APPENDIX 'J' MANITOBA HYDRO JOB PLAN



JOB PLAN - ENGINEERING & CONSTRUCTION Underground Construction - Winnipeg

1. EMERGENCY RE	ECDONICE DI	ΛN					
			Emergency phor	ne numbers			
9 2d S How will you execute a rescue?			911 204-360-HELP (4 SCC: 204-474-33 VHF: 040	357) 369, 204-47 <i>4</i>	4-3007, 204-474-3		
		;	Spill Response no	o./FSO: Jeff	Breakey - 204-87	71-2003	
INOTOLICTICS		and and the state of the					La de 12
****		<u>iss and review the jol</u> Project name	b plan with the Work Order no.			r a change is introduced	d to the job.
2. DATE			,				
CSC and Radio Chan	nnel Line or fee	eder Blocked Yes No		ective device	Blocking receive	d from Time Ph	none no.
3. HAZARD IDENT	TIFICATION I						
1. Mechanical	III IOATION L	2. E lectricity		3. G ravity		4. A pplicable	
1.1 Equipment failure 2.1 1.2 Lifting with a boom 2.3 1.3 Max work loads 2.4 1.4 Vehicle stability 2.5 1.5 Moving parts/Sharp objects 2.6 1.6 Tension loads/Springs 2.8		2.1 Live contact I 2.2 Live contact I 2.3 Induction/bac 2.4 Induction/bac 2.5 Static charge 2.6 Step potentia 2.7 ARC Flash pc 2.8 Clothing igniti FRC required 2.9 Lockout/Tago	3.1 Falling from a height 3.2 Falling objects 3.2 Falling objects 3.3 Falling structures 3.4 Rigging failure 3.5 Working over water on hazard/		t 4.1 Vehicular 4.2 Kenetic 4.3 Thermal 4.4 Chemical 4.5 Confined Space 4.6 Excavations 4.7 Vehicle or pedes 4.8 Underground Ut 4.9 Other, specify:	 4.2 Kenetic 4.3 Thermal 4.4 Chemical 4.5 Confined Space 4.6 Excavations 4.7 Vehicle or pedestrian traffic 4.8 Underground Utilities 	
Hand contact:	Incident energ		ARC flash bound	dany -		ARC Flash PPE Level -	
		···					
Hot stick Work:	Incident energ	jy -	ARC flash bound	dary -		ARC Flash PPE Level -	
4. JOB STEPS			MAJOR HAZARD		REQUIRED BARRIERS PPE: Minimum Hard Hat and Safety Footwear LIST ALL OTHER REQUIRED PPE including eyewear. FRC: Yes No		TIMES (LO/TO)
	REVIEWED BY	Y	DATE yyyy mm dd				,

5. HAVE WE CONSIDERED (It is critical that we make note of any changes that may occur during the work cycle)											
People	Procedures	Hardware/Equi	pment	Environment	Workers Affect on Environment						
Qualification of personnel	Limits of approach	Inspection of	of equipment	Environment checklist	Cause erosion						
Other work groups/	De-energize/Isolation of apparatus	Inspection	of tools & PPE	Underground locates	Release/spills						
contractors	Safety hold off/	Inspection	of vehicles	Weather conditions	(liquids/gases/solids) Waste disposal						
Effective Communication	Blocking required Switching orders	Condition o		Soil conditions/Shoring	liquids/solids)						
Worker fatigue	Adequate cover-up			Lighting conditions	Noise						
	Grounding apparatus and vehicles		00 0	Adjacent structures/	Fire						
Pedestrian control	Work permit/	Adequate o	'	Vegetation	Species at risk (plant						
General public	Clearance to work	Specialized calibrated/to		Housekeeping	and animal)						
Traffic control	ontrol Permit checklists (soft confined space, etc.)			Emergency plan/	Disturbing waterways/ drainage/wetlands/						
Safety watcher	Review rescue procedu	res		Open excavations/	burial grounds						
carety materies	Spiking/Stethoscoping			☐ Trench☐ Distractions and	Wildlife Habitat						
	Cut Hazards/Cut Resist	ant		Interuptions	Bio Security						
WH	AT ARE THE CHANGES?	·		HOW WILL THIS AFFECT	YOUR WORK?						
6 HUMAN EDDOD DEG	DUCTION TOOLS (Consider	ler which UED To	a a la vau naa	d to potaly avaguta took a	w Critical Stone						
O. HUMAN ERROR REL	DOCTION TOOLS (CONSI	ier which her to	oois you nee	d to safely execute task o	. ,						
Stop When Unsure / Stop when unclear on task		Procedure Use an Verify correct / accurate		Self Check Stop / Think / /							
Questioning Attitude		Effective Commun	nication								
Identify confusion / doubt	/ uncertainty	Send message / parag	hrase back / ack	nowledge							
7. PERSONS WORKING ON THE JOB											
Designated person in charge (Print Name):	Crew cell no.:		Designated person in cha (Signature):	rge	yyyy mm dd Date:						
Print Full Names of Crew Members:											
yyyy mm dd		Initial/Sig	n off for Tailbo	ard Discussion							
		Ai anary is b			2 "						
8. OTHER CREWS AND Be aware of all work crev		ti-crew job rdinator	Cell phone:								
WHAT OTHER CREWS AF	No ili tile alea.	IN CHARGE		HOW WILL THEIR JOB AF	FECT YOURS						
Any visitors to your site shall read and sign your Plan.											
	ISITOR SIGN OFF	DATE	W	VORKSITE VISITOR SIGN OF	E DATE						
WORKSITE VI	yyyy mm dd	V	VORNOITE VIOLITUR SIGN OF	yyyy mm dd							
		1									