



HAZARD ASSESSMENT

Purpose: To develop and maintain a listing of all tasks performed by Swab Master Ltd. employees and identify all hazards associated with the tasks. In accordance with workplace safety and Occupational Health & Safety regulations Swab Master Ltd. will ensure that all employees' work together in identifying hazards associated with a task and in implementing control measures. The hazard assessments will be completed in compliance with Part 2 of the Occupational Health & Safety Code, which may be read in your supplied OH&S Booklet or online at: alberta.ca/alberta-queens-printer.aspx

Responsibility:

Management, Supervisors and Workers are responsible for development of all hazard assessments for all tasks performed.

Management's Responsibility: Management is responsible to ensure that assessments cover all known or potential hazards and that control measures are adequate. They are to be reviewed on an annual basis with a worker who is exposed to the hazards. It is management's responsibility to oversee that hazard assessments are conducted, and corrective action has taken place. Management will also take every reasonable measure to ensure employees have been trained in Hazard Identification, Assessment and Control.

Employees are responsible to see that hazards have been identified and addressed prior to starting the work, to report any hazards, whether they are able to correct them or not and to notify co-workers of hazards they identify on site and to complete any training offered in hazard identification, assessment and control.

A contractor must ensure that any employer on a work site is made aware of any existing or potential work site hazards that may affect that employer's workers.

Formal training is provided for hazard identification and risk assessment for senior management and all employees at the time of their orientation upon being hired by the company.

DEFINITIONS

Hazard: any circumstance or condition, which poses the risk of an accident. Hazards are identified as either health or safety hazards.

Health Hazards are not immediately seen or felt but result in chronic (long term) effects such as asbestos, dusts, repetitive strains, noise, etc.

Safety Hazards that have immediate effects such as cuts, bruises, sprains, strains, burns, etc.

Incident: any unplanned and unwanted event which results in damage or injury, or which could have resulted in damaged or injury (near miss).

Hazard Assessment: is a thorough examination of an operation for the purpose of identifying what actual and potential hazards exist. A hazard assessment is conducted with the direct involvement of the manager when starting a safety program. It should also be conducted when setting up on a new jobsite. In addition to inspections, some organizations do a formal hazard assessment periodically.

The formal hazard identification and risk assessment process is used at every job site before any work is performed by any employee. This process includes tail gate meetings, pre-job safety evaluation and reporting, and discussions with all officials in charge of the site(s) where the work is performed. These formal hazard identification and risk



assessments are completed again if the workers are required to work at another location within their work period or if the scope of the work changes.

Audit: a comprehensive examination and evaluation of management's performance in establishing and maintaining a safety program. An audit is conducted [periodically by a trained safety auditor either from within the organization or from outside].

Inspection: an observation tour of the workplace for the specific purpose of determining the levels of compliance with established safe work practices, procedures, and safety rules. Inspections are conducted on an ongoing basis to maintain the effectiveness of a safety program.

Site Specific Hazard Assessments

All Swab Master Ltd. employees working in the field are responsible for completing and/or assisting in the completion of a Pre-Job Safety Meeting Report. This form should be completed at the beginning of work each day on any temporary or mobile work sites. The form must reference the location, date, units used, company worked for and its representative and, whether there are other services involved in the days work.

General health and safety topics applicable to the site should be identified and discussed with all workers on site. A description of the work being performed should be detailed on the form. Tasks being completed should be noted and reviewed from the list provided and referenced in the safety manual under Element 3: Procedures. Controls to eliminate or alleviate each hazard or risk should be noted as well.

Fire and explosion hazards should be noted as well as controls to prevent such an event. Emergency controls must be identified prior to work commencing. If the company representative is not on location and has provided no emergency response plan for this site, you must defer to Swab Master Ltd.'s Emergency Response Plan found in Element 8 of the safety manual.

All employees of Swab Master as well as any other company on-site must sign-off on the Pre-Job Safety Meeting Report. They are to acknowledge that all hazards and controls have been reviewed for this site and the work that will be done as well as confirm their understanding of the emergency response plan of action.

If a new activity or task is temporarily introduced on site, work must stop until the task has been reviewed, all hazards and risks have been identified and, all personnel on site is aware of the controls that need to be implemented to prevent an occurrence. This includes any temporary task introduced by Swab Master and its employees or any other company employees on site.

If any hazards are noted that are particular to the specific site, it should be written up on an Opportunity Report and reported to the Supervisor. It should also be brought to the attention of the company representative. They are considered the Prime Contractor of this location and should be aware of any hazardous environment. Ensure the Opportunity Report is completed and turned into the office for processing and tracking. The report will then be added to the safety agenda by the HS Representative, and it will be discussed in full with all employees.



PRE-JOB SAFETY MEETING REPORT
Remember Why We Work and Play Safe - It's Our Families!

No. 0000

Start Location:	Date:	Unit #'s:	Job/Service Ticket #
Company:		Client Representative:	
Swab Master Representative:			Multi-Services: Y <input type="checkbox"/> N <input type="checkbox"/>

General Hazards / Topics Discussed (ALL EMPLOYEES ON SITE)		
Muster Points Identified	Work Area/Lease Conditions	Equipment Inspection
PPE is Being Worn (As Designated)	MSDS (SDS) Location	Positive Air Shutoffs
Smoking Area Identified	LEL Bump Test	Chemicals/Hydrocarbons/Caustics/Acids/Hot Oil
Emergency Response Plan	Confined Space	Overhead Powerlines
Pinch Points	H2S / Toxic Vapours / Respiratory Hazards	Working Alone/Remote Location
Grounding / Bonding	Rotating / Unguarded Equipment	Weather
Working at Heights	High Pressure / Hazardous Energy Sources	Slip / Trip / Fall
Suspended Loads	Other:	Other:
Other:	Other:	Other:


Description of Work:

Safe Work Procedures / Tasks:

<input type="checkbox"/> 1. Backup Procedure (EL3/91)	<input type="checkbox"/> 7. Derrick Inspection (EL4/6)	<input type="checkbox"/> 12. Sandline Inspection (EL3/120)
<input type="checkbox"/> 2. General Driving / Travel (EL3/102)	<input type="checkbox"/> 8. Pipe Wrench Procedure (EL3/109)	<input type="checkbox"/> 13. Tank Truck Procedure - General (EL3/137)
<input type="checkbox"/> 3. Caisson Entry / Confined Space (EL3/97)	<input type="checkbox"/> 9. Raising / Lowering Derrick (EL3/130)	<input type="checkbox"/> 14. Hose Reel Procedure (EL3/138)
<input type="checkbox"/> 4. Gauge Ring Procedure (EL3/101)	<input type="checkbox"/> 10. Swabbing Procedure - General (EL3/129)	<input type="checkbox"/> 15. Loading / Unloading Tank Truck w/Pump (EL3/140-141)
<input type="checkbox"/> 5. Wax Knife Procedure (EL3/146)	<input type="checkbox"/> 11. Swabbing - High Pressure/Critical Wells (EL3/132)	<input type="checkbox"/> 16. Plunger Retrieval (EL3/111)
<input type="checkbox"/> 6. Bottomhole Bumper Spring (EL3/94)	OTHER:	OTHER:

Controls:

Task No:	Risk Level	Steps to Eliminate Hazards & Reduce Risks	Residual Risk	Who (if applicable)

<p>Fire and Explosion Hazards (Identify components of the fire triangle that could be present)</p> <p><input type="checkbox"/> Energy & Ignition  <input type="checkbox"/> Oxygen & Air</p> <p><input type="checkbox"/> Fuels & Hydrocarbons</p>	<p>Critical Risk Factors (Identify factors that could be present)</p> <p><input type="checkbox"/> Liquid Hydrocarbons <input type="checkbox"/> H2S</p> <p><input type="checkbox"/> Oil Based Workover Fluids <input type="checkbox"/> High Pressure or Temperature</p> <p><input type="checkbox"/> Flow into Closed System <input type="checkbox"/> Rapid Pressure or Temperature Changes</p> <p><input type="checkbox"/> Pre-Existing Trapped Air <input type="checkbox"/> Mixing of Products or Chemicals</p>
<p>Level of Risk (Identify)</p> <p><input type="radio"/> Improbable - Fire Triangle Does Not Exist</p> <p><input type="radio"/> Possible - Fire Triangle May Exist, No Risk Factors Present</p> <p><input type="radio"/> Probable - Fire Triangle May Exist, One or More Risk Factors Present</p>	<p>Procedures Required</p> <p><input type="radio"/> Alertness for failure of barriers or controls that would affect FEHM</p> <p><input type="radio"/> Reusable hazard management plan</p> <p><input type="radio"/> Detailed, site-specific hazard management plan AND documented risk assessment</p>

FIRE & EXPLOSION CONTROLS:

EMERGENCY CONTROLS (What is the response if conditions change?)

MANAGEMENT OF CHANGE (New Hazards Identified)

Print Name	Signature	Print Name	Signature

To the best of our knowledge, all known onsite hazards have been identified, eliminated or controlled - THIS REPORT WILL BE POSTED AT ALL TIMES DURING OPERATION

Emergency Numbers
Swab Master (403) 793-0033 - Stars Emergency Link (888) 888-4567 or *4567 - Emergency Dispatch: 911 - STARS Satellite Phone Link (403) 299-0932



Process for Conducting Hazard Assessments

- ✓ Assemble the people that will be involved – involve workers in all areas.
- ✓ Discuss possible hazards with employees.
- ✓ Identify all possible hazards originating from: (Identify things that could go wrong – keep asking the question – What if?)
 - Environment they work in
 - Materials they work with
 - Equipment / tools used
 - People (employees, visitors, clients, contractors, etc.)
- ✓ Review the Job Description / Task Inventory for the assessment.
- ✓ Mark on the Job Hazard Assessment Matrix all tasks and rate them according to the risk as per the risk rating table.

LIKELIHOOD + EXPOSURE + CONSEQUENCE / 3 = HAZARD RATING

ALL HAZARD RATINGS / NUMBER OF HAZARDS = TASK RISK RATING

ALL TASK RISK RATINGS / NUMBER OF TASKS = OVERALL JOB RISK RATING

- ✓ Rank the tasks on a “worst first” basis as per the risk rating values.
- ✓ Identify all controls required to eliminate or control the risk. (Engineering, Administrative or PPE Controls required?)
- ✓ Review the findings with supervisors/workers during safety meetings and solicit their input for control measures.
- ✓ Review the assessment process on an annual basis or when a new task is introduced.
- ✓ All documents should be signed and dated.

HAZARD IDENTIFICATION RISK RATING TABLE	
LIKELIHOOD: is the probability of getting hurt when completing the task.	
5	Occurs under normal operating conditions
4	Occurs in unusual operating conditions
3	May occur if the worker is inattentive or equipment is poorly maintained
2	Only likely in abnormal conditions (i.e.: loss of power, incapacitated worker, emergency conditions, etc.)
1	Not likely to happen – remotely possible – only in extreme conditions
EXPOSURE: is how frequently the hazard presents itself.	
5	Continually – daily – one or more times per day
4	Frequently – one/two times per week
3	Possible – once a month
2	Some chance of occurring
1	Not likely to happen – very remote possibility
CONSEQUENCE: is the outcome or result of the hazard.	
5	Catastrophic/Disastrous – numerous fatalities – widespread serious chronic health effects – extreme property or equipment damage
4	Single fatality – a single incident could cause serious injury resulting in permanent disability – serious property or equipment damage
3	Any single event injury requiring hospitalization for more than a day or a single event resulting in long term disability, that results in a lost time injury or where repeated exposure causes a serious long-term disability.
2	Anything requiring a hospital visit or doctors’ examination
1	Anything requiring first aid treatment or where repeated exposure could result in minor long-term disability



Higher Risk activities require more focus and tighter controls. Systems should be designed to reduce both the probability of an event and the consequences of the event. Note that the “hazard control system” is a combination of the people (attitude, training, and capability), technology, and the process.

Emergency Control of a Hazard

If an emergency action is required to control or eliminate a hazard that is dangerous to the safety or health of workers.

1. Only those workers competent in correcting the condition, and the minimum number necessary to correct the condition, may be exposed to the hazard.
2. Every reasonable effort must be made to control the hazard while risk controls are established.

Refer to your Emergency Response Plan in this manual when dealing with an Emergency Hazard.

Introduction of New Hazards

When a new hazard is introduced to the workplace (new tool, process, tasks, or equipment), all employees are responsible for completing an Opportunity Report. The report should contain a detailed description of the new tool, task, or equipment and what associated hazards they believe exist. Management and the employees will then review the new hazards during safety meetings and develop controls for them.

Review of Formal Hazard Assessments

Each year, the task list should be reviewed by the Senior Manager, a Manager, a Supervisor, and a Worker. Once all tasks have been confirmed to be in use still, the individual hazard assessments should be reviewed as well. Each hazard assessment should be reviewed to consider whether the controls applied are still current, effective and in use by the employees.

The current hazard analysis forms were completed in July 2023 by the following employees.

EMPLOYEE NAME	POSITION
<i>Garth Smith</i>	<i>General Manager</i>
<i>Hong Zhong Guo</i>	<i>Operations Manager</i>
<i>Marj Baillie</i>	<i>Office Operations Manager</i>
<i>Andre’ St-Germain</i>	<i>Rig Supervisor/HS Representative</i>
<i>Abe Giesbrecht</i>	<i>Rig Supervisor</i>
<i>David Tobin</i>	<i>Rig Supervisor</i>
<i>Chad Latham</i>	<i>Rig Assistant</i>
<i>Tamsen Hall</i>	<i>Safety Coordinator</i>

Significant Risk Hazard Results

The following table is a summary of tasks and procedures with significant hazards or risk as rated by the team. Complete documentation of all hazard assessment data is available from the Swab Master Ltd. head office.



MASTER TASK INVENTORY

This is a list of all tasks and procedures all Swab Master Ltd. employees may be responsible for. If you are doing something in your scope of work that cannot be defined under one of the following categories, please submit an Opportunity Report A.S.A.P to have the task added to the inventory.

Accident / Incident Investigations	Slip & Cut Sandline	Hydrostatic Lubricator Pressure Test
Audits	Swabbing Procedures	Impression Block Procedure
Blind Box Procedure	Inventory Management	Propane Use
Brake Adjustment Procedure	Tank Truck Procedures	Pipeline Blow Down Procedure
Broaching Tool Procedure	Tool Retrieval / Side Entry Procedure	
Bumper Spring Setting Procedure	Training	
Caisson Entry / Confined Space	Wash Bay Procedure	
Computer Use	Wax Knife Procedure	
Customer Service	Welding	
Discipline	Wire Rope in Well Procedure	
Driving / Backing Up	Plug / Plunger Retrieval Procedure	
Emergency Response Drills	Pouring Socket Rope Procedure	
Paperwork	Recruiting	
Equipment Maintenance	Magnet Use Procedure	
Gas Cylinder Procedure	Lock Out / Tag Out Procedure	
Gas Detection Procedure	Loading / Unloading	
Gauge Ring Procedure	Sample Bailer Procedure	
General Shop Labour	Sand Bailing Procedure	
H2S Trailer Procedure	Sand Line Inspection Procedure	
Hose Reel Procedure	Inspections	
Housekeeping	Pipe Wrench Procedure	



ELEMENT #2: HAZARD IDENTIFICATION & ASSESSMENT

March 2023



Task / Procedure Hazard Identification Matrix

Rev: 08/2023

Task / Procedure	Hazards	L*	E*	C*	Total Risk	Notes
Pipeline Blowdown	Pressure	2	4	5	3.7	Training; Procedure Review; Pre-Job; Caution; PPE
	Explosion	2	3	5	3.3	Training; Procedure Review; Pre-Job; Caution; PPE
	Slipping	3	3	3	3.0	Pre-Job; Caution
	Noise	3	3	3	3.0	Procedure Review; Pre-Job; Caution; PPE
	H2S	2	2	5	3.0	H2S Training; Procedure Review; Pre-Job; Communication; Caution; PPE
	Pinch Points	2	3	4	3.0	Procedure Review; Pre-Job; Caution; PPE
	Eye Injury	2	3	4	3.0	Procedure Review; Pre-Job; Caution; PPE
	Extreme Weather	2	3	3	2.7	Pre-Job; Weather Watch; Caution
	Tripping	2	3	3	2.7	Pre-Job; Caution
	Bending Body	2	3	3	2.7	Training; Procedure Review; Pre-Job; Caution
TOTAL FOR TASK					3.8	
Wash Bay Procedure	Falls From Height	3	4	5	4.0	Fall Protection Training; Pre-Job; Caution; PPE
	Pressure	3	3	5	3.7	Training; Procedure Review; Pre-Job; Caution; PPE
	Slipping	3	5	3	3.7	Pre-Job; Caution; PPE
	Explosion	2	3	5	3.3	Training; Procedure Review; Pre-Job; Caution; PPE
	Chemicals	3	4	4	3.7	WHMIS Training; Procedure Review; MSDS; Ventilation; Caution; PPE
	Eye Injury	3	4	4	3.7	Procedure Review; Pre-Job; Caution; PPE
	H2S	2	3	5	3.3	H2S Training; Procedure Review; Pre-Job; Communication; Caution; PPE
	Noise	3	3	3	3.0	Procedure Review; Pre-Job; Caution; PPE
	Lighting	3	3	3	3.0	Procedure Review; communication; equipment
	Tripping	3	3	3	3.0	Pre-Job; Caution
TOTAL FOR TASK					3.4	
Pipe Wrench Procedure	Pressure	3	4	5	4.0	Procedure Review; Pre-Job; Caution; PPE
	H2S	2	4	5	3.7	H2S Training; Pre-Job; Communication; PPE
	Explosion	3	3	5	3.7	Training; Procedure Review; Pre-Job; Caution; PPE
	Pinch Points	4	4	4	4.0	Procedure Review; Pre-Job; Caution; PPE
	Eye Injury	3	4	4	3.7	Procedure Review; Pre-Job; Caution; PPE
	Slipping	3	4	3	3.3	Pre-Job; Caution; PPE
	Bending Body	3	4	3	3.3	Procedure Review; Pre-Job; Caution; PPE
	Chemicals	2	2	4	2.7	Training; Procedure Review; MSDS; Pre-Job; Caution; PPE
	Extreme Weather	2	3	3	2.7	Pre-Job; Weather Watch; Caution; PPE
TOTAL FOR TASK					3.4	
Back Up Procedure	Pressure	3	2	5	3.3	Review procedure; PPE; Communication; Caution
	H2S	3	2	5	3.3	H2S Training; Pre-Job Meeting; Review Procedures; PPE
	Extreme Weather	3	4	3	3.3	Communication; weather watch; caution; ERP
	Pinch Points	3	3	5	3.7	Review Procedures; Communication; Caution; PPE
	Explosion	3	2	5	3.3	Pre-Job Meeting; communication; procedure review
	Lighting	3	2	4	3.0	Procedure Review; communication; equipment
TOTAL FOR TASK					3.3	

- * L = Likelihood
- * E = Exposure
- * C = Consequence

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CALCULATION:
Likelihood + Exposure + Consequence / 3 = RISK



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Task / Procedure	Hazards	L*	E*	C*	Total Risk	Notes
Hydrostatic Lubricator Pressure Test	Pressure	4	5	5	4.7	Training; Procedure Review; Pre-Job; Caution; PPE
	Fall From Height	2	2	5	3.0	Fall Protection Training; Procedure Review; Pre-Job; Caution; PPE
	Pinch Points	2	4	4	3.3	Pre-Job; Caution; PPE
	Eye Injury	3	3	4	3.3	Pre-Job; Caution; PPE
	Bending Body	3	4	3	3.3	Training; Pre-Job; Caution
	H2S	2	3	5	3.3	H2S Training; Pre-Job; Procedure Review; Communication; Caution; PPE
	Explosion	3	2	5	3.3	Training; Procedure Review; Pre-Job; Caution; PPE
	Chemicals	2	2	4	2.7	Procedure Review; Pre-Job; MSDS; Caution; PPE
	Slipping	3	3	3	3.0	Pre-Job; Caution; PPE
	Extreme Weather	1	2	3	2.0	Pre-Job; Communication; Weather Watch; Caution
	Lighting	3	3	3	3.0	Procedure review; Pre-Job; Caution
	Tripping	3	3	3	3.0	Pre-Job; Caution
TOTAL FOR TASK					3.2	
Hose Reel Procedure	Explosion	3	3	5	3.7	Training; Procedure Review; Pre-Job; Caution; PPE
	H2S	3	3	5	3.7	H2S Training; Procedure Review; Pre-Job; Communication; Caution; PPE
	Pressure	3	2	5	3.3	Procedure review; Pre-Job; Caution; PPE
	Slipping	3	3	3	3.0	Pre-Job; Caution; PPE
	Eye Injury	3	2	4	3.0	Procedure review; Pre-Job; Caution; PPE
	Tripping	3	3	3	3.0	Pre-Job; Caution; PPE
	Pinch Points	3	4	4	3.7	Procedure review; Pre-Job; Caution; PPE
TOTAL FOR TASK					3.3	
Brake Adjustment Procedure	Eye Injury	3	4	4	3.7	Proper Training; Procedure Review; PPE; Caution
	Pressure	3	2	5	3.3	Procedure Review; PPE; Caution; Communication
	Pinch Points	3	3	4	3.3	Procedure Review; PPE; Caution; Communication
	Slipping	3	3	3	3.0	Procedure Review; PPE; Caution; Communication
	Lighting	3	2	4	3.0	Caution; Equipment; PPE
	Extreme Weather	1	2	3	2.0	Communication; Weather watch; Caution
TOTAL FOR TASK					3.1	
Tank Truck Procedure	Explosion	3	3	5	3.7	Training; Procedure Review; Pre-Job; Caution; PPE
	Falls From Height	3	3	5	3.7	Fall Protection Training; Pre-Job; Caution; PPE
	H2S	2	3	5	3.3	H2S Training; Procedure Review; Pre-Job; Communication; Caution; PPE
	Pressure	3	2	5	3.3	Training; Procedure Review; Pre-Job; Caution; PPE
	Chemicals	3	3	4	3.3	WHMIS & TDG Training; Procedure Review; MSDS; Pre-Job; Caution; PPE
	Eye Injury	3	3	4	3.3	Procedure Review; Pre-Job; Caution; PPE
	Pinch Points	3	3	4	3.3	Procedure Review; Pre-Job; Caution; PPE
	Slipping	3	3	3	3.0	Pre-Job; Caution
	Wildlife	3	3	3	3.0	Procedure Review; Pre-Job; Caution;
	Extreme Weather	2	4	4	3.3	Pre-Job; Weather Watch; Caution
	Debris	2	3	3	2.7	Pre-Job; Caution; PPE
	Lighting	2	3	3	2.7	Procedure Review; communication; equipment
TOTAL FOR TASK					3.2	

* L = Likelihood
 * E = Exposure
 * C = Consequence

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Task / Procedure Hazard Identification Matrix

Rev: 08/2023

Task / Procedure	Hazards	L*	E*	C*	Total Risk	Notes
Impression Block Procedure	H2S	2	3	5	3.3	H2S Training; Procedure Review; Pre-Job; Communication; Caution; PPE
	Explosion	2	3	5	3.3	Training; Pre-Job; Caution; PPE
	Burner Flame	2	4	3	3.0	Training; Procedure Review; Pre-Job; Caution; PPE
	Pinch Points	2	3	4	3.0	Pre-Job; Caution; Communication; PPE
	Pressure	2	2	5	3.0	Pre-Job; Caution; Communication; PPE
TOTAL FOR TASK					3.1	
H2S Trailer Procedure	Pressure	1	5	5	3.7	Procedure Review; Pre-Job; Training; Caution; PPE
	H2S	2	5	5	4.0	H2S Training; Procedure Review; Pre-Job; Caution; Communication; PPE
	Explosion	1	4	5	3.3	Training; Procedure Review; Pre-Job; Caution; PPE (Heater + Gas = potential explosion)
	Pinch Points	1	2	4	2.3	Pre-Job; Caution; PPE
TOTAL FOR TASK					2.7	
Gas Detection Procedure	Explosion	2	4	5	3.7	Training; Procedure Review; Pre-Job; Caution; PPE
	H2S	2	3	5	3.3	H2S Training; Procedure Review; Pre-Job; Caution; Communication; PPE
	Eye Injury	2	3	4	3.0	Caution; PPE
	Pressure	2	2	5	3.0	Procedure Review; Pre-Job; Caution; Communication; PPE
	Chemicals	2	2	4	2.7	Pre-Job; MSDS; Communication; Caution; PPE
TOTAL FOR TASK					3.1	
Equipment Inspection Procedure	H2S	2	4	5	3.7	H2S Training; Pre-Job; Communication; Caution; PPE
	Explosion	2	4	5	3.7	Procedure Review; Pre-Job Caution; PPE
	Pressure	3	2	5	3.3	Training; Procedure Review; Equipment Guards; Caution; PPE
	Eye Injury	2	3	4	3.0	Procedure Review; Pre-Job Caution; PPE
	Fall From Height	2	2	5	3.0	Fall Protection Training; Pre-Job; ERP; Communication; Caution; PPE
	Extreme Weather	2	3	3	2.7	Procedure Review; weather watch; communication; caution; PPE
	Pinch Points	2	2	4	2.7	Procedure Review; Training; Pre-Job Meeting; Caution; PPE
TOTAL FOR TASK					3.1	
Tool Retrieval / Side Entry Procedure	Explosion	2	3	5	3.3	Training; Procedure Review; Pre-Job; Caution; PPE
	Pinch Points	2	4	4	3.3	Procedure Review; Pre-Job; Caution; PPE
	Pressure	2	3	5	3.3	Training; Procedure Review; Pre-Job; Caution; PPE
	Bending Body	2	4	3	3.0	Training; Procedure Review; Pre-Job; Caution
	H2S	2	2	5	3.0	H2S Training; Procedure Review; Pre-Job; Communication; Caution; PPE
	Eye Injury	2	3	4	3.0	Procedure Review; Pre-Job; Caution; PPE
	Extreme Weather	2	3	3	2.7	Procedure Review; Pre-Job; Caution; PPE
	Tripping	2	3	3	2.7	Pre-Job; Caution
TOTAL FOR TASK					3.0	

* L = Likelihood
 * E = Exposure
 * C = Consequence

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Task / Procedure Hazard Identification Matrix

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Task / Procedure	Hazards	L*	E*	C*	Total Risk	Notes
Swabbing - Slant Well	Pressure	2	3	5	3.3	Training; Procedure Review; Pre-Job; Caution; PPE
	Explosion	2	3	5	3.3	Training; Procedure Review; Pre-Job; Caution; PPE
	H2S	2	2	5	3.0	H2S Training; Procedure Review; Pre-Job; Communication; Caution; PPE
	Pinch Points	2	3	4	3.0	Procedure Review; Pre-Job; Caution; PPE
	Eye Injury	2	3	4	3.0	Procedure Review; Pre-Job; Caution; PPE
	Extreme Weather	2	3	3	2.7	Pre-Job; Weather Watch; Caution
	Tripping	2	3	3	2.7	Pre-Job; Caution
	Bending Body	3	3	3	3.0	Training; Procedure Review; Pre-Job; Caution
TOTAL FOR TASK					3.0	
Side Entry Coil Clean Out	Pressure	2	3	5	3.3	Training; Procedure Review; Pre-Job; Caution; PPE
	Explosion	2	3	5	3.3	Training; Procedure Review; Pre-Job; Caution; PPE
	H2S	2	2	5	3.0	H2S Training; Procedure Review; Pre-Job; Communication; Caution; PPE
	Pinch Points	2	3	4	3.0	Procedure Review; Pre-Job; Caution; PPE
	Eye Injury	2	3	4	3.0	Procedure Review; Pre-Job; Caution; PPE
	Extreme Weather	2	3	3	2.7	Pre-Job; Weather Watch; Caution
	Tripping	2	3	3	2.7	Pre-Job; Caution
	Bending Body	2	3	3	2.7	Training; Procedure Review; Pre-Job; Caution
TOTAL FOR TASK					3.0	
Sample Bailer Procedure	Pressure	2	3	5	3.3	Training; Procedure Review; Pre-Job; Caution; PPE
	Pinch Points	2	3	4	3.0	Procedure Review; Pre-Job; Caution; PPE
	H2S	2	2	5	3.0	H2S Training; Procedure Review; Pre-Job; Communication; Caution; PPE
	Explosion	2	2	5	3.0	Training; Procedure Review; Pre-Job; Caution; PPE
	Chemicals	2	3	4	3.0	Training; Procedure Review; MSDS; Pre-Job; Caution; PPE
	Extreme Weather	2	3	3	2.7	Pre-Job; Weather Watch; Caution
	Bending Body	2	3	3	2.7	Procedure Review; Pre-Job; Caution
TOTAL FOR TASK					3.0	
Swabbing Procedure - General	Pressure	2	3	5	3.3	Training; Procedure Review; Pre-Job; Caution; PPE
	Explosion	2	3	5	3.3	Training; Procedure Review; Pre-Job; Caution; PPE
	H2S	2	2	5	3.0	H2S Training; Procedure Review; Pre-Job; Communication; Caution; PPE
	Pinch Points	2	3	4	3.0	Procedure Review; Pre-Job; Caution; PPE
	Eye Injury	2	3	4	3.0	Procedure Review; Pre-Job; Caution; PPE
	Extreme Weather	2	3	3	2.7	Pre-Job; Weather Watch; Caution
	Tripping	2	3	3	2.7	Pre-Job; Caution
	Bending Body	3	3	3	3.0	Training; Procedure Review; Pre-Job; Caution
TOTAL FOR TASK					3.0	

* L = Likelihood
 * E = Exposure
 * C = Consequence

CALCULATION:
 Likelihood + Exposure + Consequence / 3 = RISK



Task / Procedure Hazard Identification Matrix

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Task / Procedure	Hazards	L*	E*	C*	Total Risk	Notes
Pouring Rope Socket Procedure	Eye Injury	3	4	4	3.7	Procedure Review; Pre-Job; Caution; PPE
	Explosion	2	2	5	3.0	Training; Procedure Review; Pre-Job; Caution; PPE
	Burner Flame	3	4	3	3.3	Training; Procedure Review; Pre-Job; Caution; PPE
	Chemicals	1	1	3	1.7	Training; Procedure Review; MSDS: Pre-Job; Caution; PPE
TOTAL FOR TASK					2.9	
Broaching Tool Procedure	Pressure	2	3	5	3.3	Procedure Review; Equipment; Training; PPE; Caution
	Explosion	2	2	5	3.0	Pre-Job meeting; Training; Caution; PPE
	H2S	2	2	5	3.0	H2S Training; Pre-Job Meeting; PPE; Caution
	Pinch Points	3	3	4	3.3	Training; PPE; Caution (Potential for line to release stored energy)
	Extreme Weather	2	3	3	2.7	Communication; Pre-Job Meeting; Weather Watch; PPE
TOTAL FOR TASK					3.1	
Loading / Unloading Procedure	Pinch Points	3	4	4	3.7	Procedure Review; Pre-Job; Caution; PPE
	Bending Body	3	4	3	3.3	Procedure Review; Pre-Job; Caution; PPE
	Slipping	3	3	3	3.0	Pre-Job; Caution; PPE
	Explosion	2	2	5	3.0	Training; Procedure Review; Pre-Job; Communication; Caution; PPE
	Falls From Height	2	2	5	3.0	Fall Protection Training; Pre-Job; Caution; PPE
	Chemicals	2	3	4	3.0	Training; Procedure Review; Pre-Job; MSDS; Caution; PPE
	Pressure	2	2	5	3.0	Procedure Review; Pre-Job; Caution; PPE
	Debris	3	3	3	3.0	Pre-Job; Caution; PPE
	Extreme Weather	2	3	3	2.7	Pre-Job; Weather Watch; Caution
	Tripping	2	3	3	2.7	Pre-Job; Caution
Eye Injury	2	2	4	2.7	Procedure Review; Pre-Job; Caution; PPE	
TOTAL FOR TASK					3.0	
Bottomhole Bumper Spring Procedure	Pressure	2	2	5	3.0	Training; Pre-Job Meeting; Equipment; Caution; PPE
	H2S	2	2	5	3.0	H2S Training; Pre-Job Meeting; Communication; PPE
	Explosion	2	2	5	3.0	Procedure Review; Training; Pre-Job Meeting; PPE
TOTAL FOR TASK					3.0	
Caisson Entry Procedure	Fall From Height	2	3	5	3.3	Fall Protection Training; Pre-Job Meeting; ERP; PPE
	H2S	2	2	5	3.0	H2S Training; Confined Space Training; Pre-Job; PPE
	Explosion	2	2	5	3.0	Procedure Review; Pre-Job; Caution; PPE
	Wildlife	3	4	3	3.3	Procedure Review; Pre-Job; Caution;
	Slipping	2	3	3	2.7	Pre-Job Meeting; Caution; PPE
TOTAL FOR TASK					3.1	

* L = Likelihood
 * E = Exposure
 * C = Consequence



ELEMENT #2: HAZARD IDENTIFICATION & ASSESSMENT

March 2023



Task / Procedure Hazard Identification Matrix

Rev: 08/2023

Task / Procedure	Hazards	L*	E*	C*	Total Risk	Notes
General Driving/Travel Procedures	Extreme Weather	3	4	4	3.7	Procedure Review; Weather Watch; Communication; Caution
	Explosion	3	2	5	3.3	Procedure Review; Caution (Fueling vehicle is risk of explosion)
	Debris	2	4	3	3.0	Driving Procedures; Caution; (Probability of debris on roadway is high)
	Eye Injury	2	2	4	2.7	Caution; (Driving with windows open risks debris in eyes)
	Lighting	2	3	3	2.7	Pre-Job Meeting; Caution; Maintenance (clean headlights)
	Chemicals	2	2	4	2.7	Procedure Review; MSDS; Caution (fueling/maintenance involves chemicals)
	Wildlife	4	3	3	3.3	Communication; Caution; Safe Speeds
TOTAL FOR TASK					3.0	
Wax Knife Procedure	Pressure	2	3	5	3.3	Training; Procedure Review; Pre-Job; Caution; PPE
	Pinch Points	2	3	4	3.0	Procedure Review; Pre-Job; Caution; PPE
	H2S	2	2	5	3.0	H2S Training; Procedure Review; Pre-Job; Communication; Caution; PPE
	Explosion	2	2	5	3.0	Training; Procedure Review; Pre-Job; Caution; PPE
	Chemicals	3	2	4	3.0	Training; Procedure Review; MSDS; Caution; PPE
	Bending Body	2	3	3	2.7	Training; Procedure Review; Pre-Job; Caution
TOTAL FOR TASK					3.0	
Tank Truck Procedures	Pressure	2	3	5	3.3	Training; Procedure Review; Pre-Job; Caution; PPE
	H2S	2	2	5	3.0	H2S Training; Procedure Review; Pre-Job; Communication; Caution; PPE
	Explosion	2	2	5	3.0	Training; Procedure Review; Pre-Job; Caution; PPE
	Eye Injury	2	3	4	3.0	Procedure Review; Pre-Job; Caution; PPE
	Falls From Height	2	2	5	3.0	Fall Protection Training; Pre-Job; Caution; PPE
	Chemicals	2	2	4	2.7	WHMIS & TDG Training; Procedure Review; MSDS: Pre-Job; Caution; PPE
	Pinch Points	3	2	4	3.0	Procedure Review; Pre-Job; Caution; PPE
	Tripping	2	3	3	2.7	Pre-Job; Caution
	Extreme Weather	2	3	3	2.7	Procedure Review; Pre-Job; Caution; PPE
Slipping	2	3	3	2.7	Pre-Job; Caution	
TOTAL FOR TASK					2.9	
Magnet Use Procedure	Pressure	2	2	5	3.0	Procedure Review; Pre-Job; Caution; PPE
	H2S	2	2	5	3.0	H2S Training; Procedure Review; Pre-Job; Communication; Caution; PPE
	Explosion	2	2	5	3.0	Training; Pre-Job; Caution; PPE
	Eye Injury	2	3	4	3.0	Pre-Job; Caution; PPE
	Pinch Points	2	3	4	3.0	Procedure Review; Pre-Job; Caution; PPE
	Extreme Weather	2	3	3	2.7	Pre-Job; Weather Watch; Communication; Caution; PPE
TOTAL FOR TASK					2.9	
Plug Retrieval Procedure	Pressure	2	3	5	3.3	Training; Procedure Review; Pre-Job; Caution; PPE
	H2S	2	2	5	3.0	H2S Training; Procedure Review; Pre-Job; Communication; Caution; PPE
	Explosion	2	2	5	3.0	Training; Procedure Review; Pre-Job; Caution; PPE
	Chemicals	2	2	4	2.7	Training; Procedure Review; MSDS: Pre-Job; Caution; PPE
	Pinch Points	3	2	4	3.0	Procedure Review; Pre-Job; Caution; PPE
	Bending Body	2	3	3	2.7	Procedure Review; Pre-Job; Caution
TOTAL FOR TASK					2.9	

- * L = Likelihood
- * E = Exposure
- * C = Consequence

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CALCULATION:
Likelihood + Exposure + Consequence / 3 = RISK



Task / Procedure Hazard Identification Matrix

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Task / Procedure	Hazards	L*	E*	C*	Total Risk	Notes
Plunger Retrieval Procedure	Pressure	2	3	5	3.3	Training; Procedure Review; Pre-Job; Caution; PPE
	H2S	2	2	5	3.0	H2S Training; Procedure Review; Pre-Job; Communication; Caution; PPE
	Explosion	2	2	5	3.0	Training; Procedure Review; Pre-Job; Caution; PPE
	Chemicals	2	2	4	2.7	Training; Procedure Review; MSDS: Pre-Job; Caution; PPE
	Pinch Points	3	2	4	3.0	Procedure Review; Pre-Job; Caution; PPE
	Bending Body	2	3	3	2.7	Procedure Review; Pre-Job; Caution
TOTAL FOR TASK					2.9	
Blind Box Procedure	Pressure	2	3	5	3.3	Training; Procedure Review; Pre-Job; Caution; PPE
	Pinch Points	2	3	4	3.0	Procedure Review; Pre-Job; Caution; PPE
	H2S	2	2	5	3.0	H2S Training; Procedure Review; Pre-Job; Communication; Caution; PPE
	Explosion	2	2	5	3.0	Training; Procedure Review; Pre-Job; Caution; PPE
	Chemicals	2	2	4	2.7	Training; Procedure Review; MSDS: Pre-Job; Caution; PPE
	Extreme Weather	2	3	3	2.7	Pre-Job; Weather Watch; Caution
Bending Body	2	3	3	2.7	Procedure Review; Pre-Job; Caution	
TOTAL FOR TASK					2.9	
Sand Bailing - Pump Bailer Procedure	Pressure	2	3	5	3.3	Training; Procedure Review; Pre-Job; Caution; PPE
	Pinch Points	2	3	3	2.7	Procedure Review; Pre-Job; Caution; PPE
	H2S	2	2	5	3.0	H2S Training; Procedure Review; Pre-Job; Communication; Caution; PPE
	Explosion	2	2	5	3.0	Training; Procedure Review; Pre-Job; Caution; PPE
	Chemicals	2	3	4	3.0	Training; Procedure Review; MSDS: Pre-Job; Caution; PPE
	Extreme Weather	2	3	3	2.7	Pre-Job; Weather Watch; Caution
Bending Body	2	3	3	2.7	Procedure Review; Pre-Job; Caution	
TOTAL FOR TASK					2.9	
Sand-Line Inspection Procedure	Pressure	2	3	5	3.3	Training; Procedure Review; Pre-Job; Caution; PPE
	Pinch Points	2	2	2	2.0	Procedure Review; Pre-Job; Caution; PPE
	H2S	2	2	5	3.0	H2S Training; Procedure Review; Pre-Job; Communication; Caution; PPE
	Explosion	2	2	5	3.0	Training; Procedure Review; Pre-Job; Caution; PPE
	Chemicals	2	3	4	3.0	Training; Procedure Review; MSDS: Pre-Job; Caution; PPE
	Eye Injury	2	3	4	3.0	Procedure Review; Pre-Job; Caution; PPE
	Tripping	2	3	3	2.7	Pre-Job; Caution
	Extreme Weather	2	3	3	2.7	Pre-Job; Weather Watch; Caution
	Slipping	2	3	3	2.7	Pre-Job; Caution; PPE
Bending Body	2	3	3	2.7	Procedure Review; Pre-Job; Caution	
TOTAL FOR TASK					2.8	
Slip & Cut Sandline Procedure	Pinch Points	2	4	4	3.3	Procedure Review; Pre-Job; Caution; PPE
	Eye Injury	2	3	4	3.0	Procedure Review; Pre-Job; Caution; PPE
	Tripping	2	3	3	2.7	Pre-Job; Caution
	Slipping	2	3	3	2.7	Pre-Job; Caution
	Extreme Weather	1	3	3	2.3	Pre-Job; Weather Watch; Caution
TOTAL FOR TASK					2.8	

* L = Likelihood
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 * C = Consequence

CALCULATION:
 Likelihood + Exposure + Consequence / 3 = RISK



ELEMENT #2: HAZARD IDENTIFICATION & ASSESSMENT

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Task / Procedure Hazard Identification Matrix

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Task / Procedure	Hazards	L*	E*	C*	Total Risk	Notes
Welding Equipment Procedure	Pressure	1	3	5	3.0	Training; Procedure Review; Pre-Job; PPE
	Eye Injury	3	4	4	3.7	Pre-Job; Caution; PPE
	Burner Flame	2	5	3	3.3	Training; Procedure Review; Pre-Job; PPE
	Explosion	1	3	5	3.0	Training; Procedure Review; Pre-Job; PPE
	Pinch Points	1	3	4	2.7	Training; Procedure Review; Pre-Job; PPE
	Bending Body	2	3	3	2.7	Pre-Job; Caution; Frequent Breaks
	Noise	2	3	3	2.7	Pre-Job; Caution; PPE
	Lighting	1	3	3	2.3	Pre-Job; Equipment; Caution; PPE
	Extreme Weather	1	3	3	2.3	Pre-Job; Weather Watch; Communication; Caution; PPE
TOTAL FOR TASK					2.9	
Wire Rope in Well Retrieval (Stuck in Well) Procedure	Pinch Points	1	5	4	3.3	Training; Procedure Review; Pre-Job; Caution; PPE
	Pressure	3	3	5	3.7	Training; Procedure Review; Pre-Job; Caution; PPE
	Explosion	1	3	5	3.0	Training; Procedure Review; Pre-Job; Caution; PPE
	Bending Body	1	5	3	3.0	Pre-Job; Caution; Frequent Breaks
	H2S	1	3	5	3.0	H2S Training; Pre-Job; Caution; PPE
	Tripping	1	4	3	2.7	Pre-Job; Caution
	Eye Injury	1	3	4	2.7	Pre-Job; Caution; PPE
	Lighting	1	3	3	2.3	Pre-Job; Equipment
	Extreme Weather	1	3	3	2.3	Pre-Job; Weather Watch; Communication; Caution; PPE
	Slipping	1	3	3	2.3	Pre-Job; Caution; PPE
	Debris	1	3	3	2.3	Pre-Job; Equipment Guards; Caution; PPE
TOTAL FOR TASK					2.8	
Inventory Management	Harassment	1	2	3	2.0	Caution; Awareness of threatening behaviour
	Lifting	3	3	3	3.0	Pre-Job; Caution; Proper Lift Technique; Two-Man Lift
	Bending Body	2	3	3	2.7	Pre-Job; Caution; Frequent Breaks; Stretching
TOTAL FOR TASK					2.6	
Gauge Ring Procedure	H2S	2	3	5	3.3	H2S Training; Procedure Review; Pre-Job; Caution; PPE
	Explosion	2	3	5	3.3	Training; Procedure Review; Pre-Job; Caution; PPE
	Pinch Points	2	3	4	3.0	Procedure Review; Pre-Job; Caution; Communication; PPE
	Pressure	2	2	5	3.0	Procedure Review; Pre-Job; Caution; PPE
TOTAL FOR TASK					2.5	
Accident / Incident Investigation	Chemical	1	3	5	3.0	WHMIS Training; MSDS; Caution; PPE
	H2S	1	2	5	2.7	H2S Training; Pre-Job; Caution; PPE
	Biological	1	3	4	2.7	Training; Pre-Job; PPE
	Bending Body	1	3	3	2.3	Pre-Job; Caution; Frequent Breaks
	Slipping	1	3	3	2.3	Pre-Job; Caution; PPE
	Tripping	1	3	3	2.3	Pre-Job; Caution
	Extreme Weather	1	3	3	2.3	Pre-Job; Weather Watch; Communication; Caution; PPE
	Fumes	1	3	3	2.3	Training; Pre-Job; PPE
	Harassment	2	2	3	2.3	Caution
TOTAL FOR TASK					2.5	

- * L = Likelihood
- * E = Exposure
- * C = Consequence

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CALCULATION:
Likelihood + Exposure + Consequence / 3 = RISK



ELEMENT #2: HAZARD IDENTIFICATION & ASSESSMENT

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Task / Procedure Hazard Identification Matrix

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Task / Procedure	Hazards	L*	E*	C*	Total Risk	Notes
Equipment Maintenance	Pinch Points	2	4	4	3.3	Training; Procedure Review; Pre-Job; Caution; PPE
	Pressure	2	3	4	3.0	Training; Procedure Review; Pre-Job; Caution; PPE
	Chemicals	2	3	3	2.7	WHMIS Training; Pre-Job; MSDS; Caution; PPE
	Awkward Posture	3	2	3	2.7	Pre-Job; Caution; Frequent Breaks; Stretching
	Eye Injury	2	2	3	2.3	Pre-Job; Caution; PPE
	Tripping	1	2	3	2.0	Pre-Job; Caution
	Bending Body	2	3	3	2.7	Pre-Job; Caution; Frequent Breaks; Stretching
	Noise	3	2	3	2.7	Pre-Job; PPE
TOTAL FOR TASK					2.7	
Housekeeping	Chemicals	2	3	4	3.0	WHMIS Training; Pre-Job; MSDS; Caution; PPE
	Biological	2	3	3	2.7	Training; Pre-Job; PPE
	Bending Body	2	3	3	2.7	Pre-Job; Caution; Frequent Breaks; Stretching
	Fumes	2	3	3	2.7	Training; Procedure Review; Ventilation Pre-Job; Caution; PPE
	Dusts	2	2	3	2.3	Training; Procedure Review; Pre-Job; Caution; PPE
TOTAL FOR TASK					2.7	
Audits	Musculoskeletal	1	2	4	2.3	Pre-Job; Caution; Frequent Breaks
	Harassment	2	4	3	3.0	Caution
	Noise	1	3	3	2.3	Pre-Job; PPE
	Fumes	1	3	3	2.3	Training; Pre-Job; PPE
	Slipping	1	3	3	2.3	Pre-Job; Caution; PPE
	Chemicals	1	2	4	2.3	WHMIS Training; Pre-Job; MSDS; Caution; PPE
	Tripping	1	3	3	2.3	Pre-Job; Caution
	Extreme Weather	1	2	3	2.0	Pre-Job; Weather Watch; Communication; Caution; PPE
TOTAL FOR TASK					2.4	
General Shop Labour	Pinch Points	2	3	4	3.0	Training; Procedure Review; Pre-Job; Caution; PPE
	Dusts	2	3	3	2.7	Training; Procedure Review; Pre-Job; Caution; PPE
	Fumes	2	3	4	3.0	Training; Procedure Review; Ventilation Pre-Job; Caution; PPE
	Chemicals	2	3	4	3.0	WHMIS Training; Pre-Job; MSDS; Caution; PPE
	Noise	2	3	3	2.7	Pre-Job; PPE
	Bending Body	3	3	3	3.0	Pre-Job; Caution; Frequent Breaks; Stretching
	Tripping	1	2	3	2.0	Pre-Job; Caution
	Biological	1	2	3	2.0	Training; Pre-Job; PPE
	Fall From Height	1	2	4	2.3	Fall Protection Training; Pre-Job; Caution; PPE
	Lifting	1	2	3	2.0	Pre-Job; Caution; Proper Lift Technique; Two-Man Lift
	Cuts / Scrapes	2	3	2	2.3	Caution; PPE
Contusion	1	1	1	1.0	Caution; PPE	
TOTAL FOR TASK					2.4	
Customer Service	Harassment	1	2	3	2.0	Caution; Awareness of threatening behaviour
	Violence	1	2	4	2.3	Caution; Awareness of threatening behaviour
TOTAL FOR TASK					2.2	

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ELEMENT #2: HAZARD IDENTIFICATION & ASSESSMENT

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Task / Procedure Hazard Identification Matrix

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Task / Procedure	Hazards	L*	E*	C*	Total Risk	Notes
Discipline of Employees	Harassment	1	2	3	2.0	Caution; Awareness of threatening behaviour
	Violence	1	2	4	2.3	Caution; Awareness of threatening behaviour
TOTAL FOR TASK					2.2	
Recruiting	Violence	1	1	4	2.0	Caution; Awareness of threatening behaviour
	Harassment	1	3	3	2.3	Caution; Awareness of threatening behaviour
	Mental Stress	1	2	2	1.7	Caution; Ask for Help
TOTAL FOR TASK					2.0	
Computer Use	Musculoskeletal	1	4	3	2.7	Frequent Breaks; Stretching
	Lighting	2	3	2	2.3	Adequate Lighting; Do not operate in the dark; backlighted screen
	Glare	1	3	2	2.0	Screen cover; turn screen away from sources of light
	Fatigue	2	3	2	2.3	Frequent Breaks
	Harassment	1	2	3	2.0	Caution; Awareness of threatening behaviour
	Noise	1	2	3	2.0	Keep volume at acceptable level; Caution with headphones
TOTAL FOR TASK					2.2	
Training	Musculoskeletal	2	3	3	2.7	Frequent Breaks; Stretching
	Harassment	1	3	3	2.3	Caution; Awareness of threatening behaviour
	Awkward Posture	1	2	3	2.0	Frequent Breaks; Stretching
	Mental Stress	1	3	2	2.0	Caution; Ask for Help
	Fatigue	1	2	2	1.7	Caution; Fatigue Management Plan
TOTAL FOR TASK					2.1	
Inspections	Extreme Weather	2	3	3	2.7	Pre-Job; Weather Watch; Communication; Caution; PPE
	H2S	1	1	5	2.3	H2S Training; Pre-Job; Caution; PPE
	Explosion	1	1	5	2.3	Training; Procedure Review; Pre-Job; Caution; PPE
	Slipping	1	3	3	2.3	Pre-Job; Caution; PPE
	Tripping	1	3	3	2.3	Pre-Job; Caution
	Fall From Height	2	2	4	2.7	Fall Protection Training; Pre-Job; Caution; PPE
	Harassment	1	3	3	2.3	Caution; Awareness of threatening behaviour
	Dusts	1	2	3	2.0	Training; Procedure Review; Pre-Job; Caution; PPE
	Fumes	2	2	3	2.3	Training; Procedure Review; Ventilation Pre-Job; Caution; PPE
	Biological	1	2	3	2.0	Training; Pre-Job, PPE
	Chemicals	1	2	3	2.0	WHMIS Training; Pre-Job; MSDS; Caution; PPE
	Bending Body	2	2	2	2.0	Pre-Job; Caution; Frequent Breaks; Stretching
	Confined Space	1	1	3	1.7	Confined Space Training; Confined Space Pre-Assessment; Pre-Job; PPE
	Wildlife	1	1	3	1.7	Pre-Job; Communication; Caution
TOTAL FOR TASK					2.2	

- * L = Likelihood
- * E = Exposure
- * C = Consequence



Task / Procedure Hazard Identification Matrix

Rev: 08/2023

Task / Procedure	Hazards	L*	E*	C*	Total Risk	Notes
Emergency Response Drills	Extreme Weather	1	2	3	2.0	Pre-Job; Weather Watch; Communication; Caution; PPE
	Chemicals	1	1	4	2.0	WHMIS Training; Pre-Job; MSDS; Caution; PPE
	Tripping	1	2	3	2.0	Pre-Job; Caution
	Biological	1	1	3	1.7	Training; Pre-Job, PPE
	Slipping	1	1	3	1.7	Pre-Job; Caution; PPE
	Noise	2	1	2	1.7	Pre-Job; PPE
TOTAL FOR TASK					2.2	
Paperwork	Mental Stress	2	3	3	2.7	Caution; Ask for Help
	Musculoskeletal	2	3	2	2.3	Frequent Breaks; Stretching
	Biological	1	2	2	1.7	Awareness; PPE (Field paperwork may be contaminated) wear gloves if necessary)
TOTAL FOR TASK					1.7	

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The following pages include a job inventory list for Swab Master Ltd., the job descriptions, and a job hazard assessment matrix for each position.

The job hazard assessment matrix is a good tool to assess which tasks in the position have the highest risk rating. While this is a helpful tool, it is obligatory to review every procedure related to the task and to do a pre-job assessment to rate hazards that you may be exposed to.

Job Inventory

Risk Rating

Tank Truck Driver / Rig Assistant	2.2
Rig Supervisor	2.0
Assistant Manager	1.6
HS Representative	1.4
General Manager	1.2
Administration / Reception	0.8
Office Manager	0.7

**TANK TRUCK DRIVER / RIG ASSISTANT**

Summary: The Tank Truck Driver / Rig Assistants are to assist the Rig Supervisor in the day-to-day operations and maintenance of Swab Master Ltd. swabbing rigs, tank trucks and pickup trucks. They are responsible for their safety as well as the safety of their coworkers.

Typical duties are but not limited to:

- Promote safety awareness with themselves, and those around them.
- Ensure your fellow workers conduct safe work practices and follow work procedures.
- Understand and adhere to all policies and procedures in the Health & Safety Manual.
- Arrive fit for work and remain fit for work during your period of duty. See Section 3, Substance Abuse in Element 3 for your responsibilities.
- Report all near misses, first aid, medical aid accidents to the General Manager.
- Fill in Fluid Transfer Reports as necessary, making sure that all applicable fields are filled out. This document is to be given to the Rig Supervisor to attach to the Field Ticket it pertains to.
- Immediately report all incidents, accidents, near misses, first aid, medical aid accidents to the General Manager and / or HS Representative. Do not disturb the scene if OH&S or police will be involved.
- Ensure proper P.P.E. is always worn.
- Keep an accurate daily record of kilometer and fuel usage and submit the report to the office no later than the 15th of the following month.
- Understand your rights under the Occupational Health & Safety Act.
- Assist in all pre job assessments, control or eliminate hazard if possible.
- Ensure the “no smoking” policies are followed as per the contract well site requirements.
- Ensure that no part of the tank truck or other company vehicles are off lease road limits or lease limits.
- Thoroughly complete all required inspections as per the maintenance policy.
- Be observant of your work area regarding Health & Safety issues and fill in at least 1 Opportunity Report per week.
- Attend all safety meetings if available.
- Record time worked accurately on a supplied timesheet daily (or upon arrival at the shop if working out of town). The Rig Supervisor is responsible for assisting you with information you need.
- Shut down operations and clear the area if an accident causes or could cause a serious injury. (See emergency procedures for working with media and next of kin)
- Not abusing equipment or highball. (Work is to be displaced in a “Flow motion” to avoid damage to the equipment.)
- Ensure Drivers Daily Logbook is filled out properly according to Alberta Transportation standards.
- Participating in Emergency Response Plan Drills.
- Assist in evaluating new and existing procedures.
- Notifying office if safety tickets expire within two months.

Qualification and/or Experience Requirements:

- Ability to multi-task.
- Ability to understand and execute oral and written instruction.
- Ability to perform well and to execute, organize and take control when required in an emergency.
- Must have all applicable oilfield tickets, including H2S, First Aid, PST/eGSO, TDG & WHMIS and any client orientations required.
- Ability to read, write in English and perform simple math equations is required.



ELEMENT #2: HAZARD IDENTIFICATION & ASSESSMENT

March 2023

JOB DESCRIPTION:		Job Hazard Assessment Matrix												TOTALS			
		Pressure / Pinch Points	Slip / Trip / Fall	Fire / Explosion	Extreme Weather	Chemical Exposure (H2S, Methane, Etc.)	Workplace Violence / Harassment	Musculoskeletal Injury	Noise	Fall From Height	CONTROLS						
Tank Truck Driver / Rig Assistant		L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	(Engineering, Administrative, PPE)
Overall Rating: 2.2		3.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	2.8
Duties / Job Tasks		H/S	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3.0
Wash Bay Procedure		H/S	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2.8
Tank Truck Procedures		H/S	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3.0
Caisson Entry / Confined Space		H/S	2	3	4	2	3	3	2	2	5	2	1	3	2	3	3.0
Loading / Unloading Procedures		H/S	3	4	4	3	3	3	2	2	5	2	2	3	3	4	2.8
Equipment Inspections		H/S	3	2	5	2	3	3	2	4	5	0	0	0	2	3	2.6
Emergency Response Drills		H/S	2	1	2	1	2	3	1	1	5	2	1	2	3	2	2.3
Gas Detection Procedure		H/S	2	4	5	2	3	4	2	4	5	3	3	4	3	4	2.3
Pipe Wrench Procedure		H/S	3	4	5	3	4	3	3	3	5	2	3	3	5	0	2.3
Hose Reel Procedure		H/S	3	4	4	3	3	3	3	3	5	1	2	3	3	5	2.3
H2S Trailer Procedure		H/S	1	5	5	2	2	1	1	4	5	2	3	3	1	5	2.0
Housekeeping		H/S	3	4	2	3	2	2	2	2	5	0	0	2	3	4	1.9
Lock Out / Tag Out Procedure		H/S	3	3	5	0	0	0	3	3	5	0	0	2	3	5	1.7

**** Always review the Task / Procedure Hazard Identification Matrix for additional Hazards & Control Methods**

LOCATION: BROOKS PARTICIPANTS: Andre' St-Germain, Abe Giesbrecht, Chad Latham, David Tobin

SIGN OFF: *LL ASYS*
AS. HCG DT

DATE: July 2023

TOTAL: 28.7

**RIG SUPERVISOR**

Summary: The Rig Supervisor will be responsible for the day-to-day operation of swabbing services and equipment. The Rig Supervisor is also responsible for the supervision of the workers / new employees.

Typical duties are but not limited to:

- Understand and adhere to all policies and procedures in the Health & Safety Manual.
- Understand and comply with responsibilities as set forth in the Occupational Health & Safety Act.
- Promote safety awareness with themselves, and those around them. Ensure your fellow workers conduct safe work practices and follow work procedures.
- Ensure workers know what is expected of them, have proper training and documentation for any employee training and acknowledge any new or young workers to the worksites.
- Ensure correct P.P.E. is always worn properly and maintained in good physical condition.
- ALL crew members arrive on time; have current safety tickets, fit for duty, and competent to perform the tasks assigned.
- Conduct pre-job assessments (JSA) on each job site, stop if the job conditions change and conduct another pre job. If possible, remove hazardous conditions. When necessary, contact the office or general manager to help control hazard(s). Stop Work if it becomes unsafe, inform workers of their right to refuse unsafe work.
- Ensure copies of all necessary forms are kept in your unit & are up to date.
- Rig Manager Inspection Reports completed weekly and submitted to the office.
- Supervise new assigned employee(s) and continue until assigned to a different supervisor, or training is complete, and they have been signed off as competent.
- Derrick Inspections performed and completed at least daily while operating the rig.
- Keep an accurate daily record of kilometer and fuel usage and submit the report to the office no later than the 15th of the following month.
- Ensure Drivers Daily Logbook is filled out properly according to Alberta Transportation standards.
- Be observant of your work area regarding Health & Safety issues and fill in at least one Opportunity Report per week.
- Conducting and documenting Emergency Response Plan drills at least once a month
- Immediately report all incidents, accidents, near misses, first aid, medical aid accidents to the General Manager and / or HS Representative. Do not disturb the scene if OH&S or police will be involved.
- Shut down operations and clear the area if an accident causes or could cause a serious injury. (See emergency procedures for working with media and next of kin in Element 8 of the Health & Safety Manual
- Ensure the “no smoking” policies are followed as per well site requirements.
- Ensure that no part of the rig or other company vehicles are off lease road limits or lease limits.
- Thoroughly complete all required vehicle / equipment inspections as per the maintenance policy.
- Make sure all necessary materials have WHMIS labels and that MSDS sheets are up to date on your assigned unit.
- Ensure that CVIC tickets, insurance and any transportation documents are present in your unit.
- Call in to the General Manager or Assistant Manager if problems should develop or persist.
- Correctly completing Field Tickets, ensuring that all charges and client’s information are included. Also, having the Client Representative signature and coding present before submitting to the office. Your Pre-Job Safety Meeting, Swab Reports and Fluid Transfers should all be attached, as well as any client documentation (i.e.: Safe Work Permits).
- Attend all safety meetings if you are available.
- Assist in evaluating new and existing procedures and completing yearly hazard matrix assessments.
- Notifying office if safety tickets expire within two months.
- Record time worked accurately on a supplied timesheet daily (or upon arrival at the shop if working out of town). The Rig Supervisor is responsible for helping his/her assistant correctly fill in their timesheet.



Qualification and/or Experience Requirements:

- Excellent supervisory skills and an ability to multi-task.
- Ability to read, write and perform simple math equations is required.
- Ability to understand and execute oral and written instruction as well as Be able to give clear and concise instruction.
- Must have all applicable oilfield tickets, including H2S, First Aid, CSO, TDG & WHMIS and any client orientations required.
- Ability to perform well and to execute, organize and take control when required in an emergency.
- Ability to assist clients, customers, and employees in a courteous and professional manner in person and on the phone.
- 5+ years of experience in Oil & Gas Servicing and Workshop 101: Management Leadership Strategies (AASP)



ELEMENT #2: HAZARD IDENTIFICATION & ASSESSMENT

March 2023

JOB DESCRIPTION:		Job Hazard Assessment Matrix												TOTALS									
Rig Supervisor		Pressure / Pinch		Slip / Trip / Fall		Fire / Explosion		Extreme Weather		Chemical Exposure (H2S, Methane, Etc.)		Workplace Violence / Harassment		Musculoskeletal Injury		Noise		Fall From Height		CONTROLS (Engineering, Administrative, PPE)			
H/S	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C		
Overall Rating:	2.0																						
Duties / Job Tasks	3	2	2	2	2	2	3	3	5	4	4	3	2	2	3	3	2	2	3	3	2	4	
Training	2.3	2.3	2.3	2.3	2.3	2.3	3.7	3.7	3.7	3.3	3.3	2.3	2.7	2.3	2.3	3.0	3.0	2.3	3.0	3.0	3.0	4	
Tank Truck Procedure	3	3	5	3	3	3	3	5	2	4	4	3	3	5	1	1	3	2	3	4	1	1	3
Wash Bay Procedure	3	3	3	3	4	3	2	3	5	0	0	3	4	5	2	1	3	3	3	3	3	4	3
Hydrostatic Lubricator Pressure Test	4	5	5	3	3	3	2	5	1	2	3	2	2	5	0	0	3	4	4	0	0	1	5
Caisson Entry / Confined Space	2	3	4	2	3	3	2	2	2	2	3	2	2	5	2	1	3	2	3	4	2	1	2
General Shop Labour	2	2	3	2	3	3	2	3	5	0	0	2	3	5	1	1	3	3	3	3	5	3	4
Equipment Inspections & Service	2	3	3	2	3	3	2	3	3	3	3	3	3	3	2	0	2	3	4	1	2	2	4
Emergency Response Drills	2	1	2	1	2	3	1	1	5	2	1	2	3	2	4	3	4	3	2	1	2	1	3
Broaching Tool Procedure	2	3	5	2	3	3	2	2	5	2	3	3	2	2	5	1	1	3	2	3	4	1	1
Gas Detection Procedure	2	4	5	2	3	4	2	4	5	3	3	4	3	5	0	0	2	3	4	0	0	0	0
Pipe Wrench Procedure	4	4	4	3	4	3	3	3	5	2	3	3	2	3	5	0	0	3	4	3	0	0	0
Tool Retrieval / Side Entry Procedure	2	4	5	2	3	3	2	3	5	2	3	3	2	2	5	1	1	3	2	4	3	2	2
TOTALS	3.7	2.7	2.7	3.3	3.3	3.3	2.7	2.7	2.7	3.0	3.0	1.7	3.0	3.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0

1 TOTAL: 30.5

**** Always review the Task / Procedure Hazard Identification Matrix for additional Hazards & Control Methods**

LOCATION: BROOKS PARTICIPANTS: Andre' St-Germain, Abe Giesbrecht, Chad Latham, David Tobin DATE: July 2023 SIGN OFF: *A.G. FT*
ASTG HG CL



JOB DESCRIPTION:		Job Hazard Assessment Matrix												TOTALS																
		Pressure / Pinch Points	Slip / Trip / Fall	Fire / Explosion	Extreme Weather	Chemical Exposure (H2S, Methane, Etc.)	Workplace Violence / Harassment	Musculoskeletal Injury	Noise	Fall From Height	CONTROLS (Engineering, Administrative, PPE)																			
Rig Supervisor																														
Overall Rating:		2.0																												
Duties / Job Tasks	H/S	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C														
Swabbing Procedures	H/S	2	4	5	2	3	3	2	3	5	2	3	3	2	2	5	0	0	0	3	3	3	3	3	0	0	0	Training; Swabbing Procedures; JSA; ERP; Communication; Equipment Inspections; SCBA; PPE	2.4	
Gas Cylinder Procedure	H/S	2	4	5	2	3	3	2	3	5	1	3	3	1	2	4	1	1	1	1	2	4	1	3	3	0	0	0	JSA; ERP; Gas Cylinder Procedure; Training; PPE	2.2
Bumper Spring Setting Procedure	H/S	2	2	5	2	3	3	2	2	5	2	3	3	2	2	5	1	1	3	2	3	3	1	1	1	0	0	0	JSA; ERP; Bumper spring setting Procedure; Equipment inspection; Training; PPE	2.2
Hose Reel Procedure	H/S	3	4	4	3	3	3	3	3	5	1	2	3	3	3	5	0	0	0	3	2	4	1	1	2	0	0	0	Training; Equipment Inspection; Tank Truck Procedure; Hose Reel Procedure; PPE	2.3
Gauge Ring Procedure	H/S	2	2	5	2	2	3	2	3	5	2	3	3	2	3	5	0	0	0	2	3	4	1	1	1	0	0	0	JSA; ERP; Equipment Inspection; Training; gauge ring procedure; PPE	2.1
Wire Rope in Well Procedure	H/S	3	3	5	1	3	3	1	3	5	1	3	3	2	5	5	1	1	3	1	5	3	0	0	0	0	0	0	JSA; ERP; Wire Rope in Well Retrieval Procedure; Training; Communication; PPE	2.2
H2S Trailer Procedure	H/S	1	5	5	2	2	1	1	4	5	2	3	3	1	5	5	0	0	0	1	2	4	0	0	0	0	0	0	Training; H2S Trailer Procedure; JSA; ERP; Equipment Inspection; SCBA; PPE	1.9
Impression Block Procedure	H/S	2	2	5	2	3	3	2	3	5	1	2	3	2	3	5	0	0	0	2	3	4	0	0	0	0	0	0	Training; Impression Block Procedure; ERP; JSA; PPE	1.9
Housekeeping	H/S	3	4	2	3	2	2	2	5	0	0	0	0	2	3	4	2	2	3	2	3	3	1	1	1	0	0	0	WHMIS Training; Maintenance Policy; PPE	1.9
Blind Box Procedure	H/S	2	3	5	2	2	2	2	2	5	1	3	3	2	2	5	0	0	0	2	3	3	0	0	0	0	0	0	Blind Box Procedure; Training; JSA; ERP; PPE	1.8
Magnet Use Procedure	H/S	2	2	5	1	2	2	2	2	5	2	3	3	2	2	5	0	0	0	2	3	4	0	0	0	0	0	0	Magnet use Procedure; Training; JSA; ERP; PPE	1.8
Driving / Backing Up	H/S	3	3	5	0	0	0	3	1	4	5	4	4	2	1	1	4	2	1	2	5	1	0	0	0	0	0	0	Seat Belts; Proper Seating; Lighting; Inspection; Communication	1.9

** Always review the Task / Procedure Hazard Identification Matrix for additional Hazards & Control Methods

2 TOTAL: 24.6

LOCATION: BROOKS PARTICIPANTS: Andre' St-Germain, Abe Giesbrecht, Chad Latham, David Tobin DATE: July 2023 SIGN OFF: ASKA HG AT CC

**ASSISTANT MANAGER**

Summary: The Assistant Manager is responsible for managing the people, facilities, safety, environmental compliance and providing customer service. The Assistant Manager will serve as holiday, sick leave, or workload relief for the General Manager.

Typical duties are but not limited to:

- Ensure confidentiality of all information.
- Understand and adhere to all policies and procedures as outlined in the Health & Safety Manual.
- Understand and comply with all responsibilities as set forth in the Occupational Health & Safety Act.
- Ensure correct PPE is worn when required.
- Confer with client's representatives to ensure a good working relationship is upheld.
- Responsible for managing workers and day to day operations of the shop and workload.
- Recruiting and hiring of staff and assistance in training procedures
- Monitoring activities to ensure company policies and procedures as well as Government regulations comply.
- Regular review of submitted documentation such as timesheets, logbooks, inspections, and Opportunity Reports to ensure they are being done properly.
- Coordinate accident/incident investigations as required and delegate tasks to employees who are trained in investigation techniques.
- Promote the Health & Safety systems through leading by example and promote teamwork by recognizing accomplishments and achievements by employees.
- Document staff problems and use progressive discipline procedures as outlined in the Health & Safety Manual to assist employees achieve expected performance standards.
- Perform work site inspections monthly, Rig & Tank Spot Inspections monthly and shop inspections monthly. Also, mentor employees on what to look for during an inspection and how to facilitate controls for recognized hazards.
- Sign visitors and contractors into the shop area and review the safety orientation with them.
- Complete follow up from Opportunity Reports assigned and delegate to employees as necessary.
- Confer with the General Manager concerning problems with employees, equipment or processes and ensure that follow up is completed to resolution.
- Assist in managing the Drug and Alcohol program.
- Assist the HS Representative with accident/incident investigations, safety meetings, review of policies and procedures and annual review of hazard assessments.
- Serve as a relief Rig Supervisor or Rig Assistant when required.
- Conduct Emergency Response Drills (shop evacuations, man down drills, natural disaster drills, etc.) once per month.
- Any other duties or tasks as assigned by the General Manager
- Qualification and/or Experience Requirements:
- Excellent management and supervisory skills.
- Ability to multi-task
- Ability to understand and execute oral and written instruction.
- Be able to give clear and concise instruction.
- Ability to perform well and to execute, organize, and take control when required in an emergency.
- Ability to assist clients, customers, and employees in a courteous and professional manner in person and on the phone.
- Minimum Grade 12 diploma and 5+ years of experience in Oil & Gas Servicing. As well as knowledge and experience with Word, Excel, and Outlook
- Workshop 101: Management Leadership Strategies (AASP), all applicable Oilfield tickets, including H2S, First Aid, WHIMIS, TDG, PST/eGSO/CSO and any applicable client orientations required for site visits.

Job Hazard Assessment Matrix																																				
JOB DESCRIPTION:	Pressure / Pinch			Slip / Trip / Fall			Fire / Explosion			Extreme Weather			Chemical Exposure (H2S, Methane, Etc.)			Workplace Violence / Harassment			Musculoskeletal Injury			Noise			Fall From Height			CONTROLS (Engineering, Administrative, PPE)	TOTALS							
	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C									
Assistant Manager																																				
Overall Rating:	1.6																																			
Duties / Job Tasks	H/S	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C		
Training	H/S	3	2	2	3	2	2	3	3	5	4	4	3	2	3	5	2	2	3	2	3	3	4	3	2	2	3	2	3	2	4	Management Training; Ergonomics; PPE; Fatigue	2.9			
Tank Truck Driver / Rig Assistant Relief	H/S	SEE TANK TRUCK DRIVER/RIG ASSISTANT JOB HAZARD ASSESSMENT MATRIX																																		
Emergency Response Drills	H/S	2	1	2	2	3	3	1	1	5	1	2	3	1	1	4	1	2	3	2	2	3	2	2	2	2	2	1	1	1	3	Training; Practice; JSA; PPE	2.1			
General Shop Labour	H/S	2	3	4	1	2	3	1	2	5	0	0	1	3	4	1	1	1	3	1	3	3	2	2	3	1	1	4	Machine Guards; Housekeeping; PPE; WHMIS Training;	2.1						
Rig Operator Relief	H/S	SEE RIG SUPERVISOR JOB HAZARD ASSESSMENT MATRIX																																		
Housekeeping	H/S	3	4	2	2	2	2	5	0	0	2	3	4	2	2	3	2	2	3	2	3	3	0	0	0	0	0	0	Training; PPE	1.8						
Accident / Incident Investigations	H/S	1	1	1	2	3	3	1	1	5	2	2	3	1	1	1	3	3	3	2	1	2	1	1	1	1	1	1	Training; PPE	1.8						
Work Site Inspections	H/S	1	1	3	2	1	3	1	2	5	4	4	4	1	2	4	2	2	3	0	0	0	0	0	0	1	1	1	Pre-Job; Caution; PPE	1.8						
Driving / Backing Up	H/S	2	1	4	0	0	0	3	1	4	4	4	4	2	1	1	4	2	1	2	5	1	0	0	0	0	0	0	Seat Belts; Proper seating; vehicle inspections;	1.7						
Shop Inspections	H/S	1	1	3	2	1	3	1	2	5	0	0	1	2	4	0	0	0	0	0	0	3	3	3	1	2	4	training; Caution; PPE	1.6							
Customer Service	H/S	0	0	1	1	1	0	0	0	3	2	3	1	1	1	3	2	3	1	1	1	0	0	0	0	0	0	0	Training; Awareness of threatening behaviour	0.9						
Paperwork	S	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	2	3	3	0	0	0	0	0	0	Ergonomic workspace; PPE where necessary;	0.7						

**** Always review the Task / Procedure Hazard Identification Matrix for additional Hazards & Control Methods**

LOCATION: BROOKS PARTICIPANTS: Hong Zhong Guo, Garth Smith DATE: July 2021 SIGN OFF:

Job Hazard Assessment Matrix

JOB DESCRIPTION:	Pressure / Pinch Points			Slip / Trip / Fall			Fire / Explosion			Extreme Weather			Chemical Exposure (H2S, Methane, Etc.)			Workplace Violence / Harassment			Musculoskeletal Injury			Noise			Fall From Height			TOTALS							
	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C								
Assistant Manager																																			
Overall Rating:	1.6																																		
Duties / Job Tasks	H/S	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	
Computer Use	S	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6
Discipline	S	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	3	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5
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** Always review the Task / Procedure Hazard Identification Matrix for additional Hazards & Control Methods

2 TOTAL: 1.0

LOCATION: BROOKS PARTICIPANTS: Hong Zhong Guo, Garth Smith DATE: July 2021 SIGN OFF: *HG*

**HS REPRESENTATIVE**

Summary: Responsible for all safety operations within Swab Master Ltd., including but not limited to all correspondence, administration of records, field reviews and audits. To be the designated safety officer at the time of any emergency and to ensure policy and procedures are followed.

Typical duties are but not limited to:

- Ensure confidentiality of all information
- Ensure all staff is aware of their individual or group responsibilities under the Occupational Health & Safety Act.
- Ensure the company is meeting the requirements of all applicable governing bodies - Government of Alberta, Occupational Health & Safety, Transportation, etc....
- Ensure all permit requirements have been met for the facility, vehicles, equipment, or staff.
- Attend client safety meetings, safety stand-downs and distribute any information released from clients to all staff members. Assist clients in audits of the safety program when necessary.
- Ensure all employees are trained and have all safety tickets needed, to comply with company policies and procedures, and to do their jobs safely. This will also include requesting PST training and all Swab Master online training modules.
- Ensure all employees have taken orientations for all oil service company clients.
- To ensure all drug, hearing, and mask fit tests have been completed.
- Pull bump test calibration information and review for deficiency.
- Coordinates safety program and instructs employees in matters pertaining to health and safety regulations.
- Instructs drivers regarding company regulations, penalties for infraction of rules, or safety and conservation measures.
- Wear appropriate PPE as required for the location.
- Run job ads and review resumes.
- Review and update any applicable Hazard Identification Matrixes.
- Complete monthly safety training calendars and company bulletins for the website.
- Maintains safety manual, updates policies and procedures, and completes necessary forms.
- Investigates accidents involving the company, questions witnesses and employees to determine causes of accidents, and makes adjustments in accordance with governmental regulatory agencies and company procedures.
- Is available in case of emergency to assist OH&S (Occupational Health & Safety), WCB (Workers Compensation Board) and authorized EMS (Police, Fire, Ambulance) with their reviews and investigations.
- Ensure that any WCB claims are submitted within the required time frame.
- Sets up safety meetings and attends all safety meetings and ensure that new issues are brought forward and understood, and any new policy or procedure is followed.
- Keeps track of incidents, near misses, first aid reports and emergency response drills.
- Keeps track of inspections and deficiencies and ensure employees are completing all inspections.
- Maintain the Opportunity Report sheet to ensure all deficiencies are corrected or controlled in a timely manner.
- Prepare and complete internal audits for COR (Certificate of Recognition) purposes.
- To do on-site visits to work locations to ensure safety is being followed.
- Analyzes accident reports to determine employee's need for additional training.
- Sets up and controls training of employees and develops in house courses.
- Ensure visitor and contractor management program is compliant and sign visitors and contractors into the shop area and review the safety orientation with them.
- Confers with management concerning such problems as accident rates and abuse of equipment and recommends measures to improve safety records and to conserve equipment.



- To ensure the ISNetWorld and ComplyWorks sites are kept current to ensure the company keeps a good rating for oilfield clients.
- Performs other duties as assigned by the office manager and/or company owners.

Training and Experience Requirements:

- Knowledge and training or Alberta Association for Safety Partnership safety courses to be able to perform the duties required of a safety officer.
- HS Representative is required to have appropriate oilfield tickets and client orientations required for site visits.
- Ability to work in a PC and Networking environment.
- Ability to understand and execute oral and written instruction.
- Ability to perform well and to execute, organize and take control when required in an emergency.
- Grade 12 diploma and knowledge and experience with Word, Excel, Access, and Outlook.
- Workshop 101: Management Leadership Strategies (AASP)



ELEMENT #2: HAZARD IDENTIFICATION & ASSESSMENT

March 2023

JOB DESCRIPTION:		Job Hazard Assessment Matrix														TOTALS										
		Pressure / Pinch		Slip / Trip / Fall		Fire / Explosion		Extreme Weather		Chemical Exposure (H2S, Methane, Etc.)		Workplace Violence / Harassment		Musculoskeletal Injury			Noise		Fall From Height		CONTROLS					
HS Representative		L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	(Engineering, Administrative, PPE)						
Overall Rating: 1.4																										
Duties / Job Tasks	H/S	1	1	2	1	1	1	1	5	4	4	3	1	4	2	2	3	3	4	3	1	3	2	4		
Training	H/S	1.3	1.0		2.3	3.7	2.0	2.0	2.3	3.3	3.0	1.7	3.0													
Emergency Response Drills	H/S	2	1	2	2	3	3	1	1	5	1	2	3	1	1	4	1	2	3	2	2	3	2	4		
Accident / Incident Investigations	H/S	1.7	2.7		2.3	2.0	2.0	2.0	2.0	2.3	2.0	2.0	2.3													
Driving / Backing Up	H/S	2	1	4	0	0	0	3	1	4	3	4	4	2	1	2	4	2	1	2	5	1	0	0		
Work Site Inspections	H/S	2.3	0.0		2.7	3.7	1.7	1.7	2.3	2.3	2.3	2.7	0.0													
Audits	H/S	1	1	3	2	1	3	1	2	5	4	4	4	1	2	4	2	2	3	0	0	0	1	1		
Office Equipment	H/S	1.7	2.0		2.7	4.0	2.3	2.3	2.3	2.3	2.3	2.3	0.0													
Computer Use	H/S	2	1	2	3	2	3	1	1	4	2	2	3	1	1	3	2	2	2	1	1	2	1	0	0	
Paperwork	H/S	1.7	2.7		2.0	2.3	1.7	1.7	2.0	2.0	2.0	2.0	1.3													
Office Inspections	S	2	2	1	1	1	1	1	2	0	0	0	1	1	2	0	0	0	0	3	3	3	1	1	0	0
		1.7	1.0		1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3													
		1	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0													
		1.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0													
		1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		1.0	1.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0													
		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0													
		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0													

1 TOTAL: 14

**** Always review the Task / Procedure Hazard Identification Matrix for additional Hazards & Control Methods**

LOCATION: BROOKS PARTICIPANTS: Hong Zhong Guo, Starla Smith, Garth Smith DATE: July 2021 SIGN OFF:



GENERAL MANAGER

The General Manager is responsible for managing the people, facilities, safety, environmental compliance and providing customer service.

Position Expectation

The most important role of the General Manager is to build a team of talented and dedicated people whose quality performance sets us apart from the competitors.

Typical duties are but not limited to:

- Recruit and hire staff that have high morals, ethical skills and work standards that are dedicated to our company principles of Quality Service and Continuous Improvement.
- Be proficient managing people and finances.
- Understand and comply with all responsibilities as set forth in the Occupational Health & Safety Act.
- Monitor activities to ensure that company policies and procedures, as well as Government and Customer regulations, are being followed.
- Review the Company Health & Safety Policy annually.
- Document staff problems and use progressive discipline procedures as outlined in the Health & Safety Manual to assist employees and achieve expected performance standards.
- Promote teamwork.
- Manage the Drug and Alcohol Program.
- Document and recognize the accomplishments of staff.
- Managing assets and facilities. Monitoring maintenance and staffing of Rigs and trucks and associated equipment to ensure that company standards are followed.
- Monitor the cleanliness and organization of facilities to ensure that they provide our people the best working conditions and provide the best image for our company.
- Conduct site inspections once per month.
- Comply with all Company, Government and Customer policies and regulations:
- Ensure employees follow hours of work regulations.
- Ensure the Company complies with government safety and transport regulations.
- Ensure the Company is staffed with employees that have the appropriate training certificates to operate units and work in accordance with government and customer regulations.
- Confer with client's representatives to ensure a good working relationship is upheld.
- Delegate tasks to the Assistant Manager as necessary.

Qualification and/or Experience Requirements:

- Excellent management and supervisory skills.
- Ability to multi-task.
- Be able to give clear and concise instruction.
- Ability to perform well and to execute, organize and take control when required in an emergency.
- Ability to assist clients, customers, and employees in a courteous and professional manner in person and on the phone.
- Knowledge and experience with Word, Excel, and Outlook.
- Minimum Grade 12 diploma; 10+ years of experience in Oil & Gas servicing; Business & Management training or relevant experience; and all up to date oilfield tickets, including H2S, First Aid, PST/eGSO/CSO, TDG & WHMIS.

**ADMINISTRATION / RECEPTION**

Summary: Responsible for answering phones and greeting customers in a pleasant and courteous manner. This position is responsible for assisting the office manager, HS Representative, and owners with scheduling appointments, reviewing documents, spreadsheets, databases, research, and filing.

Typical duties are but not limited to:

- Ensure confidentiality of all information.
- Understand and adhere to all policies and procedures in the Health & Safety Manual.
- Understand and comply with responsibilities as set forth in the Occupational Health & Safety Act.
- Responsible for answering phones and greeting customers.
- Helping staff with general requests such as copies of tickets, completing forms or training.
- General housekeeping of the office and kitchen areas daily, ensure coffee and trimmings are supplied for morning and afternoon break time.
- Mail run - twice a week. Open, stamp and sort all mail received, deliver mail and packages to the post office.
- Update Google Drive & Facebook Page. Ensure website is top ranked among search engines. Update any information regarded to an online presence for the company.
- To call or contact customers on overdue accounts receivable.
- Printing and assembling new hire packages and employee policy manuals as well as helping the HS Representative keep the safety manual up to date.
- Assist in reviewing, maintaining, or repairing the security system on site.
- Quarterly office inspections.
- Complete and enter online invoices to ADP or Cortex; update the invoicing guide when changes are made.
- To organize, request and schedule all drug, hearing and mask fit tests and training for employees.
- Updating of all safety meeting minutes and ensuring that all staff receive copies for their records.
- To assist employees with laptops/computers and phones, loading programs, creating email addresses and any other related electronic device assistance.
- Ensure the Swab Master Ltd. Website is up to date. Update new information, backup file structure and system and run security protocols.
- Booking hotels for employees & maintain a list of quality hotels that we frequent.
- Completing SGI Permits for Saskatchewan trips and checking / maintaining balance of account.
- Update any necessary forms to reflect new company or government protocols.
- Maintain the vehicle inspection list and ensure CVIC's and Crude Spec inspections are completed on time. Coordinate with on-site Mechanic to ensure the list is being completed.
- Maintain an organized digital file structure for new scanned documents as well as scanning all old accounts receivable and accounts payable onto an external drive.
- Review, correct, scan, process, and file Drivers Daily logs to ensure the government protocols are being adhered to.
- To maintain the monthly kilometer and fuel reports and ensure the Fuel Tax Returns are completed on time each quarter.
- Track and keep records of all submitted paperwork and any applicable errors for each employee.
- Prepare swab/fluid reports or other reporting requirements for oilfield consultants when required. Code field tickets to assist in online invoicing.
- To assist employees with laptops/computers, and assist in loading programs, creating email address and all other related electronic equipment issues.
- To assist with any safety, fuel, or accounting audits when necessary.
- Keep Transportation binders up to date with current CVICs, permits, registration info, etc.
- Filing of A/R, A/P, daily logs, inspection reports and other documents.



- Serves as holiday, sick leave, leave of absence, or workload relief, as assigned by the office manager.
- Performs other duties as assigned by the office manager and/or company owner.

Qualification and/or Experience Requirements:

- Ability to understand and execute oral and written instruction.
- Ability to work in a PC and networking environment.
- Ability to perform well and to execute, organize, and take control when required in an emergency.
- Ability to assist clients, customers, and employees in a courteous and professional manner in person and on the phone.
- Grade 12 diploma and knowledge and experience with Word, Excel, Access, and Outlook.



OFFICE MANAGER

Summary: The Office Manager is responsible for overseeing the management of the office in day-to-day operations and managing the Administrative Personnel.

Typical duties are but not limited to:

- Understand and adhere to all policies and procedures in the Health & Safety Manual.
- Understand and comply with all responsibilities as set forth in the Occupational Health & Safety Act.
- Be proficient managing people and finances.
- Responsible for day-to-day operations of the office area, including supervising office personnel.
- Monitor activities to ensure that company policies and procedures, as well as Government and Customer regulations, are being followed.
- Promote teamwork.
- Assist in managing the Drug, audio, and Alcohol Program
- Inventory management and ordering office supplies
- Monitor work processes.
- Human Resources duties, including processing of payroll duties, benefits, health records, ROE's, etc.
- Ensure the staff follows hours of work regulations.
- Accounting duties including Accounts Payable / Receivable and banking.
- Monthly balancing of all accounting records and performs company year-end procedures.
- Preparing and submitting quarterly documents such as GST/PST returns
- Managing assets
- Conduct office inspections and / or appoint someone to do the inspection.
- Comply with all Company, Government and Customer policies and regulations.
- Assist in ensuring the Company is staffed with employees that have the appropriate training certificates to operate units and work in accordance with government and customer regulations.
- Assists in HS Representative duties as required.
- Reporting and researching for management
- Assisting with ISNetworld and ComplyWorks to ensure we are compliant with clients' expectations, rules, and regulations.
- To assist in accounting, fuel and safety audits when required.


Qualification and/or Experience Requirements:

- Excellent management and supervisory skills.
- Ability to multi-task
- Ability to understand and execute oral and written instruction.
- Be able to give clear and concise instruction.
- Ability to perform well and to execute, organize and take control when required in an emergency.
- Ability to assist clients, customers, and employees in a courteous and professional manner in person and on the phone.
- Minimum Grade 12 diploma and 5+ years of experience in Office Management & Accounting. As well as knowledge and experience with Word, Excel, Access, and Outlook.
- Workshop 101: Management Leadership Strategies (AASP)

Job Hazard Assessment Matrix																																					
JOB DESCRIPTION:	Pressure / Pinch Points			Slip / Trip / Fall			Fire / Explosion			Extreme Weather			Chemical Exposure (H2S, Methane, Etc.)			Workplace Violence / Harassment			Musculoskeletal Injury			Noise			Fall From Height			CONTROLS			TOTALS						
	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	L	E	C	(Engineering, Administrative, PPE)			
Office Manager	H/S	1	1	3	0	0	0	1	1	4	2	2	2	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	Seat Belts, Proper seating, lighting		
Overall Rating:		0.7																																			
Duties / Job Tasks	H/S	1	1	1	1	1	1	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Training; Ergonomics; frequent breaks		
Driving / Backing Up	H/S	1	1	1	1	1	1	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Two Person Lift; Proper lifting technique; caution		
Office Equipment	H/S	1	1	1	1	1	1	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ergonomic Workspace; Frequent Breaks; Caution using headphones		
Ordering / Inventory Management	H/S	1	1	1	1	1	1	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ergonomics; frequent breaks		
Computer Use	H/S	1	1	1	1	1	1	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Management Training;		
Paperwork	S	1	1	1	1	1	1	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Training; Awareness of threatening behaviour		
Human Resources	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Training; Caution; PPE		
Customer Service	S	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Training; Ergonomics; frequent breaks; stretching		
Housekeeping	S	1	1	1	1	1	1	1	1	1	3	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Office Inspection	S	1	1	1	1	1	2	0	0	0	0	0	0	1	1	1	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
		1	1	1	1	1	1	1	1	1	2	0	0	1	1	1	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			

TOTAL: 5.7

**** Always review the Task / Procedure Hazard Identification Matrix for additional Hazards & Control Methods**

LOCATION: BROOKS PARTICIPANTS: Marj Baillie, Starla Smith DATE: July 2021 SIGN-OFF: 

Job Hazard Assessment Matrix