



Health & Safety Management System Form:
Quarterly Health & Safety Statistics Report

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Monitor:
Director, Health, Safety & Environment

Form #:
12.2

Fiscal 2015	Quarter 4 (Jan. to Mar. 2015)	Report date: May 05, 2015
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1	Comments
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2014 average annual accident severity rates:

- Comparable Canadian Electricity Association utilities: 18.54
- Quilliq Energy: 3.8
- NTPC: 8.96

2	Definitions
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Exposure Hours

The number of hours worked by NTPC workers. Does not include leave or training.

First Aid Injury

A workplace injury/illness that requires first aid treatment only, whether applied by a first aider or health care provider, and does not result in lost days.

Lost Time Injury

Any workplace injury/illness resulting in lost days beyond the date of injury.

Medical Treatment Injury

An injury of moderate severity that requires treatment beyond first aid from a health care provider, but does not result in lost days.

Recordable Injury

Any workplace injury/illness resulting in a fatality, lost time injury, medical treatment injury, restricted work, significant occupational injury/illness, or loss of consciousness. Does not include first aid injuries.

Restricted Work Injury

Any workplace injury/illness resulting in the modification of the injured worker's duties as prescribed by a health care provider in order to accommodate recovery from the injury.

Frequency Rate

Number of incidents per 200,000 exposure hours.

Reasonable Potential for Harm (RPH)

A generic risk analysis concept in which the potential reasonable consequences of an incident are ranked as high (serious injury/fatality), medium (medical treatment injury), or low (first aid injury).

Severity Rate

Number of days per 200,000 exposure hours.



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3 Injury Statistics (including Contractors)											
Period	Exposure Hours	First Aid Injuries	Recordable Injuries				Restricted Work Injuries		Lost Time Injuries		
			Lost Time	Restricted Work	Medical Treatment	Frequency Rate	Days	Severity Rate	Days	Frequency Rate	Severity Rate
Q1	94,822	0	0	3	0	6.33	8	16.87	0	0	0
Q2	115,166	0	2	0	0	3.47	24	41.68	5	3.47	8.68
Q3	112,976	0	3	0	0	5.31	42	74.35	8	5.31	14.16
Q4	114072	0	4	0	0	7.01	51	89.42	24	7.01	42.08
2015	437,036	0	9	3	0	5.49	125	57.2	37	4.12	16.93

4 Injury Type																	
Period	Bite, sting	Bodily reaction	Caught in, between	Electrical energy	Chemicals, noise, toxics	Extreme Temperatures	Fall from > 3 m	Fall from < 3 m	Fall at same level	Overexertion	Repetitive strain	Rub, scrape, abrade	Struck against	Struck by	Vehicle incident	Other	Total
Q1	0	0	0	0	0	1	0	0	2	3	1	0	1	1	0	1	10
Q2	0	0	1	0	0	0	0	0	1	1	1	1	0	1	0	0	6
Q3	0	0	0	0	0	0	0	0	1	3	1	0	0	1	0	0	6
Q4	0	1	0	0	0	0	0	0	2	0	2	1	0	0	1	0	7
2015	0	1	1	0	0	1	0	0	6	7	5	2	1	3	1	1	29



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5 Incident Type																			
Period	Communications	Electrical Energy	Environmental	Fire	Illness	Injury Other	Maintenance	Near Miss	Outage	PPE	Procedures	Property Damage	Regulations	Slip, Trip, Fall	Vehicle	Violence	Work Protection	Other	Total
Q1	0	6	4	0	0	7	0	2	0	0	0	4	0	2	1	0	0	2	28
Q2	0	3	2	0	0	4	0	2	0	0	0	5	0	2	8	1	2	0	29
Q3	0	0	13	0	0	5	1	2	1	0	0	2	0	1	7	1	0	1	34
Q4	0	3	6	2	1	4	0	2	0	0	1	5	0	2	4	0	0	1	31
2015	0	12	25	2	1	20	1	8	1	0	1	16	0	7	20	2	2	4	92



6 Concern Report Summary						
Period	#	Date	Location	Description	Resolution	Response
Q1	1	4/11/14	Snare Hydro	Dam leak eroding Rapids foundation	Civil contractor to plug leak	7/31/14
	2	4/28/14	Yellowknife	K-Plant breaker not remotely operable	SOP, redesign and replace equipment	5/07/14
	3	4/28/14	NTPC	PLT apprentice training procedures	Create course outline, send for training	5/19/14
	4	4/28/14	NTPC	No expiry date on grounds	Tag cables, create SWP	5/15/14
	5	4/29/14	Hay River	Warehouse step loose	Secure step	4/30/14
	6	5/14/14	Bluefish	Transmission line protection	Upgrade Bluefish line relaying	5/25/14
	7	5/27/14	Snare Hydro	Firearm replacement	Repair or replace gun, review regulations	7/28/14
	8	6/11/14	Hay River	Warehouse forklift exhaust	Replace forklift, use exhaust fans	7/14/14
	9	6/12/14	Thermal	Personal protective grounds	Order tester, order & install parts	6/12/14
	10	6/18/14	Yellowknife	Electrical shop insulation	Repair and insulate shop	7/14/14
Q2	1	7/14/14	Snare Hydro	5B spillway line jumpered	Remove jumpers, update Single Line	7/14/14
	2	7/21/14	Inuvik	Control room operation after hours	Re-key room, operators log in	7/21/14
	3	7/29/14	Behchoko	Damaged Smiley Lake structure	Repair support brace	2/17/15
	4	8/14/14	Inuvik	Fall arrest tie off points	Involve Engineering	8/14/14
	5	9/02/14	Dettah	Possible third party line contact	DOT to notify NTPC when brushing	9/03/14
	6	9/04/14	Snare Hydro	Poor airstrip garage housekeeping	Weekly cleaning by contractor	9/06/14
	7	9/04/14	Snare Hydro	Cooks need First Aid training	Cooks had training, certificate posted	9/06/14
	8	9/11/14	Tulita	Customer service concerns	After hours phone #, training course	2/16/15
	9	9/17/14	Yellowknife	Contractors not notifying Operators	Report to Operators when onsite	10/24/14
Q3	1	10/08/14	Yellowknife	Breaker closes on its own	Test breaker operation	10/9/14



6 Concern Report Summary						
Period	#	Date	Location	Description	Resolution	Response
	2	10/14/14	Yellowknife	Muster point procedures	Notify staff of procedures, hold fire drill	10/24/14
	3	10/25/14	Yellowknife	Relays removed from breaker	In progress	
	4	12/05/14	Fort Smith	Improper overhead door installation	Lock out and repair door	1/20/15
	5	12/15/14	Inuvik	Frayed block heater cord on truck	Repair cord	1/19/15
	6	12/18/14	Deline	Limits of approach breach - 3rd party	Educate community	1/13/15
	7	12/18/14	Fort Smith	WP definition of local plant	Correct wording in WP element	2/17/15
	8	12/18/14	Fort Smith	Equipment Access Permit wording	Review and improve wording in element	2/17/15
	9	12/18/14	Fort Smith	WP permit requirements	Improve WP training package	2/17/15
	10	12/19/14	Fort Smith	WP training for System Operators	Ensure all System Operators are trained	2/17/15
	Q4	1	2/27/15	Tsiigehtchic	Exhaust Leak	Tighten clamp; service at 10K
2		3/16/15	Fort Smith	Is life-saving rules contract legally binding	Explain intent of rules, not legally binding	3/16/15
3		3/18/15	Ft. Resolution	Issuing authority for devices	Update form 14.03.7: IA Controls Index	3/21/15
4		3/20/15	Yellowknife	Oil-soaked generators	In progress	
5		3/25/15	Hay River	Computer monitors too small	Provide larger monitors	3/25/15
6		3/25/15	Hay River	Head Office air quality	Balance air flow	5/5/15
7		3/30/15	Hay River	Tripping hazard in stairwell	Tripping hazard removed	3/30/15
8		3/30/15	Snare Hydro	Switches opened, not tagged, WP missing	In progress	

7.1 Q1 Incident Report Summary					
#	Date	Location	Description	RPH	Type
1	4/04/14	Yellowknife	Damaged Monitor	L	Property Damage
2	4/04/14	Tuktoyaktuk	Damaged Truck Bumper	L	Property Damage
3	4/08/14	Hay River	Slip & Fall	M	Slip/Trip/Fall
4	4/10/14	Inuvik	Meter Base Hotwired	L	Electrical Energy
5	4/14/14	Inuvik	Ice Fall from Roof	M	Near Miss
6	4/14/14	Yellowknife	Plane Flat Tire	L	Vehicle
7	4/15/14	Wrigley	Burned Hand on Exhaust	L	Injury Other
8	4/22/14	Snare	Slip & Fall	M	Slip/Trip/Fall
9	4/23/14	Fort Simpson	Fuel Spill	M	Environmental
10	4/23/14	Yellowknife	Arc Flash	L	Electrical Energy
11	4/24/14	Hay River	Toaster Failure	L	Property Damage
12	4/24/14	Inuvik	Pulled Muscle	L	Injury Other
13	5/02/14	Tsiigehtchic	Oil Sheen	L	Environmental
14	5/05/14	Colville Lake	Line Hooked, Pole Broken	H	Electrical Energy
15	5/14/14	Bluefish	Energized Line Down	H	Electrical Energy
16	5/21/14	Inuvik	Mould in Plant	L	Other
17	5/22/14	Taltson	Bear Encounter	M	Near Miss
18	5/23/14	Inuvik	Exposure to Mould	L	Other
19	6/03/14	Ulukhaktok	Elbow Bump	L	Injury Other
20	6/06/14	Nahanni Butte	Leaning Pole	L	Property Damage
21	6/13/14	Inuvik	Muscle Strain	L	Injury Other
22	6/15/14	Inuvik	LNG Site Glycol Spill	M	Environmental
23	6/17/14	Inuvik	Propylene Glycol Spill	M	Environmental
24	6/18/14	Fort Simpson	Back Injury	L	Injury Other
25	6/21/14	Norman Wells	Pole Fire	L	Electrical Energy
26	6/23/14	Nahanni Butte	3rd Party Line Contact	H	Electrical Energy
27	6/26/14	Hay River	Neck Pain	L	Injury Other

7.1 Q1 Incident Report Summary					
#	Date	Location	Description	RPH	Type
28	6/27/14	Fort Simpson	Debris in Eye	L	Injury Other

*Contractor incidents are shaded orange, public incidents are shaded blue.

7.2 Q2 Incident Report Summary					
#	Date	Location	Description	RPH	Type
1	7/03/14	Fort Simpson	Threats from Customer	L	Violence
2	7/06/14	Inuvik	Collision with Pole	H	Vehicle
3	7/10/14	Fort Smith	Work Protection	H	Electrical Energy
4	7/14/14	Fort Liard	Broken Truck Mirror	L	Property Damage
5	7/15/14	Wrigley	Tree Broke Line	L	Property Damage
6	7/21/14	Sachs Harbour	Twisted Knee	L	Slip/Trip/Fall
7	7/23/14	Fort Liard	Truck Damage	L	Vehicle
8	7/24/14	Fort Smith	Disabled Recloser	L	Work Protection
9	7/29/14	Behchoko	Glycol Spill - 8 L	L	Environmental
10	7/30/14	Fort Simpson	Material Fell from Truck	L	Property Damage
11	7/31/14	Tulita	Fallen Fan Blade	L	Property Damage
12	8/01/14	Norman Wells	NWTEL Shock	H	Near Miss
13	8/06/14	Snare	Twisted Ankle	M	Slip/Trip/Fall
14	8/06/14	Aklavik	Glycol Spill - 100 L	L	Environmental
15	8/13/14	Fort Simpson	Vehicle Hit Pole	L	Vehicle
16	8/14/14	Norman Wells	Debris in Eye	L	Injury Other
17	8/14/14	Yellowknife	Hand Caught	M	Injury Other
18	8/14/14	Pine Point	Substation Grounds	H	Work Protection
19	8/15/14	Hay River	BBQ Fell from Truck	M	Vehicle
20	8/18/14	Fort Smith	Vehicle Hit Buffalo	H	Vehicle
21	8/21/14	Fort McPherson	Quad Hit Vehicle	M	Vehicle
22	9/04/14	Dettah	Blasting Outage	H	Electrical Energy

7.2 Q2 Incident Report Summary					
#	Date	Location	Description	RPH	Type
23	9/05/14	Yellowknife	Handgun in Apartment	H	Near Miss
24	9/09/14	Fort Liard	Broken Pole	H	Vehicle
25	9/10/14	Gameti	Unauthorized Electrical Work	H	Electrical Energy
26	9/17/14	Yellowknife	Hand Pinched	L	Injury Other
27	9/23/14	Yellowknife	Compressors Overheated	M	Property Damage
28	9/23/14	Fort Resolution	Vehicle Reversing	L	Vehicle
29	9/25/14	Lutsel K'e	Back Strain while Lifting	L	Injury Other

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7.3 Q3 Incident Report Summary					
#	Date	Location	Description	RPH	Type
1	10/07/14	Tulita	Muscle Strain	L	Injury Other
2	10/10/14	Inuvik	Fuel Spill - 40 L	L	Environmental
3	10/12/14	Gameti	Battery Explosion	M	Property Damage
4	10/14/14	Inuvik	Glycol Spill - 100 L	L	Environmental
5	10/15/14	Hay River	Bobcat Tipped Over	M	Vehicle
6	10/16/14	Yellowknife	Glycol Spill - 5 L	L	Environmental
7	10/18/14	Gameti	Glycol Spill - 10 L	L	Environmental
8	10/21/14	Fort Smith	Vehicle Hit Grouse	L	Vehicle
9	10/23/14	Inuvik	Vehicle Damage	L	Vehicle
10	10/23/14	Inuvik	Potential Asbestos	L	Near Miss
11	10/31/14	Fort Smith	Oil Spill (190 L)	L	Environmental
12	10/31/14	Yellowknife	Coolant Spill (200 L)	L	Environmental
13	11/01/14	Inuvik	Debris in Eye	M	Injury Other
14	11/06/14	Hay River	Slip & Fall	L	Slip/Trip/Fall
15	11/07/14	Tulita	Back Strain	L	Injury Other
16	11/07/14	Fort Liard	Back Strain	L	Injury Other

7.3 Q3 Incident Report Summary					
#	Date	Location	Description	RPH	Type
17	11/16/14	Gameti	Glycol Spill (10 L)	L	Environmental
18	11/19/14	Inuvik	Glycol Spill (50 L)	L	Environmental
19	11/21/14	Inuvik	LNG Release	L	Environmental
20	11/23/14	Inuvik	LNG Release	L	Environmental
21	11/24/14	Gameti	Glycol Spill (75 L)	L	Environmental
22	11/24/14	Behchoko	Feeder Trip	L	Outage
23	11/27/14	Whati	Injured Shoulder	L	Injury Other
24	12/01/14	Yellowknife	Employee Harassment	L	Violence
25	12/01/14	Jean Marie	Truck Stuck	L	Vehicle
26	12/08/14	Yellowknife	Fuel Spill (5 L)	L	Environmental
27	12/09/14	Tulita	Tank Overfill Near Miss	L	Near Miss
28	12/17/14	Tuktoyaktuk	Meter Burnout	L	Maintenance
29	12/17/14	Hay River	Buffalo Engine Failure	H	Vehicle
30	12/20/14	Inuvik	LNG Gates Left Open	L	Other
31	12/23/14	Inuvik	LNG Transfer Leak	L	Environmental
32	12/29/14	Paulatuk	Loader Damaged Truck	L	Vehicle
33	12/29/14	Fort Liard	Truck Hit Grouse	L	Vehicle
34	12/29/14	Norman Wells	Pole Knocked Down	H	Property Damage

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7.4 Q4 Incident Report Summary					
#	Date	Location	Description	RPH	Type
1	1/1/15	Inuvik	LNG Spill - 35 L	L	Environmental
2	1/7/15	Hay River	Ankle Sprain	M	Slip/Trip/Fall
3	1/14/15	Yellowknife	Fuel Spill - 185 L	L	Environmental
4	1/25/15	Fort McPherson	Oil Pan Heater Failure	L	Fire
5	1/26/15	Hay River	Worker to Hospital	M	Illness

7.4 Q4 Incident Report Summary					
#	Date	Location	Description	RPH	Type
6	1/26/15	Inuvik	Back Injury	L	Injury Other
7	1/26/15	Fort McPherson	Glycol Spill - 265 L	L	Environmental
8	2/1/15	Fort McPherson	Glycol Spill - 20 L	L	Environmental
9	2/2/15	Nahanni Butte	Grader Damaged Pole	L	Property Damage
10	2/4/15	Paulatuk	Vehicle Door Damage	L	Property Damage
11	2/6/15	Tulita	Trailer Freeze Up	L	Property Damage
12	2/9/15	Behchoko	Vehicle Crash	H	Vehicle
13	2/9/15	Snare	Isolated Travel	M	Procedures
14	2/10/15	Nahanni Butte	Battery Explosion	M	Property Damage
15	2/13/15	Fort Simpson	Back Injury	L	Injury Other
16	2/20/15	Norman Wells	3rd Party Line Contact	M	Electrical Energy
17	2/23/15	Yellowknife	Arc Flash	M	Electrical Energy
18	2/24/15	Gameti	Intoxicated Person	L	Other
19	2/25/15	Fort McPherson	Fuse Trip	L	Electrical Energy
20	3/1/15	Tsiigehtchic	Tower Fell	L	Near Miss
21	3/3/15	Inuvik	Ceiling Fan Fell	M	Near Miss
22	3/9/15	Hay River	Personal Vehicle Damage	M	Vehicle
23	3/10/15	Snare	Back Strain	L	Injury Other
24	3/13/15	Yellowknife	Transformer Fire	H	Property Damage
25	3/17/15	Fort McPherson	Glycol Spill - 30 L	L	Environmental
26	3/18/15	Tsiigehtchic	Vehicle Near Miss	L	Vehicle
27	3/20/15	Fort Smith	Arm Scratched on Pipe	L	Injury Other
28	3/24/15	Inuvik	Office Glycol Leak	L	Environmental
29	3/24/15	Snare	Snare Snow Clearing	L	Vehicle
30	3/30/15	Yellowknife	Vehicle Fire	M	Fire
31	3/30/15	Yellowknife	Slip & Fall	L	Slip/Trip/Fall

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