


TAKLA NATION OHS Management System	<i>Document Title:</i> Entry into Confined Space		
<i>Document Owner (Position):</i> Operations Manager	<i>Document Level:</i> Policy	<i>Reference No.:</i> SAF-POL-010	

Entry into Confined Space

1.0 PURPOSE

The Confined Space Policy establishes the requirements needed to protect workers from hazards associated with entering and performing work in confined spaces.

2.0 SCOPE

This policy shall apply to all employees and contractors conducting work in confined spaces at facilities directed and/or operated by Takla Nation.

3.0 BC OHS REGULATIONS, PART 9 DEFINITION:

3.1 A confined space is a workspace that:

- is enclosed or partially enclosed,
- is not designed or intended for continuous human occupancy,
- has limited or restricted means for entry or exit that may complicate the provision of first aid, evacuation, rescue or other emergency response service, and
- Is large enough and so configured that a worker could enter to perform assigned work.

NOTE: All four criteria must be met for a workspace to be designated a Confined Space.

4.0 CANADA OHS REGULATION, PART 11 DEFINITION

4.1 A confined space means an enclosed or partially enclosed space that:


- is not designed or intended for human occupancy except for the purpose of performing work,
- has restricted means of access and egress, and
- may become hazardous to any person entering it owing to
 - its design, construction, location or atmosphere,
 - the materials or substances in it, or
 - any other conditions relating to it.

NOTE: All criteria must be met for a workspace to be designated a Confined Space.

5.0 RESPONSIBILITIES

5.1 Operations Manager shall:

- Ensure all facilities or operating areas maintain a Confined Space Inventory if confined space work areas exist or may exist on their worksites (e.g., during maintenance activities).
- Provide the resources for and ensure completion of a Confined Space Hazard Assessment Report for all spaces listed in applicable Confined Space Inventories.

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- Ensure Confined Spaces in the inventory are either secured against entry or are identified with a sign at their entry point preventing entry without a permit.
- Ensure Confined Space training requirements are sufficiently met for planned Confined Space entries (as applicable, Entrant, Attendant/Safety Watch, Rescue role training).
- Ensure sufficient resources for specialized PPE or rescue equipment for planned entries are provided as required when these are supplied by the Organization

5.2 Operating Authority shall:

- Ensure assessment and planning documents for a planned Confined Space Entry have been completed and assembled as required.
- Ensure isolation, Lock Out / Tag Out requirements, and any other preparation activities set out in the Confined Space Hazard Assessment Report and referenced documents have been completed prior to Entry.
- Ensure any rescue equipment required by a Confined Space Hazard Assessment Report is provided or made available.
 - Actual provision of rescue equipment may in some cases fall to a Contractor providing rescue services.
- Ensure participants in the Entry have met minimum training requirements prior to entry.
- Conduct a pre-Entry meeting with all participants as per requirements below.
- Ensure pre-Entry atmosphere testing is conducted and meets the criteria set out in the Confined Space Hazard Assessment report.
- Manage and sign off the Safe Work Permit to authorize Entry.
- Ensure Rescue Personnel are alerted to the Entry activity as per requirements below.
- Manage any issues arising during Entry (e.g., change of atmosphere or conditions requiring Entrant evacuation, additional mitigation efforts, re-permitting, etc.).
- Ensure safe conclusion to Entry and proper Confined Space closure or signage following Entry.

5.3 Entrant shall:

- Complete required Confined Space Entrant training.
- Participate in pre-Entry meeting.
- Only enter the Confined Space once authorized to do so by a Safe Work Permit.
- Follow all the requirements set out in the Confined Space Hazard Assessment Report during Entry activities including:
 - Atmospheric testing and monitoring requirements.
 - Implementation of specified hazard controls.

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- Wearing all PPE required by the Confined Space Hazard Assessment Report.
- Signing in and out of Entry Log when entering and exiting Confined Space.

5.4 Safety Watch shall:

- Complete required Confined Space Attendant / Safety Watch training.
- Complete required Confined Space Rescue training (if expected to directly participate in rescue activities).
- Participate in pre-Entry meeting.
- Fulfill monitoring of Entrant duties as per Atmosphere Hazard Level.

5.5 Rescue Personnel shall:

- Complete required Confined Space Rescue training.
- Ensure capability to fulfill Rescue Plan set out/referenced in the Confined Space Hazard Assessment Report.
- Based on Confined Space Hazard Assessment Report either:
 - Remains at Confined Space entrance fully ready for entry for Confined Spaced deemed to have a High Hazard Atmosphere (IDLH atmosphere).
 - Monitors communication system when on standby during Entry.
- Fulfill rescue duties as per training and requirements when called upon to do so.

5.6 OHS Representative shall:

- Support the work of keeping Confined Space Inventories up to date and ensuring completion of Confined Space Hazard Assessment Reports.


5.7 Qualified Confined Space Hazard Assessor shall:

- Meet the qualifications to sign off on a Confined Space Hazard Assessment Report (CRSP)
- Complete assessments of potential Confined Spaces on a worksite to ensure:
 - The Confined Space Inventory is completed correctly.
 - A Confined Space Hazard Assessment Report is completed for any workspace deemed a Confined Space prior to Entry into that space.

6.0 CONFINED SPACE INVENTORY REQUIREMENTS

6.1 A confined space inventory is a document that each work location must create and maintain using a Confined Space Inventory List Template. This document must be:

- Retained onsite according to Takla Nation record retention policies.
- Updated as processes, operations, equipment and other circumstances change.
 - This includes any modifications to any of these that may create or alter a confined space.
- Reviewed every three years. This review should consider:
 - If all confined spaces on the worksite have been identified.

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- If all identified spaces fit the criteria of a Confined Space.

6.2 A Confined Space Hazard Assessment Report is required to make a final judgment on whether a space fits the technical criteria for a confined space.

6.3 Spaces Included in the Inventory

6.3.1 The inventory will contain all spaces that a worker may enter and any space that has been assessed. As spaces are assessed the inventory should then clearly indicate whether:

- The space fits the criteria of a Confined Space and will be subject to this procedure for worker entry, or
- The space has been deemed to fall outside the criteria of a Confined Space.

NOTE: Spaces can be “grouped” and dealt with as a “type of space” for the purposes of the inventory and hazard assessment and procedures if they have the same configuration, function, and hazards.

6.3.2 Preventing Unauthorized Entry


- All Confined Spaces in the Confined Space Inventory must either be:
 - Secured against entry (e.g., bolted shut or locked), or
 - Identified by a sign at the entry point to indicate that this is a Confined Space and that entry is not permitted without a permit.
- A sign with wording along the lines of the following should be placed at the entrance to any confined spaces workers can readily access during normal operations or spaces opened for permitted entries, as depicted below.



- Bolted manways that are opened for an extended period for multiple entries may be locked out between entries without fully closing the manway by installing a manway T or cable on the bolt holes and secured with an operational or departmental lock as a way of managing the operating authority’s control over entrance.

7.0 CONFINED SPACE HAZARD ASSESSMENT

7.1 A confined space hazard assessment is a special type of hazard assessment that addresses the unique hazards presented by each Confined space and associated Work activity that may be performed inside a confined space.

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7.2 The final, documented Confined Space Hazard Assessment report should be completed using an approved Confined Space Hazard Assessment tool.

7.3 Confined Space Hazard Assessment Report

7.3.1 The Confined Space Hazard Assessment Report must include:

- Conditions that may exist prior to entry due to the confined space's design, location, or use,
- Conditions that may develop during work activity inside the space,
- The potential for hazardous atmospheres including oxygen deficiency or enrichment, toxic or flammable gases, vapors, mists or dust,
- Any hazardous energy requiring isolation and lockout,
- Any potential for engulfment or entrapment, and
- Any other hazardous conditions.


7.3.2 A Confined Space Hazard Assessment Report should include:

- The location and technical identification of the space and, as applicable, a description of its role in any process (e.g., processing vessel).
- Photos and diagrams of the space as available.
- The hazards listed above (required by OHS regulation).
- The preparation processes required prior to any human entry into the space. This includes:
 - Any purging or cleaning activities.
 - Any isolation and lock out / tag out plans or requirements.
- Atmospheric testing requirements prior to entry.
- The atmosphere hazard level (low, moderate, high) and corresponding safety watch and rescue requirements as a result.
- Controls for initial entry and for specified tasks that may take place beyond initial entry, including:
 - Ventilation calculations and requirements.
 - PPE requirements.

7.3.3 A Confined Space Hazard Assessment Report remains valid for a period of three years after the date of signature on the report.

- The assessment must be reviewed and revised as appropriate if the space is physically altered, isolation requirements change, or previous hazards no longer exist, or new hazards have been introduced (e.g., a change in product flowed through a vessel).
- While efforts should be made to systematically update all confined space assessments on a three-year cycle, a review and revision of an outdated assessment is only mandatory when a space will be subject to entry again.


7.4 Qualifications to prepare a Confined Space Hazard Assessment Report

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- 7.4.1 The Confined Space Hazard Assessment report must be prepared by a qualified person.
- 7.4.2 In British Columbia the assessment must be prepared in consultation with the person assigned overall responsibility for administration of the confined space entry program and with the workplace OHS committee.
- 7.4.3 To qualify to sign off on a Confined Space Hazard Assessment Report, a person must be either:
- A certified industrial hygienist (CIH), registered occupational hygienist (ROH), certified safety professional (CSP), Canadian Registered Safety Professional (CRSP) or professional engineer (P. Eng.); or
 - An experienced person that is acceptable to WorkSafeBC through a combination of education, training, and experience and has completed the Confined Space Hazard Assessment training course and competency exam.

8.0 ISOLATION AND LOCK OUT / TAG OUT REQUIREMENTS

- 8.1 Isolation and Lock Out / Tag Out requirements should be captured as part of the Confined Space Hazard Assessment.
- 8.2 Any piping flowing into or out of the confined space that contains a harmful substance, must be controlled by either:
- Disconnecting the piping, or
 - Using blinds or blanks, or
 - A double block and bleed system.
 - Any piping inside the confined space must be assessed to determine if it presents a hazard to a worker within that confined space. Control measures must be applied to ensure workers are protected from these hazards.
 - Blanks and blinds, unless certified by a professional engineer, must be ANSI rated for the anticipated pressure, temperature, and service requirements.
 - If disconnecting pipe to isolate the confined space, either:
 - The space between the separated pipe ends must be 10 times the diameter of the pipe, or
 - The disconnected pipe moved out of line so that leaks will not bypass the disconnection and continue into the confined space, or
 - If neither of these is possible, an engineered device designed for isolation purposes, suitable for anticipated pressure, temperature and service may be used to achieve isolation between the pipe ends.
- 8.3 If a double block and bleed system is used, the following apply:
- The diameter of the bleed line must be no less than the diameter of the line being isolated (unless certified by a professional engineer)
 - The bleed on a liquid carrying pipe must be at a lower elevation than the block

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valves,

- All valves must be locked out in their proper open or closed position, and
- The bleed must remain clear of obstruction.

8.4 The piping flowing substances into or out of the confined space should be isolated at the closest practicable, safely accessible point to the vessel.

9.0 ENTRY PROCEDURE REQUIREMENTS

9.1 Every confined space needs a documented entry procedure prior to anyone entering the space. This entry procedure depends on the outcome of the Confined Space Hazard Assessment Report. This report specifies:

- The preparation processes required prior to human entry, including:
 - Purging, cleaning, and/or ventilation
 - Isolation and lock out / tag out requirements.
- Atmospheric testing requirements prior to human entry.
- Controls that must be applied for initial entry and any specified tasks beyond initial entry, including:
 - Ventilation during entry, and
 - Worker PPE.

9.2 Either of the following may meet the requirement for a “documented entry procedure”:


- A fully completed Confined Space Entry Hazard Assessment with the Confined Space Entry Procedure attached as well as any additional procedures for specific tasks to be conducted within the space.
- A fully completed Confined Space Entry Hazard Assessment with a contractor’s procedure attached (if entrants are the contractor’s employees).
 - The documented procedure provided by the contractor must meet or exceed the requirements set out in the Western Canada Confined Space Entry Procedure.

10.0 ENTRY TEAM MEETING

10.1 An Entry Team meeting must be conducted prior to any initial entry into a confined space and should include all applicable members:

- Worker(s) entering space
- Safety Watch personnel
- Rescue personnel
- Operating Authority / Permit Issuer
- Site or Worker Supervisor(s) that may direct the work of any of the above

10.2 In the event personnel are added to the Entry Team that did not attend the pre-entry team meeting, the Operating Authority must review the contents of the meeting with this person and be satisfied they are fully briefed on their role and responsibilities in

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the entry activities.

10.3 The Entry Team should engage in a review of the contents of the Confined Space Package, with a primary focus on:

- Ensuring the stipulations set out in the Confined Space Hazard Assessment have been or will be met prior to entry, including
- Pre-initial entry preparations such as isolation, lock out / tag out, and any cleaning, purging, or ventilation activities.
- Controls to be applied during entry or work within the space.
- Ensuring familiarity with the procedure for initial and any subsequent entry under review.
- Review of the Rescue Plan and ensuring all members are clear on their roles.
- All stipulated pre-entry preparation activities must be complete and verified prior to entry.

10.4 For subsequent entries to conduct tasks within confined spaces, the size, scope, and necessity of an Entry Team meeting needs to be based on:

- The level of hazards within the space and introduced by the tasks to be conducted.
- The existing familiarity of Entrants, Safety Watch, Rescue, and Operating Authority with the confined space and its hazards (e.g., are the same personnel involved as those attending the initial entry meeting?).
- At minimum, prior to any entry to complete a task, the Operating Authority must go over the Confined Space Hazard Assessment Report for the task at hand with the Entrants as part of the Safe Work Permit process (in lieu of a full Entry Team meeting).

11.0 SAFE WORK PERMIT

11.1 A Safe Work Permit by the appropriate operating authority must be issued to Entrants prior to entry.


11.1.1 For British Columbia based worksites, if a confined space will contain an inert, nitrogen atmosphere during worker entry, a Notice of Project to WorkSafeBC must be submitted at least 7 days prior to the work being conducted.

11.2 The permit issuer must indicate that a review of the entry procedure (which must include the applicable Confined Space Hazard Assessment Report) has been completed.

12.0 PRE-ENTRY ATMOSPHERIC TESTING

12.1 Atmospheric testing prior to entry must be conducted as stipulated by the Confined Space Hazard Assessment / Procedure.

- The assessment and/or procedure must stipulate pre-entry testing must be

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- repeated within 20 minutes of entry if a confined space is vacated for more than 20 minutes. This requirement may be waived for spaces that:
- Have been deemed to have a “Low Hazard Atmosphere” (as per the Confined Space Hazard Assessment),
 - Have been sufficiently tested to prove out a “Low Hazard Atmosphere”, and
 - Are configured or isolated in such a way that it is not possible for a hazardous atmosphere to develop.

13.0 DOCUMENTATION DURING ENTRY ACTIVITIES

13.1 The following logs must be maintained during active work within a confined space:

- Atmosphere Testing Log (records all pre-entry and period tests within confined space)
- Entry Log (records worker entry / exit)

13.2 The following documents must be posted or made available near the entrance to a Confined Space while active entry preparations or work is taking place:

- Confined Space Hazard Assessment Report
- Entry Procedure or other task-specific procedures (may be integrated into the Confined Space Hazard Assessment Report)
- Atmosphere Testing Log and Entry Log
- Active Safe Work Permit

14.0 CONTINUOUS ATMOSPHERIC MONITORING

14.1 For confined spaces deemed to have a moderate or high hazard atmosphere, continuous monitoring of gases that present an ongoing risk to entrants is required.

14.1.1 When confined space involves entry into process vessels or spaces where gases from process equipment may accumulate, continuous monitoring will typically be applied to the same atmospheric hazards covered by a personal gas monitor (O₂, H₂S, CO, and % LEL).


- The Confined Space Hazard Assessment Report will specify if additional substances will require continuous monitoring.

14.1.2 When continuous atmospheric monitoring is mandated, periodic recording of atmospheric measurements is required. At minimum, reading should be recorded hourly while entry is underway.

- If more frequent recording is required, this will be specified in the Confined Space Hazard Assessment Report.

15.0 VENTILATION EQUIPMENT REQUIREMENTS

15.1 Ventilation requirements will be set out in the Confined Space Hazard Assessment Report.

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15.2 In the event constant ventilation is the only means by which a safe breathing atmosphere is created for the Entrant, there must be safeguards in place to warn any Entrants if ventilation fails. This may be done either by:

- Having the ventilation equipment equipped with an alarm that can be heard by the Entrant in the event of failure, or
- Having the Safety Watch monitor the ventilation equipment continuously and warn Entrants to exit the space if it fails.

16.0 ELECTRICAL AND GAS BASED TOOLS AND EQUIPMENT WITHIN CONFINED SPACES

16.1 Compressed gas cylinders are not permitted inside a confined space.

- Compressed air supply, handheld aerosol spray containers, fire extinguishers are exempted.

16.2 Torches and hoses used for welding, brazing or cutting must be removed from the confined space when not in use or when the confined space is vacated.

- Alternative measures to be certain gas does not continuously leak out of hoses may be used when removing the hose is not practical (e.g., disconnecting and tagging hoses removed at source).

16.3 If the space is classified as a hazardous location based on the potential for flammable vapors, tools and equipment used must meet the appropriate level of CSA approval for the classification of the space (as per the Canadian Electrical Code).


- Non-sparking tools may also be specified by the Confined Space Hazard Assessment

17.0 SAFETY WATCH REQUIREMENTS

17.1 Every confined space entry requires the use of a safety watch. The duties and requirements for a safety watch vary with the Atmosphere Hazard Level as per the table below.

Atmosphere Hazard Level

REQUIREMENT	LOW HAZARD	MODERATE HAZARD	HIGH HAZARD
Safety Watch	Yes	Yes	Yes
Location and Attention of Safety Watch	Must be able to fulfill duties below.	Must be stationed near space entrance.	Must be stationed near space entrance and exclusively and continuously attend to safety watch duties.

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Rescue requirements for Safety Watch	Able to immediately summon rescue personnel.	Able to immediately summon rescue personnel.	Equipped and capable of performing rescue / fulfilling rescue duties.
Safety Watch check on wellbeing of Worker(s)	Every 20 minutes.	Minimum of every 20 minutes; more often based on hazards of space or task performed.	Continuous.
Additional Duties of Safety Watch	N/A	N/A	Prevent entanglement of lifelines and other equipment.
Worker contact with Safety Watch	A way for Worker to summon Safety Watch at any time.	A way for Worker to summon Safety Watch at any time, including from inside the space.	A way for Worker to summon Safety Watch at any time, including from inside the space.

18.0 RESCUE REQUIREMENTS

18.1 Every confined space entry requires:


- The services of one or more rescue personnel
- A documented Rescue Plan

18.2 Personnel assigned rescue duties must be notified before workers enter a confined space and when all workers have exited from the space.

- If multiple confined spaces are being entered, notifying rescue personnel to be on an alert status is sufficient.
- In cases where there is a contract for rescue personnel to provide 24-hour service (e.g., during plant shut down), individual notification is not required.

18.3 Assigned rescue personnel must monitor any signaling system used to summon them while a confined space entry is underway or while on an alert status.

18.4 Where an entry-rescue into an IDLH atmosphere is a possible rescue scenario, the rescue team must remain at the confined space during the entry itself.

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- The rescue team must have PPE donned, including SCBA or SABA with an escape bottle, and respirator masks at the ready.

18.5 A rescue worker may not enter the confined space unless there is at least one additional worker located outside to render assistance.

- The safety watch may serve as a rescue worker and may perform a non-entry rescue using an attached lifeline.
- In the event rescuing an entrant involves physically entering the confined space, a rescue worker in addition to an existing safety watch will be required to execute a rescue (i.e., one person enters to extract the entrant, the other remains outside to render assistance).

18.6 Once rescue is initiated, the Supervisor on the scene is either (a) an operating authority with knowledge of the rescue procedure or (b) a qualified rescue worker.


- The Supervisor attending the rescue (but not directly involved) shall trigger the site- specific Field Emergency Response Plan.
- The qualified confined space rescue team retains control over the rescue itself until the entrant is extracted.
- Concurrently, the onsite incident commander under the *Emergency Response Plan* is assigned and begins to execute the response plan as prescribed.
- Rescue personnel must wear SCBA or SABA with an escape bottle in any rescue within a confined space with an unknown or IDLH atmosphere.
- Workers entering a space assessed as a “High Hazard Atmosphere” must wear a safety harness securely attached to a lifeline.
- The lifeline must be securely anchored outside the confined space.
- The Safety Watch is responsible to assist in ensuring the lifeline does not become entangled during entry and work inside.
- The Safety Watch must be able to extract the worker(s) without entering the space using the lifeline in an emergency and must be supplied with a mechanic device as required to facilitate this type of rescue.
- This requirement does not apply if the lifeline itself creates a hazard or extraction with the lifeline would be impossible due to the configuration of the space.

NOTE: These lifeline requirements may also apply in “Low” or “Moderate Hazard Atmosphere” spaces that have physical hazards (e.g., working at heights, engulfment, entrapment) that may be effectively controlled with a lifeline.

19.0 RESCUE PLAN REQUIREMENTS

19.1 Confined spaces classified as “Low Hazard Atmosphere” may document the rescue plan on the Safe Work Permit.

- This may not apply if there are non-atmospheric hazards that would complicate rescue, e.g., heights, tight spaces, entrapment or engulfment, etc.

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19.2 Confined spaces classified as “Moderate” or “High Hazard Atmosphere” must have a formal rescue plan developed prior to space entry and maintained with other confined space entry documents.

- This plan should be read and reviewed prior to initial entry by the Entry Team to:
 - Ensure familiarity with the plan for all participants (entrants, safety watch, and rescue team) with the plan.
 - Determine if any additional rescue provisions need to be prepared.

NOTE: A single rescue plan may be applicable to several confined spaces that share similar characteristics and hazards.

20.0 CONFINED SPACE CLOSURE REQUIREMENTS

20.1 Once work is completed within a confined space, prior to space closure, the following should be done:

- Final visual inspections to ensure no personnel are inside the space prior to closure.
- Ensure any active Safe Work Permit is formally closed with required sign-offs complete.
- Trigger the appropriate Pre-Startup Safety Review (PSSR) if the confined space is a process vessel or involves process equipment.

21.0 CONFINED SPACE PACKAGE


21.1 All relevant documentation should be compiled and available prior to entry into a confined space. This Confined Space Package should include (as applicable):

21.1.1 Confined Space Hazard Assessment (which will reference the following “attachments” to be included in the package):

- Piping and Instrumentation Diagrams (P&IDs)
- Isolation drawings (identify isolation points, line breaks and blind locations)
- LOTO form(s)
- Blind Tag Log
- Confined Space Entry Procedure and/or procedures for tasks to be conducted in Confined Space
- Confined Space Rescue Plan
- Safety Data Sheets (SDS)

21.1.2 Industrial Hygiene Reports, such as:

- Silica Survey Form
- Benzene Survey Form
- NORMs Survey Form
- Amine Survey Form
- Mercury Survey Form

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21.1.3 Atmosphere Testing Log

21.1.4 Entry Log

22.0 TRAINING AND COMPETENCY

22.1 Each person assigned duties or responsibilities related to a confined space entry must be adequately instructed in:

- The hazards of the space.
- The hazard controls / mitigations identified in the Confined Space Hazard Assessment and Entry Procedure (as they pertain to their specific duties).

22.2 Formal applicable training must be completed by those employees or contractors assigned the roles of Entrant, Safety Watch (“Attendant”), and Rescue.

23.0 FORMS

24.0 RECORDS

Confined Space Entry/Inventory
 Confined Space Entry/Assessments
 Confined Space Entry/Confined Space Entry Templates
 Confined Space Entry/Packages
 Confined Space Entry/Permits

25.0 DOCUMENT HISTORY

Rev#	Date	State	Initials	Description of Changes
0.0	2020-010-20	Draft	Irwin's	The document is initiated.

26.0 APPENDIX A: CONFINED SPACE ENTRY PERMIT

PERMIT: _____	THIS PERMIT EXPIRES ON: _____	AT: _____
EQUIP. NO: _____	DESCRIPTION: _____	
	LOCKOUT NO: _____	WORK ORDER NO: _____
REASON FOR ENTRY: _____		
AREA TO BE ENTERED: _____		

HAZARDS: 1 <input type="checkbox"/> Fire 2 <input type="checkbox"/> Explosion 3 <input type="checkbox"/> Chemical 4 <input type="checkbox"/> Toxic/ Inert Gas 5 <input type="checkbox"/> Radiation 6 <input type="checkbox"/> Oxygen Deficiency. 7 <input type="checkbox"/> Other Hazards _____ _____ _____	29.0 SAFEGUARDS AND PRECAUTIONS: 1 <input type="checkbox"/> Ventilate Before Entry 2 <input type="checkbox"/> Oxygen Test Before Entry 3 <input type="checkbox"/> Combustible Test Before Entry 4 <input type="checkbox"/> Toxic Fume Check Before Entry Check For <u> O₂, CO & LEL </u> 5 <input type="checkbox"/> Continuous Ventilation Req. 6 <input type="checkbox"/> Remove Ignition Sources 7 <input type="checkbox"/> Dedicated Tending Worker Required	30.0 8 <input type="checkbox"/> 2 Employees Req. 9 <input type="checkbox"/> Protective Equip. Req. 10 <input type="checkbox"/> Breathing Apparatus Req. Type: _____ 11 <input type="checkbox"/> Continuous Monitoring Oxygen <input type="checkbox"/> Combust <input type="checkbox"/> Toxic <input type="checkbox"/> 12 <input type="checkbox"/> Radiation Monitoring
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RESCUE AND PERSONAL PROTECTIVE EQUIPMENT:

<input type="checkbox"/> Protective Gloves	<input type="checkbox"/> Safety Glasses/Goggles	<input type="checkbox"/> Protective Coveralls	<input type="checkbox"/> Respirator/Supplied Air
<input type="checkbox"/> Retrieval System	<input type="checkbox"/> Harness / Lifeline	<input type="checkbox"/> Tripod / Hoist System	<input type="checkbox"/> Artificial Lighting

Communication Device (e.g. two-way radio, whistle, horn, alarm) if out of voice or visual range of Attendant

Verification of equipment inspection / good working Pre-use inspection

31.0 AIR QUALITY READINGS:

Oxygen	_____	Chlorine	<u> N/A </u>	Other:	_____
LEL	_____	Sulphur Dioxide	<u> N/A </u>		_____
Carbon Monoxide	_____	Radiation	<u> N/A </u>		_____
Hydrogen Sulphide	_____	Ammonia	<u> N/A </u>		_____

Taken By: _____ **Signature:** _____ **Date:** _____ **Time:** _____


Air Monitor SN#: _____ **Daily Bump Test:** Yes **Verified:** Yes

Retest Required: (Y/N): Y **Retest Interval:** ** 2 Hrs

TIME	TESTED BY	TESTED FOR	READING	TIME	TESTED BY	TESTED FOR	READING

SPECIAL NOTES: _____

ISSUED BY: _____ **SIGNATURE:** _____ **DATE:** _____ **TIME:** _____

TAKLA NATION OHS Management System	<i>Document Title:</i> Entry into Confined Space		
<i>Document Owner (Position):</i> Operations Manager	<i>Document Level:</i> Policy	<i>Reference No.:</i> SAF-POL-010	

I understand the limits of this permit and what precautions must be taken before, during and after entry into the confined space.

No./Name of People Entering Confined Space: See attached list

Attendant (Standby Person): _____ Alternate: _____

CSHA IN PLACE RESCUE PLAN IN PLACE

ACCEPTED BY: _____ SIGNATURE: _____ DATE: _____ TIME: _____

Note: At shift change ensure that transfer to new permit holder takes place and permit complies with the relevant plan (verify by signing transfer).

TRANSFER	FROM	SIGNATURE	TO	SIGNATURE	DATE:	TIME
	_____	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____	_____

All personnel under my charge have withdrawn from the confined space and are notified of the surrender of this permit.

COMPLETED _____ SIGNATURE: _____ DATE _____ TIME: _____

This confined space entry permit is hereby canceled.

CLOSED BY: _____ SIGNATURE _____ DATE _____ TIME _____