13	
2/19/17		2.50	2.20	No LKD Delivered
2/20/17	1.95	2.00	5.65	
2/21/17	8.10	5.15	5.05	
2/22/17	5.88	6.27		
2/23/17	5.37	5.90	5.05	
2/24/17	2.07			No LKD, ITDF Pump Down
2/25/17				
2/26/17				No LKD Delivered
2/27/17	1.47	5.36	5.29	
2/28/17	3.26	3.37	8.55	
3/1/17	4.91	6.50	8.09	
3/2/17	5.40	4.70	3.80	
3/3/17	4.71	3.59	5.04	
3/4/17				No LKD Delivered
3/5/17				No LKD Delivered
3/6/17	5.10	4.23	4.73	

Variability in pH is due to variability in tailings discharge rates, irregular LKD deliveries, and dosing control issues for LKD delivery to the booster pump. These are normal start-up related issues and plant staff is addressing them.

Mill/SX

Maintenance is in the process of installing a pH meter on the ITDF tailings discharge line. The pH meter will be connected to the lime pump and the pump speed will be adjusted according to the pH measured. This will allow for better control (neutralizing tailings w/LKD) than manually checking the pH and adjusting pumping rates several times a day. After this installation is complete, flow rates will be adjusted automatically in order to better maintain the target pH .

ITDF pH Monitoring (see table below):

Intermediate Tailings Dam Facility pH @ 25°C				
Date	North	East	South	West
9/6/16	1.28	1.29	1.22	1.29
9/13/16	1.48	1.49	1.50	1.54
9/20/16	1.59	1.59	1.61	1.62
9/27/16	1.57	1.54	1.55	1.58
10/4/16	1.52	1.53	1.59	1.52
10/12/16	1.74	1.67	1.65	1.68
10/18/16	1.88	1.70	1.71	1.72
10/25/16	1.95	1.69	1.68	1.70
11/1/16	2.00	1.73	1.73	1.74
11/8/16	2.12	1.84	1.83	1.83
11/14/16	2.13	1.89	1.87	1.91
11/21/16	2.15	1.90	1.91	1.92
11/29/16	2.06	1.86	1.86	1.87
12/5/16	2.08	1.89	1.93	1.88
12/12/16	2.17	1.93	1.93	1.91
12/19/16	*NA	*NA	*NA	*NA
12/26/16	*NA	*NA	*NA	*NA
12/28/16	*NA	*NA	*NA	*NA
1/3/17	*NA	*NA	*NA	*NA
1/10/17	3.02	2.03	2.02	2.03
1/16/17	2.29	2.02	2.03	2.01
1/23/17	*NA	*NA	*NA	*NA
1/30/17	*NA	2.07	2.07	2.06
2/13/17	2.14	2.03	2.02	2.02
2/20/17	3.91	2.13	2.08	2.07
2/27/17	2.39	2.11	2.11	2.10
3/6/17	3.55	2.19	2.17	2.16

* pH measurements not available (NA) due to winter weather conditions (ice-covered pond and/or snow/water on ITDF liner)

2/28/2017

State of Utah Mail - Weekly ITDF/tails pH Report

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Peter Brinton <peterbrinton@utah.gov>

Weekly ITDF/tails pH Report

Bob Bayer <bob@rjbayerpgeo.com>

Tue, Feb 28, 2017 at 11:45 AM

To: Peter Brinton <peterbrinton@utah.gov>

Cc: David McMullin <dmcullin@csmining.com>, Leslie Buhler <lbuhler@csmining.com>, Cole Rasch <crasch@csmining.com>

Peter – Attached is the weekly report for the week before last (ending on February 20), the first week of plant re-start. The plant staff was engaged in fine-tuning/debugging the leaching, CCD, and neutralization circuits through last week and that work continues this week. Last week the SX and EW circuits began operation.

Please call or email with any questions you may have.

Bob

Robert J. Bayer, P.G.

R.J. Bayer, Professional Geologist, LC

office: 801-561-4286

cell: 801-560-9709



Leach Tailings Neutralization DOGM Weekly Report 2 24 17v2.docx

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Weekly Report Week ending: 2/20/17

Neutralization of Leach Tailings:

Neutralization of leach tailings commenced last week, with CSM receiving **10** truck load(s) of Lime Kiln Dust (LKD). Since the resumption of leaching copper ore on February 14th, 2017, CSM has received **10**, 42-ton truck loads of LKD (lime kiln dust).

As mentioned last week, the emphasis during the first several weeks of operation will be, besides optimal copper production, both control of pH in the CCD circuit and neutralization of the resultant tailings using the lime slaking system. During this period, pH of tailings going to the ITDF is expected to be variable as the operation of the leaching and CCD circuits are optimized in terms of the grade of PLS produced and the pH of the tailings leaving CCD #4. CSM will endeavor to maintain a pH no lower than pH 6.5 to pH 7.5 during the first weeks of operation.

Leach Tailings Neutralization pH Log				
Date	AM	Mid-Day	PM	Comments
2/16/17		8.91	9.07	
2/17/17	8.24	8.42	8.31	
2/18/17	7.50	6.00	5.13	
2/19/17		2.50	2.20	No LKD Delivered
2/20/17	1.95	2.0	5.65	Late LKD Delivery
2/21/17	8.10	5.15	5.05	
2/22/17	5.88	6.27		
2/23/17	5.37	5.90	5.05	
2/24/17	2.07			No LKD, ITDF Pump Down

Variability in pH is due to variability in tailings discharge rates, irregular LKD deliveries, and dosing control issues for LKD delivery to the booster pump. These are normal start-up related issues and plant staff are addressing them.

Mill/SX

ITDF Pump down as of 2/24/17.

ITDF pH Monitoring (see table below):

Intermediate Tailings Dam Facility pH @ 25°C				
Date	North	East	South	West
9/6/16	1.28	1.29	1.22	1.29
9/13/16	1.48	1.49	1.50	1.54
9/20/16	1.59	1.59	1.61	1.62
9/27/16	1.57	1.54	1.55	1.58
10/4/16	1.52	1.53	1.59	1.52
10/12/16	1.74	1.67	1.65	1.68
10/18/16	1.88	1.70	1.71	1.72
10/25/16	1.95	1.69	1.68	1.70
11/1/16	2.00	1.73	1.73	1.74
11/8/16	2.12	1.84	1.83	1.83
11/14/16	2.13	1.89	1.87	1.91
11/21/16	2.15	1.90	1.91	1.92
11/29/16	2.06	1.86	1.86	1.87
12/5/16	2.08	1.89	1.93	1.88
12/12/16	2.17	1.93	1.93	1.91
12/19/16	*NA	*NA	*NA	*NA
12/26/16	*NA	*NA	*NA	*NA
12/28/16	*NA	*NA	*NA	*NA
1/3/17	*NA	*NA	*NA	*NA
1/10/17	3.02	2.03	2.02	2.03
1/16/17	2.29	2.02	2.03	2.01
1/23/17	*NA	*NA	*NA	*NA
1/30/17	*NA	2.07	2.07	2.06
2/13/17	2.14	2.03	2.02	2.02
2/20/17	3.91	2.13	2.08	2.07

* pH measurements not available (NA) due to winter weather conditions (ice-covered pond and/or snow/water on ITDF liner)

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JAN 31 2017

Div. of Oil, Gas & Mining

Weekly Report Week ending: 1/30/17

Neutralization of ITDF Pond:

Neutralization of ITDF solution continued thru the week, with CSM receiving 0 truck load(s) of quicklime. To date CSM has received 34, 42-ton truck loads of lime kiln dust and 15, 42-ton truck loads of quick lime. Neutralization of tailings decantate to pH 5.5 is estimated to require a total of ? truckloads. At the currently budgeted delivery rate of 1 truck load(s) per week, decantate neutralization is estimated to be completed by approximately April 23rd, 2017.

During the week, the pumping system operated a total of approximately 0 hours at an average pumping rate of 0 gallons per minute for a total of 0 gallons.

Below is an updated table of weekly pH measurements.

Intermediate Tailings Dam Facility pH @ 25°C				
Date	North	East	South	West
9/6/16	1.28	1.29	1.22	1.29
9/13/16	1.48	1.49	1.50	1.54
9/20/16	1.59	1.59	1.61	1.62
9/27/16	1.57	1.54	1.55	1.58
10/4/16	1.52	1.53	1.59	1.52
10/12/16	1.74	1.67	1.65	1.68
10/18/16	1.88	1.70	1.71	1.72
10/25/16	1.95	1.69	1.68	1.70
11/1/16	2.00	1.73	1.73	1.74
11/8/16	2.12	1.84	1.83	1.83
11/14/16	2.13	1.89	1.87	1.91
11/21/16	2.15	1.90	1.91	1.92
11/29/16	2.06	1.86	1.86	1.87
12/5/16	2.08	1.89	1.93	1.88
12/12/16	2.17	1.93	1.93	1.91
12/19/16	*NA	*NA	*NA	*NA
12/26/16	*NA	*NA	*NA	*NA
12/28/16	*NA	*NA	*NA	*NA
1/3/17	*NA	*NA	*NA	*NA
1/10/17	3.02	2.03	2.02	2.03
1/16/17	2.29	2.02	2.03	2.01
1/23/17	*NA	*NA	*NA	*NA
1/30/17	*NA	2.07	2.07	2.06

* pH measurements not available (NA) due to winter weather conditions (ice-covered pond and/or snow/water on ITDF liner)

Mill/SX

On Monday the 9th, the pump located on the ITDF Barge experienced another bearing failure. Efforts are underway to rebuild or replace the pump as soon as possible. Once the pump is fixed, the line will need to be primed. Priming requires a forklift which is currently in need of repair. A mechanic is scheduled to replace the forklift's starter at his earliest convenience.

As of the 23rd, Maintenance is still waiting on parts for the Long-reach Forklift. Until its repair there is no other way in which the ITDF Barge Pump can be removed from the ITDF for repair.

The forklift has been repaired. The Barge is schedule to be removed from the ITDF today, January 30th. Afterwards, an inspection will occur and the Barge Pump will either be rebuilt or replaced.

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JAN 27 2017

Div. of Oil, Gas & Mining



Weekly Report Week ending: 1/23/2017

Neutralization of ITDF Pond:

Neutralization of ITDF solution was suspended during the week, with CSM receiving 0 truck load(s) of quicklime. To date CSM has received 34, 42-ton truck loads of lime kiln dust and 15, 42-ton truck loads of quick lime. Neutralization of tailings decantate to pH 5.5 is estimated to require a total of ? truckloads. At the currently budgeted delivery rate of 1 truck load(s) per week, decantate neutralization is estimated to be completed by approximately April 23rd, 2017.

During the week, the pumping system operated a total of approximately 0 hours at an average pumping rate of 0 gallons per minute for a total of 0 gallons.

Below is an updated table of weekly pH measurements.

Intermediate Tailings Dam Facility pH				
Date	North	East	South	West
9/6/16	1.28	1.29	1.22	1.29
9/13/16	1.48	1.49	1.50	1.54
9/20/16	1.59	1.59	1.61	1.62
9/27/16	1.57	1.54	1.55	1.58
10/4/16	1.52	1.53	1.59	1.52
10/12/16	1.74	1.67	1.65	1.68
10/18/16	1.88	1.70	1.71	1.72
10/25/16	1.95	1.69	1.68	1.70
11/1/16	2.00	1.73	1.73	1.74
11/8/16	2.12	1.84	1.83	1.83
11/14/16	2.13	1.89	1.87	1.91
11/21/16	2.15	1.90	1.91	1.92
11/29/16	2.06	1.86	1.86	1.87
12/5/16	2.08	1.89	1.93	1.88
12/12/16	2.17	1.93	1.93	1.91
12/19/16	*NA	*NA	*NA	*NA
12/26/16	*NA	*NA	*NA	*NA
12/28/16	*NA	*NA	*NA	*NA
1/3/17	*NA	*NA	*NA	*NA
1/10/17	3.02	2.03	2.02	2.03
1/16/17	2.29	2.02	2.03	2.01
1/23/17	*NA	*NA	*NA	*NA

* pH measurements not available (NA) due to winter weather conditions (ice-covered pond and/or snow/water on ITDF liner)

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MILL/SX

On Monday the 9th, the pump located on the ITDF Barge experienced another bearing failure. Efforts are underway to rebuild or replace the pump as soon as possible. Once the pump is fixed, the line will need to be primed. Priming requires a forklift which is currently in need of repair. A mechanic is scheduled to replace the forklift's starter at his earliest convenience.

As of the 23rd, Maintenance is still waiting on parts for the Long-reach Forklift. Until its repair there is no other way in which the ITDF Barge Pump can be removed from the ITDF for repair.

Tacony
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JAN 12 2017

Div. of Oil, Gas & Mining

Weekly Report Week ending: 1/10/2017

Neutralization of ITDF Pond:

Neutralization of ITDF solution continued thru the week, with CSM receiving 1 truck load(s) of quicklime. To date CSM has received 34, 42-ton truck loads of lime kiln dust and 14, 42-ton truck loads of quick lime. (Neutralization of tailings decantate to pH 5.5 is estimated to require a total of 11 truckloads. At the currently budgeted delivery rate of 1 truck load(s) per week, decantate neutralization is estimated to be completed by approximately April 23rd, 2017. *10?*

During the week, the pumping system operated a total of 168 hours at an average pumping rate of 551 gallons per minute for a total of 5,549,900 gallons.

Below is an updated table of weekly pH measurements.

Intermediate Tailings Dam Facility (ITDF) pH				
Date	North	East	South	West
9/6/16	1.28	1.29	1.22	1.29
9/13/16	1.48	1.49	1.50	1.54
9/20/16	1.59	1.59	1.61	1.62
9/27/16	1.57	1.54	1.55	1.58
10/4/16	1.52	1.53	1.59	1.52
10/12/16	1.74	1.67	1.65	1.68
10/18/16	1.88	1.70	1.71	1.72
10/25/16	1.95	1.69	1.68	1.70
11/1/16	2.00	1.73	1.73	1.74
11/8/16	2.12	1.84	1.83	1.83

11/14/16	2.13	1.89	1.87	1.91
11/21/16	2.15	1.90	1.91	1.92
11/29/16	2.06	1.86	1.86	1.87
12/5/16	2.08	1.89	1.93	1.88
12/12/16	2.17	1.93	1.93	1.91
12/19/16	*NA	*NA	*NA	*NA
12/26/16	*NA	*NA	*NA	*NA
12/28/16	*NA	*NA	*NA	*NA
1/3/17	*NA	*NA	*NA	*NA
1/10/17	3.02	2.03	2.02	2.03

* pH measurements not available (NA) due to winter weather conditions (ice-covered pond)

Mill/SX

No interruption of pumping reported.

Incoming
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JAN 04 2017

Div. of Oil, Gas & Mining

Weekly Report Week ending: 1/3/2017

Neutralization of ITDF Pond:

Neutralization of ITDF solution continued thru the week, with CSM receiving 2 truck load(s) of quicklime. To date CSM has received 34, 42-ton truck loads of lime kiln dust and 13, 42-ton truck loads of quick lime. (Neutralization of tailings decantate to pH 5.5 is estimated to require a total of 11 truckloads. At the current delivery rate of 2 truck load(s) per week, decantate neutralization is estimated to be completed by approximately

February 12th, 2017

During the week, the pumping system operated a total of 165 hours at an average pumping rate of 526 gallons per minute for a total of 5,207,400 gallons.

Below is an updated table of weekly pH measurements.

Intermediate Tailings Dam Facility Weekly pH						
Date	North	East	South	West	Slake Tank Feed Line	Recirculation Line
9/6/16	1.28	1.29	1.22	1.29		
9/13/16	1.48	1.49	1.50	1.54		
9/20/16	1.59	1.59	1.61	1.62		
9/27/16	1.57	1.54	1.55	1.58		
10/4/16	1.52	1.53	1.59	1.52		
10/12/16	1.74	1.67	1.65	1.68		
10/18/16	1.88	1.70	1.71	1.72		
10/25/16	1.95	1.69	1.68	1.70		
11/1/16	2.00	1.73	1.73	1.74		
11/8/16	2.12	1.84	1.83	1.83		
11/14/16	2.13	1.89	1.87	1.91		
11/21/16	2.15	1.90	1.91	1.92		
11/29/16	2.06	1.86	1.86	1.87		
12/5/16	2.08	1.89	1.93	1.88		
12/12/16	2.17	1.93	1.93	1.91		
12/19/16	*NA	*NA	*NA	*NA		
12/26/16	*NA	*NA	*NA	*NA		
12/28/16	*NA	*NA	*NA	*NA		1.93
1/3/17	*NA	*NA	*NA	*NA	1.89	1.92

* pH measurements not available (NA) due to winter weather conditions

Mill/SX

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No interruption of pumping reported.

JAN 14 2017

Div of Oil, Gas & Mining

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Incoming
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DEC 28 2016

Div. of Oil, Gas & Mining

Weekly Report Week ending: 12/25/2016

Neutralization of ITDF Pond:

Neutralization of ITDF solution continued thru the week, with CSM receiving **2** truck load(s) of quicklime. To date CSM has received **34**, 42-ton truck loads of lime kiln dust and **11**, 42-ton truck loads of quick lime. (Neutralization of tailings decantate to pH 5.5 is estimated to require a total of **18** truckloads. At the current delivery rate of **1** truck load(s) per week, decantate neutralization is estimated to be completed by approximately **April 23th, 2017**.

During the week, the pumping system operated a total of **159** hours at an average pumping rate of **709** gallons per minute.

Below is an updated table of weekly pH measurements.

Intermediate Tailings Dam Facility Weekly pH				
Date	North	East	South	West
9/6/16	1.28	1.29	1.22	1.29
9/13/16	1.48	1.49	1.50	1.54
9/20/16	1.59	1.59	1.61	1.62
9/27/16	1.57	1.54	1.55	1.58
10/4/16	1.52	1.53	1.59	1.52
10/12/16	1.74	1.67	1.65	1.68
10/18/16	1.88	1.70	1.71	1.72
10/25/16	1.95	1.69	1.68	1.70
11/1/16	2.00	1.73	1.73	1.74
11/8/16	2.12	1.84	1.83	1.83
11/14/16	2.13	1.89	1.87	1.91
11/21/16	2.15	1.90	1.91	1.92
11/29/16	2.06	1.86	1.86	1.87
12/5/16	2.08	1.89	1.93	1.88
12/12/16	2.17	1.93	1.93	1.91
12/19/16	*NA	*NA	*NA	*NA
12/26/16	*NA	*NA	*NA	*NA

* pH measurements not available (NA) due to winter weather conditions (ice-covered pond)

Mill/SX

No interruption of pumping reported.

*Incoming
M/001/0067*

Peter Brinton <peterbrinton@utah.gov>

Update

Leslie Buhler <lbuhler@csmining.com>

Wed, Nov 23, 2016 at 8:29 AM

To: Peter Brinton <peterbrinton@utah.gov>, Edward J Ginouves <eginouve@blm.gov>

Gents,

Below is an update of the neutralization of the ITDF. We have had some problems as we expected with the colder weather setting in. But we are still seeing a rise in the pH. Slowly but surely.

Neutralization of ITDF Pond

Neutralization of ITDF solution continued thru the week, with us receiving 1 truck of quicklime. We are receiving 1 truck a week going forward

Below is an updated table of the pH

ITDF pH					
	Discharge	West	South	East	North
Date	Point 1	Point 2	Point 3	Point 4	Point 5
9/6/16	1.49	1.29	1.22	1.29	1.28
9/13/16	1.62	1.54	1.50	1.49	1.48
9/20/16	1.63	1.62	1.61	1.59	1.59
9/27/16	1.82	1.58	1.55	1.54	1.57
10/4/16	1.51	1.52	1.59	1.53	1.52
10/12/16	1.67	1.68	1.65	1.67	1.74
10/18/16	1.71	1.72	1.71	1.70	1.88
10/25/16	1.71	1.70	1.68	1.69	1.95
11/1/16	1.79	1.74	1.73	1.73	2.00
11/8/16	1.76	1.83	1.83	1.84	2.12
11/14/16	1.76	1.91	1.87	1.89	2.13
11/21/16	1.77	1.92	1.91	1.90	2.15