

6951 Westminster Highway, Richmond, BC
Mailing Address: PO Box 5350 Stn Terminal, Vancouver BC, V6B 5L5
Telephone 604 276-3100 Toll Free 1-888-621-7233 Fax 604 276-3247

The *Workers Compensation Act* requires that the employer must post a copy of this report in a conspicuous place at or near the workplace inspected for at least seven days, or until compliance has been achieved, whichever is the longer period. A copy of this report must also be given to the joint committee or worker health and safety representative, as applicable.

Inspection Report #202512480045A		
Employer Name	Jobsite Inspected	Scope of Inspection
TRITECH GROUP LTD	4600 Hammond Bay Road Greater Nanaimo Pollution Control Centre Nanaimo BC V9T 5A8	9.22 application Grit Tank #2

Date of Initiating Inspection	Date of This Inspection	Delivery Date of This Report	Delivery Method
May 30, 2025	May 30, 2025	Jun 03, 2025	Email

THERE ARE ZERO (0) ORDERS OR OTHER ITEMS OUTSTANDING

**ACTION MAY STILL BE NECESSARY TO ENSURE COMPLIANCE
PLEASE READ FULL REPORT**

INSPECTION NOTES

Application for Acceptance of Alternate Procedures for Isolation of a Confined Space (for confined space entry - grit tank #2 refit)

On June 02, 2025, the employer made application for the acceptance of alternate procedures in lieu of confined space isolation. The employer included the following documentation in their application;

- 01a Application for Alt Measures - Grit 2 rev2
- 02 Alt Measures - Grit Tank 2_CS_EP rev2
- 03 Alt Measures - Grit Tank 2_CS_HA rev2
- 02 Sed Tank 2_CS-EP rev 2
- 03 Sed Tank 2_CS-HA rev2
- 02 Sed Tank 3_CS-EP rev 2
- 03 Sed Tank 3_CS-HA rev2
- Appendix H3b - 231214 Sed Tank #123 LOTO
- Appendix H2 - IR202312480060A No.3 sed tk inspection report 230725
- Appendix H4a - Sed Tank valve certs

Additional supporting documentation was provided previously including,

- Silica Exposure Control Plan (See also IR202512580038A)

Additional related Regional District of Nanaimo (RDN) documentation was referred to for the purpose of considering this application;

- Diagram 1 (diagram of space to be entered)
- Grit Tank #1, #2, and #3 - Hazard Assessment-v4
- Grit Tank #1, #2, and #3 - Entry Procedure-v4
- Confined Space Rescue Plan
- Written Rescue Agreement with City of Nanaimo Fire Department (date May 24, 2011)
- IR 202412480112A (9.22 (3yr Acceptance - Grit Tank #1,2,3)),
- IR 202312480060A (regarding Sedimentation Tank #3 (9.22 requirement - determination for the 2023 project))
- IR 202412480054A (regarding Sedimentation Tank #3 (9.22 requirement - determination for the 2024 project)).

This employer, who is identified as the Prime Contractor for this 2025 project included the following information in their documentation regarding the the scope of work;

"Grit Tank #2

(scope is same as 2024 Refit Project)

- Remove and replace tank collector mechanisms and drives;
- Spot repair of concrete at mechanism attachment locations;
- Demo and replace concrete mechanism corbels;

Sedimentation Tank #2

(scope is same as 2024 Refit Project)

- Sed Tank No. 2: Remove and replace tank collector mechanisms and drives;
- Spot repair of concrete at mechanism attachment locations;
- Demo and replace concrete mechanism corbels;
- Demo two (2) obsolete T-rails embedded in concrete floor;
- Concrete repair of void created by T-rail removal;
- Demo of obsolete HSS scum line (6in x 8in) intersecting centre walkway columns, and concrete repair of void in columns;

Sedimentation Tank #3

- Concrete repair of void created by T-rail removal in 2024."

NOTE: The sedimentation tanks, grit tanks, the adjacent open channel and open feed channel are all identified as confined spaces that cannot be isolated. *For this 2025 project only***, regarding Sedimentation Tanks #2 and #3 and their adjacent channels (as applicable) based on the documentation provided and historical information, a 9.22 application is not required.**

*****For additional work involving any/all Sedimentation Tanks and/or adjacent structures beyond this 2025 project, the owner or the employer must make application to the Board (Workers Compensation Board of BC) who will determine if a 9.22 application is required for a specific project. *****

Regarding Grit Tank #2 - the employer provided the following information (per application documentation provided May 2025 - reference IR202512480038A) concerning the description of Grit Tank #2 and the work activities for this 2025 project;

- The tank is constructed from durable reinforced concrete with a space dimension of: L = 33.0 Ft, W= 26.0 Ft, sloped H = 9.0 Ft (shallow side) and 15.0 Ft. (deep side) with Max. Volume = 10,296 Ft³
- The tank is securely covered with steel plate featuring a built-in access hatch to facilitate safe entry for operational staff. Additionally, steel handrails are installed along the cover plates to enhance safety when accessing the hatch.
- The space is used to allow inorganics such as grit, to settle from suspension and to be removed from the influent. The tank has isolation points at:
 - o Channel/ Orifice – Inlet Influent Untreated Sewage, isolated by a slide gate (39 in. x 56 in.)
 - o 4 in. – Outlet Grit, isolated by a plug valve located in basement pipe chase.
 - o 8 in. X2 – Inlet Aeration Supply, isolated with 2 Butterfly Valves.
- The space also has adjacent:
 - o Channel/ Orifice – Outlet Effluent Untreated Sewage: No Isolation Point (this outlet cannot be isolated, so alternate measures must be implemented). Continually monitor the effluent channel to ensure the flow level remains at least 6 inches below the weir of the tank being entered.
- 10 in. – Outlet Odour Control System, to stay in service during entry.

Work Activities

The items below are listed to reflect the scope of work activities planned:

- Remove existing collector mechanism and drives.
- Demolish existing corbels, screeds and concrete surface at mechanism attachment locations.
- Construct new corbels, screeds and repair concrete surface at mechanism attachment locations.
- Install new collector mechanism and drives.
- Grout areas at mechanism attachment locations. ...

Basic Isolation Options:

- Aluminum gates: Are constructed out of ¼" plate with 3-L3x2x ¼"- channel stiffeners. The aluminum gates do not have a gasket and are subject to possible leakage. Prior to starting the Work, the slide gates are to be closed and verified to be drip-tight
- Plug valves: These are located on the outlet of the grit chamber. Prior to starting the Work, the outlet valves of the tank that are being isolated should be closed, and the plug valve actuator locked out. The valve shall also be exercised and verified to be drip tight. If the valve does not sit properly and leakage is detected, the valve is to be replaced or a CL150 blind flange shall be installed. "

Note: The application documentation includes engineering certification (December 18, 2024) for the slide gate and plug valves.

In accordance with OHS Guideline G9.22-2, a Prevention Officer may make the decision on behalf of WorkSafeBC in this case.

Decision

The request for acceptance of alternate procedures for isolation is granted to the employer, Trittech Group Ltd, (Firm # 653953) who has responsibility to ensure that the terms of this acceptance are complied with. The acceptance is only applicable to the worksite, Grit Tank 2, located at Greater Nanaimo Pollution Control Centre (GNPCC) 4600 Hammond Bay Rd, Nanaimo, BC. **If the acceptance granted to one jobsite/structure is to be applied to another jobsite/structure, the employer must apply for another acceptance.**

Special terms

The conditions and procedures set out in the above-noted documents must be complied with as well as the following:

1. All requirements of the Workers Compensation Act and OHS Regulation must be followed,
2. Trittech Group Ltd (Prime Contractor) and the Regional District of Nanaimo (the owner) must ensure appropriate measures and systems are in place to coordinate the health and safety of the employer's workers and any other employer's (sub contractors) at this worksite.
3. This employer (and any sub-contractors) must ensure that their lock out procedures are fully integrated with the RDN's lockout procedures at this worksite (the GNPCC) as applicable for this job.
4. All procedures as provided in the documentation must be followed and where inconsistencies occur, the higher control measure must be followed.
5. Air monitoring equipment must be bump tested before entering the space each day and calibrated in accordance with the manufacturer's instructions. **The employer must ensure the alarm settings are in accordance with those stated in this application documentation.**
6. **Task based silica Exposure Control Plans (ECPs) to be developed and implemented to ensure effective silica exposure controls (to levels as low as reasonably achievable (ALARA)). ***Copies of the ECPs must be available on site***.**
7. Any engineering certifications required must be available on site and valid at the time of entry.
8. This employer's Emergency Rescue procedures must be in accordance with the GNPCC's existing Emergency Rescue procedures to ensure an effective emergency rescue response, (NFD notification included - as noted in update CSE procedures).
9. **To ensure the effectiveness of the emergency rescue process, the employer must conduct an emergency rescue drill prior to the confined space entry work in collaboration with the owner's (the RDN) rescue process. A record of this drill must be maintained and available on site.**
10. The employer must ensure the work procedures, roles & responsibilities, emergency plan and rescue procedures are reviewed with the workers prior to the start of work.

Posting

A copy of these terms, along with any documents to which they refer, must be maintained at the worksite and be available for inspection by WorkSafeBC officers. The same documents must be posted on a suitable bulletin board in legible condition for the period of the acceptance. If affected workers will not receive notice by posting on a bulletin board, then the acceptance must be otherwise made known to all affected workers.

Joint committee

A copy of these terms, along with any documents to which they refer, must be given to the Joint Occupational Health and Safety Committee or to the Worker Health and Safety Representative, as applicable.

Time-limited

The acceptance is granted for the duration of this project (as of June 03, 2025 through to August 31, 2025).

Verification

The worksite may be inspected by WorkSafeBC officers to confirm these terms are being met.

6951 Westminster Highway, Richmond, BC
Mailing Address: PO Box 5350 Stn Terminal, Vancouver BC, V6B 5L5
Telephone 604 276-3100 Toll Free 1-888-621-7233 Fax 604 276-3247

Failure to comply

If the terms and conditions of this acceptance are not complied with, the acceptance may be deemed to be void. Any non-compliance with the terms and conditions of this acceptance, or other infractions relating to the subject matter of the acceptance, may result in imposition of orders and administrative penalties.

Validity

The granting of this acceptance is based on the completeness and accuracy of the information provided to WorkSafeBC. Any failure to have provided complete and accurate information may result in revocation of the acceptance and imposition of orders and administrative penalties.

Reconsideration

WorkSafeBC may reconsider the granting of the acceptance, or its terms, if it is later found to have been granted in error, new information is received since it was granted or the applicable Occupational Health and Safety Regulation provisions are substantively amended.

If there are any questions regarding this inspection report please contact me for clarification or assistance.

Corinne Lapointe Occupational Hygiene Officer
WorkSafeBC Prevention Field Services - Nanaimo Office
corinne.lapointe@worksafebc.com
Phone: (250) 751 8049

REFERENCES

In addition to any orders, or other items, and the information provided in the Inspection Notes section in this Inspection Report, the officer may discuss other health and safety issues with the employer arising out of the inspection. The information below sets out the health and safety requirements discussed with the employer, and unless otherwise noted, violations of these requirements were not observed.

Reference	Details Discussed
OHS9.22(1) Section 9.18 does not apply if (a) a measure specified in section 9.18 to control or isolate harmful substances contained in adjacent piping from a confined space is not practicable, and (b) the employer implements alternative measures of control or isolation that are acceptable to the Board.	Referenced as applicable in this application for acceptance of alternate measures.
WCA21(1) Every employer must ensure the health and safety of: (i) all workers working for that employer, and (ii) any other workers present at a workplace at which that employer's work is being carried out, and (b) comply with the OHS provisions, the regulations and any applicable orders.	Provided for reference as applicable at this worksite.

Employer #	Mailing Address	Classification Unit #	Operating Location
693953	5413 271 ST LANGLEY BC V4W 3Y7	721028	001

Lab Samples Taken	Direct Readings	Results Presented	Sampling Inspection(s)	Workers onsite during Inspection	Notice of Project Number
N	N	N		1	

Inspection Report Delivered To	Employer Representative Present During Inspection	Worker Representative Present During Inspection	Labour Organization & Local
Maria Castillo	Maria Castillo	Nicole Reelick	

WorkSafeBC Officer Conducting Inspection
Corinne Lapointe

*Inspection Time	*Travel Time
4.00 hrs	0.00 hrs

*The time recorded above reflects the inspection time and travel time associated with this inspection report and includes time spent on pre and post-inspection activities. Additional time may be added for subsequent activity.

Request a Review

Any employer, worker, owner, supplier, union, or a member of a deceased worker's family directly affected may, within 45 calendar days of the delivery date of this report, in writing, request the Review Division of WorkSafeBC to conduct a review of an order, or the non-issuance of an order, by contacting the Review Division. Employers requiring assistance may contact the Employers' Advisers Office at 1-800-925-2233.

To submit a request online, visit <https://www.worksafebc.com/en/review-appeal/submit-request>

WorkSafeBC values your feedback. To obtain that feedback, an external market research provider may be contacting you to complete a survey.

WorkSafeBC's online services provide employers with tools to view information and to complete a variety of transactions with us in an easy, fast, and secure way. Through an online services account, you can view and download your inspection reports and compliance agreements, submit Employer Incident Investigation Reports, view your Health & Safety Planning Tool Kit, and more. Visit [worksafebc.com](https://www.worksafebc.com) to log in or create an account.