

Appendix F: Waste Rock Production Summary

Quarterly Waste Rock Production Report



Production Month **January 2016**

<u>Waste Type:</u>	<u>Cover Material</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation:	Kayak				
Placed Location	North Oxide	101,772	0.00%	1.96%	0.03%
Waste Type Subtotal		101,772			
<u>Waste Type:</u>	<u>Most Reactive Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation:	Mixed				
Placed Location	Oxide East	5,444	1.90%	5.20%	0.60%
Placed Location	PAC Dump	17,394	1.90%	5.20%	0.60%
Formation:	Siksikpuk				
Placed Location	Oxide East	54,616	0.10%	6.90%	0.10%
Placed Location	PAC Dump	22,002	0.70%	6.71%	0.21%
Waste Type Subtotal		99,456			
<u>Waste Type:</u>	<u>Other Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation:	Ikalukrok				
Placed Location	Marginal Ore Stockpile	52,738	4.55%	1.21%	2.55%
Placed Location	Oxide East	190,553	2.50%	1.56%	1.40%
Placed Location	PAC Dump	97,132	2.73%	0.98%	1.74%
Placed Location	West Spur Dump	8,153	1.30%	3.48%	0.45%
Formation:	Intrusive				
Placed Location	Oxide East	13,144	0.00%	2.00%	0.00%
Formation:	Kayak				
Placed Location	Oxide East	50,479	1.37%	1.98%	0.95%
Placed Location	PAC Dump	37,404	1.23%	1.92%	0.75%
Placed Location	West Spur Dump	15,074	1.40%	2.00%	1.00%
Formation:	Kivalina				
Placed Location	Oxide East	3,196	2.50%	1.50%	1.50%
Placed Location	West Spur Dump	2,658	2.50%	1.50%	1.50%
Formation:	Siksikpuk				
Placed Location	PAC Dump	13,652	1.47%	4.08%	0.45%
Placed Location	Oxide East	10,590	1.47%	4.08%	0.45%
Waste Type Subtotal		494,773			
Total tonnes for month		696,001			

Production Month February 2016

<u>Waste Type:</u>	<u>Cover Material</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation: Kayak					
Placed Location					
	North Oxide	8,402	0.00%	1.60%	0.10%
Waste Type Subtotal		8,402			
<u>Waste Type:</u>	<u>Most Reactive Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation: Ikalukrok					
Placed Location					
	PAC Dump	20,289	3.53%	3.99%	1.96%
Placed Location					
	West Spur Dump	4,692	3.10%	3.90%	1.90%
Placed Location					
	West Tailings	11,856	3.10%	3.90%	1.90%
Waste Type Subtotal		36,837			
<u>Waste Type:</u>	<u>Other Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation: Ikalukrok					
Placed Location					
	West Spur Dump	126,209	1.32%	2.99%	0.93%
Placed Location					
	Crusher Pad	386	1.50%	1.00%	2.60%
Placed Location					
	Main Dam	3,316	1.50%	1.00%	2.60%
Placed Location					
	Main Pit Dump 3	79	1.50%	1.00%	2.60%
Placed Location					
	Marginal Ore Stockpile	39,213	3.64%	1.26%	2.76%
Placed Location					
	North Bank	942	0.70%	3.70%	0.10%
Placed Location					
	Oxide East	20,599	1.70%	2.04%	1.33%
Placed Location					
	PAC Dump	329,802	1.59%	2.29%	1.34%
Formation: Kayak					
Placed Location					
	PAC Dump	847	1.40%	2.00%	1.00%
Formation: Mixed					
Placed Location					
	Main Pit Dump 3	41,455	0.81%	1.31%	2.49%
Placed Location					
	West Spur Dump	63,111	1.11%	1.03%	3.41%
Formation: Siksikpuk					
Placed Location					
	Oxide East	9,433	0.50%	3.60%	0.10%
Placed Location					
	PAC Dump	80,146	0.41%	3.49%	0.10%
Placed Location					
	West Tailings	78,453	0.27%	2.93%	0.23%
Waste Type Subtotal		793,991			
Total tonnes for month		839,230			

Production Month March 2016

<u>Waste Type:</u>		<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation:	Kivalina				
Placed Location	North Oxide	10,432	0.00%	2.10%	0.00%
Placed Location	North Oxide East	3,675	0.00%	1.80%	0.00%
Waste Type Subtotal		14,107			
<u>Waste Type:</u>	<u>Most Reactive Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation:	Ikalukrok				
Placed Location	Marginal Ore Stockpile	1,767	5.50%	2.90%	3.00%
Placed Location	West Tailings	18,337	3.06%	3.91%	2.35%
Placed Location	West Spur Dump	9,116	3.60%	4.03%	3.39%
Placed Location	Oxide East	13,933	2.90%	3.80%	2.00%
Placed Location	PAC Dump	4,450	2.90%	3.80%	2.00%
Formation:	Mixed				
Placed Location	PAC Dump	1,590	1.99%	4.59%	1.64%
Placed Location	West Tailings	38,528	0.62%	5.65%	0.39%
Formation:	Siksikpuk				
Placed Location	PAC Dump	473	1.70%	5.10%	0.10%
Placed Location	West Spur Dump	700	0.30%	5.90%	0.10%
Placed Location	West Tailings	35,167	1.33%	5.31%	0.10%
Placed Location	Oxide East	15,056	0.30%	5.90%	0.10%
Placed Location	Landfill @MWD	916	0.30%	5.90%	0.10%
Placed Location	Main Dam	477	0.30%	5.90%	0.10%
Waste Type Subtotal		140,510			
<u>Waste Type:</u>	<u>Other Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation:	Ikalukrok				
Placed Location	Main Dam	215	2.10%	2.00%	1.70%
Placed Location	Main Dam	400	0.71%	1.39%	2.46%
Placed Location	Main Pit Dump 3	3,719	0.80%	1.60%	3.70%
Placed Location	Marginal Ore Stockpile	35,789	4.17%	2.12%	3.10%
Placed Location	Oxide East	30,864	2.00%	1.75%	2.21%
Placed Location	PAC Dump	5,562	1.28%	2.82%	1.46%
Placed Location	West Spur Dump	13,250	0.23%	2.29%	0.16%

Placed Location				
West Tailings	102,098	1.08%	1.73%	2.24%
Formation: Kivalina				
Placed Location				
West Spur Dump	2,432	0.50%	1.40%	0.90%
Formation: Mixed				
Placed Location				
PAC Dump	560	2.54%	0.70%	2.99%
Placed Location				
Main Pit Dump 3	101,443	0.71%	1.39%	2.22%
Formation: Siksikpuk				
Placed Location				
West Tailings	179,200	1.46%	2.01%	1.23%
Placed Location				
Main Dam	168	0.90%	1.50%	1.30%
Placed Location				
Main Pit Dump 3	60	1.80%	1.40%	1.40%
Placed Location				
Oxide East	79,054	1.16%	2.58%	1.12%
Placed Location				
PAC Dump	9,312	1.00%	2.80%	0.55%
Placed Location				
West Spur Dump	95	1.44%	2.99%	1.31%
Waste Type Subtotal	564,221			
Total tonnes for month	718,838			

Production Month April 2016

<u>Waste Type:</u>	<u>Construction Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation: Ikalukrok					
Placed Location					
	Crusher Pad	1,354	0.20%	2.40%	0.10%
Waste Type Subtotal		1,354			
<u>Waste Type:</u>	<u>Cover Material</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation: Kivalina					
Placed Location					
	North Oxide	13,058	0.00%	2.10%	0.00%
Waste Type Subtotal		13,058			
<u>Waste Type:</u>	<u>Most Reactive Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation: Ikalukrok					
Placed Location					
	incinerator	523	7.90%	12.10%	4.80%
Placed Location					
	Main Pit Dump 3	865	5.10%	16.40%	1.80%
Placed Location					
	West Spur Dump	8,135	2.83%	3.87%	2.02%
Formation: Siksikpuk					
Placed Location					
	incinerator	152	0.30%	5.90%	0.10%
Placed Location					
	West Tailings	74,452	0.15%	5.68%	0.10%
Placed Location					
	West Spur Dump	29,511	0.30%	5.90%	0.10%
Placed Location					
	PAC Dump	17,125	0.15%	5.68%	0.10%
Placed Location					
	In-Pit Buttress	360	0.10%	5.60%	0.10%
Placed Location					
	Landfill @MWD	3,200	0.30%	5.90%	0.10%
Waste Type Subtotal		134,323			
<u>Waste Type:</u>	<u>Other Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation: Ikalukrok					
Placed Location					
	incinerator	82	2.20%	0.90%	2.20%
Placed Location					
	Main Pit Dump 3	8,187	0.92%	1.31%	0.82%
Placed Location					
	PAC Dump	5,520	1.86%	1.16%	1.84%
Placed Location					
	West Spur Dump	71,812	0.81%	2.33%	0.48%
Placed Location					
	West Tailings	99,478	1.11%	1.64%	1.04%
Formation: Kivalina					
Placed Location					
	Main Pit Dump 3	1,814	0.50%	1.40%	0.90%
Placed Location					
	West Spur Dump	33,013	0.50%	1.40%	0.90%
Placed Location					
	West Tailings	1,985	0.50%	1.40%	0.90%
Formation: Mixed					

Placed Location				
Main Pit Dump 3	108,853	0.73%	1.37%	2.20%
Formation: Okpikruak				
Placed Location				
PAC Dump	1,484	0.10%	0.10%	0.10%
Placed Location				
West Tailings	4,226	0.18%	4.93%	0.42%
Formation: Siksikpuk				
Placed Location				
Main Pit Dump 3	15,678	0.50%	1.40%	0.90%
Placed Location				
PAC Dump	36,091	1.10%	4.30%	0.80%
Placed Location				
West Spur Dump	43,504	0.64%	3.47%	0.60%
Placed Location				
West Tailings	39,342	0.56%	1.75%	0.92%
Placed Location				
incinerator	3,409	0.45%	1.65%	0.81%
Waste Type Subtotal	474,478			
Total tonnes for month	623,213			

Production Month May 2016

<u>Waste Type:</u>	<u>Construction Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation: Ikalukrok					
Placed Location					
	Crusher Pad	1,305	1.66%	1.72%	1.18%
Placed Location					
	Concentrate storage	1,529	2.62%	1.17%	1.88%
Formation: Siksikpuk					
Placed Location					
	Haul Road Maintenance	273	0.00%	3.90%	0.00%
Placed Location					
	North Bank	79	0.00%	3.90%	0.00%
Waste Type Subtotal		3,186			
<u>Waste Type:</u>	<u>Cover Material</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation: Kivalina					
Placed Location					
	North Oxide	20,689	0.00%	2.07%	0.00%
Waste Type Subtotal		20,689			
<u>Waste Type:</u>	<u>Most Reactive Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation: Ikalukrok					
Placed Location					
	Haul Road Maintenance	159	2.50%	4.20%	2.10%
Placed Location					
	incinerator	80,283	1.62%	4.87%	0.59%
Placed Location					
	West Spur Dump	16,227	3.39%	4.18%	0.22%
Formation: Kivalina					
Placed Location					
	incinerator	7,638	2.60%	4.10%	0.20%
Formation: Okpikruak					
Placed Location					
	West Spur Dump	5,847	1.03%	4.92%	0.06%
Placed Location					
	Concentrate storage	1,186	0.30%	5.30%	0.00%
Placed Location					
	incinerator	46,378	0.68%	5.10%	0.03%
Formation: Siksikpuk					
Placed Location					
	incinerator	22,898	0.29%	5.31%	0.00%
Placed Location					
	West Spur Dump	150	0.30%	5.30%	0.00%
Waste Type Subtotal		180,766			
<u>Waste Type:</u>	<u>Other Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation: Ikalukrok					
Placed Location					
	incinerator	282,759	1.98%	1.86%	1.24%
Placed Location					
	Main Pit Dump 2	4,536	2.10%	2.10%	1.00%
Placed Location					
	Main Pit Dump 3	98	2.00%	1.10%	1.60%
Placed Location					
	Main pit dump 4	253	2.10%	2.10%	1.00%
Placed Location					
	West Spur Dump	20,848	2.05%	1.58%	1.35%

Formation: Mixed**Placed Location**

incinerator 9,148 2.87% 2.83% 0.13%

Placed Location

Main Pit Dump 2 914 3.80% 1.10% 1.80%

Placed Location

Main Pit Dump 3 26,362 0.80% 1.30% 2.10%

Placed Location

West Spur Dump 4,979 2.00% 3.00% 1.00%

Formation: Siksikpuk**Placed Location**

West Spur Dump 7,413 0.00% 3.90% 0.00%

Placed Location

West Tailings 2,125 0.00% 3.90% 0.00%

Placed Location

incinerator 121,206 0.63% 3.62% 0.71%

Waste Type Subtotal**480,641****Total tonnes for month****685,282**

Production Month June 2016

<u>Waste Type:</u>	<u>Construction Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation: Ikalukrok					
Placed Location					
	Haul Road Maintenance	193	2.30%	0.80%	1.80%
Waste Type Subtotal		193			
<u>Waste Type:</u>	<u>Cover Material</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation: Kivalina					
Placed Location					
	North Oxide	10,070	0.00%	2.00%	0.00%
Waste Type Subtotal		10,070			
<u>Waste Type:</u>	<u>Most Reactive Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation: Ikalukrok					
Placed Location					
	Cold Storage North	18,428	3.40%	3.70%	0.30%
Placed Location					
	incinerator	3,498	0.60%	5.50%	0.10%
Placed Location					
	Landfill @MWD	804	3.40%	3.70%	0.30%
Placed Location					
	Main Pit Dump 3	7,891	7.10%	23.60%	2.70%
Formation: Mixed					
Placed Location					
	Main Pit Dump 3	1,092	4.50%	18.00%	1.60%
Formation: Siksikpuk					
Placed Location					
	incinerator	10,754	0.10%	5.60%	0.10%
Placed Location					
	Main Pit Dump 2	796	0.10%	5.60%	0.10%
Waste Type Subtotal		43,263			
<u>Waste Type:</u>	<u>Other Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation: Ikalukrok					
Placed Location					
	West Spur Dump	18,490	2.30%	0.80%	2.00%
Placed Location					
	West Tailings	7,996	2.30%	0.80%	2.00%
Placed Location					
	Cold Storage North	116,959	2.46%	1.35%	1.72%
Placed Location					
	incinerator	323,275	2.24%	1.13%	1.74%
Placed Location					
	Main Pit Dump 3	2,028	2.00%	1.10%	1.60%
Formation: Kivalina					
Placed Location					
	incinerator	7,856	0.80%	2.20%	0.70%
Formation: Mixed					
Placed Location					
	Main Pit Dump 3	29,890	0.80%	1.30%	2.10%
Placed Location					
	Main pit dump 4	1,066	3.80%	1.10%	1.80%
Formation: Siksikpuk					
Placed Location					
	incinerator	91,026	1.95%	2.76%	2.36%

Waste Type Subtotal	598,586
Total tonnes for month	652,112

Production Month July 2016

<u>Waste Type:</u>	<u>Cover Material</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation: Kivalina					
Placed Location					
	North Oxide	16,142	0.00%	2.26%	0.09%
Waste Type Subtotal		16,142			
<u>Waste Type:</u>	<u>Most Reactive Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation: Ikalukrok					
Placed Location					
	Main pit dump 4	3,714	3.00%	4.00%	1.00%
Placed Location					
	Main Pit Dump 3	8,515	4.50%	18.00%	1.60%
Placed Location					
	Cold Storage North	2,355	2.50%	4.20%	2.10%
Placed Location					
	Main Pit Dump 2	189	4.50%	18.00%	1.60%
Waste Type Subtotal		14,773			
<u>Waste Type:</u>	<u>Other Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation: Ikalukrok					
Placed Location					
	Oxide East	1,130	1.00%	2.00%	1.00%
Placed Location					
	Main Pit Dump 2	77,995	1.83%	0.96%	1.28%
Placed Location					
	West Spur Dump	716	2.20%	0.90%	1.50%
Placed Location					
	West Hobbit Hut	3,514	2.76%	0.83%	1.87%
Placed Location					
	Portable crusher Pad	7,488	2.90%	1.30%	2.00%
Placed Location					
	Main Pit Dump 3	22,065	1.16%	0.87%	0.94%
Placed Location					
	Back Dam	31,505	2.91%	0.79%	1.90%
Placed Location					
	incinerator	6,722	2.99%	0.80%	1.90%
Placed Location					
	Cold Storage North	190,002	2.10%	1.60%	1.35%
Placed Location					
	Off MPD2	135,487	1.89%	1.02%	1.32%
Formation: Kivalina					
Placed Location					
	Cold Storage North	30,751	1.34%	2.48%	0.70%
Formation: Mixed					
Placed Location					
	Cold Storage North	1,533	2.00%	3.00%	1.00%
Placed Location					
	Main Pit Dump 3	53,889	0.80%	1.30%	2.11%
Placed Location					
	Main pit dump 4	1,284	3.80%	1.10%	1.80%
Placed Location					
	Off MPD2	23,061	0.80%	1.30%	2.10%
Placed Location					
	West Spur Dump	77	0.80%	1.30%	2.10%
Formation: Siksikpuk					

Placed Location				
Off MPD2	7,165	0.30%	2.00%	0.60%
Placed Location				
Back Dam	68,563	0.30%	2.01%	0.60%
Placed Location				
Cold Storage North	108,380	0.75%	2.61%	0.41%
	Waste Type Subtotal			
	771,327			
	Total tonnes for month			
	802,242			

Production Month August 2016

<u>Waste Type:</u>	<u>Cover Material</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation:	Kivalina				
Placed Location	North Oxide	1,762	0.00%	2.15%	0.00%
Formation:	Topsoil				
Placed Location	South Oxide Topsoil	14,667	0.10%	0.10%	0.10%
Waste Type Subtotal		16,429			
<u>Waste Type:</u>	<u>Most Reactive Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation:	Ikalukrok				
Placed Location	Main Pit Dump 3	17,783	2.62%	10.78%	3.27%
Placed Location	Off MPD2	9,159	1.62%	10.10%	2.40%
Placed Location	Portable crusher Pad	2,160	2.50%	4.20%	2.10%
Formation:	Kivalina				
Placed Location	Off MPD2	1,463	4.50%	4.20%	2.10%
Formation:	Mixed				
Placed Location	Main pit dump 4	778	3.00%	4.00%	1.00%
Placed Location	Off MPD2	10,037	3.00%	4.00%	1.00%
Formation:	Siksikpuk				
Placed Location	Cold Storage North	41,746	0.00%	6.60%	0.00%
Placed Location	Main pit dump 4	5,767	0.00%	6.60%	0.00%
Formation:	Topsoil				
Placed Location	Main Pit Dump 3	4,217	3.00%	4.00%	1.00%
Waste Type Subtotal		93,110			
<u>Waste Type:</u>	<u>Other Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation:	Ikalukrok				
Placed Location	Main Pit Dump 3	97,519	0.81%	1.25%	0.89%
Placed Location	Portable crusher Pad	41,646	2.00%	1.03%	1.67%
Placed Location	Main Pit Dump 2	14,861	2.05%	1.97%	1.05%
Placed Location	Landfill @MWD	11,931	1.95%	2.04%	1.76%
Placed Location	Haul Road Maintenance	282	2.80%	0.80%	2.10%
Placed Location	Cold Storage North	94,566	2.23%	2.42%	1.25%
Placed Location	Off MPD2	174,797	0.70%	1.25%	0.71%
Formation:	Kivalina				
Placed Location	Cold Storage North	34,338	1.00%	2.40%	0.60%
Formation:	Mixed				

Placed Location				
Main pit dump 4	287	1.00%	2.00%	1.00%
Formation: Siksikpuk				
Placed Location				
Cold Storage North	119,287	0.34%	4.69%	0.34%
Placed Location				
Haul Road Maintenance	1,177	1.90%	3.60%	2.00%
Placed Location				
Main Pit Dump 2	2,258	0.40%	3.70%	0.10%
Placed Location				
Main Pit Dump 3	39,387	0.30%	3.30%	0.18%
Placed Location				
Off MPD2	77,213	0.46%	3.40%	0.29%
Placed Location				
Portable crusher Pad	9,879	0.40%	3.70%	0.10%
Placed Location				
West Tailings	2,102	0.40%	3.70%	0.10%
Waste Type Subtotal	721,530			
Total tonnes for month	831,069			

Production Month September 2016

<u>Waste Type:</u>	<u>Cover Material</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation: Kivalina					
Placed Location					
	North Oxide	3,460	0.10%	0.20%	0.10%
Waste Type Subtotal		3,460			
<u>Waste Type:</u>	<u>Most Reactive Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation: Ikalukrok					
Placed Location					
	Main Pit Dump 3	6,317	1.20%	5.22%	0.79%
Placed Location					
	Off MPD2	11,237	1.04%	5.22%	0.26%
Formation: Siksikpuk					
Placed Location					
	Landfill @MWD	1,120	0.00%	5.50%	0.00%
Placed Location					
	Main Pit Dump 3	25,198	0.00%	5.50%	0.00%
Placed Location					
	Off MPD2	59,982	0.10%	5.47%	0.05%
Placed Location					
	incinerator	32,022	0.00%	5.50%	0.00%
Waste Type Subtotal		135,876			
<u>Waste Type:</u>	<u>Other Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation: Ikalukrok					
Placed Location					
	Main Pit Dump 2	102	2.20%	1.10%	1.90%
Placed Location					
	Main Pit Dump 3	69,419	1.16%	2.88%	0.75%
Placed Location					
	Main pit dump 4	822	1.30%	3.00%	0.20%
Placed Location					
	Off MPD2	268,183	1.32%	2.51%	0.91%
Placed Location					
	Portable crusher Pad	17,134	2.25%	0.94%	1.95%
Formation: Kivalina					
Placed Location					
	Main Pit Dump 3	9,955	1.00%	1.60%	1.20%
Placed Location					
	Off MPD2	29,682	1.00%	1.60%	1.20%
Formation: Siksikpuk					
Placed Location					
	West Tailings	1,749	0.40%	3.70%	0.10%
Placed Location					
	Main Pit Dump 3	54,642	0.30%	2.18%	0.61%
Placed Location					
	Off MPD2	134,742	0.32%	2.26%	0.64%
Waste Type Subtotal		586,430			
Total tonnes for month		725,766			

Production Month **October 2016**

<u>Waste Type:</u>	<u>Most Reactive Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation:	Ikalukrok				
Placed Location	Main Pit Dump 3	558	4.50%	4.20%	2.10%
Formation:	Mixed				
Placed Location	Main Pit Dump 2	80	3.00%	4.00%	1.00%
Formation:	Siksikpuk				
Placed Location	Landfill @MWD	1,211	0.10%	5.40%	0.00%
Placed Location	Main Pit Dump 3	54,564	0.14%	5.50%	0.08%
Placed Location	Off MPD2	143,253	0.18%	5.60%	0.16%
Waste Type Subtotal		199,666			
<u>Waste Type:</u>	<u>Other Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation:	Ikalukrok				
Placed Location	Main Pit Dump 3	132,124	2.23%	0.96%	1.70%
Placed Location	Off MPD2	79,333	1.66%	1.82%	1.19%
Placed Location	Oxide East	1,877	2.30%	0.90%	1.70%
Formation:	Kivalina				
Placed Location	Main Pit Dump 3	13,015	1.00%	1.60%	1.20%
Formation:	Siksikpuk				
Placed Location	Haul Road Maintenance	2,176	1.00%	1.60%	1.20%
Placed Location	Main Pit Dump 3	62,883	0.31%	2.04%	1.42%
Placed Location	Off MPD2	236,100	0.54%	1.68%	1.62%
Waste Type Subtotal		527,508			
Total tonnes for month		727,174			

Production Month November 2016

<u>Waste Type:</u>	<u>Most Reactive Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation: Ikalukrok					
Placed Location					
	Main Pit Dump 3	1,448	1.40%	5.50%	1.10%
Placed Location					
	Off MPD2	11,865	5.43%	16.11%	1.71%
Formation: Siksikpuk					
Placed Location					
	Main Pit Dump 3	8,852	0.98%	6.05%	1.07%
Placed Location					
	Off MPD2	117,120	0.88%	5.70%	0.89%
Waste Type Subtotal		139,285			
<u>Waste Type:</u>	<u>Other Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation: Ikalukrok					
Placed Location					
	Off MPD2	70,289	1.49%	2.32%	1.10%
Placed Location					
	Main Pit Dump 3	17,989	2.22%	0.94%	1.75%
Formation: Mixed					
Placed Location					
	Main Pit Dump 3	8,818	0.70%	0.70%	2.60%
Placed Location					
	Off MPD2	43,508	0.70%	0.70%	2.60%
Formation: Siksikpuk					
Placed Location					
	Main Pit Dump 3	54,194	1.03%	1.45%	3.30%
Placed Location					
	Off MPD2	224,980	0.92%	1.74%	2.72%
Waste Type Subtotal		419,778			
Total tonnes for month		559,063			

Quarterly Waste Rock Production Report



Production Month **October 2016**

<u>Waste Type:</u>	<u>Most Reactive Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation:	Ikalukrok				
Placed Location	Main Pit Dump 3	558	4.50%	4.20%	2.10%
Formation:	Mixed				
Placed Location	Main Pit Dump 2	80	3.00%	4.00%	1.00%
Formation:	Siksikpuk				
Placed Location	Landfill @MWD	1,211	0.10%	5.40%	0.00%
Placed Location	Main Pit Dump 3	54,564	0.14%	5.50%	0.08%
Placed Location	Off MPD2	143,253	0.18%	5.60%	0.16%
Waste Type Subtotal		199,666			
<u>Waste Type:</u>	<u>Other Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation:	Ikalukrok				
Placed Location	Main Pit Dump 3	132,124	2.23%	0.96%	1.70%
Placed Location	Off MPD2	79,333	1.66%	1.82%	1.19%
Placed Location	Oxide East	1,877	2.30%	0.90%	1.70%
Formation:	Kivalina				
Placed Location	Main Pit Dump 3	13,015	1.00%	1.60%	1.20%
Formation:	Siksikpuk				
Placed Location	Haul Road Maintenance	2,176	1.00%	1.60%	1.20%
Placed Location	Main Pit Dump 3	62,883	0.31%	2.04%	1.42%
Placed Location	Off MPD2	236,100	0.54%	1.68%	1.62%
Waste Type Subtotal		527,508			
Total tonnes for month		727,174			

Production Month November 2016

<u>Waste Type:</u>	<u>Most Reactive Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation: Ikalukrok					
Placed Location					
	Off MPD2	11,865	5.43%	16.11%	1.71%
Placed Location					
	Main Pit Dump 3	1,448	1.40%	5.50%	1.10%
Formation: Siksikpuk					
Placed Location					
	Off MPD2	117,120	0.88%	5.70%	0.89%
Placed Location					
	Main Pit Dump 3	8,852	0.98%	6.05%	1.07%
Waste Type Subtotal		139,285			
<u>Waste Type:</u>	<u>Other Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation: Ikalukrok					
Placed Location					
	Main Pit Dump 3	17,989	2.22%	0.94%	1.75%
Placed Location					
	Off MPD2	70,289	1.49%	2.32%	1.10%
Formation: Mixed					
Placed Location					
	Main Pit Dump 3	8,818	0.70%	0.70%	2.60%
Placed Location					
	Off MPD2	43,508	0.70%	0.70%	2.60%
Formation: Siksikpuk					
Placed Location					
	Main Pit Dump 3	54,194	1.03%	1.45%	3.30%
Placed Location					
	Off MPD2	224,980	0.92%	1.74%	2.72%
Waste Type Subtotal		419,778			
Total tonnes for month		559,063			

Production Month December 2016

<u>Waste Type:</u>	<u>Most Reactive Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation:	Ikalukrok				
Placed Location					
Main Pit Dump 3		3,810	2.49%	4.91%	2.51%
Placed Location					
Off MPD2		87,763	3.96%	4.59%	3.17%
Waste Type Subtotal		91,573			
<u>Waste Type:</u>	<u>Other Waste</u>	<u>Tonnes</u>	<u>Avg Zn%</u>	<u>Avg Fe%</u>	<u>Avg Pb%</u>
Formation:	Ikalukrok				
Placed Location					
Main Pit Dump 3		19,116	2.05%	1.05%	1.65%
Placed Location					
Off MPD2		143,107	1.92%	1.93%	1.37%
Formation:	Mixed				
Placed Location					
Main Pit Dump 3		6,792	0.70%	0.70%	2.60%
Placed Location					
Off MPD2		25,196	0.70%	0.70%	2.60%
Formation:	Siksikpuk				
Placed Location					
Off MPD2		134,447	0.81%	2.21%	1.93%
Placed Location					
Main Pit Dump 3		18,530	0.78%	1.92%	1.72%
Waste Type Subtotal		347,188			
Total tonnes for month		438,761			

Total Waste Rock tonnes for period 1,724,998
