

## Canadian Natural and Quinn Contracting Dashboard MGSA # 810354-1 - Supplement 3

## Q1 2018

Review held on March 22, 2018



	231,066 843	210,544				Leading Indicator 2015 2016 2017 Jan 2018 Feb 2018 Key Notes - Leading						sure Houi		OT Exposure Hours		
Safety Meetings Work Site Inspections Pre-Task Analysis Cards	843		214,425	18,795	18,789			9	250				_	ı		•
Work Site Inspections Pre-Task Analysis Cards		935	1,267	109	123				250 -				į			2,500
Pre-Task Analysis Cards	15	15	18	1	1	Work curre	ently being do	ano to fully							an + Feb =	November - 12%
	289	265	336	63	16		ion to metal-	•	200 -					37	,584:	2,000 - OT hours
Pre-job Toolbox Meetings	7,770	6,373	5,982	439	436		parts (currer		رم ا					Diffo	rence to	2 drop:
, ,	1,828	1,606	1,829	178	108	ocan oranig	pa. 15 (5a. 1 c.	, 40 5570,	j 150 -						partly due	Turnaround
BBSO	2,243	1,946	2,033	260	250				<b>Ĭ</b>						vertime.	related - 8%
Near Hit/Near miss	2	16	6	1	1				ν			2017 In	ın + Feb =	See "(	Overtime	50 1 200
Lagging Indicator	2015	2016	2017	Jan 2018	Fab 2010	Van	Notes Lagr	-1	<b>)</b> 100 -			l l	.,721		rs" notes	8 1,000 - 6%
Lagging Indicator  TRIF - Quinn Staff	0	<b>2016</b> 0	<b>2017</b>	0 0	<b>Feb 2018</b>	Key Notes - Lagging		4 -						below	10/	
TRIF - Subcontractors	0	0	0	0	0		ehicle Incider		50 -				-\ ¦			500
Lost Time Incidents	0	0	0	0	0		e-swiped nea	•				i /	1			- 2%
Recordable Medical Aid	0	0	0	0	0		optimization		l <sub>0-</sub>							
First Aid	3	2	7	1	0	•	our reductio	•	ľ	2015 20	1.6 2.0	17   lan 17	   Fab 17	]   Ion 10	Cab 10	0 +
Vehicle Incidents	1	2	6	1	0		ed by team ( o aid in redu			2015 20	16 20	17 Jan-17	Feb-17	Jan-18	Feb-18	Oct-17 Nov-17 Dec-17 Jan-18 Feb-18
Modified Work	0	0	0	0	0		o alu ili redui oposure hour					Staff ■ Sub				Maint. TA Maint. Scaff. TA Scaff. OT
Environmental Events	2	1	1	0	0		tposare nour									
Operational Performanc	Operational Performance Continuous Improvement & Value Opportunities												Value Improvement			
Measure	Target	2015	2016	2017	Jan 2017	Feb 2017	Jan 2018	Feb 2018		Initiative		Measure	Savings (	Goal	Status	\$30 ]
Rework <	<\$10,000 / year / unit	\$2,715	\$3,126	\$2,487	\$0	\$0	\$0	\$0	,	ance from using a G atural Skid Steer	Canadian	Rental Cost Avoided	\$24k per	Year	Delivered	\$25 - 2018 Goal: Annual Value Improvement = 5% of Spend 5% x \$15 M = \$0.75 M
NURS	<10 / year / operating unit	7	3	5	0	0	0	0	2) Vehicle o	ost & Safety Optim	nization #	of vehicles & km's driven	Estimated:	\$0.5M	In Progress	<b>Q</b> \$20 - 5% x \$15 M = \$0.75 M
Repair Rate	<3% All Weld Counts	No Data	No Data	1.28%	0.74%	2.21%	1.52%	5.26%	3) 7 x7 S	chedule Optimizat	tion	Less OT - lower labour cost	Estimated:	ed: \$0.5M In Progress	In Progress	Over \$1M CAD in Value Improvement Pipeline for 2018
Total Welds	# of Welds (Actual)	No Data	No Data	1,168	136	181	66	95	4) Sca	folding optimization	on	Reduce break-in	TBD	)	In Progress	\$5 \$0
i otai kepairs	# of Repairs (Actual)	No Data	No Data	15	1	4	1	5	5) Indirect labour / Site Manager Labour role optimiization		Improved value delivery	TBD	1	In Progress	2017 Jan-18 Feb-18 Mar-18 Apr-18 May-18 Jun-18 Jul-18 Aug-18	
Packages: Signed off by Quinn/In CNRL Review	TBD	313	399	1,275	4	17	4	19	6) QC Pac	age process streami	inling	Time spent	TBD	)	In Progress	■ Cost Avoidance ■ Cost Savings
Packages: In Review by Quinn	TBD	27	16	92	0	0	0	2								10 110
Packages: Completed and Scanned	TBD	225	304	714	0	0	5	19		Ann	nual Spe	end - All W	oit Lake			Annual Spend - by Segment
vertime Drivers								\$18 2016 to '17 spend increase partly due to						\$14.0		
- Material & equipment availab	Material & equipment availability/ Operations delays								\$16	\$17	bi-annual (	OTSG maintenance	\$15	į		\$12.0 - \$12
Emergent /as found work. Schedule conflicts/ simultaneous operations conflict.											514	\$13	į			
Inclement weather.  Manpower shortage. 3 shift cycles.									\$14 - \$12 -							\$10.0 - \$8
anadian Natural Operational Feedback / Updates								<b>8</b> \$10							<b>≥</b> \$6.0 -	
- Spring Wolf Lake Turnaround set to begin first week of April								Σ \$8 -							<b>∽</b>	
Spib Won Lake Familiaround	oct to begin	st week 0							S							\$2 \$3
Quinn Natural Operational Feedback / Updates									\$6 - \$4 -							\$2.0 \$0.9 \$0.1
- Quinn Natural Operational Feedback / Opuates - Quinn has reached 4 years without a recordable injury: over 1 million hours														\$2	2015 2016 2017 2018 YTD Jan +	
Chuinn has reached A years wit			y. Over I IIIII	non nours					\$2 -			· ·		1.0		2010 2017 2010 110 3011
<ul> <li>Quinn has reached 4 years wit</li> <li>Non-Productive KPI exercise b</li> </ul>	being worke	d on - will he	elp identify a	reas of impr	ovement opp	ortunity			\$0 +							Feb