

Section 13

Job Safety Analysis

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JOB SAFETY ANALYSIS

DATE: October 2011	JOB DESCRIPTION: Operating an ATV	JSA # 001	
REQUIRED PPE		WORKERS INVOLVED: C Watson C Korchinski J Gerein	
<input type="checkbox"/> Hard Hat	<input checked="" type="checkbox"/> Safety Glasses		<input checked="" type="checkbox"/> Fire Retardant Coveralls
<input checked="" type="checkbox"/> Gloves	<input checked="" type="checkbox"/> Helmet		<input type="checkbox"/> Gas Monitor
<input checked="" type="checkbox"/> Steel Toed Boots	<input type="checkbox"/> Hearing Protection	<input type="checkbox"/> Face Shield	
REVIEWED BY: Jerrad Gerein NAME (PRINT):	SIGNATURE:	POSITION: Safety Coordinator	
SEQUENCE OF BASIC JOB STEPS/TASKS	HAZARDS/POTENTIAL HAZARDS	RECOMMENDED HAZARD CONTROLS/OR SAFE JOB PROCEDURES	
1. Loading/Unloading ATV's	- Rollover, ramps come loose, falling off, steep incline, slippery conditions	- Try to park so ramps will have less slope, i.e. against a slope - Secure ramps, take time, ensure ramps are clear of debris, ice/snow - Load/unload onto even ground - Make sure ATV is in 4x4, go slow, assume proper riding position	
2. Loading Rack's	- Equipment falling off, coming loose	- Ensure load is distributed evenly and securely strapped down - Do not overload	
3. Driving	- Rollover, falling off, rough conditions	- Always drive with care and caution, assume proper riding position, wear proper PPE - Avoid steep slopes if possible - Do not double	
4. Remote Areas	- Running out of gas, getting lost or stranded	- Be sure of your path, have a flight plan, make sure you have communication with others - Be aware on wildlife and environment - Always prepare for the worst, if you are going far, bring extra supplies - Make sure assistant knows the route	

JOB SAFETY ANALYSIS

DATE: September 2011	JOB DESCRIPTION: Chainsaw Operations	JSA # 002	
REQUIRED PPE		WORKERS INVOLVED: W Chimiuk H Phillips	
<input checked="" type="checkbox"/> Hard Hat With Mesh	<input checked="" type="checkbox"/> Safety Glasses		<input checked="" type="checkbox"/> Saw Pants
<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Helmet		<input type="checkbox"/> Gas Monitor
<input checked="" type="checkbox"/> Steel Toed Boots	<input checked="" type="checkbox"/> Hearing Protection	<input type="checkbox"/> Face Shield	
REVIEWED BY: Jerrad Gerein NAME (PRINT):	SIGNATURE:	POSITION: Safety Coordinator	
SEQUENCE OF BASIC JOB STEPS/TASKS	HAZARDS/POTENTIAL HAZARDS	RECOMMENDED HAZARD CONTROLS/OR SAFE JOB PROCEDURES	
1. Saw Preparation	- Possible damages to saw or safety mechanisms, dull chain, loose chain	- Inspect chain brake, throttle control lockout, chain catcher, bar, chain slack, sharpness - Check all fluid levels	
2. Basic Cuts	- Kickbacks, barber chairs, leaners	- Use bottom of blade for cutting, utilize full wrap bar - Use proper notches and utilize wedges when required - Clear get away routes before notching	
3. Cutting Line (falling trees)	- Falling debris, snags, slip, trips and falls, kickbacks - Fatigue	- Wear proper PPE - Look up for potential hazards - Beware of wind direction and speed - Be aware of footing - Stay in constant communication with assistant - Rest as needed, stay hydrated - Check saw conditions at every fuel up	

JOB SAFETY ANALYSIS

DATE: January 2012	JOB DESCRIPTION: Operating Jack Hammer	JSA # 003	
REQUIRED PPE		WORKERS INVOLVED: _S Snow C Barber	
<input checked="" type="checkbox"/> Hard Hat	<input checked="" type="checkbox"/> Safety Glasses		<input checked="" type="checkbox"/> Fire Retardant Coveralls
<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Helmet		<input type="checkbox"/> Gas Monitor
<input checked="" type="checkbox"/> Steel Toed Boots	<input checked="" type="checkbox"/> Hearing Protection	<input type="checkbox"/> Face Shield	
REVIEWED BY: Jerrad Gerein NAME (PRINT):	SIGNATURE:	POSITION: Safety Coordinator	
SEQUENCE OF BASIC JOB STEPS/TASKS	HAZARDS/POTENTIAL HAZARDS	RECOMMENDED HAZARD CONTROLS/OR SAFE JOB PROCEDURES	
1. Fuelling	- Spills	- Use funnel if necessary, take your time - Clean spills if required	
2. Moving Jack Hammer	- Very heavy, potential strains	- Lift with knees, not back - Use assistance when available and practical	
3. Operation	- Noise, potential strains	- Use proper ergonomics while operating - Wear hearing protection	

JOB SAFETY ANALYSIS

DATE: November 2011	JOB DESCRIPTION: Planting IP's	JSA # 004	
REQUIRED PPE		WORKERS INVOLVED: _ C Watson A Gray	
<input checked="" type="checkbox"/> Hard Hat	<input checked="" type="checkbox"/> Safety Glasses		<input type="checkbox"/> Fire Retardant Coveralls
<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Helmet		<input type="checkbox"/> Gas Monitor
<input checked="" type="checkbox"/> Steel Toed Boots	<input type="checkbox"/> Hearing Protection	<input type="checkbox"/> Face Shield	
REVIEWED BY: Jerrad Gerein NAME (PRINT):	SIGNATURE:	POSITION: Safety Coordinator	
SEQUENCE OF BASIC JOB STEPS/TASKS	HAZARDS/POTENTIAL HAZARDS	RECOMMENDED HAZARD CONTROLS/OR SAFE JOB PROCEDURES	
1. Planting IP with sledge hammer	<ul style="list-style-type: none"> - Buried facilities - Pinch points - Potential strains - Striking body with hammer 	<ul style="list-style-type: none"> - Obtain ground disturbance permit - Conduct sweeps - Keep hands at a safe distance from striking points when first starting IP - Use proper ergonomics, use momentum of body weight to swing hammer - Keep feet at safe distance from pin when swinging hammer - Use proper hand position when swinging hammer, let the hammer do the work 	

JOB SAFETY ANALYSIS

DATE: February 2012	JOB DESCRIPTION: Planting Lathe/Hubs	JSA # 005	
REQUIRED PPE		WORKERS INVOLVED: _S Snow C Barber	
<input checked="" type="checkbox"/> Hard Hat	<input checked="" type="checkbox"/> Safety Glasses		<input type="checkbox"/> Fire Retardant Coveralls
<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Helmet		<input type="checkbox"/> Gas Monitor
<input checked="" type="checkbox"/> Steel Toed Boots	<input type="checkbox"/> Hearing Protection	<input type="checkbox"/> Face Shield	
REVIEWED BY: Ryan Ellis NAME (PRINT):	SIGNATURE:	POSITION: Safety Coordinator	
SEQUENCE OF BASIC JOB STEPS/TASKS	HAZARDS/POTENTIAL HAZARDS	RECOMMENDED HAZARD CONTROLS/OR SAFE JOB PROCEDURES	
1. Pounding lathe/hubs into ground	<ul style="list-style-type: none"> - Stakes may break or shatter leaving sharp edges - Weak or warped stakes - Missing with hammer - Pinch points 	<ul style="list-style-type: none"> - Inspect stakes for integrity - Wear leather gloves - Avoid re-using stakes, - Avoid using warped stakes - Try to keep hands of far away from striking points as possible - Keep feet and legs out of direct line with swing in the event you miss or stake breaks 	

JOB SAFETY ANALYSIS

DATE: November 2011	JOB DESCRIPTION: Working On Or Around Roadways	JSA # 006	
REQUIRED PPE		WORKERS INVOLVED: Paul Hammonds Nathan McLaughlin	
<input checked="" type="checkbox"/> Hard Hat	<input checked="" type="checkbox"/> Safety Glasses		<input type="checkbox"/> Fire Retardant Coveralls
<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Helmet		<input type="checkbox"/> Gas Monitor
<input checked="" type="checkbox"/> Steel Toed Boots	<input type="checkbox"/> Hearing Protection	<input checked="" type="checkbox"/> High Visibility Vest	
REVIEWED BY: Jerrad Gerein NAME (PRINT):	SIGNATURE:	POSITION: Safety Coordinator	
SEQUENCE OF BASIC JOB STEPS/TASKS	HAZARDS/POTENTIAL HAZARDS	RECOMMENDED HAZARD CONTROLS/OR SAFE JOB PROCEDURES	
1. Working on or around roadways	<ul style="list-style-type: none"> - Passing vehicles - Poor visibility - Collision with other vehicles - Blowing debris - Blind spots - Speeding vehicles 	<ul style="list-style-type: none"> - Park vehicle and ATV as far off roadways as possible - Place "survey crew ahead" signs well enough in advance to alert motorists - Face traffic as much as possible - Never assume other drivers can see you - Manage traffic if need be - Use spotters if working in a blind spot - Use entry/exit points with high visibility - Wear high visibility clothing 	

JOB SAFETY ANALYSIS

DATE: November 2010	JOB DESCRIPTION: Working In Or Near Construction Areas	JSA # 007	
REQUIRED PPE		WORKERS INVOLVED: K Zidek	
<input checked="" type="checkbox"/> Hard Hat	<input checked="" type="checkbox"/> Safety Glasses		<input type="checkbox"/> Fire Retardant Coveralls
<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Helmet		<input checked="" type="checkbox"/> Gas Monitor
<input checked="" type="checkbox"/> Steel Toed Boots	<input type="checkbox"/> Hearing Protection	<input checked="" type="checkbox"/> High Visibility Vest	
REVIEWED BY: J Gerein NAME (PRINT):	SIGNATURE:	POSITION: Safety Coordinator	
SEQUENCE OF BASIC JOB STEPS/TASKS	HAZARDS/POTENTIAL HAZARDS	RECOMMENDED HAZARD CONTROLS/OR SAFE JOB PROCEDURES	
1. Working in or around high traffic construction areas	<ul style="list-style-type: none"> - Heavy traffic - Possible open excavations - Possible overhead lifting - Possible H2S 	<ul style="list-style-type: none"> - Always check in with site supervisor for permission - Be aware of all activity going on around you, not just in your work area - Never work under lifting areas - Always make eye contact with operators before passing by - Wear H2S monitors if on oil & gas facilities - Wear high visibility clothing - Keep vehicles/ATV's out of the way 	

JOB SAFETY ANALYSIS

DATE: November 2011	JOB DESCRIPTION: Travelling and Working On Ice	JSA # 008	
REQUIRED PPE		WORKERS INVOLVED: K Wong J Carty	
<input checked="" type="checkbox"/> Hard Hat	<input checked="" type="checkbox"/> Safety Glasses		<input type="checkbox"/> Fire Retardant Coveralls
<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Helmet		<input type="checkbox"/> Gas Monitor
<input checked="" type="checkbox"/> Steel Toed Boots	<input type="checkbox"/> Hearing Protection	<input type="checkbox"/> Face Shield	
REVIEWED BY: J Gerein NAME (PRINT):	SIGNATURE:	POSITION: Safety Coordinator	
SEQUENCE OF BASIC JOB STEPS/TASKS	HAZARDS/POTENTIAL HAZARDS	RECOMMENDED HAZARD CONTROLS/OR SAFE JOB PROCEDURES	
1. Travelling or working on ice	<ul style="list-style-type: none"> - Thin ice - Slippery - Deep snow, hidden hazards 	<ul style="list-style-type: none"> - Check ice depth before crossing, avoid if possible - Never attempt truck crossings - Be very cautious of footings - Never attempt while working alone - Do not travel to close to other workers 	

JOB SAFETY ANALYSIS

DATE: February 2012	JOB DESCRIPTION: Working Alone	JSA # 009	
REQUIRED PPE		WORKERS INVOLVED: _S Snow C Barber	
<input checked="" type="checkbox"/> Hard Hat	<input checked="" type="checkbox"/> Safety Glasses		<input checked="" type="checkbox"/> Fire Retardant Coveralls
<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Helmet		<input type="checkbox"/> Gas Monitor
<input checked="" type="checkbox"/> Steel Toed Boots	<input type="checkbox"/> Hearing Protection	<input type="checkbox"/> Face Shield	
REVIEWED BY: R Ellis NAME (PRINT):	SIGNATURE:	POSITION: Safety Coordinator	
SEQUENCE OF BASIC JOB STEPS/TASKS	HAZARDS/POTENTIAL HAZARDS	RECOMMENDED HAZARD CONTROLS/OR SAFE JOB PROCEDURES	
1. Working alone	- No assistance if something goes wrong	<ul style="list-style-type: none"> - Check in/out - Have effective means of communication in event of emergency - Carry spot GPS system - Check in with a supervisor at pre-determined intervals throughout the day - Do not attempt work tasks that are considered high risk (i.e. chainsaw) 	

JOB SAFETY ANALYSIS

DATE:	JOB DESCRIPTION: Working in Extreme Cold	JSA # 010	
REQUIRED PPE		WORKERS INVOLVED: K Wong	
<input checked="" type="checkbox"/> Hard Hat	<input checked="" type="checkbox"/> Safety Glasses		<input checked="" type="checkbox"/> Fire Retardant Coveralls
<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Helmet		<input type="checkbox"/> Gas Monitor
<input checked="" type="checkbox"/> Steel Toed Boots	<input type="checkbox"/> Hearing Protection	<input type="checkbox"/> Face Shield	
REVIEWED BY: J Gerein NAME (PRINT):	SIGNATURE:	POSITION: Safety Coordinator	
SEQUENCE OF BASIC JOB STEPS/TASKS	HAZARDS/POTENTIAL HAZARDS	RECOMMENDED HAZARD CONTROLS/OR SAFE JOB PROCEDURES	
1. Working in extreme cold weather conditions	<ul style="list-style-type: none"> - Hyperthermia - Frost bite - Wind chill 	<ul style="list-style-type: none"> - Dress in layers - Cover exposed skin as best as possible - Be aware of symptoms of frost bite - Take breaks when necessary to get warm - Stay hydrated 	

JOB SAFETY ANALYSIS

DATE:	JOB DESCRIPTION: Winching ATV's	JSA # 011	
REQUIRED PPE		WORKERS INVOLVED: P Hammonds N McLaughlin	
<input checked="" type="checkbox"/> Hard Hat	<input checked="" type="checkbox"/> Safety Glasses		<input checked="" type="checkbox"/> Fire Retardant Coveralls
<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Helmet		<input type="checkbox"/> Gas Monitor
<input checked="" type="checkbox"/> Steel Toed Boots	<input type="checkbox"/> Hearing Protection	<input type="checkbox"/> Face Shield	
REVIEWED BY: R Ellis NAME (PRINT):	SIGNATURE:	POSITION: Safety Coordinator	
SEQUENCE OF BASIC JOB STEPS/TASKS	HAZARDS/POTENTIAL HAZARDS	RECOMMENDED HAZARD CONTROLS/OR SAFE JOB PROCEDURES	
1. Winching	<ul style="list-style-type: none"> - Pinch points - Cable breaking and snapping back at operator - Whatever winch is attached to may not be sturdy enough to pull stuck vehicle out - Could kill battery power of vehicle - Frayed cables on winch line 	<ul style="list-style-type: none"> - Wear leather gloves when handling winch cable - Keep body away from pinch points of winch cable - Never position yourself between winched objects - Leave ATV running while winching to preserve battery life - Secure winch cable to the most practical, sturdy object around 	

JOB SAFETY ANALYSIS

DATE:	JOB DESCRIPTION:	JSA #	
REQUIRED PPE		WORKERS INVOLVED:	
<input type="checkbox"/> Hard Hat	<input type="checkbox"/> Safety Glasses		<input type="checkbox"/> Fire Retardant Coveralls
<input type="checkbox"/> Gloves	<input type="checkbox"/> Helmet		<input type="checkbox"/> Gas Monitor
<input type="checkbox"/> Steel Toed Boots	<input type="checkbox"/> Hearing Protection	<input type="checkbox"/> Face Shield	
REVIEWED BY: NAME (PRINT):	SIGNATURE:	POSITION: Safety Coordinator	
SEQUENCE OF BASIC JOB STEPS/TASKS	HAZARDS/POTENTIAL HAZARDS	RECOMMENDED HAZARD CONTROLS/OR SAFE JOB PROCEDURES	