APPENDIX 'G'

MANITOBA HYDRO JOB PLAN-ENGINEERING AND CONSTRUCTION



JOB PLAN - ENGINEERING & CONSTRUCTION Underground Construction - Winnipeg

1. EMERGENCY RESPONSE PLAN Identify exact location for emergency response: En						Emergancy phone numbers: Dispatch - Daytime Local CSC												
						Δ						Dispatch - Daytime - Local CSC After hours - Electric 204-360-2006 Radio #031						
						911 						,,			- Gas			99 Radio #030
						204-360-1				74 0007			007	Blov	ving G	as - W	pg. 20	4-480-5900
How will you exec	cute a re	scue?				SCC: 20		369,	204-4	74-3007	, 20)4-4/4-33	327	Blov	ving G	as - Ru	ıral 1-	888-624-9376
,						VHF: 040 Spill Res _l		o /⊑9	ما ۱۵۰	ff Break	ω.	- 204-87	1_200	13				
						opiii Kesi	ponse n	0./٢٥	30. 30	ii Dicak	cy .	- 204-07	1-200	,5				
INSTRUCTION	: Prepa	re. discı	uss an	d review	the io	b plan v	vith the	cre	ew da	ilv and	wł	nenever	r a c	hang	e is i	ntrodu	ced to	the job.
2. CURRENT DATE CURRENT DATE CU				Work C	order no	. Description										1		
CSC and Radio Channel Line or feeder Blocked					Upstrea	Upstream protect			ctive device Blocking red			eived from Time Phon				Phone	e no.	
				Yes	No													
3. HAZARD ID	ENTIFI	CATION	LIST	1														
1. M echanical		OATION		lectricity				3 (G ravity				T	<u>4 Δn</u>	nlicah	ما		
				ontact l				3.1 Falling from a height			4. A pplicable 4.1 Vehicular							
1.1 Equipment failure				2.2 Live c					3.2 Falling objects			4.2 Kenetic						
1.2 Lifting with a boom 2.				2.3 Induct	Induction/backfeed HV								4.3 Thermal					
1.3 Max work	c loads			2.4 Induct			feed LV 3.3			3 Falling structures				4.4 Chemical				
1.4 Vehicle s	1.4 Vehicle stability 2.5 Static charge					3.4			4 Rigging failure				4.5 Confined Space					
1.5 Moving p	1.5 Moving parts/Sharp objects 2.6 Step potential					3.5			5 Working over water				4.6 Excavations4.7 Vehicle or pedestrian traffic					
1.6 Tension I	2.7 ARC Flash pote												4.7		•			
		3		2.8 Clothir FRC re	ng igniti equired	on nazar	n hazard/							4.8		-	d Utilitie	S
				2.9 Locko										4.9		er, speci	-	
															4.9.1	<u> </u>		
Hand contact:	Hand contact: Incident energy -				ARC fla	ARC flash boundary -					ARC Flash PPE Level -							
Hot stick Work:	Hot stick Work: Incident energy -				ARC flash boundary -				. <i>P</i>				ARC Flash PPE Level -					
											F	PPE: Minin	num F	Hard H	at and	Safety Fo	otwear	
4. JOB STEPS				MAJOR HAZARD								mum Hard Hat and Safety Footwear ALL OTHER REQUIRED PPE including eyewear.				LO/TO)		
						117			DAI	(I (ILI (C	F	RC:	Yes	s 🗌	No			(LO/10)
	REV	/IEWED B	Y			DAT yyyy mr												

5. HAVE WE CONSIDERED (It is critical that we make note of any changes that may occur during the work cycle)										
People	Procedures	Hardware/Equ	ipment	Environmer	nt	Workers Affect on Environment				
Qualification of personnel	Limits of approach	Inspection	of equipment	Environ	ment checklist	Cause erosion				
Other work groups/	De-energize/Isolati of apparatus Safety hold off/	Inspection	of tools & PPE		round locates	Release/spills (liquids/gases/solids)				
Effective	Blocking required	Inspection	of vehicles		er conditions	Waste disposal liquids/solids)				
Communication	Switching orders		of structures][nditions/Shoring	Noise				
Worker fatigue	Adequate cover-up	III I Sate loade	for rigging		g conditions nt structures/	Fire				
Pedestrian control	vehicles Work permit/	Adequate	cover-up	Vegeta	tion	Species at risk (plant				
General public	Clearance to work	Specialized		Housek	reeping	☐ and animal) "				
Traffic control	Permit checklists (confined space, etc.) Review rescue pro	c.) up-to-date	.csicu u	☐ procedu		Disturbing waterways/ drainage/wetlands/ burial grounds				
Safety watcher	Spiking/Stethoscop			Upen e Trench	xcavations/	Wildlife Habitat				
	Cut Hazards/Cut R	-		Distract	tions and tions	Bio Security				
WH	│ └── Gloves IAT ARE THE CHANGES	 S?			L THIS AFFECT	,				
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	·		11011 1112		TOOK WORK.				
6. HUMAN ERROR REI	DUCTION TOOLS (Co	onsider which HER T	ools you need	l to safely e	execute task or	· Critical Steps)				
Stop When Unsure / Stop when unclear on tas	-	Procedure Use ar			Self Check S Stop / Think / Ad					
Questioning Attitude)	Effective Commu	-		•					
Identify confusion / doubt	/ uncertainty	Send message / para	phrase back / ackno	owledge						
7. PERSONS WORKIN	G ON THE JOB									
Designated person in charge		Crew cell	Designated person in charge	rae		yyyy mm dd				
(Print Name):		0.:	(Signature):			Date:				
Print Full Names and cla	assification of crew									
members:										
yyyy mm dd		Initial/Si	gn off for Tailboa	ard Discussio	n					
8. OTHER CREWS AND		Multi-crew job coordinator				Cell				
Be aware of all work crev		SON IN CHARGE		phone: HOW WILL THEIR JOB AFFECT YOURS						
WHAT OTHER CREWS AF	RE ON SITE PER	SON IN CHARGE		HOW WILL	L THEIR JUB AFF	-ECT TOURS				
	<u>'</u>		•							
Any visitors to your site s	shall read and sign you									
WORKSITE V	ISITOR SIGN OFF	DATE yyyy mm dd	W	ORKSITE VI	ISITOR SIGN OF	DATE yyyy mm d				
			+							